

10.0 Mandatory Disclosures

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1. Name of the Institution

- Faculty of Technology
Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar, West Bengal -736165
Telephone - (03582) 270948, Mobile- 9434096781, Email- deantech@ubkv.ac.in

2. Name and address of the Trust/ Society/ Company and the Trustees

- Prof. Prodyut Kumar Paul
Registrar, Uttar Banga Krishi Viswavidyalaya
Pundibari, Coochbehar, West Bengal -736165
Telephone - (03582) 270588, Mobile-9434096763, Email- registrar@ubkv.ac.in

3. Name and Address of the Vice Chancellor/ Principal/ Director

- Prof. Debabrata Basu
Vice Chancellor, Uttar Banga Krishi Viswavidyalaya
Pundibari, Coochbehar, West Bengal -736165
Telephone - (03582) 270249, Mobile- 9830031075, Email- vc@ubkv.ac.in

4. Name of the affiliating University

Not applicable

5. Governance

- Members of the Board (Executive Council) and their brief background:
 1. Prof. Debabrata Basu, Vice-Chancellor & Chairman, Executive Council, UBKV, Pundibari.
 2. The Additional Chief Secretary, Department of Finance, Govt. of West Bengal : Nominee not below the rank of Joint Secretary, Govt. of West Bengal may be Deputed to attend the meeting(email: fs-wb@nic.in)
 3. The Principal Secretary, Department of Agriculture, Govt. of West Bengal: Nominee not below the rank of Joint Secretary, Govt. of West Bengal may be Deputed to attend the meeting, "Nabanna" 325, Sarat Chatterjee Road, Mandirtala, Shivpur, Howrah-711102 (email: ps.agri-wb@nic.in)
 4. The Principal Secretary, Dept. of Horticulture and Food Processing, Govt. of West Bengal: Nominee not below the rank of Joint Secretary, Govt. of West Bengal may be Deputed to attend the meeting(email: pscwb01@gmail.com)
 5. Director of Agriculture, Govt. of West Bengal, Writers' Buildings, Kolkata. (email: wbdir.agri@gmail.com)
 6. Director of Horticulture, Govt. of West Bengal, (email: dir.hortwb@gmail.com)
 7. The Registrar & Member Secretary, UBKV, Pundibari, (email: registrarubkv@gmail.com)
 8. The Dean, Faculty of Agriculture, UBKV, Pundibari (email: deanag.ubkv@gmail.com)
 9. The Dean, Faculty of Horticulture, UBKV, Pundibari (email: deanhort.ubkv@gmail.com)
 10. The Dean, Faculty of Technology, UBKV, Pundibari.(email: deantech.ubkv@gmail.com)
 11. The Dean, Post Graduate Studies, UBKV, Pundibari. .(email: deantpgsubkv@gmail.com)
 12. The Director of Research, UBKV, Pundibari, .(email: drubkv@gmail.com)
 13. The Director of Extension Education, UBKV, Pundibari. .(email: deeuubkv@gmail.com)
 14. Dr. Gouranga Kar, Director ICAR-Central Research Institute for Jute and Allied Fibres,Barrackpore, Kolkata- 700121, WB; Cell: 9438362587, Phone(off): 033-25356124/25356125 ; Email: director.crijaf@icar.gov.in
 15. Prof. (Dr.) M. S. Jahanara, Department of Agriculture Extension, Sam Higginbottom, Institute of Agriculture, Technology and Sciences (a deemed University), Naini, Allahabad. Email: jajahanr648@gmail.com
 16. Professor (Dr.) Ashok Tripathi, Department of Farm Machinery, Vagha School of Agriculture Engineering & Technology, Sam Higginbottom, Institute of Agriculture,

Technology and Sciences (a deemed University), Naini, Allahabad- 211007.Email:
tripathi.ashok2002@yahoo.com

17. Dr. S. K. Bhaduri, Eminent Scientist & Ex Principal Scientist and Head, National Institute of Research on Jute and Allied Fibre (NIRJAFT), 46/1, Green Park, Block-A, Kolkata-700055.Email: sbhaduri2000@yahoo.com
18. Smt. Khaleeda Hossein, Nilkuthi, Coochbehar.
19. Shri Sudip Chatterjee, Vill+P.O.- Panchagram, P.S.- Gangarampur, Dist.- Dakshin Dinajpur, Pin: 733140, M: 767917250
20. Dr. Feroze Hasan Rahaman, Principal Scientist, ICAR-ATARI, Kolkata, VILL+P.O.- Gitaldaha, P.S.- Dinhata, Dist.- Coochbehar, WB-736175 (Email: fhrahmancal@gmail.com), M- 9432955117

- **Frequently of the Board Meeting Body:**

Once in every two months.

- **Members of Academic Advisory (Academic Council) Body:**

1. Vice-Chancellor – Ex officio Chairman, Academic Council, UBKV, Pundibari
2. Registrar – Ex officio Member Secretary, Academic Council, UBKV, Pundibari
3. The Principal Secretary, Department of Agriculture , Govt. of West Bengal or his nominee, Nabanna, Howrah
4. Dean, Post Graduate Studies , UBKV, Pundibari
5. Dean, Faculty of Agriculture , UBKV, Pundibari
6. Dean, Faculty of Horticulture , UBKV, Pundibari
7. Dean, Faculty of Technology , UBKV, Pundibari
8. Director of Research , UBKV, Pundibari
9. Director of Extension Education , UBKV, Pundibari
10. Director of Farms , UBKV, Pundibari
11. Prof. (Dr.) Pranab Hazra,, Department of Vegetable Science, Faculty of Horticulture, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia-741 252
12. Prof. (Dr.) Amlan Kumar Ghosh, Soil Science and Agriculture Chemistry, IAS, B.H.U. Varanasi, Uttar Pradesh
13. Head, Department of Biochemistry, F/Ag. UBKV, Pundibari
14. Head, Department of Seed Science and Technology, F/Ag. UBKV, Pundibari
15. Head, Department of Forestry, F/Hort.,UBKV, Pundibari
16. Head, Department of Floriculture, Medicinal and Aromatic Plants, F/Hort., UBKV, Pundibari
17. Prof. Ayon Roy, Department of Plant Pathology, F/Ag., UBKV, Pundibari
18. Prof. Ashutosh Sarkar, Department of Agril. Economics, F/Ag., UBKV, Pundibari
19. Prof. Biplab Mitra, Department of Agronomy, F/Agriculture, UBKV, Pundibari
20. Prof. Soumen Mitra, Department of Floriculture, Medicinal and Aromatic Plants, F/Horticulture, UBKV, Pundibari
21. Dr. Soumendra Chakraborty, Associate Professor, Department of GPB, F/Agriculture
22. Prof. Partha Sarathi Medda, Department of Plantation Crops and Processing, F/Hort, UBKV, Pundibari
23. Prof. Ranjit Chatterjee, Department of Vegetable and Spice Crops, F/Horticulture,

UBKV, Pundibari

24. Associate Dean, College of Agriculture, UBKV, Majhian- Invitee Member

25. The Nominee, 'Central Students' Union, UBKV, Pundibari

26. Deputy Registrar, UBKV, Pundibari – Invitee Member

- **Frequently of the Academic Advisory Body:**

Once in six months.

- **Faculty Management Committee (Faculty Council) Body:**

1. The Dean, Faculty Of Technology, UBKV, Pundibari, Coochbehar – Chairman
2. The Dean, Faculty Of Agriculture, UBKV, Pundibari, Coochbehar – Membar
3. The Dean, Faculty Of Horticulture, UBKV, Pundibari, Coochbehar – Membar
4. The Dean, Post Graduate Studies, UBKV, Pundibari, Coochbehar – Membar
5. The Director of Research, UBKV, Pundibari, Coochbehar – Membar
6. The Director of Extension Education, UBKV, Pundibari, Coochbehar – Membar
7. The Director of Farms, UBKV, Pundibari, Coochbehar – Membar
8. Dr. Om Prakash Chaturvedi, Asst. Professor, F/Tech, UBKV, Pundibari, Coochbehar – Membar
9. Dr. Himadri Shekhar Konar, Asst. Professor, F/Tech, UBKV, Pundibari, Coochbehar – Membar
10. Dr. Bratati Chowdhury, Asst. Professor, F/Tech, UBKV, Pundibari, Coochbehar – Membar
11. Er. Kingshuk Roy, Asst. Professor, F/Tech, UBKV, Pundibari, Coochbehar – Membar
12. Er. Ritam Sarkar, Asst. Professor, F/Tech, UBKV, Pundibari, Coochbehar – Membar
13. Dr. Subinay Saha Roy, Associate Professor, F/Tech, UBKV, Pundibari, Coochbehar – Membar
14. Prof. Rupak Sarkar, Professor, Soil & Water Conservation. RRS, TZ- Permanent Invitee

- **Frequently of the Faculty Management Committee (Faculty Council):**

At least four times in a year.

- **Organizational chart and processes**

- **Nature and Extent of involvement of Faculty and students in academic affairs/improvements:**

Faculties are very much aware and involved in taking regular classes, Examinations etc. Students are also engaged with regular learning and With the examination system

- **Mechanism/ Norms and Procedure for democratic/ good Governance:**

All the University higher official posts are chosen on seniority basis with good academic and administrative background.

- **Student Feedback on Institutional Governance/ Faculty performance:**

We have the student feedback system regarding faculty performance.

- **Grievance Redressal mechanism for Faculty, staff and students:**

The Grievance Redressal Committee is empowered to receive and dispose the online grievance of students / faculty / stakeholders of the University as and when required. Upon receipt of my grievance the Committee shall fix a date for meeting and communicate its decision within one month of receipt of complaint. The Chairman of the Committee may co-opt any other member as invitee to the Committee, if required.

Body of this Committee –

1. Registrar - Chairman
2. Mr. Prafulla Kumar Pal – Convener
3. Dean, Faculty of Agriculture – Member
4. Dean, Faculty of Horticulture – Member
5. Dean, Faculty of Technology – Member
6. Dean, Post Graduate Studies – Member
7. Dean, Students' Welfare – Member
8. Prof. Debapriya Sarkar – Member

● **Establishment of Anti Ragging Committee**

The anti-ragging committee has been constituted for the year 2022-2023.

Member of anti-ragging committee:

1. The Registrar, UBKV – Head/Chairman
2. Dean students' Welfare, UBKV – Convener
3. Office-In-Charge, Pundibari Thana, Pundibari
4. B.D.O. Coochbehar/Representative of District Magistrate, Coochbehar
5. Nominated member for local media forwarded by district information & cultural Officer, Coochbehar
6. Nominated member from N.G.O. involved in youth activities forwarded by district welfare officer, Coochbehar.
7. Dean, Post Graduate Studies, UBKV
8. Dean, Faculty of Agriculture, UBKV
9. Dean, Faculty of Horticulture, UBKV
10. Dean, Faculty of Technology, UBKV
11. Associate Dean, College of Agriculture, UBKV, Majhian, Dakshin Dinajpur
12. Dr. Partha Sarathi Patra, Assistant Professor, RRS, Terai Zone, UBKV
13. Dr. Bimal Das, Assistant Professor, Dept. of GPB, College of agriculture, Majhian, Dakshin Dinajpur
14. Dr. Arpita Mandal Khan, Assistant Professor, Dept. Of FMAP, F/Hort, UBKV
15. Prof. (Mrs) Debapriya Sarkar, Professor in Fishery, RRS, Terai Zone, UBKV
16. Dr. Sabita Mandal, Asst. Professor, Dept. of Agri. Extension, F/Ag, UBKV
17. Er. Ashis Kumar Das, Associate Professor, F/Technology, UBKV
18. Dr. Om Prakash Chaturvedi, Assistant Professor, F/Tech, UBKV
19. Mrs. Sakila Khanam, Jr. Assistant, R&D Section, Office of the Registrar, UBKV
20. Rayajul Hasan Sarkar, Jr. Cashier, Office of the Dean, F/Ag, UBKV
21. One representative from present student nominated by C.S.U, UBKV
22. One representative from fresher student nominated by C.S.U, UBKV
23. One parent representative nominated by C.S.U, UBKV

- **Establishment of Online Grievance Redressal Mechanism:**

Option is available at University web portal for submission any kind of complaint through online for students and employees. The grievance redressal committee always looks into the matter to take necessary action in this regard.

- **Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University:**

The hon'ble vice-chancellor is placed to appoint **Prof. Ranjit Kumar Biswas, Ex-Professor, Department of Soil and Water Engineering, Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India** as OMBUDSMAN for Faculty of Technology, UBKV for the interim period till 31.05.2025.

- **Establishment of Internal Complaint Committee (ICC):**

The internal complaint committee (ICC) has been reconstitution in this university with the following members a view to protect women from sexual harassment at work place as per the sexual harassment of women at work place (Prevention, Prohibition and redressal) Act, 2013 & sexual harassment of women at work place (Prevention, Prohibition and redressal) Rule, 2013.

Body of this Committee –

1. Prof.(Mrs.) Debapriya Sarkar - Presiding Officer
2. Dr. Nilesh Bhowmick – Member
3. Dr. Sabita Mandal – Member
4. Mr. Sourav Chakraborty – Member
5. Mrs. Banhi Bhattacharya – Member
6. Ms. Mukta Das – External Member

(District Coordinator, CINI, Cooch Behar)

- **Establishment of Committee for SC/ ST:**

A committee has been constituted to look into the Discriminating complaints received from SC/ST.

Students/Teachers and Non-teaching Staff.

Body of this committee –

1. Dr. Nripendra Laskar, Professor - Chairman
2. Mr. Prafulla Kumar Paul, Assistant Librarian - Convener
3. Dr. Sabita Mondal, Assistant Professor - Member
4. Dr. Surajit Khalko, Associate Professor - Member
5. Dr. Prabhat Kr Paul, Professor - Member
6. Mr. Shyamlal Sutradhar, Lab Attendant - Member
7. Mr. Sanjib Dey, Steward - Member

- **Internal Quality Assurance Cell:**

The internal quality assurance cell (IQAC) shall function following the guideline of national assessment and accreditation council (NAAC) of UGC as per version 5 dated 12/01/2018(23/05/2018) (copy enclosed) and / or the guidelines of ICAR as may be laid down from time to time.

The IQAC of the university has been formed as follows:

- | | |
|--|----------------|
| 1. Vice-Chancellor, UBKV | - Chairperson |
| 2. Prof. Arup Sarkar, Professor, F/Ag | - Co-ordinator |
| 3. Dean, F/Agriculture | - Member |
| 4. Dean, F/ Horticulture | - Member |
| 5. Dean, F/ Technology | - Member |
| 6. Dean, Post Graduate Studies | - Member |
| 7. Director of Research | - Member |
| 8. Prof. Suvendu Kr. Roy, Professor, F/Ag | - Member |
| 9. Er. A.K. Das, Asstt. Professor, F/Tech | - Member |
| 10. Prof. Subhendu Bandyopadhyay
Professor, F/Ag | - Member |
| 11. Dr. Partha Sarathi Patra,
Assistant Professor, F/Ag | - Member |
| 12. Prof. P.K. Paul, Professor, F/Hort | - Member |
| 13. Mr. Amal Roy, Secretary
Satmil Satish Club O Pathagar | - Member |

6. Programmes:

- **Name of Programmes approved by AICTE:**
B.tech in Agricultural Engineering
- **Name of Programmes Accredited by AICTE:**
NIL
- **Status of Accreditation of the Courses:**
NOT APPLIED
- **Total number of Courses:** 1
- **No. of Courses for which applied for Accreditation:** 0
- **Status of Accreditation – Preliminary/ Applied for SAR and results awaited/ Applied for SAR and visits completed/ Results of the visits awaited/ Rejected/ Approved for Courses**
- **For each Programme the following details are to be given:**
 - ☐ **Name:** B.Tech in Agricultural Engineering
 - ☐ **Number of seats:** AICTE Approved- 30 And TFW- 02
 - ☐ **Duration:** 4 Years
 - ☐ **Cutoff marks/rank of admission during the last three years:**
Through WBJEE with 45% in PCM
 - ☐ **Fee:** For hosteller's at the time of admission Rs. 22,000.00 And for Day Scholer's 19,900.00 and from Second semester to eight semester (For each semester) Rs. 13,100.00 for hosteller and Rs.12,500.00 Day Scholar.
 - ☐ **Placement Facilities:** Yes
- **Campus placement in last three years with minimum salary, maximum salary and average salary:**
Campus Placement in last three years= 07.
Total Annual Salary= 389232.00
- **Name and duration of programme(s) having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. If there is Foreign Collaboration, give the following details:** Nil
 - Details of the Foreign University
 - Name of the University
 - Address
 - Website
 - Accreditation status of the University in its Home Country ****
 - Ranking of the University in the Home Country ***

- Whether the degree offered is equivalent to an Indian Degree? If yes, the name of the agency which has approved equivalence. If no, implications for students in terms of pursuit of higher studies in India and abroad and job both within and outside the country: NA
- Nature of Collaboration: NA
- Conditions of Collaboration: NA
- Complete details of payment a student has to make to get the full benefit of Collaboration: NA
- For each Programme Collaborated provide the following: NA
 - Programme Focus
 - Number of seats
 - Admission Procedure
 - Fee
 - Placement Facility
 - Placement Records for last three years with minimum salary, maximum salary and average salary
 - Whether the Collaboration Programme is approved by AICTE? If not whether the Domestic/ Foreign University has applied to AICTE for approval.

7. Faculty

- Branch wise list Faculty members:

SL. NO.	Name of the Faculties	Branch
1.	Dr. Rupak Sarkar	Soil and Water conservation Engineering
2.	Dr. Bratati Chowdhury	Soil and Water conservation Engineering
3.	Er. Subinay Saha Roy	Civil Engineering
4.	Er. Ashis Kumar Das	Electrical Engineering
5.	Er. Himadri Sikkhor Koner	Food Processing Engineering
6.	Er. Arindam Mandal	Mechanical Engineering
7.	Dr. Om Prakash Chaturvedi	Farm Machinery and Power Engineering
8.	Er. Kingshuk Roy	Farm Machinery and Power Engineering
9.	Er. Ritam Sarkar	Computer Science Engineering
10.	Mr. Subhrajyoti Roy	English
11.	Mr. Abhishek Paul	Engineering Physics
12.	Dr. Ashutosh Dutta	Engineering Chemistry
13.	Miss Sudipta Dey	Engineering Mathematics
14.	Dr. Mahabub Alam	Pomology & Post Harvest Technology
15.	Dr. Noni Gopal Shit	Agronomy
16.	Dr. Gobinda Mular	Agricultural Economics
17.	Dr. Dilip Kumar Hajra	Agronomy
18.	Prof. Nipendra Laskar	Agricultural Entomology
19.	Dr. Amrit Tamang	Soil Science and Agricultural Chemistry
20.	Dr. Shovik Deb	Soil Science and Agricultural Chemistry
21.	Prof. Sumit Chakravarty	Forestry
22.	Dr. Vineeta	Forestry
23.	Dr. Tarun Paul	Agronomy
24.	Prof. Subhendu Bandyopadhyay	Agronomy
25.	Prof. Jagadish Chandra Jana	Vegetable and Spice Crops

- ☐ Permanent Faculty: 22
- ☐ Adjunct Faculty: 4
- ☐ Permanent Faculty: Student Ratio: 1: 4
- ☐ Number of Faculty employed and left during the last three years
Employed: 03 and Left: 00

8. Profile of Vice Chancellor/ Director/ Principal/ Faculty
For each Faculty give a page covering with Passport size photograph

PROF. DEBABRATA BASU

Vice Chancellor *Uttar Banga Krishi Viswavidyalaya*
Pundibari, Coochbehar -736165, West Bengal, India
Email: vc@ubkv.ac.in / vcubkv@gmail.com



Present Position	Vice Chancellor, UBKV, 2023 -continuing
Last position held	Professor, Department of Agricultural extension, Bidhan Chandra Krishi ViswaVidyalaya 16 years' service as Professor, Agricultural Extension
Working experience	Joined BCKV as Lecturer in 1991(10 th July), 32 years' service
Age	62 years (Date of Birth 07.11.1961)
Selection in substantive professor post of two university	Selected in substantial professor post of Viswa Bharati and Bidhan Chandra Krishi Viswavidyalaya. 16 years' service as Professor, Agricultural Extension. Job Responsibility –Teaching, Research and Extension
Selection in VC panel	Selected by The Search Committee for Vice-Chancellor Panel of BCKV in 2016 and 2020
Administrative experiences	Former Director Extension Education, BCKV (2012 -14), & 2023
	Former Head , Department of Agricultural Extension, Faculty of Agriculture, BCKV (2016-20)
	Coordinator RAWE, BCKV(1996-2008)
	Chairman Placement Cell(2014-2020)
	Nodal Officer Alumni network BCKV(2020)
Editorial experience	Editor of <i>Krishi Bidhan</i> (2012-14), member of BCKV Publication cell Member of editorial Board of national and International Journals,
Fellowship and awards	Dr. K.N.Singh memorial Award (2021)for excellence in Extension Research Life Time Achievement Award by ASTHA Foundation (2022) Fellow of Indian Society of Extension Education, Fellow Krishi Sanskriti, New Delhi,
	Recognition Award from ISEE(2018) (& Krishi Sanskriti (2016)
	Visiting Fellowship East West Center, Hawaii, USA, (2004)
	Maejo University, Thailand, ISHS, (2008)
Member of Executive Council of University	Government nominated member of Executive Council as eminent academician in UBKV (2015-2019).
	Government nominated member of Executive Council as academician in BCKV (2012-2014).
Member of Academic Councils	Member of Academic Council of Viswa Bharati (2009-2011). Member of Faculty Council, BCKV for several periods
Member of Selection Committees	Member of Recruitment Board of Different SAUs and Central Universities and Organizations as Experts
Member, national level Syllabus	Member, national level Syllabus committee of ICAR for Post graduate courses

committee	in Extension Education (2019)
External Evaluator PhD / Master Degree Thesis	OUAT, TNAU, YCMOU, C. S. Azad university, Indira Gandhi Krishi Viswa Vidyalaya, CAU, Assam Agricultural University, Viswa-Bharati, WBUAFS, West Bengal State University, kalyani University, Calcutta University, RKM Vivekananda University, UBKV, BAU, Hazi Danesh University and Bangladesh Agricultural University.
Organizational Experience	Secretary BCKV Alumni Association (1996-98, 2013-14, 2015-2023)
	Life member of ten academic societies
	Member of Executive Bodies of three academic societies
	Member of fifteen professional groups
PhD guidance	Fifteen students awarded and eight continuing
Books and manuals	Twenty + five
Book Chapters	Thirty-three.
Paper	117
Web publication	eleven
Popular article	twelve
Research reports	fifteen
Monographs/ status reports etc	fifteen
Compilation of resource documents of winter/summer schools	Eight
Blogs	Three
Functioned as consultant	DFID (India and Bangladesh), World Bank, Winrock International, Luthern World Services, Compassion, Care international,
Functioned as Resource person/ trainer	ICAR, NIRD, MANAGE, IRRI, East West Centre, Hawaii, IISD Colorado, IIT Kharagpur, SIPRD, IITD, World Vision etc
Skills and expertise	Participatory Development(PLA), participatory Technology Development, Gender Analysis, Indigenous Technical Knowledge, Agro-eco System analysis, Log-Frame Approach, Livelihood Analysis, Community Based Disaster Risk Mitigation, RAAKS, Social network analysis, Content analysis, etc,
Scale and test developed	Ten scales and tests developed for socio economic and bio-physical evaluation
Participatory techniques evolved	Eight participatory techniques evolved for impact assessment, gender analysis, assessment of recommendation domains, identification of crop profile, identification of opinion leaders etc.
Ad-hoc Research projects conducted	Twenty-one projects funded by national and international agencies
Training Organized	National level – eight winter/ summer schools funded by ICAR , others –four

	State level Training- fifty two
Member of the Project Design Team	Consultant for capacity development and participatory planning in 'Strengthening Rural Decentralizations' project Funded by DFID for Govt. of West Bengal, 2002
Expert member	Working group of Agril. Extension and Training, Govt. of West Bengal, State Agriculture Commission, 2007
Expert member	Working group of Agriculture Credit and Crop Insurance, Govt. of West Bengal, State Agriculture Commission, 2007
Expert member	Capacity Building through Training Intervention of Poverty Reduction (DFID-DOPP Project), Govt. of India, 2007
Honorary member, Project monitoring team	Technology Delivery- Evaluation of Model of Sunderbans, Coastal Alluvial Zone, West Bengal Project funded by Jamshedjee Tata Trust at VIB Nimpith, 2008

Faculty Profile and Credential



Title : Er.
Name : Ashis Kumar Das
Father's Name : Sri Adhir Kumar Das
Present designation : Associate Professor
Present address : 3B, Heritage Tower, Bakultala, Debibari, Cooch Behar
Permanent address : Shikhashis, Sukanta Sarani, New Milan Pally, Siliguri- 734005
Tel./Fax No. :
Mobile No. :
Date of birth : 15.04.1979
Caste : UR
Marital status : Married

Academic qualification:

Degree	Year	Institution/ Board	Area of Specialization	Percentage of Marks
PhD	Pursuing			
PG	2006	NIT, Durgapur	Electrical Engineering	7.16 (CGPA)
UG	2004	University of North Bengal	Electrical Engineering	87%
HS (10+2)	1997	WBCHSE	Science	56.5%
Madhyamik (10 th)	1995	WBBSE	General	71.6%
NET qualified	NA			
Any other	NIL			

Teaching experience and associated courses:

UG Course: Electrical Machines and Power Utilization, Applied Electronics and Instrumentation, Photovoltaic Technology and Systems

PG Course: NIL

PhD Course: NIL

Other academic activity: NIL

Previous working Experience:

Academic Supervising Experience:

UG:

Sl. No.	Year	Title of project report
01	2009	Design Estimation and Costing of Electrical Wiring of Language Communication and Multimedia Laboratory.

02	2010	Design Estimation and Costing of Electrical Wiring of Farm Shed of Faculty of Technology, UBKV.
03	2011	Electrical Design Estimation and Costing of Workshop 1 and Workshop 2 of Faculty of Technology, UBKV.
04	2012	Electrical Design Estimation and Costing of “Faculty of Technology Building”
05	2019	Estimation of Milling Quality Parameters of Paddy Grains Using Image Processing.
06	2019	Design and Development of a Low-Cost Insect Trapper Based on Solar Energy
07	2020	Review of Image Processing Application in Food Quality Analysis
08	2020	Review of Different Types of Solar Energy Based insect Trapper
09	2021	A Review of the Effects of Artificial Intelligence and Machine Learning on Modern Agriculture
10	2022	Detection of Plant Disease Using Deep Learning
11	2023	Statistical Analysis of Agri Produce and Their Performance Analysis.

PG: NIL

<i>Sl. No.</i>	<i>Year</i>	<i>Title of thesis</i>

PhD: NIL

<i>Sl. No.</i>	<i>Year</i>	<i>Title of thesis</i>

Project Exposure and Consultancy: NAHEP-IG, RKVY- ESTABLISHMENT OF FARM MECHANIZATION WORKSHOP, TESTING AND TRAINING CENTRE.

Academic Society Association: Life member ISTE, Life Member IE(India), Member IEEE

Training Course coordination: NIL

Administrative experience: Dean (Acting) Faculty of Technology, members of different academic and administrative committee

Extracurricular Activity: NIL

University literature publication: NIL

Rural Agricultural Work Experience involvement: NIL

Resource person: NIL

Reviewer: CURRENT NUTRACEUTICALS-Bentham Science, Intelligent Technologies ICACIT 2023, 5th International Conference on Cybernetics, Cognition and Machine Learning Applications, Medical & Biological Engineering & Computing, ICMLDE 2023.

Short-term course/ Training Programme Participation:

Name of the Course/ School/ programme	Place	Duration	Sponsoring Agency
Short-term course on "Soft computing & Optimization Techniques in Engineering & Engineering Science"	NIT Durgapur	7 days (October 10-16, 2017)	QIP
Short-term course on "Advancement of Modern Technology in Engineering & Engineering Science"	NIT Durgapur	7 days November 13-19, 2018	QIP
Workshop on "MOOCs, e-Content Development and Open Educational Resources"	NBU Siliguri	January 30-February 5, 2019	UGC
Short-term course on "Computational Intelligence and Application"	NIT Durgapur	One Week January 07-11, 2020	TEQIP III
One-week National Faculty Development Programme and online training on LATEX	Sanjay Ghodawat University, Kolhapur	One Week April 27-May 2, 2020	Spoken Tutorial Project, IIT Bombay
One-week online Faculty Development Programme on machine learning, algorithms, applications and advantages	Kamala Institute of Technology and Science, Singapur	One Week May 25-30, 2020	TRY logic soft solutions AP private limited

Scholarships/Fellowships: NIL

Award: NIL

External expert: NIL

Publication:

Full Papers in International Journal: (in numbers): 5 (Five)

Full Papers in National Journal:

Review paper:

Research note/ short communication in National Journal:

Extension Literature/Article:

Conference Proceedings: 4 (Four)

Proceedings paper:

Book Chapters: 1 (one)

Books:

Abstract published:

List of Publications (Citation style)

A. Research Papers in International Journal:

Ashis Kumar Das, Prashant Kumar, Suman Halder, Santanu Metia, "A Statistical Approach for Investigation and Comparison of Fatigue and Drowsiness based on Complexity Parameters of EOGs", International Journal of Image, Graphics and Signal Processing (IJIGSP), Vol.15, No.5, pp. 39-59, 2023. DOI:10.5815/ijigsp.2023.05.04

Kumar, P., Ranjan, V., **Das, A.K.** et al. Statistical Heart Rate Variability of Capacitive Electrocardiogram Signal Using UnoViS Database. SN COMPUT. SCI. 4, 583 (2023). <https://doi.org/10.1007/s42979-023-02021-7>

Prashant Kumar, **Ashis Kumar Das**, Suman Halder, Statistical heart rate variability analysis for healthy person: Influence of gender and body posture, Journal of Electrocardiology, Volume 79, 2023, Pages 81-88, ISSN 0022-0736, <https://doi.org/10.1016/j.jelectrocard.2023.03.011>.

Kumar P., **Das A.K.**, Halder S., Statistical heart rate variability analysis under rest and post-exercise (2022) International Journal of Computational Science and Engineering, 25 (2), pp. 186 - 197, Cited 0 times. DOI: 10.1504/IJCSE.2022.122207

Das A.K., Halder S., Baseline wander correction and impulse noise suppression using cascaded empirical mode decomposition and improved morphological algorithm (2017) International Journal of Applied Engineering Research, 12 (10), pp. 2329 – 2337, 2329-2337 © Research India Publications. <https://dx.doi.org/10.37622/IJAER/12.10.2017.2329-2337>.

B. Research Papers in National Journal:

C. Review paper:

D. Research Notes/Short Communication in National Journal:

E. Conference Proceedings:

Das A.K., Kumar P., Halder S., Experimentation on Detection and Analysis of Drowsiness and Fatigue Based on Permutation Entropy and Hurst Exponent (2022) Proceedings of 2022 6th International Conference on Condition Assessment Techniques in Electrical Systems, CATCON 2022, pp. 239 - 243, Cited 0 times. DOI: 10.1109/CATCON56237.2022.10077702

Kumar P., Ranjan V., **Das A.K.**, Halder S., Statistical Analysis for EMG Extracted Time and Frequency Domain Features during Different Dumbbell Activity (2022) 4th International Conference on Emerging Research in Electronics, Computer Science and Technology, ICERECT 2022, DOI: 10.1109/ICERECT56837.2022.10059837

Kumar P., **Das A.K.**, Ranjan V., Halder S., Fractal Correlation of HRV for Postural Change in Young Males and Females (2022) MysuruCon 2022 - 2022 IEEE 2nd Mysore Sub Section International Conference, DOI: 10.1109/MysuruCon55714.2022.9972604

Kumar P., **Das A.K.**, Halder S., Interpretation of Premature Ventricular Abnormality based on HRV Analysis (2021) 2021 5th International Conference on Electronics, Materials Engineering and Nano-Technology, IEMENTech 2021, DOI: 10.1109/IEMENTech53263.2021.9614725

F. Extension literature/Article:

G. Book Chapters:

Das, A.K., Kumar, P., Halder, S., Banerjee, A., Tibarewala, D.N. (2020). An Experimental Paradigm for Evaluation of Entropy and Pace Based Ocular Parameters for Detection of Fatigue and Drowsiness. In: Dawn, S., Balas, V., Esposito, A., Gope, S. (eds) Intelligent Techniques and Applications in Science and Technology. ICIMSAT 2019. Learning and Analytics in Intelligent Systems, vol 12. Springer, Cham. https://doi.org/10.1007/978-3-030-42363-6_75

H. Books:

Participation in International/ National/State level Conferences: Details

<i>Sl. No.</i>	<i>Name of the Seminar/ Symposium/ Conference/ workshop</i>	<i>Place</i>	<i>Date</i>	<i>Year</i>	<i>Duration (days)</i>
1.	3rd International Conference on Computational Intelligence & IoT (ICCIoT) 2022	NERIST, Arunachal Pradesh	24-25 February	2023	2 days
2.	3rd International Conference on Computational Intelligence & IoT (ICCIoT) 2022	NIT Durgapur	17-19 November	2022	2 days
3.	International Conference on Innovation in Modern Science and Technology	SIT Siliguri	20-21 September	2019	2 days
4.	International Conference on Computational Intelligence and Data Science, ICCIDS 2019	NCU Gurugram	6-7 Septeber	2019	2 days

Declaration

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

Place : Coochbehar



(Signature)

Faculty Profile and Credential

Title : Prof.
Name : RUPAK SARKAR
Father's Name : Chitta Ranjan Sarkar
Present designation : Professor, RRS (TZ)
Present address : Nilkuthi Railghumti, Near S.P. Bungalow
P.O.+Dist.- Cooch Behar, West Bengal - 736101
Permanent address : Nilkuthi Railghumti, Near S.P. Bungalow
P.O.+Dist.- Cooch Behar, West Bengal - 736101
Mobile No. : 9475833777
Date of birth : 19-11-1979
Caste : UR
Marital status : Married



Academic qualification:

Degree	Year	Institution/ Board	Area of Specialization	Percentage of Marks
PhD	2011	Indian Institute of Technology Guwahati	Water Resources Engineering	CPI 10/10 in coursework
PG	2005	G.B. Pant University of Agriculture & Technology	Irrigation and Drainage Engineering	OGPA 8.151/10
UG	2002	Bidhan Chandra Krishi Viswavidyalaya	Agricultural Engineering	OGPA 8.13/10
HS (10+2)	1998	WBCHSE	Science	82.60%
Madhyamik (10 th)	1996	WBBSE	-	82.11%

Teaching experience and associated courses:

UG Courses:

Soil and Water Conservation Engineering
 Watershed Hydrology
 Irrigation Engineering
 Sprinkler and Microirrigation Systems
 Groundwater Wells and Pumps
 Watershed Planning and Management
 Drainage Engineering
 Soil and Water Conservation Structures
 Remote Sensing and GIS Applications
 Irrigation and Drainage Equipment Design
 Fundamentals of Soil and Water Conservation Engineering

PG Courses:

Water Management in Fruit Crops

Previous working Experience:

Junior Research Fellow in the Research and Development Project “Analysis of Water Balance in Rice Agriculture System using a Distributed Hydrological Model”, sponsored by the Space Applications Centre (SAC), Indian Space Research Organization (ISRO), Ahmedabad, India

Academic Supervising Experience:**UG:**

<i>Sl. No.</i>	<i>Year</i>	<i>Title of project report</i>
1.	2009	“Delineation of Teesta and Torsa River Basins from Remotely Sensed Satellite Data”
2.	2009	“Design of Drop Spillway for a Drainage Channel”
3.	2010	“Relating basic physical properties of soils to their infiltration characteristics”
4.	2010	“Simulating surface and subsurface runoff generation in soils with different macropore structures under varying land use and land covers using MACRO model”
5.	2011	“Scopes and constraints of adopting micro-irrigation systems for horticultural crops in North Bengal”
6.	2012	“Field Testing of twin-nozzle agricultural sprinklers”
7.	2013	“Modelling reference evapotranspiration using artificial neural network technique for an eastern Sub-Himalayan (Terai) station with different levels of input data”
8.	2014	“Design and testing of a low cost portable rainfall simulator”
9.	2015	“Testing of drip emitters at low operating pressure head”
10.	2016	“Utilisation of residual soil moisture through relay cropping”
11.	2019	“Assessment of furrow irrigation system in a potato crop field”

Project Exposure and Consultancy:

“Improving water use for dry season agriculture by marginal and tenant farmers in the Eastern Gangetic Plains”

- A multi-country (Nepal & India) and multi-institutional project funded by the Australian Centre for International Agriculture Research (ACIAR) and the International Water Management Institute (IWMI) was the implementing institution.

Role: **Principal Investigator (PI)**

Duration: **2014-2019**

Status: **Completed**

Academic Society Association:

1. Member of the International Association of Hydrological Sciences (ID:12092)
2. Life Member of the Indian Association of Hydrologists (ID:LM-1712)
3. Member (S.M.ASCE) of the American Society of Civil Engineers (ID:478951)

Training Course coordination:

- Conducted farmers’ training programmes in the capacity of Project PI as part of the ACIAR-LWR project

Administrative experience:

- Served as Dean, Faculty of Technology from the year 2015 to 2023
- Served as an elected teacher member of Executive Council of UBKV as Associate Professor
- Served as member of different Administrative and Academic bodies/committees of the University

Extracurricular Activity:

- Represented Indian Institute of Technology Guwahati football team in the 42nd Inter IIT Sports Meet 2006, Guwahati
- Represented Indian Institute of Technology Guwahati football team in the IIT Guwahati Annual Sports Festival 'SPIRIT' in 2006, Guwahati

Rural Agricultural Work Experience involvement:

- Evaluated students undergoing RAWE program under Faculty of Agriculture

Resource person:***Delivered Lecture in the following Training Programmes***

1. Delivered lecture in AICTE sponsored QIP short-term course "Hydroinformatics for Surface and Subsurface Water Resources" on *Introduction to Geographical Information System (GIS)* at IIT Guwahati on 10th June, 2008.
2. Delivered lecture on *Biodiesel in India: Constraints and Prospects* in the NOVOD Board (Ministry of Agriculture, Govt. of India) sponsored Trainer and Farmers' Training Programme on "Tree Borne Oilseed Species: Ecological and Economic Benefits" at the Regional Research Station (Hill Zone), Kalimpong, Darjeeling, West Bengal during 27-28th March, 2009.
3. Delivered lecture on *Pressurized Irrigation Systems: Scopes and Benefits* in the Indian Council of Agricultural Research (ICAR), Govt. of India sponsored XI Plan Scheme (2007-2012) "Scaling-up of Water Productivity in Agriculture for Livelihoods through Teaching-cum-demonstration, Training of Trainers and Farmers" held at UBKV, West Bengal, during 24-30th March, 2009
4. Served as external question paper setter of different courses for CAEPHT, Central Agricultural University, Sikkim

Reviewer:

- Journal of Hydrologic Engineering (American Society of Civil Engineers)
- Irrigation and Drainage (Wiley)
- Advances in Water Resources (Elsevier)
- Geocarto International (Taylor & Francis)

Training Programme Participation:

1. Participated in the two weeks NNRMS (ISRO) sponsored training programme on “*Remote Sensing and GIS*” at Indian Institute of Technology Kharagpur during 5-16th May, 2008.
2. UGC sponsored Orientation Programme at University of North Bengal, Darjeeling for 28 days

Scholarships/Fellowships:

- Received Institutional Fellowship during regular Ph.D. studentship from IIT Guwahati
- Was a regular recipient of ICAR – Junior Research Fellowship during M.Tech
- Received University merit scholarship during B.Tech

External expert:

- Evaluated Ph.D thesis for students of Faculty of Agricultural Engineering, BCKV
 - o One completed (2023), One ongoing (2023)

Publications:

Full Papers in International Journal:

1. **Rupak Sarkar**, Subashisa Dutta, Amit K. Dubey (2015). An insight into the runoff generation processes in wet sub-tropics: Field evidences from a vegetated hillslope plot. *Catena (Elsevier)*, 128, 31-43.
2. **Rupak Sarkar** and Subashisa Dutta (2015). Parametric study of a physically-based plot-scale hillslope hydrological model through virtual experiments. *Hydrological Sciences Journal (Taylor and Francis)*, 60(3), 448-467.
3. **Rupak Sarkar** and Subashisa Dutta (2012). Field investigation and modeling of rapid subsurface stormflow through preferential pathways in a vegetated hillslope of northeast India. *Journal of Hydrologic Engineering*, 17(2): 333-341.
4. Sudipta Kumar Mishra, **Rupak Sarkar**, Subashisa Dutta and Sushma Panigrahy (2008). A physically based hydrological model for paddy agriculture dominated hilly watersheds in tropical region. *Journal of Hydrology*, 357(3-4): 389-404.
5. **Rupak Sarkar**, Subashisa Dutta and Sushma Panigrahy (2008). Characterizing overland flow on a preferential infiltration dominated hillslope: Case study. *Journal of Hydrologic Engineering*, 13(7): 563-569.

Full Papers in National Journal:

1. Soumen Maitra, Biplab Mitra, **Rupak Sarkar**, Ranjit Chatterjee, Surajit Khalko and Om Prakash Chaturvedi (2020). Small Scale Protected Cultivation for Off-season Vegetables: A Promising Option for Terai Farmers towards Income Generation, *International Journal of Current Microbiology and Applied Sciences*, 9(4), 972-980.
2. Kartick Dey, Lawrence Murmu and **Rupak Sarkar** (2020). Testing of Twin-Nozzle Agricultural Sprinklers for Field Use, *International Journal of Current Microbiology and Applied Sciences*, 9(4), 2590-2601.
3. K. Ravi Kumar, **Rupak Sarkar**, C.P. Suresh, M.R. Bhanusree, S.K. Ghosh, M. Sattiraju and S.

Chakravarty (2017). Growth, Yield and Water Use Efficiency as Influenced by Irrigation Scheduling in Banana (Musa spp., AAA group) var. Grand Naine During Water Deficit Period in Terai Zone of West Bengal, *International Journal of Tropical Agriculture*, 35(2), 245-258.

4. Rishabh Dev Sharma, **Rupak Sarkar**, and Subashisa Dutta (2013). "Run-off generation from fields with different land use and land covers under extreme storm events." *Current Science*, 104(8): 1046-1053.
5. Sangeeta Shougrakpam, **Rupak Sarkar**, and Subashisa Dutta (2010). An experimental investigation to characterise soil macroporosity under different land use and land covers of northeast India. *Journal of Earth System Science*, 119(5): 655-674.
6. **Rupak Sarkar**, Subashisa Dutta and Sushma Panigrahy (2008). Effect of scale on infiltration in a macropore dominated hillslope. *Current Science*, 94(4): 490-494.
7. **Rupak Sarkar**, Shiv Kumar, Yogendra Kumar and H.C. Sharma (2007). Groundwater modelling for prediction of water table depth in Ramganga-Baghul interbasin of Uttar Pradesh. *Hydrology Journal*, 30(1-2): 123-133.

Proceedings paper:

1. Pori Das, Aminul Islam, Subashisa Dutta, Amit K. Dubey, and **Rupak Sarkar** (2014). Estimation of runoff curve numbers using a physically-based approach of preferential flow modelling. IAHS Publication 363, *Hydrology in a Changing World: Environmental and Human Dimensions*, Proceedings of FRIEND-Water 2014, Montpellier, France.
2. **Rupak Sarkar** and Subashisa Dutta (2009). An experimental and modelling investigation of macropore dominated subsurface stormflow in vegetated hillslopes of northeast India. In Yilmaz, K.K, Yucel, I., Gupta, H.V., Wagener, T., Yang, D., Savenije, H., Neale, C., Kunstmann, H., and Pomeroy, J. (Eds.) *New approaches to hydrological prediction in data-sparse regions*, IAHS Publication 333, 145-152.

Books:

- **Rupak Sarkar** (2012). *Groundwater modelling: A comparison between multiple regression and artificial neural network approaches*, LAP Lambert Academic Publishing, Germany, ISBN: 978-3-659-25948-7, pp. 1-137.

Participation in International/ National/State level Conferences:


Details

Sl. No.	Name of the Seminar/ Symposium/ Conference/ workshop	Place	Date	Year	Duration (days)
1.	Holistic Scientific Approach using Integrated Geophysical Studies for the Management of Natural Hazards	North Eastern Space Applications Centre (NESAC), Umiam, Meghalaya	22-23 April	2013	2 days

Declaration

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

Place : Cooch Behar



(Signature)

Faculty Profile

Title : Dr.
Name : **SUBINAY SAHA ROY**
Father's Name : Subhash Chandra Saha Roy
Present Designation : Assistant Professor
Present Address : 2 No. Kalighat Road By-Lane
Near Shakti Sangha,
P.O. Guriahati - 736170
Dist. Coochbehar
Mobile No. : 9474717456; 7001288480
E-mail : subinay@ubkv.ac.in; ssr_ubkv@rediffmail.com
Permanent Address : C/O. Subhash Chandra Saha Roy
Subhash Colony, P.O. Falakata,
Dist. Alipurduar -735211
West Bengal
Date of Birth : 20.05.1976
Caste : General
Marital Status : Married
Academic Qualification :



<i>Degree</i>	<i>Year</i>	<i>Institution/ Board</i>	<i>Area of Specialization</i>	<i>Percentage of Marks</i>
Ph. D in Civil Engineering	2018	IIT Kharagpur	Geotechnical Engineering	Not applicable
M. E. in Civil Engineering	2000	B.E. College, Howrah (presently IEST)	Soil Mechanics and Foundation Engineering	79.22
B.E. in Civil Engineering	1998	Jalpaiguri Government Engineering College	Civil Engineering	73.04
Higher Secondary	1994	Jenkins School/WBCHE	Pure Science	76.20
Madhyamik	1992	Falakata High School/WBBSE	----	80.88
Qualified NET		Not applicable for Civil Engineering discipline		
Qualified GATE	1998	MHRD, GOI	Civil Engineering	78.70 (percentile)

Teaching experience and associated courses: 16 years

UG Course: Unrevised

<i>Course No.</i>	<i>Course Title</i>	<i>Level</i>
➤ SWC 244	Soil Mechanics	UG
➤ SWC 243	Fluid Mechanics	UG
➤ SWC 356	Design of Structures	UG
➤ PHE 356	Agricultural Structures and Environmental Controls	UG
➤ AGR 252	Fundamentals of Soil, Water and Conservation Engineering	UG

Revised (on the basis of the 4th Dean's committee recommendation)

	<i>Course No.</i>	<i>Course Title</i>	<i>Level</i>
➤	CE 101	Surveying and Levelling	UG
➤	CE 102	Engineering Drawing	UG
➤	CE 151	Engineering Mechanics	UG
➤	CE 201	Soil Mechanics	UG
➤	CE 251	Fluid Mechanics	UG
➤	CE 301	Strength of Materials	UG
➤	CE 351	Design of Structures	UG
➤	CE 401	Environmental Engineering	UG
➤	PFE 351	Agricultural Structures and Environmental Controls	UG
➤	AEN 251	Fundamentals of Soil, Water and Conservation Engineering	UG

Revised (on the basis of the 5th Dean's committee recommendation)

	<i>Course No.</i>	<i>Course Title</i>	<i>Level</i>
➤	CE 101	Surveying and Levelling	UG
➤	CE 102	Engineering Mechanics	UG
➤	CE 151	Fluid Mechanics	UG
➤	CE 201	Soil Mechanics	UG
➤	CE 202	Strength of Materials	UG
➤	CE 251	Building Constructions and Cost Estimation	UG
➤	CE 351	Design of Structures	UG

PG Course : M.Sc (Ag) in Agril. Extension: Nil**PhD Course : Nil****Other academic activity: -----****Previous working Experience:**

2020 – Present : Associate Professor, Uttar Banga Krishi Viswavidyalaya, Coochbehar

2017 – 2020 : Assistant Professor (Stage –III), Uttar Banga Krishi Viswavidyalaya, Coochbehar

2012 – 2017 : Assistant Professor (Stage –II), Uttar Banga Krishi Viswavidyalaya, Coochbehar

2007 – 2012 : Assistant Professor (Stage –I), Uttar Banga Krishi Viswavidyalaya, Coochbehar

2003 – 2007 : Assistant Construction Manager, Larsen and Toubro Limited, Delhi.

2002 – 2003 : Site Engineer, C & C Constructions Pvt. Limited, Delhi.

2000 – 2002 : Project Engineer, Shristi Infrastructure Development Corporation Limited, Kolkata.

Academic Supervising Experience:**UG:**

Sl. No.	Year	Title of project report
1.	2009	Design of Steel Roof Truss for Farm Shed
2.	2010	Border Irrigation Strip Design
3.	2011	Study of Land Levelling in Irrigation Field
4.	2012	Design Analysis of RCC Silo for Food Grain Storage as per BIS Standards
5.	2013	Design of Two Storied Farmers Training Hostel using STAAD Pro.
6.	2016	Engineering Properties of Torsa River Sand
7.	2017	Engineering Properties and Interface Behaviour of Torsa Sand
8.	2017	Effect of Relative density of Permeability of Sand
9.	2018	Effect of Particle Size of Sand on Friction Angle
10.	2019	Effect of Particle Shape of Coarse Aggregate on Compressive Strength of Cement Concrete
11.	2020	Parshall Flume: A Comprehensive Study
12.	2021	A Study on Watershed Planning and Management
13.	2022	A Study on Hydrograph : It's Components and their Applications

Project Exposure and Consultancy: ----**Academic Society Association:**

1. MIE (Member of Institution of Engineers, India)
2. MIGS (Member of Indian Geotechnical Society)

Training Course coordination : ---**Administrative experience : ---****Extracurricular Activity : ---****University literature publication : ---****Rural Agricultural Work Experience involvement : ---****Resource person : ---****Reviewer:**

- Geosynthetics International, Thomas Telford, ICE, London.
- International Journal of Geomechanics, ASCE.
- Marine Georesources & Geotechnology, An International Journal, Taylor & Francis.
- Journal of Civil Engineering and Management, An International Journal, Taylor & Francis.
- Indian Geotechnical Journal, Springer (India).
- Geotechnical and Geological Engineering, An International Journal, Springer Netherlands.
- International Journal of Geotechnical Engineering, Taylor & Francis.
- Advances in Civil Engineering, An International Journal, Hindawi Publishing Corporation, London.

Training Programme Participation:

<i>Name of the Course/ School/ programme</i>	<i>Place/Conducted by</i>	<i>Duration</i>	<i>Sponsoring Agency</i>
Training programme on remote sensing and GIS	IIT Kharagpur	12 days May 05 - 16,2008	ISRO

Orientation Programme	University of North Bengal	28 days 2 nd to 29 th March, 2012	UGC
Earthquake Risk Management	Jalpaiguri Govt. Engg. College	08 days 11 th to 18 th June, 2012	Dept. of Disaster Management, GOI
Numerical and Experimental Modeling in Geotechnical Engineering	IIT Kanpur	06 days 4 th to 9 th Feb, 2013	AICTE
Recent Advancement in Earthquake Geotechnical Engineering	IIT Kanpur	05 days February 18 – 22, 2019	AICTE
Short Course on Landslides	Online mode Indian Geotechnical Society, Sub-Committee-7	06 days on every Saturday and Sunday between 09-09-2022 and 24-09-2022	Self Sponsored.
One Week Short Term Training Programme on “Advances in Rock Engineering”	Online mode Indian Geotechnical Society, Aurangabad Chapter	05 days 21 st – 25 th August 2023	Self Sponsored

Scholarships/Fellowships:

1998-2000: Scholarship for higher study (M.E.) from MHRD, Govt. of India,

1992-1998: National Scholarship, Govt. of India

List of Publications (Citation style)

A. Research Papers in International Journal: 07 (Seven)

- i) **Subinay Saha Roy** and Kousik Deb (2022) Effect of Aspect Ratio of Footings on Settlement Response of Geosynthetic-Reinforced Granular Fill-Soft Soil System, *European Journal of Environmental and Civil Engineering*, Taylor & Francis, Vol. 26, No. 1, Page: 216-238. (SCIE listed).
- ii) **Subinay Saha Roy** and Kousik Deb (2021) Modulus of Subgrade Reaction of Unreinforced and Geogrid-Reinforced Granular Fill over Soft Clay, *International Journal of Geomechanics*, ASCE, Vol. 21, No. 9, Paper No: 04021156, Page: 1-13. (SCIE listed).
- iii) **Subinay Saha Roy** and Kousik Deb (2020) Effect of Aspect Ratio of Footing on Behavior of Two Closely Spaced Footings on Geogrid-Reinforced Sand, *Geotextiles and Geomembranes*, Elsevier, Vol. 48, No. 4, Page: 443-453. (SCIE listed).
- iv) **Subinay Saha Roy** and Kousik Deb (2019). “Interference Effect of Closely Spaced Footings Resting on Granular Fill over Soft Clay.” *International Journal of Geomechanics*, ASCE, 19(1), Paper No. 04018181, 1–21. (SCIE listed)
- v) **Subinay Saha Roy** and Kousik Deb (2018). “Closely Spaced Footings on Sand Underlain by Soft Clay with Geogrid at the Interface.” *Geosynthetics International*, 25(4), 412 – 426. (SCIE listed).
- vi) **Subinay Saha Roy** and Kousik Deb (2017). “Bearing Capacity of Rectangular Footings on Multilayer Geosynthetic-Reinforced Granular Fill over Soft Soil.” *International Journal of Geomechanics*, ASCE, 17(9), Paper No. 04017069, 1–17. (SCIE listed)
- vii) **Subinay Saha Roy** and Kousik Deb (2017). “Effects of Aspect Ratio of Footings on Bearing Capacity for Geogrid-Reinforced Sand over Soft Soil.” *Geosynthetics International*, 24(4), 362 – 382. (SCIE listed).

B. Research Papers in National Journal: Nil

C. Review paper: Nil

D. Research Notes/Short Communication in National Journal: Nil

E. Conference Proceedings: 03

- i) **Subinay Saha Roy** and Kousik Deb, (2019) Influence of Footing Interference on Bearing Capacity Improvement for Geogrid-Reinforced Sand bed underlain by Soft Clay, *Geo-Congress 2019*, ASCE Geo-Institute Conference, Philadelphia, Pennsylvania, USA, 24-27 March, 2019, ASCE.
- ii) **Subinay Saha Roy** and Kousik Deb (2017) Effects of Footing Width to Length Ratio on Critical Thickness of Granular Fill over Soft Soil, Indian Geotechnical Conference (IGC-2017), 14-16th December 2017, IIT Guwahati, India, CD Rom.
- iii) **Subinay Saha Roy** and Kousik Deb (2015) Effects of Aspect Ratio of Rectangular Foundations on Subgrade Modulus of Soft Soil, *Advances in Soft Ground Engineering: International Conference on Soft Ground Engineering (ICSGE2015)*, Singapore, 3rd-4th December, 2015, Research Publishing, ISBN: 978-981-09-7520-3, pp: 571-579.

F. Extension literature/Article: Nil

G. Book Chapters: Nil

H. Books: Nil

I. Discussions and Closure:

- i) Closure to “Interference Effect of Closely Spaced Footings Resting on Granular Fill Over Soft Clay” by **Subinay Saha Roy** and Kousik Deb (2020), International Journal of Geomechanics, 20(8), Paper No. 07020005

Participation in International/ National/State level Conferences Details:

<i>Sl. No.</i>	<i>Name of the Seminar/ Symposium/ Conference/ workshop</i>	<i>Place</i>	<i>Date (s)</i>	<i>Year</i>	<i>Duration (Days)</i>
1	Indian Geotechnical Conference (IGC-2017)	Guwahati, India	14 th - 16 th December,	2017	Three
2	International Conference on Soft Ground Engineering (ICSGE2015)	Singapore	3 rd - 4 th December,	2015	Two

Declaration

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

Date: 07.11.2023

Place : Pundibari, Cooch Behar



(Signature)

Faculty Profile

Title : Dr

Name : Himadri Shekhar Konar

Father's Name: Pranab Kumar Konar

Present Designation: Assistant Professor

Present Address : Faculty of Technology, UBKV, Pundibari, Cooch Behar, WB – 736 165

Tel/ Fax No.: +91-9434535498

E-mail: hskonar@gmail.com

Permanent Address: Kanksa Singh Para, Panagarh Bazar, Burdwan, WB - 713148

Date of Birth : 02/02/1986

Caste : General

Marital Status : Married

Academic Qualification:

Degree	Year	Institution/ Board	Area of Specialization	Percentage/ CGPA of Marks
Ph. D in Agriculture	2018	IIT Kharagpur	Drying of Tea	----
M.Tech	2009	IIT Kharagpur	Dairy and Food Engineering	8.61
B.Sc. (Ag) Hons	2007	Bidhan Chandra Krishi Viswavidyalaya	Agricultural Engineering	7.97
Higher Secondary	2003	WBCHSE	Science	84.1%
Madhyamik	2001	WBBSE	Phy. Sc, Life Sc., Math	91.5%
Qualified NET	2010	ASRB		
Any other	NA	NA	NA	NA

Teaching experience and associated courses

9 years at UBKV.

UG Course:

Revised (on the basis of the 5th Dean's committee)

Engineering Properties of Agricultural Produce

Post-Harvest Engineering of Cereals, Pulses and Oil Seeds

Dairy and Food Engineering

Food Packaging Technology

Development of Processed Products & Equipments,

PG Course :

Packaging of Fresh and Processed Horticultural Produce

Drying and Dehydration Technology

PhD : NA

Other academic activity:

Previous working Experience:

2.5 years of teaching experience as assistant professor in College of Agriculture, Tripura.

Academic Supervising Experience:

Supervised twelve B.Tech Project thesis.

UG:

<i>Sl. No.</i>	<i>Year</i>	<i>Title of project report</i>
1	2016	Optimization of parameters for processing of candy manufacturing
2	2017	Study of microwave drying of bell pepper
3	2017	Study of drying of parboiled paddy
4	2018	Performance evaluation of plate heat exchanger using water as working fluid
5	2019	Optimization of process parameter for the production of cookies
6	2019	Estimation of milling quality parameters of paddy grains using image processing
7	2020	Comprehensive study on drying of fruits and vegetables
8	2020	Review of image processing application in food quality analysis
9	2021	Comprehensive study on processing of milk and dairy products
10	2021	Comprehensive study on different types of dryers and drying models
11	2022	Study on paneer production and plan for quality optimization
12	2023	Effect of time and temperature on quality of jackfruit seed flour
13	2023	Standardization of processing parameters for paneer production

Project Exposure and Consultancy:

Academic Society Association: COBACAS (life member), ISAE (Life member)

Training Course coordination:

Administrative experience:

Joint convener of University admission committee, member of Quality Control Laboratory (QCL), Convener of departmental standing committee.

Extra curricular Activity: NA

University literature publication:

Rural Agricultural Work Experience involvement: Manager in ELP on Engineering Technologies

Resource person:

Reviewer:

Training Programme Participation:

ICAR Sponsored Summer school on “Analytical, instrumental and imaging techniques relevant to food safety management” to be held during July 06-26, 2017 at ICAR-CIAE Bhopal

MOOC on Teaching Management, during 1 - 30 November, 2017 by NAARM

MOOC on Digital Teaching Techniques, during December 1 - 31, 2021 by NAARM

Scholarships/Fellowships:

- .Senior Research Fellow, funded by Tea Board of India
- .Awarded Scholarship of Ministry of Human Resource Development(MHRD), Government of India, during M.Tech
- .Awarded University Merit Scholarship during Under-graduate studies
- .Award:

External expert:

External Examiner at BCKV, Mohanpur, West Bengal.

External Examiner at Central Agricultural University(CAU), Imphal.

External Examiner at Bihar Agricultural University (Sabour, Bihar)

Publication:

Full Papers in International Journal: 1

Full Papers in National Journal : 1

Review paper:

Research note/ short communication in National Journal:

Extension Literature/Article:

Proceedings paper:

Book Chapters : Nil

Books:

Abstract published:

List of Publications (Citation style)**.Research Papers in International Journal:**

Effects of novel vacuum drying on orthodox and CTC tea processing, Anand Kishore, **H. S. Konar** and A. K. Datta *International Journal of Tea Science*, **10 (3 &4):78 - 88 (2014)**

.Research Papers in National Journal:

Optimization of process parameters for vacuum drying of CTC tea, **H. S. Konar**, Srilekha Das, A. K. Datta and B. C. Ghosh, *Two and a bud* 59(2): 84-88 (2012)

.Review paper:**D. Research Notes/Short Communication in National Journal:****E. Conference Proceedings:****F. Extension literature/Article:****G. Book Chapters:****H. Books:****Participation in International/ National/State level Conferences:****Details**

<i>Serial</i>	<i>Name of the Seminar/ Symposium/</i>	<i>Place</i>	<i>Date (s)</i>	<i>Year</i>	<i>Duration</i>
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<i>No.</i>	<i>Conference/ workshop</i>				<i>(Days)</i>
1	National Seminar on Horticulture for Sustainable Development, Nutritional & Livelihood Security	Uttar Banga Krishi Viswavidyalaya	26 – 27 May	2022	2 days

Declaration:

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.



Place : Coochbehar

Date: 10.11.2023

(Signature)

Faculty Profile and Credential

Title : Dr.
Name : Om Prakash Chaturvedi
Father's Name : Prabhakar Chaturvedi
Present designation : Assistant Professor
Present address : B-1, Mohit Apartment, Golbagan, Coochbehar, WB
Permanent address : Gurha Talab, Near Hardaul Mandir, Garha, Jabalpur, MP
Tel./Fax No. : 8637631393
Mobile No. : 8637631393
Date of birth : 01-02-1979
Caste : UR
Marital status :



Academic qualification:

Degree	Year	Institution/ Board	Area of Specialization	Percentage of Marks
PhD	2012	TERI University, New Delhi	Energy and Environment (Biodiesel production technology)	9 / 10 (Excellent)
PG	2004	G B Pant University of Agriculture and Technology	Farm Machinery and Power Engineering (Biofuel Technology)	8.27 / 10 (First with Distinction)
UG	2001	Jawahar Lal Krishi Viswa Vidyalay	Agricultural Engineering	6.96 / 10 (First)
HS (10+2)	1996	MP Board, Bhopal	Maths, Physics, Chemistry	66.2% (First)
Madhyamik (10 th)	1994	MP Board, Bhopal	Science	64.2% (First)

Teaching experience and associated courses : 12 years.

UG Course: Tractor and Automotive Engines, Tractor System and Controls, Farm Machinery and Equipment-1, Farm Machinery and Equipment-2, Farm Machinery maintenance, Fundamental of Renewable Energy sources, Renewable power sources, Bioenergy-Design and Application, Renewable Energy and Green Technology, Machine Design, Heat and Mass Transfer, Workshop Technology

PG Course: ----

PhD Course: ----

Other academic activity : ----

Previous working Experience:

- ❑ FIJI NATIONAL UNIVERSITY, Fiji Island as a Assistant Professor, from June 2011 to Feb 2016
- ❑ BEST ENGINEERING TECHNOLOGIES, Hyderabad (AP) as a Manager (Biofuels) from Sept 2010 to May 2011.
- ❑ FUEOLOGICAL PTE LTE, Singapore as a Manager (Biodiesel Process and Lab) from June 2009 to May 2010.
- ❑ ADI BIOTECH PVT LTD, Delhi as a Manager (Research and Business Development - Biofuel) from April 2007 to May 2009.

Academic Supervising Experience:**UG:**

<i>Sl. No.</i>	<i>Year</i>	<i>Title of project report</i>
1	2017	Design and development of low-cost medium size maize sheller
2	2018	Design modification and fabrication of power operated low cost maize sheller
3	2018	Performance evaluation of a solar based pumping system
4	2019	Design and development of biogas plant based on kitchen waste
5	2019	Design and development of low-cost insect trapper based on solar energy
6	2020	Review of different types of solar based insect trapper
7	2021	Study on utilization of agricultural crop residue: A detailed review
8	2022	Feasibility study of combine harvester in Terai region
9	2023	Feasibility study of various biomass for biochar production

PG:

<i>Sl. No.</i>	<i>Year</i>	<i>Title of thesis</i>
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PhD:

<i>Sl. No.</i>	<i>Year</i>	<i>Title of thesis</i>
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Project Exposure and Consultancy:

1. “Establishment of Farm Mechanization workshop, testing and training center’ Funded by RKVY, Govt. of India. (Co-PI)
2. “Smart Curricula Delivery through Virtual Classrooms as Communication Linked Interface for Cultivating Knowledge and Online Courses” Funded by NAHEP, ICAR, New Delhi (Co-PI)

Academic Society Association: Life Member – Indian Society of Agricultural Engineering

Training Course coordination:**Administrative experience:**

1. Managing Director – ELP on Engineering Technologies, UBKV, Pundibari, Coochbehar.
2. In-Charge – Farm Machinery Testing and Training Center, , UBKV, Pundibari, Coochbehar

Extracurricular Activity:---

University literature publication:---

Rural Agricultural Work Experience involvement:---

Resource person:

1. Keynote speaker in 'Advanced E-SDP', an Entrepreneurship-cum-Skill Development Programme of DC (MSME), Ministry of Micro, Small & Medium Enterprises, organized by CMERI-CSIR, Durgapur on February 13-17, 2023.

Reviewer:--

Training Programme Participation:--

Scholarships/Fellowships:---

Award:--

External expert:--

Publication:---

Full Papers in International Journal: (in numbers)

Full Papers in National Journal :---

Review paper:---

Research note/ short communication in National Journal:---

Extension Literature/Article:---

Proceedings paper:---

Book Chapters:---

Books: ---

Abstract published: ---

List of Publications (Citation style)

A. Research Papers in International Journal:---

B. Research Papers in National Journal:---

C. Review paper:---

D. Research Notes/Short Communication in National Journal:---

E. Conference Proceedings:---

F. Extension literature/Article:---

G. Book Chapters:---

H. Books:--

Participation in International/ National/State level Conferences:--

Details

<i>Sl. No.</i>	<i>Name of the Seminar/ Symposium/ Conference/ workshop</i>	<i>Place</i>	<i>Date</i>	<i>Year</i>	<i>Duration (days)</i>
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Declaration

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

Place : Coochbehar

(Signature)

Faculty Profile and Credential



Title : Dr.
Name : BRATATI CHOWDHURY
Father's Name : CHITTA RANJAN CHOWDHURY
Present Designation : Assistant Professor, Faculty of Technology
Present address : 3D Mamata Apartment, Khsudiram Sarani, PO+Dist- Coochbehar,
West Bengal- 736101
Permanent address : C/o Chitta Ranjan Chowdhury, Rajabari Para, PO+Dist- Jalpaiguri,
West Bengal- 735101
Tel./Fax No. : Nil
Mobile No. : +91-7060334581
Gmail id : bratati@ubkv.ac.in
Date of birth : 03-03-1991
Caste : Reserved (SC)
Marital status : Married

Academic qualification:

Degree	Year	Institution/ Board	Area of Specialization	Percentage of Marks/Grade
PhD	2021	Indian Institute of Technology Roorkee (IIT Roorkee), Uttarakhand	Hydrology	A
PG (M.Tech)	2014	Indian Institute of Technology Kharagpur (IIT Kharagpur), West Bengal.	Land and Water Resources Engineering.	8.60
UG (B. Tech)	2012	Bidhan Chandra Krishi Viswavidyalaya (UBKV), West Bengal	Agricultural Engineering	8.48 (University Topper)
XII (Higher Secondary)	2008	West Bengal Board of Higher Secondary Education	Science	80.20
X (Secondary)	2006	West Bengal Board of Secondary Education	Beng., Eng., Math, P.Sc., L.Sc., Hist., Geo., W. Edu.	89.75
NET (ICAR)	2018	Agricultural Scientists Recruitment Board (ASRB), Indian Council of Agricultural Research, New Delhi	Land and Water Management Engineering	63.11

Teaching experience and associated Courses:

(3.5 years at UBKV)

UG Course:

Revised (on the basis of the 5th Dean's committee recommendation)

SWC 202 Watershed Hydrology
SWC 251 Irrigation Engineering
SWC 301 Groundwater, Wells and Pumps
SWC 352 Soil & Water Conservation Structures
SWC 401 Remote Sensing and GIS Applications
AEN 151 Introductory Soil Water and Conservation Engineering
PCP 351 Water Management on Horticultural Crops
PPT 152 Dry Land Horticulture

PG Course: NA
PhD Course: NA

Other academic activity:

1. Was a member (as a Technical Expert) of the sub-committee for preparing syllabus of the **undergraduate courses for Agricultural Engineering**.

Previous working Experience:

- A. *Worked in the following projects as student assistant at Indian Institute of Technology Roorkee (IIT Roorkee, Uttarakhand):*
 - i. Estimation of PMF, Design Flood and Spillway Capacities for Gulf of Khambhat Development Project during Jul 2014 - Oct 2015. The objectives are:
 - a) Estimation of design flood, PMF and combined PMF from the rivers discharging into the Gulf at Dam site and
 - b) Sizing of spillway capacity

Worked specially on design flood estimation within system boundary using deterministic approach based on UH theory (Nash Model and Synthetic unit hydrograph) and statistical approach for different rivers such as Dhadar, Mahi, Sabarmati and other small rivers of Sourashtra. For cross verification HEC_HMS was used.

- ii. Development of a state-of-the-art methodology document on estimation of design basis flood in inland sites and identification of gap areas in AERB guidelines during Nov 2015 - Oct 2016. The objectives are:
 - a) To document the design basis flood estimation methods for consideration of Atomic Energy Regulatory Board (AERB) and
 - b) To enable them to identify the gaps in current AERB practices and revise the 1998 AERB guidelines AERB/SG/S-6A- 1998
- B. *Worked as a Teaching Assistant (TA) for the following courses: Deterministic Hydrology (Spring Semester); Stochastic Hydrology (Autumn Semester); Natural hazards and Impact Assessment (Autumn Semester) at IIT Roorkee, Uttarakhand*
- C. *Assisted in capacity of TA for Short Term Training Courses on Stochastic Hydrology of Indian In-service Engineers at IIT Roorkee, Uttarakhand*

Academic Supervising Experience:

Guided B.Tech Students for the following projects:

- i. 2021 Review of Extreme Rainfall Events in India- (Completed)
- ii. 2022 Application of Standard Precipitation Index over parts of India- (Completed)
- iii. 2023 A case study of Terminal Heat Stress on Mustard in Pundibari – (Completed)

PG: NA

PhD: NA

Project Exposure and Consultancy: NIL

Academic Society Association:

- i. Life Member, Indian Society of Agricultural Engineers (LM-12229)

Training Course coordination:

- i. Act as a Co-coordinator in 'Inspire Series talk' under Career Development Center (CDC): A single window system for career opportunities in Agricultural Higher Education Institute (AHEI) at UBKV on 24 September, 2021, 1 October, 2021, and 14 -15 March, 2022, UBKV, West Bengal.

- ii. Act as a Co-coordinator in Sensitization Workshop entitled as ‘Corporate and Media coordination’ both for UG and PG students under CDC at UBKV on 16-18 November, 2022, UBKV, West Bengal.
- iii. Act as a Coordinator in ‘Panel Discussion and Career Boosting workshop’ under CDC at UBKV on 14 March, 2023, UBKV, West Bengal.
- iv. Act as a Coordinator in one day sponsored NAHEP workshop entitled as “Creating Digital content for effective communication” under CDC at UBKV on 22 March, 2023, UBKV, West Bengal.
- v. Act as a Coordinator in a technical session on “Scope and opportunities in Government Job” under CDC at UBKV on 15 July, 2023, UBKV, West Bengal.
- vi. Act as a Coordinator in training Program for Employability Skill Training (Mahindra Pride Classroom) for final year UG and PG students (Girls only) under CDC in collaboration with Naandi Foundation, Hyderabad at UBKV during 9-14 August, 2023, UBKV, West Bengal.

Administrative experience:

- i. Act as a member of the Competitive Examination Coaching Cell to perform activities both at the College of Agriculture Majhihan Sub-Cell and Pundibari Campus Sub-Cell respectively in close collaboration with the central coordinating cell.
- ii. Act as a member of Institutional Bio-safety committee (ISBC), Uttar Banga Krishi Viswavidyalaya (UBKV).
- iii. Act as a member of Career Development Center (CDC), Uttar Banga Krishi Viswavidyalaya (UBKV).
- iv. Act as a member of Publication Committee, Uttar Banga Krishi Viswavidyalaya (UBKV).
- v. Act as a nominated Member of Faculty Management Committee for the Faculty of Technology, UBKV.
- vi. Act as a member of Reception and Registration Committee, Uttar Banga Krishi Viswavidyalaya (UBKV), for 7th convocation of UBKV, 15th Feb, 2023
- vii. Act as a member of Central Admission Committee (CAC), UBKV for UG admission for B.Sc. (Hons.) Agriculture, B.Sc. (Hons.) Horticulture and B. Tech. Agril. Engineering Courses for the session 2021-22, 2022-23, 2023-24
- viii. Act as a member of Accreditation Committee-Task force of the University, UBKV
- ix. Act as a member of Training and Placement Cell, Faculty of Technology, UBKV
- x. Act as a member of Student Grievance Redressal Committee (SGRC), UBKV
- xi. Act as a Nodal Officer of Scholarship Portal for Faculty of Technology, UBKV
- xii. Act as a member of Departmental Purchase Committee for Faculty of Technology, UBKV
- xiii. Act as a member of Committee for Annual report Preparation of the for Faculty of Technology, UBKV
- xiv. Act as a member of Committee for accreditation and compilation of Self Study Report for Faculty of Technology, UBKV

Extracurricular Activity:

- i. Received Director’s awards for securing 1st position (2018) in Poster (Art) competition; and also 2nd (2017) and 3rd position (2018) in Essay writing Competition in Intra-IIT Meet at IIT Roorkee, Uttarakhand on the occasion of International Mother Tongue Day Celebration.

University literature publication: NIL

Rural Agricultural Work Experience involvement: NIL

Resource person:

Delivered Online Lectures in the following Programs

- i. Delivered online lecture in innovative multi-institutional joint master’s program namely MSC (Agriculture Analytics) on the topic named “Modelling of the spatial-temporal variations of the hydroclimatic extremes” and “Extreme distributions parameters using Maximum Likelihood and L-Moments” respectively, at Anand Agricultural University, Anand, Gujarat on 3rd November, 2023.

- ii. Delivered online lecture in innovative multi-institutional joint master's program namely MSC (Agriculture Analytics) on the topic named "Hydrometric & statistical analysis of hydrologic data" at Anand Agricultural University, Anand, Gujarat on 17th November, 2023.
- iii. Delivered online lecture in innovative multi-institutional joint master's program namely MSC (Agriculture Analytics) on the topic named "Water balance- Surface water, groundwater and their interaction" at Anand Agricultural University, Anand, Gujarat on 28th November, 2023.

Reviewer:

- 1. International Journal of climatology (John Wiley & Sons, Ltd.)

Training Program Participation:

- i. Participated in International online webinar on "Integrated Modelling of floods at multiple Spatial and temporal scales" organized by Christopher B Burke Engineering, United States on 20 August, 2020.
- ii. Attended a sponsored NAHEP-IG, ICAR webinar on "Conversion of Agricultural Crop Residue to sustainable Biofuel production" at UBKV on 5 November, 2020.
- iii. Participated in International online training course entitled as "The Joy, opportunities and challenges in Field Hydrological Research" at IIT Guwahati, organized by Department of Civil Engineering, The National Institute of Engineering, Mysuru, India & Indian Institute of Technology Guwahati, India during 2-6 November, 2020 (5 days).
- iv. Attended in training course entitled as "Contemplating Soil Research and education: A way Forward" at UBKV, organized by Department of soil Science and agricultural Chemistry, Uttar Banga Krishi Viswavidyalaya, West Bengal, India during 2-6 November, 2021 (5days)
- v. Participated in online training course entitled as "Inculcating Universal Human values in Technical Education" organized by AICTE, New Delhi, India during 27 September-1 October, 2021 (5 days)
- vi. Participated in NAHEP sponsored training course entitled as "Nurturing the Entrepreneurial Ecosystem in Agricultural Universities" organized by ICAR-NAARM, Telengana, India during 23 -27 August, 2022 (5 days)
- vii. Attended an international online workshop entitled as "Changing Precipitation-Flood-Precipitation Coupled Cycle in the North-East Region" at IIT Guwahati on 5 September, 2023

Scholarships/Fellowships/Achievements:

- i. Recipient of University Merit Scholarship for the highest CGPA during Undergraduate Studies, BCKV (2008-2012)
- ii. Recipient of Ministry of Human Resources Development scholarship (MHRD), GOI during Postgraduate Course.
- iii. Recipient of Ministry of Human Resources Development scholarship (MHRD), GOI during Doctoral Studies.
- iv. Qualified ICAR-ASRB Agricultural Research Scientist (Land and Water Management Engineering) Mains 2016, 2017

Awards:

- 1. Awarded with University Gold Medal for securing the highest OGPA at the B.Tech (Agril.Engg.), 2012.
- 2. Awarded with Smt. Shishubala Memorial Gold Medal for securing the highest OGPA at the B.Tech (Agril.Engg.), 2012.

External expert:

- i. Acted as an External Question Setter of end semester examinations at Vignan university, Guntur, Andhra Pradesh-522213, India
- ii. Acted as an External Question Setter of end semester examinations at Bihar Agricultural University, Sabour, Bhagalpur-813210, India
- iii. Acted as an External Question Setter of Admission Entrance examination at Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Faizabad-224229 (U.P.) India

Publication:

Full Papers in International Journal: (in numbers) 2 (published) and 3 (under review)

Full Papers in National Journal: 1

Review paper: NIL

Research note/ short communication in National Journal: NIL

Extension Literature/Article: 1

Proceedings paper: 1

Book Chapters: NIL

Books: NIL

Abstract published: 1

List of Publications (Citation style)**A. Research Papers in International Journal:**

- i. **Bratati Chowdhury**, N K Goel, M Arora (2021). Evaluation and ranking of different gridded precipitation datasets for Satluj River basin using compromise programming and f-TOPSIS. Theoretical and Applied Climatology, 143, 101–114. (Springer publication)
- ii. **Bratati Chowdhury** (2022). Trends, intensification, attribution and uncertainty of projected heatwaves in India; Int. J. Climatol. 1–20, <https://doi.org/10.1002/joc.7665>. (John Wiley & Sons, Ltd.)
- iii. Performance Ranking of Global Precipitation Estimates over Data Scarce Western Himalayan Region of India (under review)
- iv. A sustainable way of nutrient retention through cell separation phenomenon exhibited by EPS producing bacteria (under review)
- v. Biopriming of seed recovers the lost vigor under sub-optimal spermo-spheric temperature (under review)

B. Research Papers in National Journal:

- i. N Kumar, **Bratati Chowdhury**, P S Chattopadhyay, 2017, Development and Testing of a Power Tiller Operated Potato Digger, Agricultural Engineering Today, Volume 41(July- September), 62-66

C. Review paper: NIL**D. Research Notes/Short Communication in National Journal: NIL****E. Conference Proceedings:**

- i. **Bratati Chowdhury**, N K Goel, M Arora (2020). Ranking of different gridded dataset for Satluj Basin using Compromise Programming and f-TOPSIS, Roorkee Water Conclave, on 26-28 February, 2020, organized by National Institute of Hydrology Roorkee and Indian Institute of Technology Roorkee, Uttarakhand.

F. Extension literature/Article:

- i. Half-yearly (January-June, 2023) E-Newsletter published by the Indian Society of Agricultural Engineers (ISAE) - Kolkata Chapter.

G. Book Chapters: NIL

H. Books: NIL

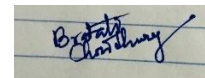
Participation in International/ National/State level Conferences:

- i. Presented a paper entitled as “Ranking of different gridded dataset for Satluj Basin using Compromise Programming and f-TOPSIS” for Roorkee Water Conclave on 26 -28 February, 2020, organized by National Institute of Hydrology Roorkee and Indian Institute of Technology Roorkee, Uttarakhand.

Declaration

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

Place: Coochbehar

A handwritten signature in blue ink on a white background. The signature appears to be 'Brijesh Choudhary' with a stylized flourish at the end.

(Signature)

Faculty Profile and Credential



Title : Er.
Name : **Kingshuk Roy**
Father's Name : Kumaresh Roy
Present designation : Assistant Professor
Present address : Faculty of Technology, UBKV, Pundibari, Cooch Behar, West Bengal.
Permanent address : Birnagar, Nadia, West Bengal, 741127
Tel./Fax No. : Nil
Mobile No. : +91 7001729784
Email Id : kingshuk@ubkv.ac.in
Date of birth : 20-02-1992
Caste : SC
Marital status : Married

Academic qualification:

Degree	Year	Institution/ Board	Area of Specialization	Percentage
PhD	-	-	-	-
M.Tech.	2018	Odisha University of Agriculture & Technology	Farm Machinery and Power Engineering	88.2 %
UG	2016	University of Agricultural Sciences, Bangalore	Agricultural Engineering	81.3 %
HS (10+2)	2010	Jawahar Navodaya Vidyalaya, Banipur	Science	67.0 %
Madhyamik (10 th)	2008	Jawahar Navodaya Vidyalaya, Kalyani	Math, Science, Social Science, English, Bengali	79.0 %
NET qualified	2018	Agricultural Scientists Recruitment Board- Indian Council of Agricultural Research, New Delhi	Farm Machinery and Power	51.78 %

Teaching experience and associated courses:

UG Course:

Revised (on the basis of the 5th Dean's committee recommendation)

Course number	Course Name	Role
FMP-251	Farm Machinery and Equipment – I	Course-Leader
FMP-301	Tractor Systems and Controls	Course-Leader
FMP-302	Farm Machinery and Equipment – II	Course-Leader
FMP-303	Tractor and Farm Machinery Operation and Maintenance	Course-Leader
FMP 408	Mechanics of Tillage and Traction	Course-Leader
AEN 251	Farm Machinery and Power	Course-Leader

ME 101	Engineering Drawing	Course-Leader
ME 301	Auto CAD Applications	Course-Leader
ME 151	Workshop Technology and Practices	Course-Leader
ME 251	Theory of Machines	Course-Leader

PG Course: Nil

PhD Course: Nil

Other academic activity: Nil

Previous working Experience:

- Worked as a Senior Research Fellow under *Centre for Advanced Agricultural Science and Technology on Conservation Agriculture*, Funded by World Bank, from 2nd January, 2019 to 31st December, 2019.

Academic Supervising Experience:

UG:

Sl. No.	Year	Title of project report
01	2023	Development of a website to estimate the hiring charges of agricultural machineries
02	2022	Performance Evaluation of Self-Propelled Combined Harvester
03	2021	Energy auditing for rice cultivation in selected villages of west Bengal
04	2020	Design of single row power weeder for paddy cultivation

PG: Nil

PhD: Nil

Project Exposure and Consultancy:

- Act as an Associated Scientist in “*Establishment of Farm Machinery Workshop, Testing and Training Centre*” funded by RKVY Govt. of India, INR 3,95,80,000.00. (Continuing).

Academic Society Association: Nil

Training Course coordination: Nil

Administrative experience:

- Act as a PI admin of WBJEEB Counselling.
- Act as a PI admin of JELET Counselling.
- Act as a member of Central Admission Committee (CAC), Uttar Banga Krishi Viswavidyalaya for UG admission for B.Sc. (Hons.) Agriculture, B.Sc. (Hons.) Horticulture and B.Tech. Agril. Engineering Courses for session 2021-22, 2022-23, 2023-24.
- Act as a provost of A.P.C.R Hall, Uttar Banga Krishi Viswavidyalaya, Cooch Behar.
- Act as a coordinator of Faculty Level Training and Placement Cell committee, Faculty of Technology, UBKV, Cooch Behar.
- Act as a member of Faculty Management Committee Faculty of Technology, UBKV, Cooch Behar.
- Act as a member of Anti-ragging Squad, Uttar Banga Krishi Viswavidyalaya, Cooch Behar.
- Act as a member of Examination Committee, Uttar Banga Krishi Viswavidyalaya, Cooch Behar.
- Act as a member of Scrap Disposal Committee, Uttar Banga Krishi Viswavidyalaya, Cooch Behar.
- Act as a member of Preparation and Publication of annual report committee, UBKV, Cooch Behar.

11. Act as a member of Preparation of Self Study Report for Faculty of Technology for accreditation by ICAR committee, Faculty of Technology, UBKV, Cooch Behar.

Extracurricular Activity: Nil

University literature publication: Nil

Rural Agricultural Work Experience involvement: Nil

Resource person:

- Delivered a lecture on “*Energy conservation in agriculture sector with relation to farm machinery*”, KVK, Pundibari, Cooch Behar, 2020.

Reviewer: Nil

Training Programme Participation:

1. Participated in the three days training on " *Digital Content Creation and Course Management* " sponsored by the National Agricultural Higher Education Project (NAHEP) from 28th March to 30th March, 2023.
2. Participated in the five-day online training programme on "*Inculcating Universal Human values in Technical Education*" sponsored by the All-India Council for Technical Education (AICTE) from 27th September to 1st October, 2021.
3. Participated in the fourteen days Refresher Course on "*Advances in Digital Education* " sponsored by the University of Calcutta from 06th March to 19th March 2021.

Scholarships/Fellowships:

1. Was a regular recipient of ICAR-Senior Research Fellowship during Ph.D. studentship under *Centre for Advanced Agricultural Science and Technology on Conservation Agriculture*, Funded by World Bank.
2. Was a regular recipient of National Talent Scholarship, ICAR Govt. of India during M.Tech.
3. Was a regular recipient of National Talent Scholarship, ICAR- Govt. of India during B.Tech.

Award:

1. Received Best Oral Presentation Award from Indian Society of Agricultural Engineers, 2021.
2. Received Abel Wolman Memorial Award from The Institution of Engineers (India), 2018.

External expert:

1. Acted as an External Question Setter of end semester examinations at Vignan university, Guntur, Andhra Pradesh-522213, India.

Publication: 07

Full Papers in International Journal: 01

Full Papers in National Journal : 06

Review paper: Nil

Research note/ short communication in National Journal: Nil

Extension Literature/Article: Nil

Proceedings paper: Nil

Book Chapters: Nil

Books: Nil

Abstract published: Nil

List of Publications (Citation style)

A. Research Papers in International Journal:

1. Bhunia, S., Karmakar, S., Bhattacharjee, S., **Roy, K.**, Kanthal, S., Pramanick, M., Baishya, A., Mandal, B. (2021). Optimization of energy consumption using data envelopment analysis (DEA) in rice-wheat-green gram cropping system under conservation tillage practices, *Energy*, Volume 236, 121499, ISSN 0360-5442. <https://doi.org/10.1016/j.energy.2021.121499> .

B. Research Papers in National Journal:

1. Ghosal, M.K., and **Roy, K.** (2021). Heating Performance and Pollutant Emissions in Burning Biocoal Prepared from Waste Tender Coconut, *Biological Forum – An International Journal*, ISSN 2249-3239.
2. Ghosal, M.K., and **Roy, K.** (2021). Physical Characteristics Studies of Biocoal from Waste Tender Coconut, *Biological Forum – An International Journal*, 13(3a): 691-695, ISSN: 2249-3239.
3. Dey, S., Biswas, T., **Roy, K.**, & Karmakar, K. (2020). Impact of spot application of insecticide on the different cultivars of Maize against fall army worm (*Spodoptera frugiperda* Smith) under conservation agriculture, *Journal of Entomology and Zoology Studies*, 8(3): 75-80, ISSN: 2320-7078.
4. Dey, S., **Roy, K.**, P. D. K. (2019). Bioefficacy study of chlorpyrifos 20ec against the Brinjal fruit and shoot borer in Brinjal crop, West Bengal, India. *The Pharma Innovation Journal*, 8(12), 383-386.
5. Kanthal, S., **Roy, K.**, Dey, S., Biswas, T., Jaisan, M., Ali, A., Paik, T. and Baishya, A. (2019). Response of Wheat Cultivar under Conservation Agriculture. *International Journal of Current Microbiology and Applied Sciences*. 8. 2419-2425. <https://doi.org/10.20546/ijcmas.2019.812.284>
6. Ghosal, M. K., **Roy, K.**, Naik, A. K., Pradhan, K., Das, D. K., Mishra, J. N., & Behera, D. (2018). Development and Performance Evaluation of Solar Powered Forced Draft Improved Biomass Cook Stove for Household Cooking. *Agricultural Engineering Today*, 42(2), 1-9.

C. Review paper: Nil

D. Research Notes/Short Communication in National Journal: Nil

E. Conference Proceedings: Nil

F. Extension literature/Article: Nil

G. Book Chapters: Nil

H. Books: Nil

Participation in International/ National/State level Conferences:

Details

1. Participated in one day National Workshop on *“Conservation agriculture for small and marginal farms through appropriate farm mechanization”* at Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India, 2019.
2. Participated in one day National Workshop on *“The sociology of conservation agriculture: issues and strategies”* at Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India, 2019.
3. Participated in one day National Workshop on *“Carbon management in soils through resource conservation technologies: issues and strategies”* at Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India, 2019.

Declaration

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

Place : Coochbehar



(Signature)

Faculty Profile and Credential

Title : Er.
Name : Ritam Sarkar
Father's Name : Bhola Nath Sarkar
Present designation : Assistant Professor
Present address : Faculty of Technology, UBKV, Pundibari, Cooch Behar,
: West Bengal: 736165.
Permanent address : Nivedita Park, Hridaypur, Kolkata- 700127.
Tel./Fax No. : Nil
Mobile No. : 9038580753
Date of birth : 03/04/1991
Caste : SC
Marital status : Unmarried



Academic qualification:

Degree	Year	Institution/ Board	Area of Specialization	Marks
PhD	Pursuing	IIT Patna		
PG	2016	Jadavpur University	Computer Science & Engineering	8.41 (CGPA)
UG	2013	W.B.U.T	Computer Science & Engineering	7.59 (CGPA)
HS (10+2)	2008	W.B.C.H.S.E	Science	60.8 %
Madhyamik (10 th)	2006	W.B.B.S.E	Math, P.Sc, L.Sc, Hist., Geo., Beng., Eng.	75 %
NET qualified	NIL			
Any other	NIL			

Teaching experience and associated courses: One year and eight months at UBKV

UG Course:

CSE 201 Web Designing and Internet Applications
CSE 351 Computer Programming and Data Structures
CSE 401 Artificial Intelligence

PG Course: Nil

PhD Course: Nil

Other academic activity:

Tour guide for Educational Tour at Kalimpong during the period from 10.05.2022 to 15.05.2022.

Previous working Experience:

July 2016 – March 2019: Junior Research Fellow at Jadavpur University, Department of Computer Science and Engineering, in the Project titled “Development of some efficient techniques for applications in the field of Business Intelligence” sponsored by UGC.

Academic Supervising Experience:**UG:**

<i>Sl. No.</i>	<i>Year</i>	<i>Title of project report</i>
1	2022	Developing an Android App for Determination of Soil Hydraulic Conductivity Using Different Methods

PG: Nil**PhD: Nil****Project Exposure and Consultancy: Nil****Academic Society Association: Nil****Training Course coordination: Nil**

Administrative experience: Member of Central Admission Committee, NSS Programme Officer, Member of Students' Grievance Redressal Committee.

Extracurricular Activity:**University literature publication: Nil****Rural Agricultural Work Experience involvement: Nil****Resource person: Nil****Reviewer:**

IEEE Transaction on Vehicular Technology

Training Programme Participation:**Scholarships/Fellowships:****Award:****External expert: Nil****Publication:****Full Papers in International Journal: (5)****Full Papers in National Journal: NIL****Review paper: NIL**

Research note/ short communication in National Journal: NIL

Extension Literature/Article: NIL

Proceedings paper: (3)

Book Chapters: NIL

Books: NIL

Abstract published: NIL

List of Publications (Citation style)

A. Research Papers in International Journal:

1. Barman, Debaditya, Subhayan Bhattacharya, **Ritam Sarkar**, and Nirmalya Chowdhury. "\$ k \$-Context Technique: A Method for Identifying Dense Subgraphs in a Heterogeneous Information Network." *IEEE Transactions on Computational Social Systems* 6, no. 6 (2019): 1190-1205.
2. Barman, Debaditya, **Ritam Sarkar**, Anil Tudu, and Nirmalya Chowdhury. "Personalized query recommendation system: A genetic algorithm approach." *Journal of Interdisciplinary Mathematics* 23, no. 2 (2020): 523-535.
3. Kumar, Amit, Debaditya Barman, **Ritam Sarkar**, and Nirmalya Chowdhury. "Overlapping community detection using multiobjective genetic algorithm." *IEEE transactions on computational social systems* 7, no. 3 (2020): 802-817.
4. **Sarkar, Ritam**, Debaditya Barman, and Nirmalya Chowdhury. "Domain knowledge based genetic algorithms for mobile robot path planning having single and multiple targets." *Journal of King Saud University-Computer and Information Sciences* 34, no. 7 (2022): 4269-4283.
5. Barman, Debaditya, **Ritam Sarkar**, and Nirmalya Chowdhury. "A cooperative co-evolutionary genetic algorithm for query recommendation." *Multimedia Tools and Applications* (2023): 1-31.

B. Research Papers in National Journal: Nil

C. Review paper: Nil

D. Research Notes/Short Communication in National Journal: Nil

E. Conference Proceedings:

1. **Sarkar, Ritam**, Debaditya Barman, and Nirmalya Chowdhury. "To Detect the Influencers in a Dynamic Co-authorship Network Using Heat-Diffusion Model." In *Advanced Computational and Communication Paradigms: Proceedings of International Conference on ICACCP 2017, Volume 1*, pp. 259-268. Springer Singapore, 2018.
2. **Sarkar, Ritam**, Debaditya Barman, and Nirmalya Chowdhury. "A cooperative co-evolutionary genetic algorithm for multi-robot path planning having multiple targets." In

Computational Intelligence in Pattern Recognition: Proceedings of CIPR 2019, pp. 727-740. Springer Singapore, 2020.

3. **Sarkar, Ritam**, Pranay Kumar Saha, Samrat Mondal, and Arijit Mondal. "Intelligent scheduling of V2G, V2V, G2V operations in a smart microgrid." In *Proceedings of the Eleventh ACM International Conference on Future Energy Systems*, pp. 417-418. 2020.

F. Extension literature/Article:

G. Book Chapters:

H. Books:

**Participation in International/ National/State level Conferences:
Details**

<i>Sl. No.</i>	<i>Name of the Seminar/ Symposium/ Conference/ workshop</i>	<i>Place</i>	<i>Date</i>	<i>Year</i>	<i>Duration (days)</i>
1	Digital Content Creation and Management	UBKV	28-30 March	2023	3
2	Workshop on Blended Learning Platform	UBKV	11 th September	2023	1

Declaration

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

Place : Coochbehar

R. Sarkar
(Signature)

Faculty Profile and Credential



Title : Mr.
Name : Subhrajyoti Roy
Father's Name : Haran Ch. Roy
Present designation : Guest Lecturer in English
Present address : Mantu Das Gupta Pally, P.O. & Dist. Coochbehar
Permanent address : Mantu Das Gupta Pally, P.O. & Dist. Coochbehar
Tel./Fax No. : ---
Mobile No. : 7501873341
Date of birth : 01/01/1990
Caste : UR
Marital status : Married

Academic qualification:

Degree	Year	Institution/ Board	Area of Specialization	Percentage of Marks
PhD	--	-----	----	----
PG	2013	IGNOU	English	57.00
UG	2011	NBU	English (Honours)	47.50
HS (10+2)	2008	CBSE	Arts	71.40
Madhyamik (10 th)	2006	CBSE	General	56.40
NET qualified	2014	UGC	English	58.86
Any other	---	---	----	---

Teaching experience and associated courses :---

UG Course: 8 years

PG Course: 8 years

PhD Course:---

Other academic activity :---

Previous working Experience:---

Academic Supervising Experience:----

UG:

Sl. No.	Year	Title of project report
----	----	----

PG:

Sl. No.	Year	Title of thesis
----	----	----

PhD:

Sl. No.	Year	Title of thesis
----	----	-----

Project Exposure and Consultancy:--

Academic Society Association:---
 Training Course coordination:---
 Administrative experience:---
 Extracurricular Activity:---
 University literature publication:---
 Rural Agricultural Work Experience involvement:---
 Resource person:---
 Reviewer:---
 Training Programme Participation:---
 Scholarships/Fellowships:---
 Award:---
 External expert:---
 Publication:---
 Full Papers in International Journal (in numbers):---
 Full Papers in National Journal : One
 Review paper:---
 Research note/ short communication in National Journal:---
 Extension Literature/Article:---
 Proceedings paper:---
 Book Chapters:---
 Books: ---
 Abstract published: ---
 List of Publications (Citation style)
 A. Research Papers in International Journal:---
 B. Research Papers in National Journal:---
 C. Review paper:---
 D. Research Notes/Short Communication in National Journal:---
 E. Conference Proceedings:---
 F. Extension literature/Article:---
 G. Book Chapters:---
 H. Books:---
 Participation in International/ National/State level Conferences: One
 Details

<i>Sl. No.</i>	<i>Name of the Seminar/ Symposium/ Conference/ workshop</i>	<i>Place</i>	<i>Date</i>	<i>Year</i>	<i>Duration (days)</i>
1.	Exploring New Horizons Of Translation	ABN Seal College, Coochbehar	16 th - 17 th March	2012	02

Declaration

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

Place : Coochbehar

(Signature)

Faculty Profile and Credential

Title : Dr.
Name : Ashutosh Dutta
Father's Name : Late Binay Krishna Dutta
Present designation : Guest Lecturer
Present address : Khagrabari (Burirpat), Cooch Behar, WB – 736179
Permanent address : Khagrabari (Burirpat), Cooch Behar, WB – 736179
Tel./Fax No. : NIL
Mobile No. : 9832141010
Date of birth : 10/10/1972
Caste : OBC
Marital status : Married



Academic qualifications:

Degree	Year	Institution/ Board	Area of Specialization	Percentage of Marks
PhD	2019	University of North Bengal	Solution Chemistry and Biologically active potent drug molecules	
PG	1996	University of North Bengal	Organic Chemistry	65%
UG(Honours)	1994	A.B.N. Seal College	Chemistry	55%(Approx)
HS (10+2)	1991	W.B.C.H.S.E	Science	65.10%
Madhyamik (10 th)	1989	W.B.B.S.E.		73.33%
NET / GATE qualified	GATE qualified in 1998 (Chemical Sciences)			
Award of JRF in DRDO	1998	Ministry of Defence	Govt of India	----

Teaching experience and associated courses :

UG Course: Engineering Chemistry (w.e.f. 03-08-2010)

PG Course: Netaji Subhash Open University in Food Chemistry for Six months.

PhD Course: Nil

Other academic activity: Master trainer of Science Teacher of Cooch Behar & Jalpaiguri District Science 2024

Previous working Experience: After two years working as Chemist in a Private Organization I have done research work at DRDO in 1998 on Hydrochemistry and Anti-malarial herbal drugs available in the North East India.

Academic Supervising Experience:

UG:

Sl. No.	Year	Title of project report
1.	2019	Host-Guest Inclusion Complex
2.	2022	Conservation of water

PG: Nil

PhD: Nil

Project Exposure and Consultancy: Yes

Academic Society Association: NIL

Training Course coordination: Yes

Administrative experience: Yes, Higher Secondary School level as Asstt. Headmaster

Extracurricular Activity: Construction of School Herbal Garden named “Sushruta Herbal Garden” containing more than 500 medicinal plants and Innovation of “Modern Concept of Biochemic System of Medicine” and “New Thinking of Biochemic Medical Science.”

University literature publication: Nil

Rural Agricultural Work Experience involvement: Nil

Resource person: Yes

Reviewer: Nil

Training Programme Participation: Yes

Scholarships/Fellowships: Award of JRF in DRDO 1998, Ministry of Defence, Govt of India.

Award: 1. SHIKSHARATNA AWARD 2020, DSE, Govt. of West Bengal.

2. Award of BIOCHEMIC MEDICAL SCIENTIST 2023 from Non Govt. Health Institution.

External expert: Work done as Head Examiner of Physical Science for Six years.

Publication: One Book + 7 Research Article including National and International Journals of Repute =8

Full Papers in International Journal: 4

Full Papers in National Journal : 3

Review paper: Nil

Research note/ short communication in National Journal: Yes, on Inorganic Salts

Extension Literature/Article: Yes

Proceedings paper: One more Book is going to be Published on Biochemic Medical Science

Book Chapters:Yes

Books: One Published with ISBN No. and another is going to be published

Abstract published: Yes, Inorganic salts are applied as Biochemic Medicine in National Level

List of Publications (Citation style):

A. Research Papers in International Journal: Four

1. **Dutta, A., Roy, N., Das, K., Roy, D., Ghosh, R., & Roy, M. N. (2020).** Synthesis and characterization of host guest inclusion complexes of cyclodextrin molecules with theophylline by diverse methodologies. *Emerg Sci J*, 4(1), 52-72.

2. B, Biraj., **Dutta, A.** & Roy, M. N (2018). Sustenance of Inclusion Complexes of Ionic Liquid with Cyclic Oligosaccharide Molecules in Liquid and Solid Phases by Diverse Approaches. *Chemistry Select*, 3, 7527 – 7534.
3. Rajbanshi, B., **Dutta, A.**, Mahato, B., Roy, D., Maiti, D. K., Bhattacharyya, S., & Roy, M. N. (2020). Study to explore host guest inclusion complexes of vitamin B1 with CD molecules for enhancing stability and innovative application in biological system. *Journal of Molecular Liquids*, 298, 111952.
4. **Dutta, A.**, Roy, K., Dey, R., and Roy, M.N. (2018). Physicochemical Study of Diversified Interactions Prevalent in Zyloric tablet and Uric Acid mixture in Aqueous Medium with the Manifestation of Solvation Consequence, *Asian Journal of Science and Technology* Vol. 09, Issue, 09, pp.8565-8573.

B. Research Papers in National Journal: Three

1. **Dutta, A.**, Barman, B. K., Mahato, B., Rahaman, H., & Roy, M. N. (2018). Study to explore complexation of crown ether with antidepressant drug prevalent in aqueous system by physicochemical contrivance. *Ind. J. Adv. Chem. Sci*, 6(3), 171-177.
2. **Dutta, A.**, Roy, K., Basak, S., Majumder, S., & Roy, M. N. (2018). Investigation of solution behaviour of an ionic liquid in diverse cellosolves by physicochemical contrivance. *Journal of Advanced Chemical Sciences*, 543-548.
3. Mondal, J., **Dutta, A.**, Das, K., Das, D., Karmakar, P., Sengupta, S., ... & Roy, M. N. (2019). Probing Subsistence of Host Guest Inclusion Complexes of Oligosaccharides with Allopurinol for Regulatory Release with the Manifestation of Solvation Consequences. *Journal of Advanced Chemical Sciences*, 621-628.

C. Review paper: Nil

D. Research Notes/Short Communication in National Journal: Yes

E. Conference Proceedings: Yes

F. Extension literature/Article: Yes

G. Book Chapters: Yes

H. Books: Yes

Participation in International/ National/State level Conferences:

Details

Sl. No.	Name of the Seminar/ Symposium/ Conference/ workshop	Place	Date	Year	Duration (days)
1.	UGC Sponsored National Seminar, “A Journey Through Recent Developments In Chemistry” March 1-2, 2012, Organised by A. B. N. Seal College, Cooch Behar, W.B. (Oral Presentation).	A. B. N. Seal College, Cooch Behar	March 1-2, 2012	2012	02
2.	DEC Sponsored Interactive Fifth Workshop On Good Governance of the Study Centers of Netaji Subhas Open University (Participation)	Cooch Behar College	March 25 2013	2013	01

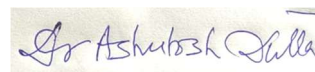
3.	UGC-DEB Sponsored State Level Seminar On ODL and Vocational education & Training October21,2014	Cooch Behar College	October21 2014	2014	01
4.	International Seminar on “Frontiers in Chemistry 2018” August 27 th , 2018 Organised by Department of Chemistry, University of North Bengal. (Poster Presentation)	Department of Chemistry, University of North Bengal.	August 27 th , 2018	2018	01
5.	Two Days National Web-Based Conference on – “Enviromental Determinism, Diverse Pollutions , Sources, and Controlling Management Through Sciences and Humanities (Oral Presentation)	Alipurduar University	22 nd & 23 rd March 2021	2021	02
6.	Internal Web-Basad Conference on “Covid - 19 : Consequences and Challenges” (Oral Presentation).	Alipurduar University	5 th & 6 th August	2021	02
7.	Science Academies’ Lecture Workshop, “Frontiers In Chemical and Material Sciences: ‘FICMS: Theory and Practice’”, Department of Chemistry, North Bengal University, February 8-10, 2018 (Participation)	Department of Chemistry, North Bengal University	February 8-10, 2018	2018	03

Declaration

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

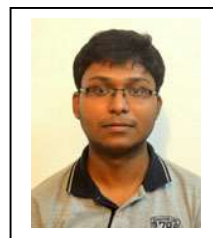
Date: 24-Nov-2023

Place: Coochbehar



(Dr. Ashutosh Dutta)

Faculty Profile and Credential



Title : Mr.
Name : **Abhishek Paul**
Father's Name : Gobinda Das Paul
Present designation : Guest Lecturer
Present address : Netaji Road, New Town, P.O. and Dist. Cooch Behar, PIN- 736101, West Bengal
Permanent address : Netaji Road, New Town, P.O. and Dist. Cooch Behar, PIN- 736101, West Bengal
Mobile No. : +919851221820
Date of birth : 28-06-1995
Caste : OBC (B)
Marital status : Unmarried

Academic qualification:

Degree	Year	Institution/ Board	Area of Specialization	Percentage of Marks
PhD	-	-	-	-
PG	2019	CBPBU	Astro Physics	81.56
UG	2017	NBU	Physics (Hons.)	54.25
HS (10+2)	2013	WBCHSE	Science	69.6
Madhyamik (10 th)	2011	WBBSE		77.5
GATE qualified	2023			NA
Any other				

Teaching experience and associated courses :

UG Course: 6 months of teaching experience in Engineering Physics.

PG Course: NA.

PhD Course: NA.

Other academic activity: NA.

Previous working Experience: Nil

Participation in International/ National/State level Conferences: 02
Details

Sl. No.	Name of the Seminar/ Symposium/ Conference/ workshop	Place	Date	Year	Duration (days)
1.	Recent Issues in Nuclear and Particle Physics	Visva-Bharati, Santiniketan	3-5 February	2019	3
2.	Recent Advances in Astrophysics and Cosmology	CBPBU, Cooch Behar	9-10 October	2018	2

Declaration

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

Place : Coochbehar

(Signature)

Title : Ms
Name : Sudipta Dey
Father's Name : Anukul Dey
Present designation : Guest lecturer (Engineering Mathematics)
Present address : Baburhat, Post – Chakchaka, Pin-736156
Permanent address : Baburhat, Post- Chakchaka, Pin-736156
Mobile No. : 8609219006
Date of birth : 01/06/1996
Caste : OBC-B
Marital status : Single



Academic qualification:

Degree	Year	Institution/ Board	Area of Specialization	Percentage of Marks
PhD	NA			
PG	2019	Cooch behar panchanan barma university	Applied mathematics	81.31
UG	2017	North Bengal university	Mathematics honours	63.25
HS (10+2)	2013	West Bengal council of higher secondary education		68.00
Madhyamik (10th)	2011	West Bengal board of secondary education		80.37

Extracurricular Activity: Coding singing,

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

Place : Coochbehar


 (Signature)

CURRICULAM VITÆ



Sl. No.	Particulars		Details
1.	Name		Dr. Tarun Paul
2.	Designation		Assistant Professor
3.	Department		Agronomy
4.	Educational Qualifications		M.Sc.(Ag) in Agricultural Extension, Ph.D
5.	Contact Details	(a) Email id: tarun.bckv@gmail.com (b) Phone/Mobile :	
6.	Post held since (year):		
7.	Area of Specialization :		
8.	No. of Publications	a) Research Papers : 13 b) Book Chapters : 4 c) Books : 0	
9.	Award/Honors:		
Sl. No	Name of Award	Awarding Agency	Year
a.	UG Merit fellowship, JRF and IARI merit fellowship		

10. Publications (Best Five):

Roy, S., Bisht, P.S., Pandey, P.C. and **Paul, T.** 2015. Assessment of Age of Seedling and Weed Management Practices on Rice Yield Under System of Rice Intensification *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, pp 1-9, DOI 10.1007/s40011-015-0487-z **NAAS Rating 6.40**

Ray, K., Banerjee, H., **Paul, T.** and Das, T.K. 2015. Irrigation and sulphur fertilization effects on the productivity, profitability and green house gases emissions in indian mustard. *Experimental Agriculture* pp 1-13 **NAAS Rating 7.08**

Paul, T., Bisht, P.S., Pandey, P.C., Singh, D.K. and Roy, S. 2013. Rice productivity and soil fertility as influenced by nutrient management in rice (*Oryza sativa*)–wheat (*Triticum aestivum*) cropping system. *Indian Journal of Agronomy* **58** (4):495–499 **NAAS Rating 5.0**

Mozumder, M., Banerjee, H., Ray, K. and **Paul, T.** 2014. Evaluation of potato (*Solanum tuberosum*) cultivars for productivity, N requirement and eco-friendly indices under different nitrogen levels *Indian Journal of Agronomy* **59** (2): 327–335 **NAAS Rating 5.0**

Paul, T., Bisht, P.S., Barman, A., Bhattacharjya, S., saha, T. and Nath, C.P. 2014. Rice productivity and nutrient use efficiency as influenced by nutrient management in long-term rice-wheat system *Annals of Agricultural Research* **35**(2): 171-175 **NAAS Rating 3.02**

11. Projects handled as PI and Co-PI (External funded)

Curriculum vitae

Date of Birth 23th February, 1982
Father's Name Shri Subal Hajra
Mother's Name Smt. Gouri Bala Hajra
Marital Status Married
Mailing Address Department of Agronomy,
Uttar Banga Krishi Viswa Vidyalaya,
Pundibari, Cooch Behar,
West Bengal – 736165.



Mob +91-7063102355
E-mail dhajra@gmail.com
Permanent Address Vill-Kripanandapur
P.O-Arangkiarana
Moyna, Purba Medinipur
West Bengal-721642

Educational Qualifications

Degree	Year	University/Institute	OGPA /%	Discipline/Subjects
Doctoral (Ph.D)	2010	Indian Veterinary Research Institute, Izatnagar	8.21/10	Poultry Science
Master of Veterinary science (M.V.Sc.)	July, 2006	G.B. Pant university of Agriculture & Technology, Pantnagar, Uttarakhand, India	8.49/10	Poultry Science
Bachelor of Veterinary Science and Animal Husbandry (BVSc& AH)	July, 2004	West Bengal University of Animal and Fishery Sciences, Kolkata-37. India	65.56 %	Veterinary and Animal Sciences
Intermediate (10+2)	June, 1999	W.B. Council Higher Secondary Education, India	75.00 %	Physics, Math, Chemistry, Biology, Bengali, English
Matriculation (10 th)	June, 1997	W.B. Board of Secondary Education, India	71.12 %	Life Sc., Physical Sc., Math, , English, Bengali, History, Geography

Work Experience

- Worked as Subject Matter Specialist (Animal Science) from 28th May, 2010 to 13th July, 2014 in KVK Tamenglong District, Manipur under ICAR Research Complex for NEH Region, Manipur Centre, Imphal, Manipur.
- Internship training for six months (January, 2004 to July, 2004) in various Clinics and Disease Diagnostic Centers throughout West Bengal, India employed by Directorate of Animal Husbandry, Government of West Bengal, India

Professional Skills

MOLECULAR WORKS

- Isolation of DNA and RNA, PCR technology

- SDS-PAGE analysis, Western blotting

NUTRITIONAL LABORATORY WORKS

- Feed formulation for poultry
- Gas Liquid Chromatography
- Test of Eggs for various internal and external quality
- Post mortem of avian specie, especially chicken
- Proximate Analysis of feed sample
- Immunological techniques viz. HA, HI, AGPT
- Biochemical profile- Cholesterol, HDL, LDL, AST, ALT Total Protein, Creatinine etc.

COMPUTER SKILL

Well acquainted with Microsoft Office package particularly, in Word, Excel, Power Point; Data analysis, using SPSS software package; Adobe PageMaker; Browsing and searching web based resources through Internet Explorer.

ACHIEVEMENTS AND AWARDS

- Awarded best poster presentation award at a conference held at Guru Angad Dev Veterinary & Animal Science University, Ludhiana, in 2007..
- Institute fellowship for Ph.D programme
- Qualified NET (ICAR) examination in professional subject (Poultry Sc.)

Participation

Event	International	National	Total
• Conference	01	04	05
• Seminar/Symposium	00	02	02

Publications

Category	Published
• Research article	08
• Popular article	08
• Abstracts	09
• Lead paper	01
• Contribution in book	01

Research paper published

Hajra, D.K., Kumar Shive, Korde, J.P., Ghosh A.K. and Kumar, D. (2009). Effect of light source on growth and economics of commercial broiler production. *Indian Journal of Poultry Science*.44(2): 257-259.

Balan, V., **Hajra, D.K.**, Tyagi, P.K. and Mandal, A.B. (2009). Egg shell quality in extreme summer: The effect of methionine hydroxyl analogue (MHA) and fish meal in diet of laying hen. *Indian Journal of Poultry Science* (2009) 44(3) 396-398.

D.K. Hajra, Shive Kumar, D. Kumar, A.K. Ghosh and J.P. Korde (2009) Incandescent and fluorescent light source: stress, performance and welfare of broiler. *Indian Journal of Poultry Science* (2011) 46(3): 356-.

Ravikant Nirala, S.S.Singh, Shankar Singh, P.C.Himanshu, Raviranjan K.Sinha, Pradeep Kumar,O.P.Dinani and **Dilip Kumar Hajra**. (2010). Effect of phytase in varying level of bran diet on the performance of broiler. *Indian Journal of Poultry Science* (2010) 45(2) 229-230.

Ravikant Nirala, S.S.Singh, F.I.Shad, Pradeep Kumar and **D.K.Hajra**. (2010). Phytase supplementation to high bran diets: study of carcass traits and economics of broiler. *Indian Journal of Poultry Sci.* Accepted (Ref.: CARI/IJPS/59/2010).

D.K. Hajra, Praveen K. Tyagi, A. K. Shrivastava, A.B. Mandal, and Pramod K. Tyagi (2012). Influence of feeding manipulations and homeopathic drugs on performance and egg shell quality in laying hens during hot summer months. *Indian Journal of Poultry Sci.* 47(1): 28-35

Mandal, Mrityunjay, Laha, R., Pandit, S., Biswas, P., **Hajra, D.K.** and Sasmal, N.K. (2013). Pathology of Trypanosoma evansi infection in laboratory animals. Indian J. Vet. Pathol., 37(1) : 38-40.

D.K.Hajra, A.Suresh Kumar Meitei, S.Sinyorita and N.Prakash (2014) Performance of Vanaraja, gramapriya and desi birds in the backyard system of rearing in Manipur. Accepted in *Indian Journal of Poultry Sci.* Ref.No.: CARI/IJPS/MSIDN/26/2014.

Lead paper in National Seminar

Hajra, D.K. and Shit, N. (2006). Designer egg: A priority research area to 2020. Proceedings of National Seminar on Poultry Research Priority to 2020, Held at CARI, Izatnagar. Pp: 49-52.

Contribution in Book Chapter

Title: Poultry Science Education and Human Resource Planning For Poultry Sector.

Author cum editor: Dr. P.V.K.Sashidhar;

Membership of Professional Societies

- Indian Poultry Science Association (IPSA), Izatnagar
- West Bengal Veterinary Council, Kolkata, Regn. No. 3114

Extracurricular Activities

- Represented in the University Team to participate in the 5th All India Agricultural University Sports and Games Meet 2003-04, held at Bangalore.
- Awards & certificates for various sports and games.

Referees

Dr. Praveen K Tyagi

Principal Scientist
Division of Avian Nutrition & Feed Technology
Central Avian research Institute
Izatnagar, Bareilly – 243122
Uttar Pradesh, India
e-mail : pktyagi57@rediffmail.com

Dr. A.B Mandal, (NAAS Fellow)

Principal Scientist
Division of Avian Nutrition & Feed Technology
Central Avian research Institute
Izatnagar, Bareilly – 243122
Uttar Pradesh, India
E-mail : abmcari@rediffmail.com

Date : 22/7/2014

Place: Pundibari.

Yours sincerely

Sd/-

Dilip Kumar Hajra

CURRICULUM VITAE OF PROF. SUBHENDU BANDYOPADHYAY

- Date of Birth : 04-08-1970

a. In the rank of Professor: **7 Years**



Designation	Employer	Period of service From To	Scale of pay
Professor (Gr-5)	Vice-Chancellor, Uttar Banga Krishi Viswavidyalay, Pundibari, Coochbehar, West Bengal	10 th Dec, 2016 to till the date	37400-67000 (AGP-10000)

b. As Unit Head (HOD, In-charge etc.): **4 Years**

Name of the Department	From	To
Dept of AGRONOMY, Faculty of Agriculture, UBKV	22.01.2019	21/01/2023

c. As Establishment Head : **4 Years 5 months**

i) Was in charge of Registrar

Name of the Establishment	From	To
Registrar, UBKV	14 th March, 2016	18 th August, 2020

ii) Was in additional charge of Assistant Agronomist in KVK: 3 years

Name of the Establishment	From	To
KVK Coochbehar, UBKV	19-02-02	Till the conversion of remandated KVK to Permanent one and joining of full-fledged staff for more than three years

• Academic and Research :

A) Students Chairman:

- 1) No of M.sc Student Guided- 5
- 2) No of PhD Student Guided- 7
- 3) Scholar with ongoing M.sc programme - 1
- 4) Scholar with ongoing PhD programme – 5

B) Publication-

Total number of Publication- 50

Book Chapter- 5

C) Projects:-

- 1) As Project PI: (Principal Nodal Officer and Nodal Officer)Nos

Sl No	Title	sponsored by	Period
1.	Principal Nodal Officer of the Project on “Gramin Krishi Mausam Seva (GKMS)”	IMD, Dept of Earth and Science, GOI	Since 2015 till the date
2.	Nodal Officer of the Project on “Gramin Krishi Mausam Seva (GKMS)”	IMD, Dept of Earth and Science, GOI	Since 2005 till the date
2.	PI of the Project on “Forecasting of Agricultural Output Using Space, Agro-Meteorology and Land Based Observations (FASAL)”	IMD, Dept of Earth and Science, GOI	Since 2010-till date

ICAR sponsored “HANDS ON TRAINING ON VERMICOMPOST” is running since the year 2007

- d. As Project Co-PI:

Sl No	Title	sponsored by	Period
1.	Sustainable Rural Livelihood Development for Northern disadvantaged districts of West Bengal	NAIP, ICAR	2008-2013 (3 yrs in assessment period)

D) Research Experience-

Glimpse of few current area of Research:

- 1) Effect of tillage, mulch and vermicompost on growth and yield of maize (*Zea mays* L.) and their residual performance on blackgram (*Vigna mungo* L.) in acid soils of North Bengal
- 2) Studies on performance of rainy season rice (*Oryza sativa* L.) varieties on different dates of transplanting and impact assessment of imposed withdrawal of monsoon using CERES- Rice model.
- 3) Response of hybrid rice (*Oryza sativa* L.) to nutrient, water and crop establishment techniques during summer season (acted as a Joint Guide in Collaborative research with Viva-Bharati University).

- 4) Effect of sowing window and cultivars on Productivity of winter Maize (*Zea mays* L.)- Vegetable cowpea (*Vigna unguiculata* L. Walp) cropping system and impact assessment of climate change on maize using CSM CERES- maize.
- 5) Effect of zinc on direct seeded high yielding and transplanted indigenous rice (*Oryza sativa* L.) in North Bengal.
- 6) Comparative studies on adaptability of predominant indigenous scented rice (*Oryza sativa* L.) cultivars between conventional and non-conventional areas of North Bengal.
- 7) Quality Enhancement Of Hybrid And Quality Protein Maize (*Zea Mays* L.) Used For Poultry Feed Through Nutritional Management.
- 8) Enhancement of system productivity and efficiency through integrated Rice- Fish- Duck – Azolla culture.
- 9) Irrigation Scheduling in winter Maize (*Zea mays* L.) under different sowing windows in Sub- Himalayan region of West Bengal.
- 10) Analysis of various method of establishment under various treatment of Millet in Terai Region.

Bio-data



1. Name: Dr. Amrit Tamang
2. Designation: Assistant Professor (Senior Scale)
3. Department: Soil Science & Agricultural Chemistry
4. Educational Qualifications: Ph. D.
5. Contact Details: (a) Email id: tamang_amrit@rediffmail.com
(b) Phone/Mobile: 9083918775
6. Post held since (year): 2014
7. Area of Specialization : Soil chemistry, Fertility, Nutrient management & Nutrient physiology
8. Project Association : Four (PI) & Nine (Co-PI)
9. No. of Publications:
Research Papers: 12 Book Chapters: 07 Books: 01 (NIPA Publication)
Monograph: 04 Research article: 03

Few Recent Research Papers:

- Assessment of nutrient management technology for Broccoli to improve productivity and quality, and soil resources in the subtropics by **Amrit Tamang**, Ipsita Das, Kaushik Batabyal, Dibyendu Sarkar, Sidhu Murmu, Biswapati Mandal, Gora Chand Hazra and Ranjan Bhattacharyya. *International Journal of Vegetable Sciences*. Vol. 23, No. 2, 102-124 (2017)
- Development of Analytical Method for Soil Organic Carbon; Rapid, Reliable, user-Friendly and Economical for Remote Areas. **Amrit Tamang**, Partha Sarathi Patra, Parimal Panda, Manoj Kanti Debnath, Gobinda Mula and Ranjan Kumar Basak. *Asian Journal of Soil Science* Vol 13 No. 1, (June, 2018).
- Influence of enriched organic manure, biostimulants and bio-mulches on organic okra (*Abelmoschus esculentus*). Subha Laxmi Mishra, Ranjit Chatterjee, **Amrit Tamang** and Koushik Saha. *Indian Journal of Agricultural Sciences* .90 (6): 1115–9 (June 2020)
- Effect of Soil Particle Sizes on Determination of pH, Oxidizable Organic Carbon and Available Phosphate. Amrit Tamang, Hriday Kamal Tarafder, Sagar Tamang and Ranjan Kumar Basak. *International Journal of Plant & Soil Science*. 32(12): 46-51; (2020)
- Improving Crop Productivity and Soil Quality Through Soil Management Practices in Coastal Saline Agro-ecosystem. Tarik Mitran, Nirmalendu Basak, Pabitra kumar Mani, **Amrit Tamang**, Durgesh Kumar Singh, Sunanda Biswas and Biswapati Mandal. *Journal of Soil Science and Plant Nutrition*. 21: 3514-3529 (2021)

10. Awards /Honors: 3

- **Fellow of the Society:** Academy for Environment and Life Science, Agra, (Jan 2018).
- **Young Agriculture Scientist Award** by Biologix Research and Innovation Center (BRICPL) and Biotechnology Society of Nepal (BSN) at International Conference, **JNU**, New Delhi (April, 2018)
- **Young Scientist Award** by Cooch Behar Association for Cultivation of Agricultural Sciences, UBKV, Coochbehar (17th Jan 2019)

11. Professional Society Life Membership: 2

12. Associate Editor of National and International Journal:

- Journal Chemical and Environmental Sciences
- International Online Journal- Bulletin of Environment, Pharmacology and Life Sciences
- Journal of Soil Salinity and Water Quality

13. Previous working Experience:

- **Doctoral Research Fellow:** Three years Doctorate of Philosophy research work in Integrated Nutrient Management, Plant nutrition and Quality of some important vegetable crops with a topic “Integrated Nutrient Management for Improvement of Yield and Quality of Tomato (*Lycopersicon esculentum* Mill.), Pointed gourd (*Trichosanthes dioica* Roxb.) and Broccoli (*Brassica oleracea* var. *italica* Plenck.)” under the Chairmanship of Professor Biswapati Mandal, Bidhan Chandra Krishi Viswavidyalaya.
- **Scientist, SMS Soil Science (KVK):** Worked and gathered the experience of research and extension in farmers’ field as a Scientist (Soil Science) in KVK, Divyodaya, Chebri, Tripura in 2012.
- **Assistant Professor (OUAT):** Served as an Assistant Professor, performed as an incharge examination cell and guided a student as a Co-chairman in Orissa University of Agriculture and Technology, Dept. of Soil Science & Agricultural Chemistry from July, 2012 to July, 2014.
- **Assistant Professor (UBKV):** Working as an Assistant Professor and handling different teaching, research and extension activities at UBKV from July 2014 to till date. Continue*
- **Dean Student’s Welfare (Administration, UBKV):** Performing the administrative duties of a Dean student’s welfare at UBKV from August 2014 to December 2017.

14. Academic Supervising Experience:

- Chairman of Doctoral Degree students. Ongoing (04)
- Chairman of Master Degree students. Awarded (05) Ongoing (03)

15. Expert/Extra curricular Activity:

- **Ex-officio member-secretary (2014 to 2017) of Council of student's welfare**, which is policy making body in regards to the welfare, healthcare, amenities, accommodation, conduct and discipline of the students.
- **Convener of the tutorial/Coaching** classes of SC/ST students for personality development in WBCS & Banking services.
- **Members of Development and planning cell (2014-2017)**, Anti-ragging committee, admission committee, Anti-ragging squad, Hostel management committee, campus counseling and placement cell etc.
- Acted as a **Returning Officer (2014 to 2017)** to conducted the election of central students union, UBKV

Short CV



Sl.	Particulars	Details
1.	Name	Dr Shovik Deb
2.	Designation	Assistant Professor
3.	Department	Soil Science and Agricultural Chemistry
	Educational Qualifications	PhD
5.	Contact details	(a) Email id shovik@ubkv.ac.in ; shovikiitkgp@gmail.com
	(b) Phone/Mobile	94346 85382, 62947 27155
6.	Post held since (year)	2014
7.	Area of Specialization	i) Soil ecology and soil pollution ii) Application of remote sensing in natural resource management and modelling
8.	No. of Publications: Research Papers: 30 Book Chapters: 6	
9.	Awards /Honors:	
	Name of award	Awarding agency year
A	Elected Associate of West Bengal Academy of Science and Technology	WAST 2021
B	Attended seminar cum workshop in Georg-August Universität, Göttingen, Germany	Funded by DAAD 2017
C	Attended 4 th International SOM conference in China	Funded by DST 2013
D	Received short-term fellowship to do a part of PhD research in Helmholtz UFZ, Halle (Saale), Germany	DAAD 2011
E	Qualified NET in Soil Science	ICAR 2009, 2010
F	Received Zonal Award for best MSc thesis in Soil Science	ISSS 2009
G	Received JRF, SRF and qualified NET in Earth Science	CSIR 2008
H	Received JRF in Physical Science	ICAR 2006
I	Received Jagadis Bose National Science Talent Search scholarship	JBNSTS 2001

10. Publications (Best ten):

- Sarkar, A., **Deb, S.***, Ghosh, S., Mandal, S., Quazi, S. A., Kushwaha, A., Hoque, A., Choudhury, A. (2021) Impact of anthropogenic pollution on soil properties in and around a town in Eastern India. *Geoderma Regional* 28: e00462. [Elsevier] *Impact Factor: 2.807*
- Deb, S.***, Mandal, B. (2021) Soils and sediments of coastal ecology: a global carbon sink. *Ocean and Coastal Management* 214: 105937. [Elsevier] *Impact Factor: 3.284*
- Deb, D., **Deb, S.***, Chakraborty, D., Singh, J.P., Singh, A.K., Dutta, P., Choudhury, A. (2020) Aboveground biomass estimation of an agro-pastoral ecology in semi-arid Bundelkhand region of India from Landsat data: A comparison of support vector machine and traditional regression models. *Geocarto International*, Online First. [Taylor & Francis] *Impact Factor: 4.889*
- Deb, S.***, Mandal, B., Bhadoria, P.B.S. (2020) Influence of sea water ingression on carbon sequestration in soils under coastal agro-ecosystems of Eastern India. *Agricultural Research* 9: 622-630. [Springer]
- Deb, S.**, Kumar, D., Chakraborty, S.*, Weindorf, D.C., Choudhury, A., Banik, P., Deb, D., De, P., Saha, S., Patra, A.K., Majhi, M., Naskar, P., Panda, P., Hoque, A. (2019) Comparative carbon stability in surface soils and subsoils under submerged rice and upland non-rice crop ecologies: A physical fractionation study. *Catena* 175: 400-410. [Elsevier] *Impact Factor: 5.198*
- Deb, S.***, Mandal, B., Bhadoria, P.B.S., Schulz, E., Ghosh, S., Debnath, M.K. (2018) Microbial biomass and activity in relation to accessibility of organic carbon in saline soils of coastal agro-Ecosystem. *Proceedings of the National Academy of Sciences India Section B: Biological Sciences* 88: 633-643. [Springer] *Impact Factor: 0.40*
- Deb, S.***, Debnath, M.K., Chakraborty, S., Weindorf, D.C., Kumar, D., Deb, D., Choudhury, A. (2018) Anthropogenic impacts on forest land use and land cover change: Modelling future possibilities in the Himalayan Terai. *Anthropocene* 21: 32-41. [Elsevier] *Impact Factor: 3.964*
- Deb, D., Singh, J.P., **Deb, S.***, Datta, D., Ghosh, A., Chaurasia, R.S. (2017) An alternative approach for estimating above ground biomass using Resourcesat-2 satellite data and artificial neural network in Bundelkhand region of India. *Environmental Monitoring and Assessment* 189: 576. [Springer] *Impact Factor: 2.513*
- Deb, S.**, Chakraborty, S.*, Weindorf, D.C., Murmu, A., Banik, P., Debnath, M.K., Choudhury, A. (2016) Dynamics of organic carbon in deep soils under rice and non-rice cropping systems. *Geoderma Regional* 7: 388-394. [Elsevier] *Impact Factor: 2.807*
- Deb, S.***, Ahmed, A., Datta, D. (2014) An alternative approach for delineating eco-sensitive zones around a wildlife sanctuary applying geospatial techniques. *Environmental Monitoring and Assessment* 186: 2641-2651. [Springer] *Impact Factor: 2.513*

11. Projects handled as PI and Co-PI (Externally funded)

As Principle Investigator

- Project: Mapping of Carbon Stocks and Pools in Soils of Northern Part of West Bengal(Ongoing)
Funding agency: Department of Science & Technology and Biotechnology, Government of West Bengal
- Project: Large-scale estimation of above-ground jute biomass and yield in major growing regions of North Bengal and adjoining areas (Completed)
Funding agency: Space Application Centre, Indian Space Research Organization
- Project: Below-ground Deep Carbon Stabilization in Soils under Long-term Rice Ecology (Completed)
Funding agency: Science and Engineering Research Board
- Project:Use of Hyperspectral Diffuse Reflectance Spectroscopy Sensors for Rapid Assessment of Soil Quality (Completed)
Funding agency: Indian Council of Agricultural Research
- Project: Retrieval of Biophysical Parameters in Buxa Tiger Reserve using GISAT(Completed)
Funding agency: Space Application Centre, Indian Space Research Organization

Faculty Profile and Credential



Title : Dr.
Name : Gobinda Mula
Father's Name : Late Bijay Mula
Present designation : Assistant Professor (Stage –II)
Present address : 4th Floor, Flat No. E2, Tarubala Mansion, Doctor's Lane, Cooch Behar
Permanent address : Berabere, Baradongal, Arambagh, Hooghly
Tel./Fax No. :
Mobile No. : 8293405264
Date of birth : 02-01-1980
Caste : UR
Marital status : Married

Academic qualification:

Degree	Year	Institution/ Board	Area of Specialization	Percentage of Marks
PhD	2012	UBKV	Agricultural Economics	87.50
PG	2005	UBKV	Agricultural Economics	91.60
UG	2003	UBKV	Agriculture	77.70
HS (10+2)	1998	WBCHSE	Science	75.30
Madhyamik (10th)	1996	WBBSE	-	80.66

Teaching experience and associated courses:

9 years plus

UG Course:

Sl. No.	Course code	Course Name	Credit	Faculty	Semester/ Terms
1.	ECO 101	Fundamentals of Agricultural Economics	2+0	Agriculture	1 st
2.	ECO 201	Agricultural Finance & Cooperation	1+1	Agriculture	3 rd
3.	ECO 201	Agricultural Marketing , Trade & Price	2+1	Agriculture	4 th
4.	ECO 301	Intellectual Property Rights	1+0	Agriculture	5 th
5	ECO - 352	Horti-business Management	2+1	Horticulture	6 th
6	AG-151	Entrepreneurship Development and Business Management	2+1	Technology	2 nd

PG Course:

Sl. No.	Course code	Course Name	Credit	Faculty
1.	AGECON 502	Macro Economics and Policy	2+0	Agriculture
2.	AGECON 503	Evolution of Economic Thought	0+1	Agriculture
3.	AGECON 509	Agricultural Finance and Project Management	2+1	Agriculture
4.	AGCC 503	Intellectual Property and its Management in Agriculture	1+0	Agriculture
5	AGECON 515	Rural Marketing	2+0	Agriculture
6	AGECON 518	Commodity Futures Trading	2+0	Agriculture

PhD Course:

Sl. No.	Course code	Course Name	Credit	Faculty
1.	AGECON 602	Advanced Macro-Economic Analysis	2+0	Agriculture
2.	AGECON 607	Commodity Futures Trading	2+0	Agriculture

Other academic activity :**Previous working Experience:**

- a) **Research Associate** (23.12.2008 to 27.02.2014) of NAIP, Component-III entitled Sustainable Rural Livelihood Empowerment Project for Northern Disadvantaged Districts of West Bengal' at UBKV
- b) **Agricultural Marketing Officer (Jute Grading)** (28.02.2014 to 30.05.2014) in the Dept. of Agricultural marketing, Howrah, Govt. of West Bengal
- c) **Assistant Professor-stage-II (Teaching)** From 02.06.2014 still continuing at UBKV

Academic Supervising Experience:**UG:**

Sl. No.	Year	Title of project report

PG:

Sl. No.	Year	Title of thesis
1	2016-2018	Economic Analysis of Seed Production of major crops in Terai Zone of West Bengal
2	2019-2021	Economic Analysis of Production and Marketing of Organic Ginger in Hill Zone of West Bengal
3	2021-2023	Economic Analysis of Production and Marketing of Garlic in Terai districts of West Bengal

PhD:

<i>Sl. No.</i>	<i>Year</i>	<i>Title of thesis</i>
1	2021	Economics of Agri-Preneurship and Value Chain Management of in Lower Gangetic Plain Region of West Bengal (Continuing)

Project Exposure and Consultancy:

- a. **Co-PI of the project entitled** “Promotion of Oilseed Crop in Northern Districts of West Bengal for Livelihood Security of Small and Marginal Farmer” under National Mission for Oilseed and oil Palm, Dept. of Agriculture and Cooperation, Ministry of Agriculture & Farmers’ Welfare, Govt. of India
- b. **Co-PI of the project entitled** “To evaluate the bio efficacy and phytotoxicity of Carfentrazone ethyl 40% DF against flora in Wheat” funded by M/S Krishi Rasayan Exports Pvt. For one year starting from October, 2017
- c. **Co-PI of the project entitled** “Preparation of District Human Development Report of Cooch Behar district issued by District Magistrate of Cooch Behar, West Bengal funded by Department of planning, Govt. of West Bengal through office of the District Magistrate, Cooch Behar for one year starting from July 2018.
- d. **Co-PI of the project entitled** “Evaluate the effectiveness of Danza Power on growth and yield of Tea” funded by Sumitomo Chemicals Co. Ltd for one year starting from December 2019.
- e. **Co-PI of the project entitled** “STI Hub as a Platform for socio-economic Development of target schedule Caste Communities of Terai and Dooars Region of West Bengal” funded by DST, Govt. of India three years starting from December 2020 (continuing)

Academic Society Association: Life member of

1. Cooch Behar Association for Cultivation of Agricultural Sciences
2. Society of Agricultural Economics and Research Association (AERA)
3. Indian Society of Extension Education

Training Course coordination:**Administrative experience:****Extracurricular Activity:****University literature publication:****Rural Agricultural Work Experience involvement:**

1. Member of Local level Management of RAWA each year from 2016 -17 to 2021-22
2. Joint Convener of Student Ready Programme (SRP) from 2022-23 to 2023-24

Resource person:

1. Acted as Resource Person to skill development training on Financial Management of Vermicompost in Faculty of Horticulture, UBKV in 2018-19
2. Acted as Resource Person to skill development training on Vermicompost Production in Faculty of Horticulture, UBKV in 2019-20.
3. Acted as Resource Person of DAESI program of KVK, Kalyan, Purulia through online mode on 03.10.2020
4. Act as Resource person to guide RAWI students of SGVU, Rajasthan at Cooch Behar KVK
5. Act as Resource person to guide RAWI students of Uttaranchal University at Cooch Behar KVK 23.08.
6. Act as Resource person to guide RAWI students of Neotia University at Cooch Behar KVK 24.09.21
7. Acted as Resource Person to skill development training on Market Opportunity and Value Addition of Medicinal Plants at Basundhara Farmer's Club on Producer 18th Feb., 2020
8. Acted as Resource Person of DAESI program of Jalpaiguri KVK on 20.09.22
9. Act as Resource person in the Internship programme at Cooch Behar KVK on 12.10.2022
10. Acted as Resource Person of DAESI program of KVK, Cooch Behar on 09.11.2022

Reviewer:

1. Review of journal of International Journal of Bio-resource and Stress Management
2. Review of journal of Asian Journal of Agricultural Extension, Economics & Sociology
3. Review of journal of Crop & Weed
4. Review of International Journal of Environment and Climate Change

Training Programme Participation:

1. Training on **'Efficiency Enhancement in e-information Management'** under National Agricultural Innovation Project (NAIP), Component – III conducted by ONS Online Data Systems Pvt. Ltd., New Delhi held with the assistance of eminent scientist Dr. Naresh Kotoch, in-charge of PG school, IARI, New Delhi at Old KVK conference Hall, UBKV from 22nd March to 23rd March, 2013.
2. Winter School (21days) on **"Role of Agribusiness and Market Intelligence for Sustainable Agriculture Development"** sponsored by ICAR, New Delhi, organized by Dept. of Agricultural Economics, Nagaland University, School of Agricultural Sciences and Rural Development (SASRD), Medziphema Campus, Dimapur from 06 to 26 September, 2016
3. Winter school on **"Dynamics of Entrepreneurial Development for Empowering Rural Youth in Agriculture"** sponsored by ICAR, New Delhi, organized by College of Agriculture, Odisha University of Agriculture and Technology (OUAT), Bhubaneswar, Odisha from 07 to 27 February, 2019

4. Short course on **“Doubling farmers’ income and livelihood and livelihood security: role of contemporary technological intervention”** sponsored by ICAR, New Delhi, organized by Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar, West Bengal from 04 to 13 February, 2020
5. Online MOOCs on **“Market-led Extension”** organized by MANAGE, Hyderabad, Telangana, from 14 to 23 August, 2020
6. Online Training course on **“Research Methodology for Social Sciences”** organized by Centre for Agricultural Market Intelligence, Anand Agricultural University, Anand from 01 to 11 September, 2020
7. Online Training Programme on **“Empowerment and Entrepreneurial Development in Agriculture”** sponsored by Department of Science and Technology (DST), organized University of Agricultural Sciences, Bangalore from 9 to 13 November, 2020.

Scholarships/Fellowships:

Award: Recipient of OUTSTANDING PARTICIPANT award of winter school held from 6 to 26 September, 2016 organized by Nagaland University, School of Agricultural Sciences and Rural Development and sponsored by ICAR

External expert:

Publication:

Full Papers in International Journal: (in numbers): 5 nos.

Full Papers in National Journal : 14 nos

Review paper:2 nos

Research note/ short communication in National Journal:

Extension Literature/Article:

Proceedings paper:

Book Chapters: (One)

Books: 1 (One)

Abstract published: 3 nos

List of Publications (Citation style)

A. Research Papers in International Journal:

1. **G. Mula**, S. C. Sarker and P. K. Pal (2012): Financial Institutions in the perspective of Microfinance: An experiment from Eastern India; *Asian Journal of Research in Social Science and Humanities*, 2(5):197-208
2. P. S. Patra, B. Sinha, B. Paramanik and **G. Mula** (2012): Agronomic efficiency, partial factor productivity and seed yield of groundnut (*Arachis Hypogaeae L.*) as influence by different sources of organic manures; *International Journal of Bio-resource and Stress Management*, 3 (2):173-176
3. Patra P. S., **Mula G.**, Paramanik B., Sarker S. C. and Sarkar A. (2012): Assessing the economic and social consequences of sustainability of rural livelihood in North East India; *African Journal of Agricultural Research*, 7(33):4660-4668
4. **Mula G.** and Sarkar S. C. (2013): Impact of Microfinance on Women Empowerment: An economic analysis from Eastern India; *African Journal of Agricultural Research*, 8(45): 5672-5683.
5. **G. Mula**, S. C. Sarker and A. Sarkar (2016): Assessment of livelihood models aims to sustainable socio-economic empowerment of rural community – A study in West Bengal, *International Journal of Agricultural Sciences*, 8(6):1036 – 1041
6. Amrit Tamang, Partha Sarathi Patra, Parimal Panda, Monoj Kanti Das, **Gobinda Mula** and Ranjan Kumar (2018): Development of analytical method for soil organic carbon, rapid, reliable, user-friendly and economical for remote areas, *An Asian Journal of Soil Science*, 13(1):70-75
7. **Gobinda Mula**, Nityananda Layek and Bidhan Roy (2019): Economics of Rice Seed Production and Marketing – A Study in Terai Zone of West Bengal, India, *International Journal of Current Microbiology and Applied Sciences*, 8(12): 439 – 453.
8. Nityananda Layek and **Gobinda Mula** (2021): Economics of Potato Seed Production– an Analytical Study from Terai Zone of West Bengal, *International Journal of Economic Plants* 2021, 8(3):149-155.
9. Bhutia D. and **Mula G.** (2022): Marketing strategies and constraints perceived by farmers in adoption of organic ginger cultivation-a case study in hill zone of West Bengal, *International Journal of Agriculture Sciences*, 14(6):11419-11423.

B. Research Papers in National Journal:

1. **G. Mula**, S. C. Sarker and A. Sarkar (2006): Status of self-help groups (SHGs) under Swarna Jayanti Gram Swarojgar Yojana (SGSY) scheme in Cooch Behar District of West Bengal. *Economic Affairs*, 51 (4): 248-251.
2. **G. Mula**, S. C. Sarker and A. Sarkar (2008): Performance of some selected SHGs in Inter-loaning in Block-II of Cooch Behar District, West Bengal. *Economic Affairs*, 53 (3): 149-156.

3. S. C. Sarker, P. S. Patra, **G. Mula** and B. Paramanik (2011). A study on wheat cultivation under zero tillage and conventional tillage practices. *Journal of Crop and Weed*. **7**(1): 33-36.
4. **G. Mula**, S. C. Sarker, P. S. Patra and B. C. Mahato (2012). Inter-loaning strategies in Microfinance: A Case Study in Cooch Behar Districts of West Bengal. *Environment and Ecology*. **30** (1): 45-51
5. **Gobinda Mula**, S. C. Sarker, Patra Sarathi Patra & Asutosh Sarkar (2012): Micro-finance Scenario of Eastern part of India under SGSY; *Journal of Agricultural and Biological Science*. **7**(3):183-186
6. **G. Mula**, S. C. Sarker, A. Sarkar & P. S. Patra (2012): Demographic characteristics and entrepreneurship development by Self-Help-Groups (SHGs) – A case study in Cooch Behar District of West Bengal, *Journal of Interacademia*, **16**(1):172-184
7. **G. Mula** & S. C. Sarker (2013): Impact of Improved Agro-techniques on Sustainable Livelihood Empowerment: An Economic Study from West Bengal; *Agricultural Economic Research Review*, **26** (Conference Number):129 – 137 Citation CCG:2
8. **G. Mula** & S. C. Sarker (2013): Performance of Different Financial Institutions in the Perspective of Microfinance in Sitai Block of West Bengal, *Economic Affairs*, **58** (3): 229 – 237.
9. **G. Mula**, P.S. patra, S. C. Sarker, B. Paramanik and P. Panda (2014): Impact of improved backyard production system on livelihood empowerment; *Journal of Crop and Weed*, **10**(2):340 – 344
10. **G. Mula**, S. C. Sarker and A. Sarkar (2015): Agri-business potentiality in Arecanut Processing – A study in the North Bengal districts of West Bengal, *Economic Affairs* , **60** (4):609-6015
11. **G. Mula**, S.C. Sarker and A. Sarkar (2018): Value addition and economics of Arecanut processing plant – A study from North-Eastern India, *Indian J. Hort.* **75**(2), June 2018: 295-305
12. **G. Mula**, S. C. Sarker and S. Mondal (2020): Economics of agribusiness in arecanut processing – an analytical study in Terai Zone of West Bengal, *Journal of Crop and Weed*, **16**(1): 66-77
13. Nityananda Layek, **Gobinda Mula**, Ashutosh Sarkar and Bidhan Roy (2021): Economics of Mustard Seed Production - An Analytical Study from Terai Zone of West Bengal, *Indian Journal of Extension Education*, **57**(2):78 – 85.
14. Dawjam Bhutia, **Gobinda Mula** and Ashutosh Sarkar (2022): Trends in Production and Export Potential of Ginger in India, *Economic Affairs*, **67** (04): 497-504

C. Review paper:

1. Mondal Sabita, Pal P.K., Das Litan, Chakraborty Subhojit and **Mula G. (2019):** Genesis and Approaches of Crop Insurance Schemes in India, *International Journal of Agricultural Sciences and Veterinary Medicine*, **7(1):** 28 - 30
2. Sabita Mondal, P.K. Pal, L. Das, **G. Mula**, S. Chakraborty and S. Panda (2019): Impact of microcredit on farmers' income, *International Journal of Science, Environment and Technology*, 8(3), 613 – 618.

D. Research Notes/Short Communication in National Journal:

E. Conference Proceedings:

F. Extension literature/Article:

G. Book Chapters:

S. C. Sarker, P.S. Patra, **G. Mula** and B. Paramanik (2015): Impact of Improved Agro-Techniques Towards Food and Livelihood Security in **Diversification of Agriculture in Eastern India**, *Springer*: 207 – 214

H. Books:

Gobinda Mula and Satyendra Chandra Sarker (2014): Microfinance and Women Empowerment in India; Performance and Prospects; Lambert Academic publishing, Deutschland / Germany; 149 pages. ISBN: 978-3-659-66372-7 published on 2014 -12-19

Declaration

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

Place : Coochbehar

Gobinda Mula
(Signature)

Faculty Profile and Credential



Title : Dr.
Name : Nonigopal Shit
Father's Name : Late Gobinda Prasad Shit
Present designation : Assistant Professor (Animal Science)
Present address : RRS-TZ, UBKV, Pundibari, Cooch Behar
Permanent address : Vill. Barabhagia, P.O. Hatbaincha, Dist. Purba Medinipur 721422
Tel./Fax No. : Nil
Mobile No. : +91-8016163138
Date of birth : 04.03.1982
Caste : UR/SC/ST/OBC
Marital status : Married

Academic qualification:

Degree	Year	Institution/ Board	Area of Specialization	Percentage of Marks
PhD	2011	IVRI	Poultry Science	85.50
PG (MVSc)	2007	IVRI	Poultry Science	86.80
UG	2005	WBUAFS	Vety. Science	73.70
HS (10+2)	2000	WBCHSE	Science	76.20
Madhyamik (10 th)	2005	WBBSE	All subjects	79.25
NET qualified	2007	ICAR	Poultry Science	-
Any other	2022	IGNOU	PGDAW	84.50

Teaching experience and associated courses:

- **UG Course:** AGR 253 Livestock and Poultry Management I 1+1
- AGR 302 Livestock and Poultry Management II 1+1
- AGR 405 Organic farming 1+1
- AGR 151 Crop Production Technology-I (Kharif-I) 1+1
- AGR 251 Crop Production Technology-III (Kharif-II) 2+1
- PFE 351 Agricultural structures and Environmental control 2+1
- PFE 251 Agricultural structures and Environmental control 2+1

PG Course:

- AGRON 515 Cropping system and sustainable agriculture 2+0

PhD Course:

Other academic activity:

- Paper setter
- External Examiner
- Guest Lecturer

Previous working Experience:

Veterinary Officer, DAHVS, ARD Department, GoWB

Academic Supervising Experience:**UG: Nil**

<i>Sl. No.</i>	<i>Year</i>	<i>Title of project report</i>
1		

PG:

<i>Sl. No.</i>	<i>Year</i>	<i>Title of thesis</i>
1	2023	Impact of organic sources of nutrients on the performance of summer rice (<i>Oryza sativa</i> L.)

PhD: Nil

<i>Sl. No.</i>	<i>Year</i>	<i>Title of thesis</i>

Project Exposure and Consultancy:

Position	Title of the project	Funding authority	Duration	Remark
Co-PI	Setting up model genome club in the State of West Bengal under RKVY - RAFTAAR	RKVY	2.0 Years	On-going
PI	Augmentation of production performance in Khaki Campbell duck through low cost dietary manipulation under semi-intensive system	Director of Research, UBKV	1.5years	Completed
PI	Scientific evaluation and cost-benefit analysis of duck rearing system special emphasis to socio-economic up-liftment through women empowerment	NABARD	02	Completed
Co-PI	Image based identification of small animals i.e. pig & goat	ITRA, Asia Lab	02 years	Completed
Co-PI	Socio-economic development of weaker sections through piggery	RKVY	3 years	Completed

Academic Society Association:

1. All India Agricultural Students Association (AIASA), ID- AIASA/UBKV/OL/AM-45/2020
2. Cooch Behar Association of Cultivation of Agricultural Sciences (COBACAS)
3. Indian Poultry Science Association, CARI, Izatnagar, Bareilly, 243122 (UP)
4. Society for Animal Physiologists in India, Bangalore, India
5. West Bengal Veterinary Council, 68 Belgachia Road, Kolkata-37
6. Veterinary Council of India, A-Wing, A.K. Bhawan, Bhikaji Cama Place, New Delhi

Training Course coordination:

1. Course co-ordinator “Scientific Pig Farming: an initiative for sustainable rural livelihood in Terai-Dooars region of West Bengal” from 3-6th March, 2020 (Residential). Organized by Cooch Behar KVK & RRS-TZ, UBKV.
2. Course coordinator “Backyard goat farming as an alternative livelihood generation option” from 12-13th March, 2020 (Residential). Organized by Cooch Behar KVK, UBKV.
3. Course coordinator “Backyard duck rearing for alternative livelihood generation option” from 11-12th March, 2020 (Residential). Organized by Cooch Behar KVK, UBKV.
4. Course coordinator “Goat Farming: the best alternatives for livelihood generation” from 23-25th September, 2019 (Residential). Organized by Cooch Behar KVK, UBKV.
5. Course coordinator “Scientific Pig Farming for self-employment” from 26-28th August, 2019 (Residential). Organized by Cooch Behar KVK & RRS-TZ, UBKV.

Administrative experience:

Designation	Institution	From	To
Veterinary Officer	ARD Department, GoWB	22.11.2010	14.12.2015
Assistant Registrar (Actg)	Uttar Banga Krishi Viswavidyalaya	19.07.2021	Till date

Extracurricular Activity:

1. Cultural events (songs) and organization
2. Awards & certificates for sports special interest to *Football*

University literature publication: Nil

Rural Agricultural Work Experience involvement: YES, as instructor for **Animal Science**

Resource person: 45 training programme

Reviewer: 08 National/International Journals

Training Programme Participation: 14 nos. of professional training programme

Scholarships/Fellowships:

- ICAR – JRF
- ICAR – SRF
- Rajib Gandhi National Fellowship - GoI

Award:

Award	Awarding agency	Year
Gold Medal	IGNOU, New Delhi	2022
Distinguished Scientist Award	Vigyan Varta	2021
Outstanding presentation in 6 th National Youth Convention	AIASA, New Delhi	2021
Research Excellence Award	Society for Biotic and Environmental Research	2020
Outstanding paper presentation in 4 th Regional Science & Technology Congress, Alipurduar College, Alipurduar	Dept. of Science & Technology and Biotechnology, Govt. of WB	2019
Outstanding paper presentation in 3 rd Regional Science & Technology Congress, JGEC, Jalpaiguri	Dept. of Science & Technology and Biotechnology, Govt. of WB	2018
Top-25 award for Young Scientist in Animal Science	Education Expo, New Delhi	2018
Young Faculty Award in Anim. Sc	Education Expo, New Delhi	2018
Young Scientist in Animal Science	Venus International Foundation	2017
Best article award	Tejasvi Publication	2010

External expert:

Department of Animal Science, PSB, Visva-Bharati, Santiniketan, Birbhum

Publication: 30nos.

Full Papers in International Journal: (in numbers) 09nos.

Full Papers in National Journal: 19nos.

Review paper: 03nos.

Research note/ short communication in National Journal: Nil

Extension Literature/Article: 13nos.

Proceedings paper: 05nos.

Book Chapters: 03nos.

Books: Nil

Abstract published: 30nos.

List of Publications (Citation style)

A. Research Papers in International Journal:

1. N. Shit, K.V.H. Sastry, R.P. Singh, N.K. Pandey, J. Mohan (2014). Sexual maturation, serum steroid concentrations, and mRNA expression of IGF-1, luteinizing and progesterone hormone receptors and survivin gene in Japanese quail hens. *Theriogenology*, **81(5)**: 662-668.
2. N. Shit, R. P. Singh, K. V. H. Sastry, R. Agarwal, R. Singh, N. K. Pandey and J. Mohan. (2012). Effect of dietary L-ascorbic acid (L-AA) on production performance, egg quality traits and fertility in Japanese quail (*Coturnix japonica*) at low ambient temperature. *Asian Australasian Journal of Animal Science*, 25(7): 1009-1014.
3. Shit, N., Singh, R.P., Sastry, K.V.H., Mohan, J., Pandey, N., Moudgal R.P. (2010). Cloacal gland size significantly alters semen production, sperm activities and fertility in different lines of Japanese quail (*Coturnix coturnix japonica*). *Asian Journal of Poultry Science*, 4(4): 190-197.
4. N.K. Pandey, R.P. Singh, V.K. Saxena, N. Shit, R. Singh, R.K. Sharma, K.V.H. Sastry. (2013). Effect of IGF1 gene polymorphism and expression levels on growth factors in Indian colored broilers. *Livestock Science*, 155: 157–164.
5. R. P. Singh, K.V.H. Sastry, N. Shit, N.K. Pandey, K. B. Singh, J. Mohan, R.P. Moudgal. (2011). Cloacal gland foam enhances motility and disaggregation of spermatozoa in Japanese quail (*Coturnix japonica*). *Theriogenology*, 75: 563–569.
6. R. P. Singh, Sastry, K.V.H, Shit, N, Pandey, N.K, R. Agarawal, Singh, K. B, Jagmohan, V. K. Saxena and Moudgal, R.P. (2011). Characterization of lactate dehydrogenase enzyme from semen of Japanese quail (*Coturnix japonica*). *Theriogenology*, 75: 555-562.
7. J. Mohan., Singh, R.P., Sastry, K.V.H., Moudgal, R.P., Biswas, A. and Shit N. (2011). Influence of chicken native breeds on some physical and biochemical characteristics and short-term storage of semen. *British Poultry Science*, 52 (3):395-400.
8. R. P. Singh, K.V.H. Sastry, N.K. Pandey, N. Shit, Radha, R. Singh, S. K. Sharma, V. K. Saxena, and J. Mohan. (2011). Molecular characterization and expression of Lactate Dehydrogenase A and B mRNA in testes of Japanese quail (*Coturnix japonica*). *Asian Australasian Journal of Animal Science*, 24(8): 1060-1068.
9. Sunderason, N., Anish, D., Sastry, K.V.H., Saxena, V., Nagarjan, K., Subramani, J. S., Leo Marie, D., Shit, N., Mohan, J., Saxina, M. and Ahmed, K. A. (2008). High doses of dietary zinc induce cytokines, chemokines and apoptosis in reproductive tissues during regression. *Cell and Tissue Research*, 332 (3): 543-554.

B. Research Papers in National Journal:

1. N. Shit, K.V.H. Sastry, G. Singh, R.P. Singh, and J. Mohan. (2022). Reproductive tissue regression, sex steroids and mRNA expression of IGF-1, Survivine, Caspase 2 and HSP 70 gene in the ovarian follicles of Japanese quail during stress. *Indian Journal of Animal Research*. **56(7)**: 822-829.
2. Mandal, S.N., Ghosh, P., Shit, N., Hajra, D., and Banik S. (2021). A Framework for Selection of Training Algorithm of Neuro-Statistic Model for Prediction of Pig Breeds in India. *Vietnam Journal of Computer Science*. **8(1)**: 1-23.
3. N. Shit, K.V.H. Sastry, G. Singh and J. Mohan (2020). Effect of L-ascorbic acid and Alpha-tocopherol on ovarian regression, hormonal changes and gene expression in Japanese quail during stress. *Exploratory Animal and Medical Research*, **10(1)**: 32-41.

4. **Nonigopal Shit**, Dilip Kumar Hajra, Mrityunjay Mandal, Rupsanatan Mandal, Suprakash Pal and Ashutosh Sarkar (2018). Epidemiological studies for strategic control of gastrointestinal helminths in cattle population under sub-Himalayan Terai Zone of West Bengal. *Journal of Entomology and Zoology Studies*, **6(5)**: 270-276
5. A. Debbarma, S. Pandit, R. Jas, S. Baidya, S.C. Mandal, L. Ralte, P.S. Jana and **N. Shit** (2017). Haematological impact of naturally occurring tick borne haemoparasitic infections in cattle of West Bengal. *Exploratory Animal and Medical Research*, **7(2)**: 175-178.
6. G. Patra, S. Majhi, **N. Shit** and S. Biswas (2017). Effect of soya protein (soy crumbles) on the microbiological and sensory attributes of chicken meat powder. *Journal of meat science and technology*, **5(1)**: 9-15.
7. **N. Shit**, K.V.H. Sastry, G. Singh, R. Mandal and J. Mohan. (2017). Studies on metabolic hormones, sex steroids and mRNA expression of caspase 2, Bcl-XL gene in ovarian follicles of Japanese quail hens during stress. *Indian Journal of Poultry Science*, **52(1)**: 70-75.
8. Rupsanatan Mandal, Suprakash Pal and **Nonigopal Shit** (2017). Unlocking Genetic Diversity in Selected Chickpea Genotypes using Morphological and Molecular Markers. *Current Agriculture Research Journal*, **5(1)**: 50-57.
9. **N Shit**, D.K. Hajra and S Baidya (2017). Seasonal occurrence of gastrointestinal helminth parasites in cattle and buffaloes in Bankura district, West Bengal, India. *Exploratory Animal and Medical Research*, **7(1)**: 58-63.
10. G. Patra, S. Majhi, **N. Shit** and S. Biswas (2016). Effect of soya crumbles on the physio-chemical quality of chicken meat powder during storage at $37\pm 1^{\circ}\text{C}$. *Indian Journal of Poultry Science*, **51(3)**: 327-335.
11. **N. Shit**, K.V.H. Sastry, R.P. Singh and G. Singh (2016). Effect of Stress on the Oviductal Regression and mRNA Expression of Progesterone and Luteinizing Hormone Receptors in Japanese quail Hens. *Journal of Poultry Science and Technology*, **4(1)**: 11-18.
12. Sumit K. Satpathi¹, Suprakash Pal, Rupsanatan Mandal, **Nonigopal Shit** and Ashutosh Sarkar (2016). Unraveling the utility and economics of eco-friendly biointensive pest management modules in cowpea under sub-Himalayan West Bengal, India. *The Journal of Plant Protection Sciences*, **8(1-2)**: 1-6.
13. **N. Shit**, K.V.H. Sastry, R. Singh and R.P. Moudgal (2014). Effect of stress on the percent body weight change and mRNA expression of IGF-1, Survivine and HSP-70 gene in the hierarchical follicles of Japanese quail. *Exploratory Animal and Medical Research*, **4(2)**: 172-182.
14. **N. Shit**, R.P. Singh, K.V.H. Sastry, N.K. Pandey, J. Mohan and R.P. Moudgal. (2010). Development of artificial insemination technology in Japanese quails (*Coturnix coturnix Japonica*). *Indian Journal of Poultry Science*, **45 (1)**: 50-54.

15. **N. Shit**, K.V.H. Sastry, R.P. Singh, N.K. Pandey, J. Mohan and R.P. Moudgal. (2009). Relationship between cloacal gland size and physio-biochemical characteristics of semen in two lines of Japanese quail (*Coturnix coturnix japonica*) *Indian Journal of Poultry Science*, **44(3)**: 371-375.
16. R. P. Singh, K. V. H. Sastry, N. K. Pandey, **N. Shit**, R. Singh and J. Mohan. (2011). Sperm competition in Japanese quail (*Coturnix japonica*): last male precedence is declined in two successive matting with two different male. *Indian Journal of Poultry Science*, **46(1)**: 130 -131.
17. R. P. Singh, K.V.H. sastry, **N. Shit**, N. K. Pandey, R. Agarwal, K. B. Singh, Jagmohan and R. P. Moudgal. (2010). Electrophoretic separation and characterization of LDH isozymes in Japanese quail (*Coturnix coturnix japonica*) brain. *Indian Journal of Poultry Science*, **45 (1)**: 55-58.
18. N.K. Pandey, V.K. Saxena, R.P. Singh, **N. Shit**, R. Singh, R.K. Sharma and K.V.H. Sastry (2010). Single nucleotide polymorphism in insulin like growth factor-1 (IGF-1) gene and its effect on economic traits in Indian colored broilers. *Indian Journal of Poultry Science*, **45(2)**: 180-185.
19. Singh, R. P. Sastry, K. V. H. Pandey, N. K. **Shit**, N. Ahuja, A. Radha. Mohan, J. Singh, K. B. Moudgal, R. P. (2009). Characterization of Lactate dehydrogenase isozymes in Japanese quail brain (*Coturnix coturnix japonica*). *Journal of cerebral blood flow & metabolism*, **29**: S381-S393.

C. Review paper:

D. Research Notes/Short Communication in National Journal:

E. Conference Proceedings:

F. Extension literature/Article:

G. Book Chapters:

H. Books:

**Participation in International/ National/State level Conferences:
Details**

<i>Sl. No.</i>	<i>Name of the Seminar/ Symposium/ Conference/ workshop</i>	<i>Place</i>	<i>Date</i>	<i>Year</i>	<i>Duration (days)</i>
1	National Conference on Gau-Vigyan in modern life and medical sciences	IIT, Guwahati, Assam	20-21 st May	2023	02
2	National Symposium on Avian Biology-2022. Organized by Deptt of Life Science, CU	Gaya, Bihar	9-11 th Nov	2022	03
3	International Conference on Mechanistic and Therapeutic Approaches in Human and Animal Health. Organized by Deptt of	CBPBU, Cooch Behar	6-8 th Dec	2021	03

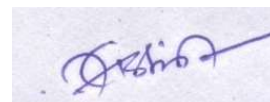
<i>Sl. No.</i>	<i>Name of the Seminar/ Symposium/ Conference/ workshop</i>	<i>Place</i>	<i>Date</i>	<i>Year</i>	<i>Duration (days)</i>
	Zoology				
4	6 th National Youth Convention on “Innovation and Agricultural Reforms for Farmers Prosperity” jointly organized by AIASA, ICAR and PJTSAU (Online)	Hyderabad	20-21 st Feb	2021	02
5	27 th West Bengal State Science and Technology Congress. Org. by Deptt of Science and Technology, GoWB.	Kolkata	28-29 th Feb	2020	02
6	4 th Regional Science & Technology Congress 2019. Northern Zone, Govt. of West Bengal.	Alipurduar College	18-19 th Dec	2019	02
7	National seminar on cultivation, conservation and sustainable utilization of medicinal plants for livelihood improvement.	UBKV, Pundibari	20-21 st Nov	2019	02
8	26 th West Bengal State Science and Technology Congress. Org. by Deptt of Science and Technology, GoWB	Kolkata	28 th Feb & 1 st March	2019	02
9	3 rd Regional Science & Technology Congress. Department of Science and Technology, Govt. of West Bengal.	Jalpaiguri Govt. Eng. College	12-13 th Dec	2018	02
10	National Conference on ZooCon 2017: Animal Science in 21st Century. Deptt of Zoology	NBU, Siliguri	11-12 th Feb	2017	02

<i>Sl. No.</i>	<i>Name of the Seminar/ Symposium/ Conference/ workshop</i>	<i>Place</i>	<i>Date</i>	<i>Year</i>	<i>Duration (days)</i>
11	2 nd Regional Science & Technology Congress, by Department of Science and Technology, Govt. of West Bengal.	Siliguri College	7-8 th Dec	2017	02
12	1 st Regional Science & Technology by Department of Science and Technology, Govt. of West Bengal.	AC College, Jalpaiguri	7-8 th Nov	2016	02
13	International Conference on Agriculture, Food Science, Natural Resource Management and Environmental Dynamics: The Technology, People and Sustainable Development.	BCKV	13-14 th Aug	2016	02

Declaration

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

Place: Cooch Behar



(Signature)

CURRICULAM VITAE



Sl. No.	Particulars	Details	
1.	Name	Dr. Nripendra Laskar	
2.	Designation	Associate Professor	
3.	Department	Agricultural Entomology	
4.	Educational Qualifications	Ph.D.	
5.	Contact Details	(a) Email id: nripendralaskar@yahoo.co.in (b) Phone/Mobile : 09434483855	
6.	Post held since (year):	2002	
7.	Area of Specialization : Economic Entomology		
8.	No. of Publications:	a) Research Papers: 36 b) Book Chapters: 06 c) Books : 04	
9.	Award/Honors:		
Sl. No	Name of Award	Awarding Agency	Year

10. Publications (Best Five):

11. Projects handled as PI and Co-PI (External funded: 05

CURRICULUM VITAE



1. Name : **JAGADISH CHANDRA JANA**

2. Designation : Professor and Head, Department of Vegetable and
Spice Crops & Ex- Dean, Faculty of Horticulture

3. Address : Department of Vegetable and Spice Crops,
Faculty of Horticulture, Uttar Banga Krishi Viswavidyalaya,
P.O.- Pundibari, Dist.- Cooch Behar, PIN-736165, W. B.,
E-Mail ID: janajc@rediffmail.com, janabrinjal@gmail.com
Mobile: 7001942873 (WhatsApp), 9475832372

4. Educational Qualification:.

Degree	University	Year	Subjects
Secondary	WBBSE	1985	
H.S.	WBCHSE	1987	
B.Sc.(Ag.)Hons	BCKV	1991	Hort., Ento.,...
M.Sc.(Ag.)	BCKV	1994	Horticulture
Ph.D.	BCKV	2001	Vegetable Crops

5. Experience:

5.(a) Professional Experience:

Under Graduate and Post Graduate teaching, research and extension works of the Department of Vegetable and Spice Crops, Faculty of Horticulture, UBKV with following positions-

Designation	Place of posting	Joining date	Leaving date
Lecturer in Vegetable Crops	Regional Research Station (Terai Zone), B.C.K.V., Pundibari, Cooch Behar, W.B.	31 st Dec. 1997	30 th Dec. 2001

Designation	Place of posting	Joining date	Leaving date
Sr. Lecturer in Vegetable Crops	Regional Research Station (Terai Zone), B.C.K.V., Pundibari, Cooch Behar, W.B.	31 st Dec. 2001	19 th Nov. 2003
Reader (Associate Prof.) in Vegetable & Spice Crops	Deptt. of Vegetable & Spice Crops, Faculty of Horticulture, U.B.K.V., Pundibari, Cooch Behar, W.B.	20 th Nov. 2003	29 th June 2010
Professor	Deptt. of Vegetable & Spice Crops, Faculty of Horticulture, U.B.K.V., Pundibari, Cooch Behar, W.B.	30 th June 2010	Continuing

Specialization: Breeding and Seed Production of Vegetable and Spice Crops

5.(b) Administrative Experience:

Administrative post held	Department/Faculty	Joining date	Leaving date
Head	Department of Vegetable and Spice Crops, Faculty of Horticulture, UBKV, Pundibari	20.01.2004	01.12.2011
Dean (Acting)	Faculty of Horticulture, UBKV, Pundibari	05.04.2013	23.11. 2014
Dean	Faculty of Horticulture, UBKV, Pundibari	24 .11.2014	23.11.2019
Dean (Acting)	Faculty of Horticulture, UBKV, Pundibari	24.11. 2019	01.01.2020
Head	Department of Vegetable and Spice Crops, Faculty of Horticulture, UBKV, Pundibari	02.12.2019	Till date

Administrative Training Completed:

Programme	Place and Duration	Hosted by	Sponsored by
<i>Leadership for Academicians Programme (LEAP)</i> , a three weeks flagship Leadership Development training programme (2 weeks domestic and 1 week foreign training) for second level academic functionaries in public funded higher education	Indian Training Component: The Indian component held in Indian Institute of Science Education and Research (IISER)-Kolkata between 11-22 February, 2019. Foreign Training Component: The foreign component was delivered in partnership with the Harvard Graduate School of Education , at the Cambridge campus of Harvard University	IISER Kolkata	Ministry of Human Resource Development (MHRD), Government of India

institutions under the PanditMadan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) Scheme.	(Boston, USA) during 6-10 March, 2019.		
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6. List of Publication:

6.(a)Chapter in a Book: 02

1. **Jana, J. C.** 2008. Underutilized leafy vegetables of sub-himalayanterai region. pp. 325-339. In Peter, K. V. (eds.), Underutilized and underexploited horticultural crops', Vol-3. New India Publishing Agency, New Delhi.
2. **Jana, J. C.** and Sinha, P. 2009. Micronutrient disorders in vegetable crops' pp. 479-497. In Srivastava, K. P. and Butani, D. K. (eds.), Pest Management in Vegetables", vol-II. Studium Press (India) Pvt. Ltd., New Delhi.

6.(b)Book:02

1. **Jana,J. C.**,Chatterjee, R., Datta, S. and Choudhuri, P. 2005. Principles and Practices of Vegetable and Spice Crops, Uttar BangaKrishiViswavidyalaya, West Bengal.
2. **Jana, J. C.**, Kole, T. K., Mani, A., Karak, C. and Murmu, D. K. 2018. Advances in Post Harvest Management, Processing and Value Addition of Horticultural Crops. Part-2: Vegetable, Spices and Plantation Crops. Today and Tomorrow's Printers and Publishers, New Delhi.

6.(c)Published Research Articles: 51

1. **Jana, J. C.**, Thapa, U. and Maity, T. K. 1999. Green and seed yield of palak (*Beta vuigaris*L. var. *bengalensis*Hort.) as affected by nitrogen fertilization and cutting management. *Vegetable Science*. **26** (1): 61-63. ISSN 0970-6585.
2. Dhar, M., **Jana, J. C.** and Maity T. K.1999. Response of cabbage to sulphur fertilization. *Vegetable Science*.**26** (1): 82-84. ISSN 0970-6585.
3. Maity, T. K., **Jana, J. C.** and Thapa, U. 1999. Crop growth rate and green yield of palak (*Beta vulgaris* L. var. *bengalensis* Hort.) as influenced by nitrogen fertilization and cutting frequencies. *Journal of Andaman Science Association*. **15** (1): 35-38.ISSN 0970-4183.

4. **Jana, J. C.** and Bhattacharya, B. 2001. Performance of different promising cultivars of turmeric (*Curcuma domestica* Val.) under terai agro-climatic region of West Bengal. *Environment and Ecology*. **19**(2): 463-465. ISSN 0970-0420.
5. Panja, B. N. and **Jana, J. C.** 2001. White mould disease of *Phaseolus vulgaris* L. from terai region of West Bengal. *Journal of Interacademia*. **5** (1): 121-122. ISSN 0971-9016.
6. **Jana, J. C.** and Bhattacharya, B. 2001. Studies on performance of different tomato hybrids during off-season under different planting methods in terai agro-climatic zone of West Bengal. *Journal of Interacademia*. **5** (2): 186-189. ISSN 0971-9016.
7. **Jana, J. C.** and Mukhopadhyay, T. P. 2001. Effect of nitrogen and phosphorus on growth and seed yield of cauliflower var. Aghani in terai zone of West Bengal. *Vegetable Science*. **28** (2): 133-136. ISSN 0970-6585.
8. **Jana, J. C.**, Dutta, S. and Chatterjee, R. 2001. Genetic variability, heritability and correlation studies in turmeric (*Curcuma longa* L.) *Research on Crops*. **2** (2): 220-225. ISSN 0972-3226.
9. **Jana, J. C.** and Mukhopadhyay, T. P. 2002. Effect of sowing dates and varieties on growth and seed yield of cauliflower (*Brassica oleracea* var. *botrytis* L.) in terai zone of West Bengal. *Seed Research*. **30** (2): 247-252. ISSN 0379-5594.
10. **Jana, J. C.** and Mukhopadhyay, T. P. 2002. Effect of nitrogen and phosphorus on growth and seed yield of cauliflower var. Aghani in terai zone of West Bengal. *Seed Research*. **30** (2): 253-257. ISSN 0379-5594.
11. **Jana, J. C.** and Mukhopadhyay, T. P. 2003. Correlation growth and yield parameters with seed yield under varying sowing dates and varieties in cauliflower (*Brassica oleracea* var. *botrytis* L.). *Seed Research*. **31** (1): 58-60. ISSN 0379-5594.
12. **Jana, J. C.** and Mukhopadhyay, T. P. 2003. Effect of sowing dates and varieties on growth and curd yield of cauliflower in terai zone of West Bengal. *Indian Agriculturist*. **47**(3 & 4): 235-239. ISSN 0019-4336.
13. **Jana, J. C.** 2004. Effect of micronutrients on yield and quality of cauliflower seeds. *Seed Research*. **32**(1): 98-100. ISSN 0379-5594.

14. **Jana, J. C.** 2005. Effect of sowing date and variety of French bean on seed yield and quality. *Seed Research*. **33** (1): 111-113. ISSN 0379-5594.
15. **Jana, J. C.** 2006. Effect of *Azospirillum* and graded levels of nitrogenous fertilizer on growth, yield and quality of ginger (*Zingiberofficinale*Rosc.). *Environment and Ecology*. **24S** (3): 551-553. ISSN 0970-0420.
16. **Jana, J. C.** (2007) Suranjana : a new turmeric of West Bengal. *Indian Horticulture*. **34**(1):27-28. ISSN: 0019-4875.
17. **Jana, J. C.** 2007. Use of traditional and underutilized leafy vegetables of sub-Himalayan terai region of West Bengal. *Acta Hort.* **752**: 571-575. ISSN: 0567-7572
18. Sarkar, R. K., Datta S. & **J. C. Jana** (2007). Effect of pinching on chillies (*Capsicum annuum*). *Indian Journal of Agricultural Sciences*. **77**(12):856-8. ISSN:0019-5022
19. **Jana, J. C.** 2008. Underutilized leafy vegetables of sub-himalayan terai region. In: *Underutilized and Underexploited Horticultural Crops*, Vol-3, Peter, K. V. (Eds.), New India Publishing Agency, New Delhi. pp. 325-339.
20. **Jana, J. C.** and Sinha, P. 2009. Micronutrient disorders in vegetable crops'. In: *Pest Management in Vegetables*, Vol-II, Srivastava, K. P. and Butani, D. K. (Eds.), Studium Press (India) Pvt. Ltd., New Delhi. pp. 479-497.
21. **Jana, J. C.** 2009. Utilization and conservation of cucurbits diversity in sub-Himalayan terai region of India. *Green Farming*. **2**(6): 374-375. ISSN 0974-0775.
22. **Jana, J. C.** and Jha, M. K. 2009. Evaluation of vermicompost and farmyard manure in integrated nutrient management of spinach (*Beta vulgaris* var. *bengalensis* Hort.). *Indian Journal of Agricultural Sciences*. **79**(7):538-541. ISSN 0019-5022.
23. **Jana, J. C.** and Talukder, B. 2009. Response of inoculation with Phosphate Solubilizing Bacteria and Vesicular Arbuscular Mycorrhiza on growth, yield and quality of chilli under sub-Himalayan terai region. *Green Farming*. **2**(8): 510-513. ISSN 0974-0775.

24. Talukder, B. and **Jana, J.C.** 2009. Integrated nutrient management for better growth, yield and quality of green chilli (*Capsicum annuum*) in terai region of West Bengal. *Indian Journal of Agricultural Sciences*. **79**(8):600-603. ISSN 0019-5022.
25. Chatterjee, R., **Jana, J. C.** and Pal, P. K. 2009. Utilization of betelvineboroj for year round production of pointed gourd (*Trichosanthes dioica* Roxb.)- A case study in Cooch Behar district of West Bengal, India. *Green Farming*. **2**(12): 849-851. ISSN 0974-0775.
26. Datta, S. and **Jana, J. C.** 2009. Effect of seasons and fertility levels on yield and quality of chilli (*Capsicum annuum* L.) genotypes in terai agroclimatic region. *Indian Journal of Agricultural Sciences*. **79** (11): 917-921. ISSN 0019-5022.
27. Datta, S., **Jana, J. C.** and Choudhuri, P. 2009. Standardization of time for propagation of black pepper under terai zone of West Bengal. *Orissa Journal of Horticulture*. **57**(2): 98-102. ISSN 0973-2180.
28. Datta, S. and **Jana, J. C.** 2010. Genetic variability, heritability and correlation in chilli genotypes under terai zone of West Bengal. *SAARC Journal of Agriculture*. **8**(1): 33-45. ISSN 1682-8348.
29. Chatterjee, R., **Jana, J. C.** and Bandyopadhyay, S. 2010. Growth and multiplication of *Eisenia foetida* during vermicomposting of different vegetable crop residues. *Journal of Soil Biology and Ecology*. **30**(1 & 2):178-187. ISSN 0970-1370.
30. **Jana, J.C.**, Guha, S. and Chatterjee, R. 2010. Effect of planting geometry and nitrogen levels on crop fruit yield quality in okra grown during early winter in terai zone of West Bengal. *Journal of Horticultural Sciences*. **5** (1): 30-33. ISSN 0973-354X.
31. Datta, S. and **Jana, J. C.** 2011. Performance of chilli genotypes (*Capsicum annuum* L.) genotypes under terai agro-climatic zone of West Bengal, *Indian Journal of Agricultural Sciences*. **81**(6): 567-570. ISSN 0019-5022.
32. Datta, S. and **Jana, J. C.** 2011. Studies on genetic divergence in chilli (*Capsicum* spp.) under sub-Himalayan tracts of West Bengal, *Journal of Crop and Weed*. **7**(1): 44-48. ISSN 0974-6315.

33. Choudhuri, P. and **Jana, J. C.** 2012. Effect of intercropping on nutrient uptake and quality parameter estimation in potato based intercropping system. *Crop Research*. **43**(1, 2 and 3):65-68. ISSN 0970-4884.
34. Choudhuri, P. and **Jana, J. C.** 2012. Effect of intercropping yield and economics of cabbage. *Journal of Crop and Weed*. **8**(1):155-157. ISSN 0974-6315.
35. Choudhuri, P. and **Jana, J. C.** 2012. Influence of intercropping on nutrient uptake and quality parameter estimation in okra based intercropping system. *Journal of Interacademia*. **16**(2):234-238. ISSN 0971-9016.
36. Datta, S. and **Jana, J. C.** (2012) Studies on stability of chilli genotypes under terai agro climatic zone of West Bengal. *Journal of Spices and Aromatic Crops*. **21**(1): 71-75. ISSN 0971-3328.
37. Chatterjee, R., **Jana, J. C.** and Paul, P. K. 2012. Enhancement of head yield and quality of cabbage (*Brassica oleracea*) by combining different sources of nutrients. *Indian Journal of Agricultural Sciences*. **82**(4): 323-327. ISSN 0019-5022.
38. Chatterjee, R., **Jana, J. C.** and Paul, P. K. 2013. Vermicompost Substitution Influences Shelf Life and Fruit Quality of Tomato (*Lycopersicon esculentum* Mill.). *American Journal of Agricultural Science and Technology*. **1**: 69-76. ISSN 2162-9676.
39. **Jana, J. C.**, Moktan, P. and Chatterjee, R. 2013. A survey of nitrate concentrations in retail fresh leafy vegetables from daily markets of different locations. *Journal of Green Agricultural Science*. **2**(1):07-10. ISSN 2319-8575.
40. DATTA, S. and **JANA, J. C.** 2014. Studies on stability of chilli genotypes at different fertility levels under terai zone of West Bengal. *Journal of Spices and Aromatic Crops*. **23**(1): 26-31. ISSN: 0971-3328
41. Sarkar, R. K., **Jana, J. C.** and Datta, S. 2014. Effect of different sowing times and spacing on growth, yield and quality of water spinach (*Ipomoea reptans* Poir.) under terai region of West Bengal. *Journal of Applied and Natural Sciences*. **6**(2): 489-494. ISSN 0974-9411.
42. Sarkar, R. K., **Jana, J. C.** and Datta, S. 2014. Effect of cutting frequencies and nitrogen levels on growth, green and seed yield and quality of water

- spinach (*Ipomoea reptans* Poir.). *Journal of Applied and Natural Sciences*. **6**(2): 545-551. ISSN 0974-9411.
43. Datta, S. and **Jana, J. C.** 2014. Effect of Different Temperature and Rainfall Regimes with Different Levels of Soil Fertility on Uptake Pattern of N, P and K of Chilli (*Capsicum annuum* L.) under Terai Zone of West Bengal. *American Journal of Agricultural Science and Technology*. **2** (1): 8-16. ISSN 2162-9676.
 44. Anandaraj, M., Prasath, D., Kandiannan, K., John Zachariah, T., Srinivasan, V., Jha, A. K., Singh, A. K., Pandey, V. P., Singh, S. P., Shoba, N., **Jana, J. C.**, Ravindra Kumar, K., and Uma Maheswari, K. 2014. Genotype by environment interaction effects on yield and curcumin in turmeric (*Curcuma longa* L.). *Industrial Crops and Products*. **53**:358– 364. ISSN 0926-6690.
 45. Chatterjee, R., Bandhopadhyay, S. and **Jana, J. C.** 2014. Organic amendments influencing growth, head yield and nitrogen use efficiency in cabbage (*Brassica oleracea* var. *capitata* L.). *American International Journal of Research in Formal, Applied & Natural Sciences*. **5**(1):90-95. ISSN 2328-3777.
 46. Chatterjee, R., Bandhopadhyay, S. and **Jana, J. C.** 2014. Impact of organic amendments and inorganic fertilizers on production potential, nitrogen use efficiency and nitrogen balance in tomato (*Lycopersicon esculentum* Mill.). *International Journal of Scientific Research in Knowledge*. **2**(5):233-240. ISSN 2322-4541.
 47. Datta, S. and **Jana, J. C.** 2015. Stability of chilli genotypes under different fertility level. *Green Farming*. **6**(2): 270-273. ISSN 0974-0775.
 48. Basak, D. and **Jana, J. C.** 2016. Yield and quality performance of turmeric varieties grown under conventional and organic nutrient management practices under terai region of West Bengal. *Environment and Ecology*. **34**(3):867-870. ISSN: 0970-0420.
 49. Datta, S. and **Jana, J. C.** 2016. Growth, yield and important quality attributes of Chilli (*Capsicum* sp.) genotypes under the sub Himalayan tracts of West Bengal. *Indian Journal of Horticulture*. **73**(1):66-73. ISSN 0972 8538.
 50. Datta, S., **Jana, J. C.**, Bhaisare, P. T. and Nimbalkar, K. H. 2017. Effect of organic source of nutrients and biofertilizers on growth, yield and quality of

turmeric (*Curcuma longa* L.). *Journal of Applied and Natural Sciences*. **9**(4): 1981-1986. ISSN 0974-9411.

51. Sen, A., Khade, S. D., **Jana, J. C.** and Choudhuri, P. 2019. Effect of integrated nutrient management on growth, yield and quality attributes of black cumin (*Nigella sativa* L.) var. RajendraShyama grown under terai zone of West Bengal. *Journal of Spices and Aromatic Crops*. **28**(1): 61-65. ISSN: 0971-3328.

7. Guidance of Ph. D. Students (upto 2019):

	Scholar Name	Thesis Topic	Status & Year
1.	Mr. B. Talukder	Studies on the effect of biofertilizers on growth, yield and nutraceutical quality of chilli.	<i>Completed 2008</i>
2.	Mr. R. Chatterjee	Production of vermicompost from vegetable wastes and its effect in integrated nutrient management for vegetable production	<i>Completed 2009</i>
3.	Mr. S. Datta	Studies on genetic divergence and stability of chilli	<i>Completed 2009</i>
4.	Mr. P. Chaudhuri	Growth, yield, quality and economic impacts of intercropping in vegetables and spice crops	<i>Completed 2011</i>
5.	Mr. R. K. Sarkar	Response of different agro-techniques on growth, yield and quality of water spinach (<i>Ipomoea reptans</i>)	<i>Completed 2012</i>
6.	Mr. K. H. Nimbalkar	Mulches and Row Covers effect on Growth and Yield of Bitter Gourd and Summer Squash	<i>Completed 2014</i>
7.	Ms. S. Subba	Evaluation of conventional and organic nutrient management on crop growth and yield and soil fertility in okra-broccoli-amaranth production system	<i>Continuing</i>
8.	Mr. T. Das	Growth, yield and profitability of cabbage on polyethylene film mulch with different planting dates, spacing and levels of nitrogen.	<i>Continuing</i>

Scholar Name	Thesis Topic	Status& Year
9. Ms. K. Ghosh	Studies on growth, yield and shelf-life of okra (<i>Abelmoschus esculentus</i> (L.) Moench) as influenced by date of sowing, spacing and storing packages.	<i>Continuing</i>

8. Any other relevant information:

8.(a) Training / Winter School / Summer School attended:

Type	Title	Organized by	Duration
Winter School	Post Harvest Management of Fruits, Vegetables and Flowers	Division of Fruits & Horticultural Technology , IARI, Pusa, New Delhi-12	26 Dec.2001 -15Jan.2002
Training	Faculty Development Programme on Advances in Educational Technology	National Academy of Agricultural Research Management (NAARM), Hyderabad, India	11-31 May 2005
Advanced Training	Nutrient Management to Optimize Crop Production: A Physiological Approach	UNDP Centre of Advanced Studies in Plant Physiology, Narendra Deva University of Agriculture and Technology, Kumarganj-224229, Faizabad, U.P., India	14November – 4December, 2006
Training	Capacity Building on e-Waste Management	National Institute of Electronics and Information Technology (NIELIT)	08 May 2017

8.(b) Scheme / Project handled: 04

Sl. No	Project/ Scheme	Funded from	Associat- ed as	Crop	Programme	Period
1.	AICRP on Spices	ICAR	Hortic- ulturist (Deputed)	Turmeric, Ginger- Black pepper	Crop Manage- ment trials	2000- 2013
2.	Integrated Programmes	Director-ate of	Associ- ated	Major Spices of	Seed Production and its	2002- 2005

Sl. No.	Project/ Scheme	Funded from	Associated as	Crop	Programme	Period
	for Development of Spices Scheme	Arecanut & Spices Development, GOI	Teacher & In- Charge	North Bengal	distribution, and Transfer of Technology Programme	
3.	National Horticulture Mission- Organising National Workshop	Directorate of Arecanut & Spices Development, GOI	Acted as Convener-cum Organising Secretary	-	National Workshop on Spices and Aromatic Plants	16-17 Jan., 2008
4.	National Horticulture Mission- Developmental Programmes on Spices	Directorate of Arecanut & Spices Development, GOI	Associated Teacher & In- Charge	Major Spices of North Bengal	Seed Production and its distribution	2005-2013

8.(c) Research Achievements in developing New Variety and Production Technology (from ICAR-AICRP on Spices):

- Ginger- '**Mohini**'-Notified as a National Level Variety by Central Variety Release Committee, Govt. of India in the year 2017.
- Turmeric- '**Suranjana**' and '**Uttar Rupanjana**' –State Level Varieties by State Variety Release Committee, Govt. of West Bengal in the years 2005 and 2018, respectively.
- In Ginger-02(two) technologies (Standardized organic and integrated nutrient management) and
- in Turmeric-02 two technologies (Standardized organic and integrated nutrient management). All of these were accepted and published by the ICAR-AICRP on Spices, IISR, Calicut.

8.(d) Seminar/Symposium/Workshop/Conference/Congress/Summit attended:23

Sr. No.	Type	Title	Organized by	Place	Date	Attended as
1	Workshop	Better Packaging Technology of Fruits and Vegetables	Deptt. of Agricultural Marketing, Govt. of West Bengal	Kanchanjunga Stadium, Siliguri, Darjeeling	19-20 Jan. 2001	Participated as Resource Person
2	Workshop	AICRP on Spices	ICAR	KAU, Vellanikara, Kerala	1-3 Nov.	Participated as

Sr. No.	Type	Title	Organized by	Place	Date	Attended as
					2001	Horticulturist
3	National Seminar	Ramie (<i>Boehmerianivea</i>) an important cash crop	UBKV	Pundibari, Cooch Behar	12-13 Feb. 2002	Participated
4	Workshop	Better Packaging Technology of Fruits and Vegetables	Deptt. of Agricultural Marketing, Govt. of West Bengal	Regulated Market, Malda	19-20 Feb. 2002	Participated as Resource Person
5	Workshop	XVII Workshop of AICRP on Spices	ICAR	IISR, Calicut, Kerala	3-5 Feb. 2004	Participated as Horticulturist
6	National Conference	Organic Farming for Sustainable Production	The Horticulture Society of India, New Delhi	ICAR-NASC Complex, New Delhi	23-25 March, 2004	Participated
7	National Conference	Seed: A Global Perspective	Indian Society of Seed Technology	ICAR-NASC Complex, New Delhi	26-28 March, 2004	Participated
8	Workshop	Human Nutrition for Good Health	Deptt. of Health, Govt. of W.B.	Cooch Behar	22 April, 2004	Participated as Resource Person
9	Workshop	Export Promotion of Agril. Commodities	Deptt. of Agril. Marketing, Govt. of W.B.	Regulated Market, Siliguri	14-15 July, 2004	Participated as Resource Person
10	Regional Seminar	Commercial Hi-Tech cultivation of Vegetable Crops and hybrid seed production .	Urivi-Vikram Charitable Trust, NHRDF and Sri Chhotu Ram Educational & Cultural Society	IARI, New Delhi	29-30 September, 2004	Participated
11	Congress	First Indian Horticulture Science Congress-2004	The Horticulture Society of India, Delhi	NPL Auditorium, New Delhi	6-9 Nov. 2004	Participated & Presented Paper
12	Congress	Seventh Agricultural	National Agricultural	MPKV, Pune	16-18 Feb.	Participated & Presented

Sr. No.	Type	Title	Organized by	Place	Date	Attended as
		Science Congress	Science Academy , New Delhi		2005	Paper
13	National Conference	Alliums	Association of Allium Workers in India and Institute of Agricultural Sciences , Banaras Hindu University	Varanasi	24-25 Feb. 2005	Participated & Presented Paper
14	Summit	Agriculture Summit 2005	Ministry of Agriculture, Govt. of India & FICCI	VigyanBhavan, New Delhi	9-10 April 2005	Participated & Presented Paper
15	International Conference	First International Conference on Indigenous Vegetables and Legumes	AVRDC, Taiwan	ICRISAT, Hyderabad	12-15 Decem-ber. 2006	Participated & Presented Paper
16	Symposium	Symposium on Conservation of Biodiversity	Acharya B.N. Seal College, Cooch Behar	Cooch Behar	18 th March, 2007	Invited Speaker
17	International Symposium	Underutilized Plant Species for food, nutrition, income and sustainable development	International Centre for Underutilised Crops (ICUC)	Arusha, Tanzania	3-7 March, 2008	Participated & Presented Paper
18	International Level	Performance of vermi-compost and farmyard manure in integrated nutrient management of palak.	ICAR	National Academy Agricultural Sciences, ICAR, New Delhi	4-7 Feb., 2009	Participated & Presented Paper
19	International Level	Productivity and curcumin content of turmeric as	2 nd International Symposium on Medicinal	AIIMS, New Delhi and ISHS, Belgium	25-27 Nov.,	Participated & Presented Paper

Sr. No.	Type	Title	Organized by	Place	Date	Attended as
		affected by inorganic nitrogenous fertilizer, organic manure and biofertilizer.	and Nutraceutical Plants by ISHS		2009.	
20	International Level	Protected vegetable cultivation technology to offset climate change.	International Seminal 2010 on Climate Change and Environment challenges in 21 st Century by Rajshahi University.	Rajshahi University, Bangladesh	7-9 Dec., 2010	Participated & Presented Paper
21	International Level	Effect of organic, inorganic source of nutrients and <i>Azospirillum</i> on yield and quality of turmeric (<i>Curcuma longa</i> L.).	IV- International Conference on Landscape and Urban Horticulture- ISHS	ISHS and BCKV, Kolkata	25-26 November 2013	Participated & Presented Paper
22	International Level	Early bitter gourd crop by low polyethylene tunnels and mulches.	Bitter gourd conference by AVRDC	AVRDC- The World Vegetable Center, South Asia, Hyderabad	20-21 March, 2014	Participated & Presented Paper
23	International Level	Nitrate problem in vegetables.	Nutritional livelihood and environmental security in hills	RRS, Hill Zone, UBKV, Kalimpong, West Bengal	22-24 May, 2014	Participated & Presented Paper

8.(e)Society /Journal Membership:

Sl. No.	Name of the Journal	Address of the Society	Category
1.	Vegetable Science	Journal of the Indian Society of Vegetable Science ,Indian Institute of Vegetable Research,1,Gandhi Nagar (Naria), P.B.No. 5002,P.O.-BHU,Varanasi-221005, U.P. ,India	Life Member since 1999
2.	Journal of Spices and Aromatic Crops	Journal of the Indian Society for Spices, Indian Institute of Spices Research ,P.B.No. 1701, Marikunnu Post,Calicut-673012, Kerala, India	Life Member since 2001
3.	Seed Research	Journal of the Indian Society of Seed Technology, Indian Agricultural Research Institute, New Delhi -110012, India	Life Member since 2002
4.	Indian Journal of Horticulture	Journal of the Indian Society of Horticulture, Indian Agricultural Research Institute, New Delhi -110012, India	Life Member since 2002

Faculty Profile and Credential



Title : Dr.
Name : Vineeta
Father's Name : Bijendra Singh
Present designation : Assistant Professor
Present address : University Quarter, UBKV, Pundibari
Permanent address : 72/Ashok Vihar Colony Jagjeetpur P.O Kankhal, Haridwar, Uttarakhand
Tel./Fax No. : nil
Mobile No. : 8016420770
Date of birth : 07/06/1986
Caste : Gen
Marital status : Married

Academic qualification:

Degree	Year	Institution/ Board	Area of Specialization	Percentage of Marks
PhD	2021	Uttar Banga Krishi Viswavidyalaya, West Bengal	Forestry	80.6
NET qualified	2013	ASRB (ICAR), New Delhi	Forestry	
PG	2011	HNB Garhwal Central University, Uttarakhand	Forestry	74
UG	2009	HNB Garhwal Central University, Uttarakhand	Forestry	74

Teaching experience and associated courses:

1. **UG Course:** ES-101, FOR-251, FOR-301, FOR-351, FOR-101, HOR-151, FOR 201
2. **PG Course:** FOR-501, FOR-502, FOR-503, FOR-505, FOR- 507, EM-524, AF-524, FOR- 451, FOR-453, FOR-454, FOR-452, EM-521, MAP-525, FGR- 525, FOR-504, FOR-508, AF-525, AF-526, PT-521, FBM-521, SAF-502, SAF-504
3. **PhD Course:** FOR-601, FOR605, MAP-621

Other academic activity:

1. External examiner for Elementary Agriculture (Practical) in Shree Dev Suman University in Doon (P.G) college of Agriculture Science, Dehra Dun, Uttarakhand, 2014.
2. Reviewer of B.Sc Forestry Hons.(5th to 8th sem) programme of Amity University
3. Exam paper setter of Wood Science and Technology (53513), Forest Extension and community forestry (13514), Forest Survey and Engineering (33522), Logging and Ergonomics (53524), Forest Tribology and Anthropology (43518), Plantation Forestry (63511), Geology and Soil (23512) of Bankura University, Bankura District, West Bengal.

4. Exam paper setter of Communication Skills and Personality Development (SBS-1102) of Sher –e – Kashmir University of Agricultural Science and Technology of Kashmir
5. Act as a tour guide of All India Study Tour of the 7th sem Agr and Horti Students during 11.03.2022 to 16.03.2022 in Shillong, north-eastern state of India
6. BSF Village stay programme-2019 on “Socioeconomic Development Programme” of UG students
7. Member of Central Admission Committee (CAC) For UG admission for the session 2022-2023.

Previous working Experience:

Sl No	Name of the Institute	Particulars	From	To
1.	Baba Farid Institute of Technology, Dehradun, Haridwar, Uttarakhand	Lecturer	20-05-2013	30-06-2014

Academic Supervising Experience:

UG:

Sl No.	Year	Title of project report
-	-	-

PG:

Sl. No.	Chairman/Co-Chairman	Student	Year	Title of thesis
1.	Chairman	Piyali Sutradhar(H-2022-002-M)	Cont.	Perception of Forest Dwellers in Terai Region of West Bengal, India on Human-Elephant Conflict: Implications for Forest and Crop Management towards Coexistence
2.	Co- Chairman	Rajdip Mahanty(H-2022-003-M)	Cont.	Forest Manager’s Perception on Human-Elephant Conflict in Terai Region of West Bengal, India: Implications for its Mitigation and Forest Management
3.	Co-chairman	Kanchan (H-2021-07-M)	2023	Influence of Tree-based Land uses on Soil Fertility and Physico-Chemical properties in an Agricultural Landscape.
4.	Co-chairman	Debidutta Barman (H-2020-007-M)	2022	Spatiotemporal distribution of a floodplain tree species <i>Barringtonia actangula</i> in Indo-Bangladesh Landscape.
5.	C0-chairman	Dinesha S (H-2016-03-M)	2018	Analysis of litterfall pattern, nutrient return, decomposition and budgeting ecosystem carbon under <i>Swietenia macrophylla</i> King (Indian Mahogany) Plantation

PhD:

Sl.	Year	Title of thesis
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No.		
-	-	-

Project Handled

S No.	Title	Funding Agency	Amount (Rs. In lakhs)	Role	Status
1.	Standardization of agrotechnology and mass multiplication for production of quality seedlings of <i>Woodfordia fruticosa</i> , <i>Sida cordifolia</i> and <i>Desmodium gangeticum</i>	NMPB	23.98	PI	Completed
2.	Production of Quality Planting Materials of some important Medicinal Plants through Identification, Multiplication, Supply of Healthy Elite Genotypes and capacity building programme for improving rural livelihood in Northern Part of West Bengal	NMPB	40.32	Co-PI	Completed
3.	Biomass and Carbon Mapping Across Altitudinal Gradient of Major Darjeeling and Sikkim Himalayan Land Uses: Implications for Carbon Sink Management and Mitigation	SERB	42.5012	Co-PI	Continuing
4.	Raising Quality Planting materials of economically important medicinal plants and supply of health seedlings for improving livelihoods of farmers in Northern part of West Bengal	NMPB	31.25	Co-PI	Completed

Academic Society Association:

1. Life Member of “**Cooch Behar Association for Cultivation of Agricultural Science (COBACAS)**” Pundibari, Cooch Behar, West Bengal.
2. Life Member of “**Medicinal and Aromatic Plants Association of India (MAPAI)**” Boraivi, Anand, Gujarat.
3. Life Member of “**Indian Science Congress**”
4. Life member of “**International Journal of Minor Fruits, Medicinal and Aromatic Plants**”, Kolkata

Training Course coordination:

1. Organizing committee member of National level training programme on “Medicinal and Aromatic plants diversity, Utilization and their Conservation” from 1st – 10th Jun, 2021
2. Organizing committee member of National seminar on “Cultivation, Conservation and Sustainable Utilization of Medicinal Plants for Livelihood Improvement from 19th -20th Sep, 2019
3. Organizing committee member of National seminar on “Horticulture for Sustainable Development, Nutritional and Livelihood Security” from 26th -27th, May, 2022
4. Organizing committee member of 6th International Symposium on Minor Fruits, Medicinal and Aromatic Plants” from 24th -26th Nov, 2022, organised by Uttar Banga Krishi Viswavidyalaya, Society for Minor Fruits, Medicinal and Aromatic Plants and Cooch Behar Association for Cultivation of Agricultural Sciences
5. Organising committee member of 3rd National Conference entitled, “Enhancing Nutritional Security through Climate Smart Farming Practices” on 17 and 18th March, 2017 at Regional Research Station (Hill Zone), UBKV Kalimpong
6. Organising committee member of “Cultivation, Conservation and Sustainable Utilization of medicinal plants for livelihood improvement” organized by Department of forestry, UBKV.

Administrative experience: Nil

Extracurricular Activity:

1. Member of Anti Ragging Squad
2. Member of UG and PG Admission Committee
3. Member of Campus Beautification committee of 5th Convocation of UBKV.
4. Provost charge of Girls Hostel, UBKV, Pundibari (12/7/18- 12/8/18).
5. Delivered an invited lecture on “Ozone and its effect” on ozone day to the local farmers at Cooch Behar KVK, Pundibari, Cooch Behar.
6. Deliver a lecture on “Prospects of Agroforestry in North Eastern State” at Cooch Behar KVK
7. Guest lecture of 2018-20 Forest Range Officer (FRO) batch at Central Academy of Forest Education, Kurseang, West Bengal.
8. Act as Resource person for the training programme on “Nursery Management” under ICAR, SC-SP-2021-2022”.
9. Act as Resource person for the training programme on” Food processing under ICAR, under ICAR, SC-SP-2021-2022”.
10. Deliver a lecture on “Adaptive mechanism for climate resilience particularly in respect of biodiversity of Darjeeling Himalayan region in West Bengal” under DSTBT district level capacity building workshop for adaptation planning under the National Mission for Sustaining the Himalayan Ecosystem (NMSHE)

Rural Agricultural Work Experience involvement:

1. Associated in Village survey (BSF Camp) of RHEW student's for B.Sc. (Hort.) final year (2019)
2. Associated in Village stay programme of UG students at BSF, Raninagar
3. Associated in Industrial training coordinator of RHEW student's for B.Sc. (Hort. & Agri.) final year.

Resource person: Act as a Resource Person of Skill training on Nursery worker at Cooch Behar KVK

Reviewer:**Editorial Reviewer Board Member**

1. Agri-India Today. Monthly e-news letter for agriculture and allied sciences

Reviewer

1. Reviewer of "Biodiversitas Journal of Biological Diversity"
2. Reviewer of "Current Science"
3. Reviewer of Ethnobotany Research and Applications
4. Reviewer of agroforestry system
5. Reviewer of current science

Training Programme Participation:

1. Attended 05 days online training course on Importance and use of Statistical Analysis in Agriculture and Allied fields from 14th Oct, 2023 to 18th Oct, 2023. Organized by Society of Krishi Vigyan
2. Attended one-week online Faculty Development Programme on Academic Research Writing during July 16th – 22nd, 2022. Organised by Teaching Learning Centre, Ramanujan college, University of Delhi.
3. Attended 21 days winter school on "Bioactive compounds from medicinal plants: A wealth of novelties and opportunities" in DMAPR Gujarat from 1st -21st Dec, 2016.
4. Attended 21 days National Training programme on "Biophysical and Socioeconomic interactions in Agroforestry" organized under ICAR-NAHEP-CAAST project w.e.f 16th Feb- 8th Mar, 2021
5. Attended One Week Online Training Program on Statistical Data Analysis using "R" Software during December 21-27, 2021, organised by Science Tech Institute, Lucknow
6. Attended One Week Online Training Program on Statistical Data Analysis using "SPSS" Software during January 21 – 27, 2022 organised by Science Tech Institute, Lucknow
7. Attended One Week Online Faculty Development Program on "Advanced Research Methodology" during March 21 – 27, 2022 jointly organised by Amiruddaula Islamia Degree College, Lucknow and Science Tech Institute, Lucknow
8. Did six-month training on "EIA on Bhilangna Small Hydro Project (SHP) 2B (13mw)" in Tehri Uttarakhand (2008)

- Did one month training on “Propagation practices of medicinal plants in forest nursery” Dr. Sushila Tiwari Herbal Garden, Narendra Nagar Forest Division, Rishikesh, Uttarakhand (2010).

Scholarships/Fellowships: Nil

Award:

- Junior Scientist of the Year, 2017 by International Conference on Environment and Ecology, Kolkata on 4th International Conference on Environment and Ecology at Gauhati University, Guwahati, Assam.
- Young Scientist of the Year, 2019 by Cooch Behar Association for Cultivation of Agricultural Sciences on 4th National Conference on Diversified Farming System Sustainable Livelihood and Contributing Farmers Income at RRS, UBKV, Majhian, West Bengal.

External expert:

- External examiner for Elementary Agriculture (Practical) in Shree Dev Suman University in Doon (P.G) college of Agriculture Science, Dehra Dun, Uttarakhand, 2014.
- Reviewer of B.Sc Forestry Hons.(5th to 8th sem) programme of Amity University

Publication (in numbers):

- Full Papers in International Journal:** 28
- Full Papers in National Journal:** 16
- Review paper:** 06
- Research note/ short communication in National Journal:** 01
- Book Chapters:** 09
- Books:** 03

List of Publications

Paper Published in Referred Journal

Sl. No	Title	Author	Year	Publisher	NASS /IF
1.	Species richness, stand structure and carbon storage under an age chronosequence in <i>Tectona grandis</i> plantation at agricultural landscape of Indian Eastern Himalayan Foothill	Chettri R, Tamang M, Sarkar BC, Shukla G, Vineeta , Debnath MK, Nath AJ, Bhatt JA, Chakravarty S	2023	Tropical Ecology	IF-1.33
2.	The urge of conserving tradition from climate change: A case study of Darjeeling	Vineeta , Tamang, B, Shukla G, Chakravarty S	2023	Nature-Based Solutions	Peer reviewed

Sl. No	Title	Author	Year	Publisher	NASS /IF
	Himalayan large cardamom-based traditional agroforestry farming system				
3.	Quantitative Assessment of Floristic Diversity in Large Cardamom based Traditional Agroforestry System cross altitudinal Gradient in Darjeeling Himalaya, India	Vineeta , Tamang, B, Shukla G, Chakravarty S	2023	Indian Journal of Ecology	Nass-5.79
4.	Folk therapeutic uses of ethnomedicinal plants to cure gynecological disorders- A Meta-Analysis of West Bengal State in India	Vineeta , Shukla G, Bhatt JA and Chakravarty S	2022	Ethnobotany Research and Applications	IF-2.17
5.	Bioprospecting Wild Edible Plants in Post COVID-19 Scenario for Boosting Community Immunity: The Traditional Way 49):169-171	Chakravarty S, Vineeta , Das S, Shukla G	2022	Agriculture and Food-E Newsletter	-
6.	Floristic diversity and species composition in Urban areas at Sub-Himalayan region of West Bengal, India 49(3): 689-697	Pradhan R, Sarkar BC, Siril S, Singh M, Vineeta and Chakravarty S	2022	Indian Journal of Ecology	Nass-5.79
7.	Biomass carbon and soil nutrient status in urban green sites at foothills of eastern Himalayas: Implication for carbon management	Pradhan R, Manohar AK, Shukla G, Mendup T, Vineeta , Bhat JA, Kumar M and Chakravarty S	2022	Current Research in Environmental Sustainability	IF-7.964
8.	Floristic diversity, and conservation status of large cardamom based traditional agroforestry system along an altitudinal gradient in the Darjeeling Himalaya, India	Vineeta , Sarkar BC, Tamang M, Shukla G, Debnath MK, Nath AJ, Chakravarty S	2022	Agroforest System	IF-2.21
9.	Traditional homegardens and ethnomedicinal plants: Insights from the Indian Sub-Himalayan region	Roy M, Sarkar BC, Manohar AK, Shukla G, Vineeta , Debnath MK, Nath AJ, Bhat JA and Chakravarty S	2022	Trees, Forests and People	IF-1.18
10.	Species richness and folk therapeutic uses of ethnomedicinal plants in West Bengal, India – A meta-analysis. doi: https://doi.org/10.1016/j.phyplu.2021.100158	Vineeta , Shukla G, Bhat JA and Chakravarty S	2022	Phytomedicine Plus	IF-5.34
11.	Fuelwood species diversity and consumption pattern in the homegardens from foothills of Indian Eastern Himalayas	Roy M, Sarkar BC, Manohar AK, Shukla G, Vineeta , Nath AJ, Bhat JA and Chakravarty S	2022	Agroforest System	IF-2.21

Sl. No	Title	Author	Year	Publisher	NASS /IF
12.	Effect of Seed Priming on Germination and Nursery Establishment of (L.) Kurz (Dhawai.)	S. Dinesha, Shukla G, Vineeta , Roy B, Debnath MK, Chakravarty S	2022	Indian Journal of Ecology	NASS - 5.79
13.	Macro- proliferation Cup Technique for Mass Multiplication of <i>Woodfordia fruticosa</i> Dhawai (L.) Kurz. in Sub-humid Foothills of Eastern Himalaya	Dinesha S, Vineeta , Shukla G, Mondal HA and Chakravarty S	2021	Indian Journal of Ecology	NASS - 5.79
14.	Ecosystem Services of Traditional Large Cardamom Based Agroforestry Systems of Darjeeling and Sikkim Himalayas. 40 (1): 78 - 91	Vineeta , Tamang B, Saril S, Singh M, Das S, Shukla G, Chakravarty S	2021	Journal of Tree Sciences	IF- 0.67
15.	Carbon Storage of Single Tree and Mixed Tree Dominant Species Stands in a Reserve Forest- Case Study of the Eastern Sub-Himalayan Region of India. 10, 435.	Rai P, Vineeta , Shukla G, Manohar AK, Bhat JA, Kumar A, Kumar M, Cabral-Pinto M and Chakravarty S	2021	Land	IF- 3.39
16.	Stand Structure, Biomass and Carbon Storage in <i>Gmelina arborea</i> Plantation at Agricultural Landscape in Foothills of Eastern Himalayas. 10, 387.	Tamang M, Chettri R, Vineeta , Shukla G, Bhat JA, Kumar A, Kumar M, Suryawanshi A, Cabral-Pinto M and Chakravarty S	2021	Land	IF- 3.39
17.	Sporadic Flowering in <i>Bambusa balcooa</i> in Sub-Himalayan region of West Bengal. 147(4): 403-404	Kumar PS, Vineeta , Panwar P and Chakravarty S	2021	Indian Forester	NASS -5.10
18.	Seasonal relation of NTFPs and socio-economic indicators to the household income of the forest-fringe communities of Jaldapara National Park	Lepcha LD, Shukla G, Moonis M, Vineeta , Bhat JA, Kumar M and Chakravarty S	2021	Acta Ecologica Sinica	IF- 0.93
19.	Diversity utilization and dependency on NTFPs- A case study of National Park in India sub-Himalayan region. 1-34	Lepcha LD, Shukla G, Vineeta and Chakravarty S	2021	Research Square	Peer-reveiwed
20.	Effects of growing media and growth hormones on the sprouting, rooting and field establishment of <i>Woodfordia fruticosa</i> (L.) Kurz (dhawai) in	Dinesha S, Vineeta , Shukla G, Rakesh S, Roy B and Chakravarty S	2021	Journal of Plant Development Sciences	NASS -4.13

Sl. No	Title	Author	Year	Publisher	NASS /IF
	sub humid foothills of Eastern Himalaya				
21.	When flowering of a species threatens its survival. 120 (1): 10-11	Kumar SP, Shukla G, Vineeta , Panwar P, Chakravarty S	2021	Current Science	IF-1.10
22.	Ecosystem services of urban green sites- A case study from Eastern Himalayan foothills.1-7.	Pradhan R, Manohar AK, Vineeta , Sarkar BC, Bhat JA, Shukla G, Chakravarty S	2020	Tree Forest and People	IF-1.18
23.	Livelihood Dependency on NTFP's among Forest Dependent Communities: An Overview. 146(7): 603-612	Lepcha LD, Vineeta , Shukla G, Chakravarty S	2020	Indian Forester	NASS -5.10
24.	Litter Fall Pattern and Nutrients Dynamics of <i>Swietenia macrophylla</i> (King) Plantation in Terai region, West Bengal, India. Indian Forester. 146 (1):7-12	Dinesha S, Dey AN, Vineeta , Deb S, Debnath MK	2020	Indian Forester	NASS -5.10
25.	Use of ethno medicinal plants by ethnic people for the treatment of dermatological problems.12(1): 7-15	Vineeta , Manohar AK, Shukla G, Manohar AK, Sarkar BC and Chakravarty S	2020	Journal of Plant Development Sciences	NASS -4.13
26.	Aquaculture in homestead agroforestry- A sustainable means for doubling farmers' income in foothills of Indian Eastern Himalaya. 21(2):64-68.	Pala NA, Sarkar BC, Manohar AK, Shukla G, Vineeta , Patra SP and Chakravarty S	2019	Indian Journal of Agroforestry	NASS -5.19
27.	Ethno-Botanical Plant Diversity in Home Gardens based Agroforestry System in Kanchendzonga Biosphere Reserve, Sikkim, India. 38: 59-69	Lepcha LD, Shukla G, Vineeta , Sarkar BC, Tamang M, Chettri R, Manohar AK, Pala NA and Chakravarty S	2019	Journal of Tree Sciences	-
28.	Ecosystem Services provided by homegarden. 1(9): 39-41.	Sarkar BH, Manohar A, Shukla G, Pala NA, Vineeta , and Chakravarty S	2019	Agriculture and Food-E Newsletter	-
29.	Wood specific gravity of some tree species in sub-tropical humid climate in India. 146 (7): 309-314	Tamang B, Sarkar BC, Pala NA, Shukla G, Vineeta , Sofi PA and Chakravarty S	2019	Indian Forester	NASS -5.10
30.	Let's not Lose the Horror of Midnight Horror Tree. Vol. 5	Vineeta , Shukla G, Pala NA and Chakravarty S	2019	International Journal of	-

Sl. No	Title	Author	Year	Publisher	NASS /IF
	(1): 44-49			Minor Fruits, Medicinal and Aromatic Plants	
31.	Species diversity, size and component arrangement in homegardens of North Bengal, India 20(2): 1-5	Subba M, Sarkar BC, Pala NA, Shukla G, Vineeta and Chakravarty S	2018	Indian Journal of Agroforestry	NASS -5.19
32.	Influence of Socio-Economic Factors on Attitude of Ethno-Botanical Users among Forest Fringe Communities in Sub-Himalayan Region of West Bengal, India. 27-35	Biswakarma S, Pala NA, Shukla G, Vineeta , Pradhan K, Chakravarty S	2018	Indian Journal of Hill Farming	NASS -5.04
33.	Contribution of NTFPs on livelihood of forest fringe communities in Jaldapara National Park, India. 1-17.	Lepcha LD, Shukla G, Pala NA, Vineeta , Pal PK and Chakravarty S	2018	Journal of Sustainable Forestry	IF- 1.48
34.	Uses and ecosystem services of trees outside forest (TOF)-A case study from Uttar Banga Krishi Viswavidyalaya, West Bengal, India. 1-7.	Tamang B, Sarkar BC, Pala NA, Shukla G, Vineeta , Patra PS, Bhat JA, Dey AN, Chakravarty S	2018	Acta Ecologica Sinica	IF- 0.93
35.	Influence of Seed Priming on germination and seedling growth of <i>Adeanthera Pavonina</i> in Sub-Humid Region of West Bengal, India. 87-91.	Vineeta , Shukla G, Pala NA, Dobhal S and Chakravarty S	2018	Indian Journal of Tropical Biodiversity	-
36.	Fuelwood extraction by indigenous, rural and urban poors does not risk trees and forest: a case study from Jharkhand, India. 2(3):164-168	Shukla G, Kumari A, Manohar A, Vineeta , Chakravarty S.	2018	Forestry Research and Engineering: International Journal	-
37.	Indigenous uses of ethano-medicinal plants among forest dependent communities of Northern Bengal, India.14:8	Raj AJ, Biswakarma S, Pala. NA, Shukla G, Vineeta , Kumar M, Chakravarty S, Bussmann RW	2018	Journal of Ethnobiology and Ethanomedicine	IF- 3.01
38.	Traditionally used medicinal plants for treatment of stomach disorder in West Bengal, India: A scrutiny and analysis from secondary literature. 12(3):	Vineeta , Pala. NA, Shukla G, Chakravarty S	2018	Studies on Ethanomedicine	IF- 0.10

Sl. No	Title	Author	Year	Publisher	NASS /IF
	163-183.				
39.	Plants for liver and jaundice treatment: A case study from forest fringe communities in North Bengal, <i>India</i> . Vol. 23, No 2 (54): 145–151	Biswakarma S, Pala. NA, Shukla G, Vineeta , Chakravarty S	2017	Forestry Ideas-an International Journal	IF-0.24
40.	Ehano-medicinal plants used to cure stomach disorders in forest fringe communities in Northern part of West Bengal. 8(4):370-380.	Biswakarma S, Pala NA, Shukla G, Vineeta , Chakravarty S	2017	Indian Journal of Natural Products and Resources	NASS -4.21
41.	<i>Murrayakoenigii</i> (L): A Multipotential Medicinal Plants. 11-13	Vineeta , Dey T and U. Lepcha U	2017	Life Science Leaflets	-
42.	Rooting and shooting behaviour of <i>Terminalia bellerica</i> roxb. under controlled condition. 47-51	Vineeta	2017	Life Science Leaflets	-
43.	Plant Diversity, structure and uses of the plants in home garden of Jharkhand, India. 25(1): 40-50.	Shukla G, Vineeta , Kumari A and Chakravarty S	2017	Indian Journal of Tropical Biodiversity	-
44.	Morphological and Genetic Variability Studies in <i>Centella asiatica</i> of Darjeeling Hills. 3(2): 12-17.	Thapa B, Mahato SK, Khawas T, Chettri B, Vineeta and Ghimiray TS	2016	Journal of Agriculture and Technology	-

Book Chapters

1. Sivasankarreddy K, Manohar AK, Shukla G, **Vineeta**, Rather MM and Chakravarty S. 2021. *In Vitro* Approaches for Mass Propagation of *Stevia rebaudiana*. In: Biotechnology of anti-diabetic medicinal plants, eds. Gantait, S.; Verma S. K. and Sharangi, A. B. Springer Nature Singapore Pte ltd. Pp. 132-147 [ISBN 978-981-16-3528-1 ISBN 978-981-16-3529-8 (eBook) <https://doi.org/10.1007/978-981-16-3529-8>
2. Chakravarty S, Pala NA, **Vineeta**, Dey T, Lepcha U and Shukla G. 2021. Forest and Forestry. In: Agriculture, Environment and Biotechnology, eds. Rakshit A, Singh hb, Singh AK, Abhilash PC, Sharma BK, Tripathi VK, Prewa HP. Association of Agriculture, Environment and Biotechnology
3. Chakravarty S, Puri A, Manohar AK, Rai P, Lepcha U, **Vineeta**, Pala NA, Shukla G. 2020. Linking Social Dimension of Climate Change: Transforming Vulnerable Smallholder Producers for Empowering and Resiliency. In: Climate Change and Agroforestry Systems: Adaptation and

- Mitigation Strategies, eds. Raj A, Jharia MK, Yadav DK, Banerjee A. *Apple Academic Press*. Pp 169-207 (ISBN: 13:978-1-77188-822-6).
4. Manohar AK, Sarkar BC, Pandey A, **Vineeta**, Das S, Shukla G, Mondal HA, Chakravarty S. 2020. Stevia (*Stevia rebaudiana* Bert.) A Promising Drug for the Future. In: Medicinal and Aromatic Plants: Utilization and Conservation, eds. Shukla G, Roy B, **Vineeta**, Chakravarty S. *New India Publishing Agency, New Delhi*. Pp 43-52 (ISBN: 978-93-89571-87-5).
 5. Chakravarty S, Rai P, **Vineeta**, Pala NA and Shukla G. 2019. Litter Production and Decomposition in Tropical Forest. In: Handbook of Research on the Conservation and Restoration of Tropical Dry Forests, eds. Bhadouria R, Tripathi S, Srivastava P Singh P. *IGI Global*. Pp 193-212 (ISBN 13: 9781799800149).
 6. Shukla G, **Vineeta**, Pala NA, Manohar AK, Puri A and Chakravarty S. 2019. Bioprospecting Wild Plant Resources to Ensure Food and Nutritional Security. In: Recent Trends and Advances in Food Science and Post Harvest Technology, eds. Chakravarty I, Ilahy R, Vikram B, Sujayasree OJ Mani A. *Satish Serial Publishing House, New Delhi*. Pp 219-262. (ISBN: 9769366020534).
 7. Chakravarty S, Pala NA, Tamang B, Sarkar BC, Manohar A, Rai P, Puri A, **Vineeta**, and Shukla G. 2019. Ecosystem Services of Trees Outside Forest. In: Sustainable Agriculture, Forest and Environmental Management. *Springer*. Pp- 327-352.
 8. Shukla G, **Vineeta**, Pala NA and Chakravarty S. 2016. Forest Seed Science- Necessity for the present-day forestry. In: Forest Seed Science and Management, eds. Shukla, G (2017) Forest seed science and management. *New India Publishing Agency, New Delhi*. Pp 1-10. (ISBN: 978-93-85516-75-7).
 9. Chakravarty S, Puri A, **Vineeta**, Dey T, Rai P, Pala NA and Shukla G. 2018. Climate Change Impact vis-à-vis Biodiversity. In: Forest Climate Change and Biodiversity, eds. Sood KK, Mahajan V. *Kalyani Publishers*. Pp223-241

Book

1. Chakravarty S, **Vineeta**, Jahangeer AB, Kumar M, Shukla G. (2024). Sustainable and Conservation Management of Environmental Resources in India. Apple Academic Press. (ISBN hard: 978-1-77491-592-9.) (on press)
2. Shukla G, Roy B, **Vineeta** and Chakravarty S. (2019). Medicinal and Aromatic Plants utilization and Conservation. New India Publishing Agency, New Delhi. (ISBN: 9789389574875).
3. Shukla G, Pala NA, **Vineeta** and Chakravarty S. (2017). Question Bank on Forestry. New India Publishing Agency, New Delhi. (ISBN: 9789386546371).

Short Communication

1. Kumar S, Shukla G, Vineeta, Panwar P, Chakravarty S. (2021). When flowering of a species threatens its survival. *Current Science*. 120(1): Pp 9-10

Practical Manual

1. Chakravarty S, Dey AN, Shukla G, Pala NA and **Vineeta** (2017). Practical Manual on Forestry. Published by Department of Forestry, Uttar Banga Krishi Vishwavidyalaya, Pundibari, Cooch Behar

Training Manual

1. Shukla G, Manohar A, **Vineeta**, Pala NA and Chakravarty S (2017). Training manual on medicinal plant cultivation and conservation. Published by Department of Forestry, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar. Pp-80 (in English).
2. Chakravarty S, Shukla G, **Vineeta**, Pala NA and (2017). Training manual on medicinal plant cultivation and conservation. Published by Department of Forestry, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar. Pp-72 (in Bengali).

Abstracts Published in International/National Seminars/Symposia/Conferences

1. **Vineeta**, Shukla G, Mukhopadhyay D, Pal PK and Chakravarty S (2019). Medicinal Plant Diversity in Large Cardamom Based Agroforestry System in Darjeeling Himalaya. In: National Seminar on “Cultivation, Conservation and Sustainable Utilization of Medicinal Plants for Livelihood Improvement “at Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar (WB) on 20th and 21st November, 2019
2. **Vineeta**, Lepcha LD, Rai P, Shukla G, Pala NA Vineeta, Chakravarty S (2017). Effect of different presowing treatment on germination and seedling growth of *Adenanther pavonina* for terai zone of West Bengal. In: *4th International Symposium on Minor Fruits and medicinal Plants on Minor Fruits and Medicinal Plants*, eds. Publication committee of the Symposium, CHF, CAU, Pasighat
3. **Vineeta**, Shukla G, Pala NA, Biswakarma S, Chakravarty S (2017). *Woodfordia fruticosa*: Muti used threatened plant. In: *4th International Symposium on Minor Fruits and medicinal Plants on Minor Fruits and Medicinal Plants*, eds. Publication committee of the Symposium, CHF, CAU, Pasighat
4. Chakravarty S, Shukla G, **Vineeta**, Manohar A, Pala NA (2017). Ginkgo biloba (Maiden tree): A living fossils with multiple uses. In: *4th International Symposium on Minor Fruits and medicinal Plants on Minor Fruits and Medicinal Plants*, eds. Publication committee of the Symposium, CHF, CAU, Pasighat
5. Shukla G, Lepcha LD, Rai P, **Vineeta**, Pala NA and Chakravarty S (2017). Utilization pattern of NTFPs among forest dependent communities in Jaldapara National Park in West Bengal. In: *4th International Symposium on Minor Fruits and medicinal Plants on Minor Fruits and Medicinal Plants*, eds. Publication committee of the Symposium, CHF, CAU, Pasighat
6. Manohar A, Sharma P, Shukla G, **Vineeta**, Pala NA, Chakravarty S (2017). Conservation priorities and ethanobotanical importance of vulnerable tree species: *Saraca asoca*. In: *4th*

International Symposium on Minor Fruits and medicinal Plants on Minor Fruits and Medicinal Plants, eds. Publication committee of the Symposium, CHF, CAU, Pasighat

7. Sarkar BC, Pala NA, Shukla G, **Vineeta**, Chakravarty S (2017). Fruit plant diversity in homegarden of Cooch Behar, West Bengal, India. In: *4th International Symposium on Minor Fruits and medicinal Plants on Minor Fruits and Medicinal Plants*, eds. Publication committee of the Symposium, CHF, CAU, Pasighat
8. Manohar A, Rai P, Lepcha U, Dey T, Biswakarma S, Sarkar BC, Shukla G, Pala NA **Vineeta**, Chakravarty S (2017). Conservation and sustainable management approaches of ethanobotanic plants for livelihood improvement. In: *4th International Symposium on Minor Fruits and medicinal Plants on Minor Fruits and Medicinal Plants*, eds. Publication committee of the Symposium, CHF, CAU, Pasighat.

**Participation in International/ National/State level Conferences:
Details**

<i>Sl. No.</i>	<i>Name of the Seminar/ Symposium/ Conference/ workshop</i>	<i>Place</i>	<i>Date</i>	<i>Duration (days)</i>
1.	National Conference on “Bioresource management for sustenance of ecosystem and livelihood”	UBKV	26 th to 29 th Nov, 2015	04
2.	Workshop on “Food security and climate change in India”	UBKV	5 th Dec, 2016	01
3.	Northeast Green Summit 2017	TURA campus, Meghalaya	1 st to 5 th , Dec, 2017	05
4.	Workshop on “Experimental learning, entrepreneurship and needs of agro-industry”	UBKV	28 th Feb, to 1 st Mar, 2017	03
5.	International symposium on “Minor fruits, medicinal and aromatic plants”	Central Agriculture University, Passighat	5 th to 6 th Dec, 2017	02
6.	National conference on “Enhancing nutritional security through climate smart farming practices”	UBKV	17 th to 18 th Mar, 2017	02
7.	Workshop on “Farming diversity for doubling farmers income	UBKV	18 th Sep, 2018	01
8.	4 th International conference on Environment and Ecology	Gauhati University, Assam	12 th to 14 th Feb, 2018	03
9.	Participated in 105 th Indian Science congress	Manipur University, Imphal	16 th to 20 th Mar, 2018	05
10.	National seminar on “Understanding the earth for resourcing future generation”	North-Eastern Hill University, Shillong	5 th to 6 th Mar, 2018	02
11.	National seminar on “Utilization, conservation and sustainable utilization of medicinal plants for livelihood improvement”	UBKV	9 th to 20 th Sep, 2019	02
12.	National Webinar on “Avenues in Forestry for Farmers and Students”	College of Horticulture and Forestry, Jhalawar, Kota	3 rd to 4 th July, 2020	02
13.	National Webinar on “Agroforestry system in India”	Rajapalayam college, Tamilnadu	22 nd July, 2020	02
14.	National seminar “Cultivation, conservation and sustainable utilization of Medicinal Plants for Livelihood Improvement’	UBKV	20 th to 21 st Nov, 2019	02

15.	National conference “Diversified farming system:Sustainable livelihood and doubling farmers income	UBKV	17 th to 18 th Jan, 2019	03
16.	6 th International symposium on “Minor fruits, medicinal and aromatic plants: health, wealth and sustainability	UBKV	24 th to 26 th Nov, 2022	03
17.	National conference on “Technological advancement, innovation and entrepreneurship development in agriculture and allied sector”	UBKV	16 th to 18 th Mar, 2023	02
18.	Bodoland International Knowledge Festival, 2023, India	Bodoland University, Kokrajhar	27 th Feb to 2 nd Mar, 2023	05
19.	National seminar on “Climate resilient and Input efficient agriculture for food and nutritional security’	UBKV	19 th to 20 th Jan, 2023	02

Declaration

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

Place : Coochbehar

CURRICULAM VITAE



Sl. No.	Particulars		Details
1.	Name		Dr. Sumit Chakravarty
2.	Designation		Professor
3.	Department		Forestry
4.	Educational Qualifications		M.Sc. (Forestry), Ph.D.
5.	Contact Details	(a) Email id: c_drsumit@yahoo.com (b) Phone/Mobile : 9434082687/8250279926	
6.	Post held since (year):		2002
7.	Area of Specialization :		Forest Ecology, Agroforestry, Medicinal Plants
8.	No. of Publications	a) Research Papers : 91 b) Book Chapters : 34 c) Books : 06	
9.	Award/Honors:		
Sl. No	Name of Award	Awarding Agency	Year
a.	Scientist of the Year-2017		2017

10. Publications (Best Five):

1. Raj AJ, Biswakarma S, Pala NA, **Shukla G**, Vineeta, Kumar M, Chakravarty S, Bussman R. W. 2018. Indigenous uses of ethnomedicinal plants among forest-dependent communities of northern Bengal, India. *Journal of Ethnobiology and Ethnomedicine* **14**: 8 DOI 10.1186/s13002-018-0208-9.
2. Shukla G and **Chakravarty S**. 2018. Biomass, primary nutrient and carbon stock in a sub Himalayan forest of West Bengal, India. *Journal of Forest and Environmental Science* **34**: 12-23.
3. Shukla G, Pala NA and **Chakravarty S**. 2017. Quantification of organic carbon and primary nutrients in litter and soil at foothill forest stands of Eastern Himalaya. *Journal of Forestry Research*, DOI 10.1007/s11676-017-0394-7.
4. Dey T, Pala NA, Shukla G, Pal PK, Das G and **Chakravarty S**. 2017. Climate change perceptions and response strategies of forest fringe communities in Indian Eastern Himalaya. *Environment, Development and Sustainability*. DOI 10.1007/s10668-017-9920-1.

5. Shukla G, Biswas R, Das, AP and **Chakravarty S** 2014. Plant diversity at Chilapata Reserve Forest of Terai Duars in sub-humid tropical foothills of Indian Eastern Himalayas. *Journal of Forestry Research*. DOI: 10.1007/s11676-014-0452-3.

6. Projects handled as PI and Co-PI (External funded)

Sl. No.	Project Title	Funding Agency	Amount (Rs. In lakh)	Status
1.	Production of quality planting materials of some important medicinal plants through identification, multiplication, supply of health elite genotypes in northern part of West Bengal (As PI)	NMPB, New Delhi	40.34	On-going
2.	- Standardization of agrotechnology and mass multiplication for production of quality seedlings of <i>Woodfordia fruticosa</i> , <i>Sida cordifolia</i> and <i>Desmodium gangeticum</i> (Co-PI)		23.98	On-going
3.	Assessment of ecosystem services in home garden agroforestry systems in Sikkim and sub-Himalayan region of West Bengal (CO-PI)	SERB, New Delhi	36.56	On-going
4.	Carbon sequestering status of forests, tea garden, agroecosystem and other plant based land use systems of terai zone of West Bengal (As PI)		18.83	Completed

Faculty Profile and Credential



Title : Dr.
Name : Mahabub Alam
Father's Name : Sekendar Ali
Present designation : Guest Lecturer, PPHT, F/H, UBKV
Present address : Pundibari, Coochbehar
Permanent address : Vill + P.O. Ghoragachha, P.S. Kalyani, Dist. Nadia, West Bengal
Tel./Fax No. :
Mobile No. : 9432087584
Date of birth : 12/07/1994
Caste : OBC
Marital status : Unmarried

Academic qualification:

Degree	Year	Institution/ Board	Area of Specialization	Percentage of Marks
PhD	2023	BCKV, Mohanpur	Fruit Science	89.90
PG	2019	BCKV, Mohanpur	Fruit Science	86.80
UG	2017	UBKV, Pundibari	Horticulture	79.10
HS (10+2)	2012	KUEHS, Kalyani		76.20
Madhyamik (10 th)	2010			86.37
NET qualified	2022	ASRB		52.22
Any other				

Teaching experience and associated courses:

UG Course:

Course Name	Course Code	Credit Hour	Semester & Faculty
Fundamentals of Horticulture	PPT101	1+1	B.Sc. 1 st , Hort.
Propagation & Nursery Management	PPT102	1+1	B.Sc. 1 st , Hort.
Temperate Fruits	PPT201	1+1	B.Sc. 3 rd , Hort.
Orchard and Estate Management	PPT-151	1+1	B.Sc. 2 nd , Hort.
Growth and Development of Horticultural Crops	PCP-151	1+1	B.Sc. 2 nd , Hort.
Principles of Horticultural Crops and Plant Protection	HOR-151	1+1	B. Tech. 2 nd
Tropical and Sub-tropical Fruits	PPT-251	3+1	B.Sc. 4 th , Hort.
Production Technology of Fruits and Plantation Crops	PPT-252	1+1	B.Sc. 4 th , Ag.

PG Course:

Course Name	Course Code	Credit Hour	Semester & Faculty
Tropical Fruit Production	FSC501	2+1	M.Sc. 1 st , Hort.
Sub-tropical and Temperate Fruit Production	FSC502	2+1	M.Sc. 1 st , Hort.
Propagation & Nursery Management of Fruit Crops	FSC503	2+1	M.Sc. 1 st , Hort.
Breeding of Fruit Crops	FSC-504	2+1	M.Sc. 2 nd , Hort.
Minor Fruit Production	FSC-513	2+1	M.Sc. 2 nd , Hort.
Growth & Development of Fruit Crops	FSC506	2+1	M.Sc. 3 rd , Hort.
Canopy Management of Fruit Crops	FSC507	1+1	M.Sc. 3 rd , Hort.

PhD Course:

Other academic activity:

Previous working Experience:

Academic Supervising Experience:

UG:

<i>Sl. No.</i>	<i>Year</i>	<i>Title of project report</i>

PG:

<i>Sl. No.</i>	<i>Year</i>	<i>Title of thesis</i>

PhD:

<i>Sl. No.</i>	<i>Year</i>	<i>Title of thesis</i>

Project Exposure and Consultancy:

Academic Society Association:

1. Life member of the “Indian Science Congress” with membership no. L39152.
2. Life member (Sl. No. 3761) of “Crop and Weed Science Society (CWSS)” holding registration no. S/IL/24559

Training Course coordination:

Administrative experience:

Extracurricular Activity:

1. Participated in Arts (On the spot painting) section by representing Uttar Banga Krishi Viswavidyalaya in the 15th All India Inter Agricultural University Youth Festival 2014-15 held from March 18 to 21, 2015 at ICAR-National Dairy Research Institute, Karnal.

University literature publication:

Rural Agricultural Work Experience involvement:

Resource person:

Reviewer:

Training Programme Participation:

2. Participated and completed the two day “Sensitization Workshop on Experiential Learning, Entrepreneurship and Needs of Agro-Industry” organised by Uttar Banga Krishi Viswavidyalaya in association with ICAR- National Academy of Agricultural Research Management (NAARM) and The Bengal Chamber of Commerce & Industry (BCC&I) during 28th February – 1st March, 2017.
3. Participated in UK-India Education and Research Initiative (UKIERI) Project Workshop on Entrepreneurship as an Alternate Career Mode held on February 19, 2020 at Bidhan Chandra Krishi Viswavidyalaya.
4. Participated and successfully completed 3 days HRD training programme during March 22nd - 24th, 2021 on “Novel pragmatic Approaches to Crop Improvement, Production and Management” organised by Directorate of Extension Education, Bidhan Chandra Krishi Viswavidyalaya.
5. Participated in the two days training programme on “Entrepreneurship Development Through Hi-Tech Horticulture” organised by Director of Extension Education, Bidhan Chandra Krishi Viswavidyalaya on 6th and 7th August, 2021.
6. Participated in the National Online Training on Conservation, Management & Utilization of Horticultural Genetic Resources for Livelihood and Nutritional Security organized by ICAR-IIHR, Bengaluru from 22-26 November, 2021.
7. Successfully participated in IP Awareness/ Training programme under National Intellectual Property Awareness Mission organized by Intellectual Property Office, India on July 04, 2022.
8. Participated in the two days workshop cum training entitled “Intellectual property rights in agriculture” held at Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar during 18-19 December, 2022.

Scholarships/Fellowships:**Award:**

1. Best poster paper award on the topic “Off-season production of Dragon fruit: Constraints and mitigation options” in the 9th Indian Horticulture Congress held at Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, Uttar Pradesh from 18-21 November, 2021.
2. Best oral presentation award on the topic “Effect of pollination on production and quality of dragon fruit” in the National Seminar on Horticulture for Sustainable Development, Nutritional & Livelihood Security held at Uttar Banga Krishi Viswavidyalaya, Cooch Behar, West Bengal during 26th – 27th May, 2022.

External expert:**Publication:**

1. Alam, M., Mani, A., Mitra, S. and Bauri, F. K. (2020). Flowering, Fruiting and Physio-chemical properties of Jamun (*Syzygium cumini* Skeels) grown in Nadia district of West Bengal. *Adv. Biores.*, 11: 1-5.
2. Mani, A., Alam, M., Mitra, S. and Bauri, F. K. (2020). Identification and Conservation of Elite Water Apple (*Syzygium aqueum* Alst.) Genotypes from West Bengal. *Chem. Sci. Rev. Lett.*, 9(34): 278-282.

3. Dey, S., Datta, S., Alam, M. and Datta, P. (2022). Impacts of vermicompost and different organic growing media on the morpho-physiological characters of dragon fruit (*Hylocereus costaricensis* L.) in new alluvial zone of West Bengal. *Pharma Innovation*, 11(7): 315-318.
4. Alam, M., Hasan, M. A., Mondal, T., Rathod K. H. and Chhetri, S. (2022). Studies on the intensity of cladode pruning on vegetative and reproductive behaviour of dragon fruit (*Hylocereus costaricensis*). *Journal of Crop and Weed*, 18(2): 104-110.
5. Dey, S., Datta, S., Alam, M. and Datta, P. (2022). Evaluation of physico-chemical attributes and postharvest qualities of Himsagar mango with the exogenous application of growth regulators, anti-oxidant and geotextile mulch. *Journal of Crop and Weed*, 18(3): 185-189.
6. Chhetri, S., Alam, M., Hasan, M. A. and Lama, A. (2022). The efficacy of varying length of cladode cutting and IBA concentration on root and shoot growth in dragon fruit (*Hylocereus costaricensis* [F.A.C. Weber] Britton and Rose.) cv. Royal Moroccan Red. *Journal of Crop and Weed*, 18(3): 190-194.
7. Devi, K. P., Alam, M.*, Hasan, M. A., Dey, S., Rathod, K. H., Karmakar, B., Nasim, A. and Mondal, T. (2023). Studies on the floral behaviour of dragon fruit (*Hylocereus costaricensis*) and their qualitative characters. *Environment and Ecology*, 41(1): 174-179.
8. Mondal, T., Sarkar, T., Alam, M., Sarkar, S. K., Rathod, K. H. and Bauri, F. K. (2023). Effect of foliar application of micronutrients on plant growth, yield and fruit quality of Thai guava (*Psidium guajava* L.). *Journal of Crop and Weed*, 19(1): 88-94.
9. Mondal, T., Chattopadhyay, S., Mandi, G., Alam, M., Bauri, F. K., and Kundu, S. (2023). Survey and selection of superior rose apple (*Syzygium jambos* L.) genotypes from West Bengal. *Environment and Ecology*, 41(2B), 1247-1249.
10. Rathod, K., Bhattacharjee, P., Patel V., Nisar, S. and Alam, M. (2023) Effect of synthetic auxin 3,5,6-TPA and ZnSO₄ on preharvest fruit drop, fruit growth, yield potential and shelf life of acid lime (*Citrus aurantifolia*) cv. Kagzi. *Vegetos*. ACCEPTED

Full Papers in International Journal: (in numbers)

Full Papers in National Journal :

Review paper:

Research note/ short communication in National Journal:

Extension Literature/Article:

Proceedings paper:

Book Chapters:

Books:

Abstract published:

List of Publications (Citation style)

A. Research Papers in International Journal: 9

B. Research Papers in National Journal:

C. Review paper:

D. Research Notes/Short Communication in National Journal:

E. Conference Proceedings:

F. Extension literature/Article:

G. Book Chapters:

H. Books:

**Participation in International/ National/State level Conferences:
Details**

<i>Sl. No.</i>	<i>Name of the Seminar/ Symposium/ Conference/ workshop</i>	<i>Place</i>	<i>Date</i>	<i>Year</i>	<i>Duration (days)</i>
1	Agriculture and Forestry Sciences during the 107 th Indian Science Congress.	UAS, Bangalore	January 3 to 7	2020	5
2	“National Seminar on Horticulture for Next Generation in Eastern India”.	BAU, Sabour	August 5 to 6	2021	2
3	9 th Indian Horticulture Congress	CSAUAT, Kanpur	Nov 18 to 21	2021	4
4	National Online Training on Conservation, Management & Utilization of Horticultural Genetic Resources for Livelihood and Nutritional Security	ICAR- IIHR, Bengaluru	Nov 22 to 26	2021	5
5	“Integrated Agriculture, Natural Farming, Biodiversity Conservation and Rural Bio-Entrepreneurship under Changing Climate Scenario”	CAU, Meghalaya	Dec 7 to 9	2021	3
6	“Horticulture for Sustainable Development, Nutritional & Livelihood Security” 26 th – 27 th May, 2022.	UBKV, Cooch Behar	May 26 to 27	2022	2

Declaration

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

Place : Coochbehar

Mahabub Alam
(Signature)

9. Fee :

- Details of fee, as approved by State Fee Committee, for the Institution

Sl. No.	Items	UG
		Technology
1.	Laboratory fees	225
2.	Establishment Charge	500
3.	Examination fees	225
4.	Library fees	225
5.	Session charge	225
6.	Students Welfare Charges	300
7.	Internet Charges	300
8.	Medical Charges	300
	Total- 1 = (above Sl. No. 1 to 8) -	2300
A.	Tuition Fee	10200
	Net Payable by the students for each Semester (from 2nd to 8th semester) (Without Hostel) Total -2 =Rs. (Total -1 + A)-	12500
B.	Hostel Establishment Fees to be collected per month – total 6 months for each semester (100 X 6 = 600)	600
	Net Payable by the students for each Semester (from 2nd to 8th Semester) (With Hostel) Rs. = (Above Total -2 + B) -	13100

- Time schedule for payment of fee for the entire programme

At the time of admission in 1st semester Rs. 22000.00 For hostler & Rs. 18100.00 for Day scholar And 2nd Semester to 8th semester for each semester Rs. 13100.00 for Hosteler and Rs. 12800.00 for Day Scholar. After the end of each semester extra 7 days granted for submission of the semester fees. After this period if any student wants to submit the semester fees, he/she can submit it late fees.

- No. of Fee waivers granted with amount and name of students

Number of fee waivers granted	Admitted under fee waivers granted for the session 2022 -23	Fee waived amount	Name of students admitted under TFW for the session 2022-23
2	01	Rs. 10200/- Per semester	Disha Paul (Registration no. AE-2022-07-B)

- Number of scholarship offered by the Institution, duration and amount

SL. No.	Scholarships		Duration	Amount
1.	WBFS(WB Free Ship Scheme)	Half Free Ship	6 th Month	6000.00
		Full Free Ship	6 th Month	12000.00
2.	Free Student ship		6 th Month	12000.00
3.	Merit Scholar ship	Senior Merit Scholar ship	6 th Month	1350.00
		Merit Scholar Ship	6 th Month	1050.00

- **Criteria for fee waivers/scholarship**

- i. **WBFS**

- A. Financial yearly income below Rs. 2, 50,000.00 with certificate issued by the competent authority, In this case minimum B.D.O rank officers.

- B. The minimum GPA (Grade Point Average) criteria for eligibility of this scheme is 6.5 out of 10 for the concerned semester.

- ii. **University Free Studentship:**

- A. Students, whose annual family income is less than 1.50 lakh from all sources shall only be eligible for this Scholarship.

- B. The minimum GPA (Grade Point Average) criteria for eligibility of this scheme is 6.5 out of 10 for the concerned semester.

- **Estimated cost of Boarding and Lodging in Hostels**

Sl. No.	Items	UG
		Technology
1.	Hostel Entrance Fee	1000
2.	Mess Advance	1800
3.	Hostel development fees	500
4.	Hostel Establishment Fees to be collected per month – total 6 months for 1 st semester (100 X 6 = 600)	600
Total =		3900

10. Admission

- **Number of seats sanctioned with the year of approval:**

30 (Sanctioned by West Bengal Government)

- **Number of Students admitted under various categories each year in the last three Years:**

SL. No.	Category	No of Students	Total
1.	General	15	32
2.	SC	07	
3.	ST	02	
4.	OBC-A	03	
5.	OBC-B	02	
6.	TFW	02	
7.	General & PwD	01	

- **Number of applications received during last two years for admission under Management Quota and number admitted: NIL**

11. Admission Procedure: NA (Through WBJEE)

- Mention the admission test being followed, name and address of the Test Agency and its URL (website)
- Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test)
- Calendar for admission against Management/vacant seats:
 - Last date of request for applications
 - Last date of submission of applications
 - Dates for announcing final results
 - Release of admission list (main list and waiting list shall be announced on the same day)
 - Date for acceptance by the candidate (time given shall in no case be less than 15 days)
 - Last date for closing of admission
 - Starting of the Academic session

- The waiting list shall be activated only on the expiry of date of main list
- The policy of refund of the fee, in case of withdrawal, shall be clearly notified

12. Criteria and Weightages for Admission

- ☐ Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.
45% marks in 10+2 (12th standard Examination with Physics, Chemistry and Mathematics and English as a subject)
- ☐ Mention the minimum level of acceptance, if any
- ☐ Mention the cut-off levels of percentage and percentile score of the candidates in the admission test for the last three years: NA
- ☐ Display marks scored in Test etc. and in aggregate for all candidates who were admitted: NA

13. List of Applicants: NA

- List of candidate whose applications have been received along with percentile/percentage score for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats

14. Results of Admission under Management seats/Vacant seats: NA

- Composition of selection team for admission under Management Quota with the brief profile of members (This information be made available in the public domain after the admission process is over)
- Score of the individual candidate admitted arranged in order or merit
- List of candidate who have been offered admission
- Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate
- List of the candidate who joined within the date, vacancy position in each category before operation of waiting list

15. Information of Infrastructure and Other Resources Available

- Number of Class Rooms and size of each:

Sr. No.	Programme	Level	Building No.	Building Name	Room Type	Room No.	Average Carpet Area (Sqm)	Flooring	Wall & Painting	Elec & lighting	Furniture & Fixtures
1	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Classroom	1ST YR	50	Ready	Ready	Ready	Ready
2	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Classroom	2ND YR	50	Ready	Ready	Ready	Ready
3	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Classroom	3RD YR	50	Ready	Ready	Ready	Ready
4	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Classroom	4TH YR	50	Ready	Ready	Ready	Ready

- Number of Tutorial rooms and size of each:

1	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Tutorial Room	TR1	50	Ready	Ready	Ready	Ready
2	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Tutorial Room	TR2	50	Ready	Ready	Ready	Ready

- Number of Laboratories and size of each:

SL. No.	Programme	Level	Building No.	Building Name	Room Type	Room No.	Average Carpet Area (Sqm)	Flooring	Wall & Painting	Elec & lighting	Furniture & Fixtures
1.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Laboratory	ADC LAB	80	Ready	Ready	Ready	Ready
2.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Laboratory	FPL AB	100	Ready	Ready	Ready	Ready
3.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Laboratory	FRM SHD	600	Ready	Ready	Ready	Ready
4.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Laboratory	INSL AB	150	Ready	Ready	Ready	Ready
5.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Laboratory	LNG LAB	100	Ready	Ready	Ready	Ready
6.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Laboratory	PFE LAB	100	Ready	Ready	Ready	Ready
7.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Laboratory	PHY LAB	50	Ready	Ready	Ready	Ready
8.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Laboratory	RNW EGY	50	Ready	Ready	Ready	Ready
9.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Laboratory	SOIL ME	50	Ready	Ready	Ready	Ready
10.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Laboratory	SUR VEY	80	Ready	Ready	Ready	Ready
11.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Laboratory	SWC LAB	100	Ready	Ready	Ready	Ready

- Number of Drawing Halls with capacity of each:

SL. No.	Programme	Level	Building No.	Building Name	Room Type	Room No.	Average Carpet Area (Sqm)	Flooring	Wall & Painting	Elec & lighting	Furniture & Fixtures
1	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Drawing Hall	CVL DRW	150	Ready	Ready	Ready	Ready

- Number of Computer Centers with capacity of each:**

SL. No.	Programme	Level	Building No.	Building Name	Room Type	Room No.	Average Carpet Area (Sqm)	Flooring	Wall & Painting	Elec & lighting	Furniture & Fixtures
1.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Laboratory	CAD CAM	50	Ready	Ready	Ready	Ready
2.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Laboratory	CHM LAB	50	Ready	Ready	Ready	Ready
3.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Laboratory	COM LAB	150	Ready	Ready	Ready	Ready

- Central Examination Facility, Number of rooms and capacity of each:**

Central Examination Facility with proper illumination, air circulation, toilets and drinking water facility is available.

Number of room is 1 and capacity is 150 sets.

- Barrier Free Built Environment for disabled and elderly persons:**

We have all the classrooms on ground floor with ramp facility for barrier free built environment for differently abled and elderly persons.

- Occupancy Certificate:** NA
- Fire and Safety Certificate:** YES

- Hostel Facilities:**

Sr No.	No. of rooms having Single bed/room & Area of room in sq.m.	Building No.	Name of Building	No. of rooms bed/room & Area of room in sq.m.	Building No.	Name of Building	No. of rooms Triple/Three bed/room & Area of room in sq.m.	Building No.	Name of Building	No. of rooms having Four bed/room & Area of room in sq.m.	Building No.	Name of Building
1	Boys			28 & 40		APCR Hall	17 & 50		APCR HALL	Boys		APCR Hall
	&									8 & 60		
	Girl			5		TEESTA	2		TEESTA	Girls		

- Library**

- Number of Library books/ Titles/ Journals available (program-wise)
- List of online National/ International Journals subscribed
- E- Library facilities

- Laboratory and Workshop:**

- List of Major Equipment/Facilities in each Laboratory/ Workshop**

SL. No.	<u>Name of the Major Instrument/Machine/Software Available</u>
1.	Interactive Software Integrated Learning System (ISILS) software with 32 console User Interface and Audio Visual Equipment's.
2.	The laboratory has 25 number of personal computers connected with LAN and 1 GBPS internet bandwidth
3.	The laboratory has Auto CAD software and 19 number of personal computers connected with LAN and 1 GBPS internet bandwidth. Projectors and television screen are also available for better visualization

SL. No.	<u>Name of the Major Instrument/Machine/Software Available</u>
4.	Travelling Microscope
5.	Spectrometer
6.	Carey Foster Bridge
7.	Fresnel Bi-prism, Leaser
8.	Convex Lens and Optical Bench
9.	Screw Gauge
10.	1)Burette,2)Pipette, 3)Conical flusk 4) Beaker of different sizes 5)Volumetric Flusk 6)Digital weigh Electronic Balance) machine, 7)Water Distillation Unit, 8) Vacuum Desiccator, 9)Viscometer, 10) Hot air Oven,11)Modified Heater 12) Funnel, Watch glass, Glass rod, dropper, Spatula, Measuring Cylinder, Test tube etc.
11.	D.C. single phase 230 volt, 1,500 RPM, 2HP generator – motor set, 3 point starter, D.C. variac
12.	D.C. single phase 230 volt, 1,500 RPM, 2HP motor with 3 point starter, D.C. variac
13.	2 HP 1440 RPM, 415 Volt, 3 Amp, 50 Hz, 2 HP induction motor, continuously variable auto transformer (AE make) with output current 15 Amp per phase , input 415 Volt-3 Phase-50/60 Hz, output 0-470 Volt
14.	V-I characteristics trainer kit.
15.	Half wave, Full wave and Bridge rectifier trainer kit
16	Clipper and Clamper trainer kit
17.	IC 741 inverting and non-inverting amplifier trainer kit
18.	Differentiator and Integrator trainer kit
19.	Differential amplifier trainer kit
20.	Zener diode trainer kit
21.	Compression Testing Machine
22.	Vicat apparatus
23.	Direct Shear Test Apparatus
24.	Consolidation test apparatus
25.	Unconfined compression test apparatus
26.	Vane shear test apparatus (laboratory scale)
27.	IS Sieve set and sieve shaker

SL. No.	<u>Name of the Major Instrument/Machine/Software Available</u>
28.	Hydrometer set
29.	Core Cutter
30.	Sand replacement cone
31.	Proctor mould
32.	Permeameter
33.	Lathe
34.	Milling Machine
35.	Shaper Machine
36.	Drilling Machine
37.	Grinding Machine
38.	Hydraulic Hacksaw
39.	Melting Furnace
40.	Arc Welding Transformer
41.	Bench Vice, Hacksaw, Saw, File, Try Square, Jack Planner,
42.	Tap and Dies
43.	Cut model of 4-stroke diesel engine, 2-stroke petrol engine, Exhaust manifold, Oil filter, Fuel filter, Coupling flange, Cylinder head, Rocker box, Cylinder, Piston, Piston ring, Connecting rod, Gasket, Dashboard, Fly wheel
44.	Inlet valve, Exhaust valve, Valve spring, Push rod, Tappet, Crankshaft, Camshaft with cam gear Rocker box
45.	Pyknometer, Redwood viscometer, Pensky martine flash and fire point apparatuses, bomb calorimeter, Centrifuge, Titration unit (all available at Renewable Energy lab)
46.	Wet type air cleaner, Intel manifold
47.	Fuel injector, Governor
48.	Fuel injector, fuel pump
49.	Radiator and its fan
50.	Oil filter, oil pump, oil sump etc
51.	Open Model of tractor transmission system (available at Farm Implement shed)
52.	Open Model of tractor transmission system (available at Farm Implement shed)

SL. No.	<u>Name of the Major Instrument/Machine/Software Available</u>
53.	Open Model of tractor transmission system (available at Farm Implement shed)
54.	Open Model of tractor transmission system (available at Farm Implement shed)
55.	Open Model of tractor transmission system (available at Farm Implement shed)
56.	Steering wheel, Steering box
57.	Biogas burner
58.	Parabolic solar cooker
59.	Box type solar cooker
60.	Penske martin flash and fire point apparatus
61.	Water bath heater
62.	Titration units
63.	Bomb calorimeter
64.	Centrifuge
65.	Muffle furnace (available at Mechanical workshop)
66.	Gasifier (available at Farm Implement shed)
67.	Biogas plant
68.	Magnetic stirrer Digital balance Desiccator Double distillation, unit, Electronic pipette Bottle dispenser
67.	Pyknometer
69.	MB plough, dice plough, rotavator, sub-soiler, chisel plough, different types cultivator, offset disc harrow, Paddy trans-planter, Workshop tools, seed drill, potato planter, potato harvester, multi-crop thresher, plant protection implements etc
70.	Three point hitching system
71.	MB plough, dice plough, Dice Harrow, Rotavator, sub-soiler, chisel plough
72.	Paddy transplanter, seed drill, potato planter
73.	Paddy transplanter,
74.	Knapsack sprayer, Power sprayer, Power weeder, Foot sprayer
75.	Seed cum fertilizer drill
76.	Lawn mower

SL. No.	<u>Name of the Major Instrument/Machine/Software Available</u>
77.	Reaper
76.	Multi-crop thresher, Maize Sheller,
77.	Potato digger
78.	Three model of tractor, namely, Mahindra and Mahindra (Bhoomiputra and Yuvraj), John deer.
79.	Farm Instructional field
80.	Different facilities of Farm Power lab, Farm implement shed.
81.	Tilting flume (5 m)
82.	Parshall Flume
83.	Cut-throat flume
84.	V-notch, Rectangular and Trapezoidal weirs
85.	Water meter
86.	Venturi and Orifice meter
87.	5 HP diesel pump, 0.5 HP and 10 HP electric pumps
88.	Hand tubewell
89.	Submersible pump
90.	Model of cup type current meter
91.	Water level indicator
92.	Table top and hand held pH meters
93.	Table top and hand held EC meters
94.	Pressure plate apparatus
95.	Tensiometer
96.	Gypsum blocks
97.	FDR Soil moisture meter
98.	Pan evaporimeter
99.	Symon's raingauge
100.	Recording type raingauge

SL. No.	<u>Name of the Major Instrument/Machine/Software Available</u>
101.	Double ring infiltrometer
102.	Model of hydraulic ram
103.	Hydrometer with accessories
104.	Soil sieves
105.	Model of drop spillway
106.	Soil augars
107.	Model of rooftop rainwater harvesting system
108.	Pseudo-range GPS receiver
109.	Components of drip irrigation systems
110.	Components of sprinkler irrigation systems
111.	Primary and secondary filters for micro-irrigation
112.	Archimedian screw model
113.	Jet pump model
114.	Model of tubewell
115.	Air lift pump model
116.	Suppressed weir model
117.	Table top mechanical sieve shaker
118.	Weighing balance
119.	Rice Sheller
120.	Rice Polisher
121.	Constant Temperature Water Bath
122.	Weighing Balance
123.	Micro-Wave Oven
124.	Induction Oven
125.	Vaccum Desiccator
126.	Desiccator
127.	Lactometer

SL. No.	<u>Name of the Major Instrument/Machine/Software Available</u>
128.	Magnetic Stirrer
129.	Centrifuge
130.	Tray Dryer (Presently installed at Workshop)
131.	Carbonation Unit (Presently installed at Workshop)
132.	Auto Clave/Sterilizer (Presently installed at Workshop)
133.	Drawing Board (20 No.'s), Tee Scale (23 No.'s)
134.	Metric Chain, Engineer's Chain, Ranging Rod, Arrow
135.	Prismatic compass and accessories
136.	Plane Table and accessories
137.	Auto level and Dumpy level
138.	Theodolite
139.	Cut Model of The Tractor
140.	Power Weeder
141.	Tractor Operated Pneumatic Seed Drill
142.	Zero Till Seed Drill (Happy Seeder)
143.	Vegetable Transplanter
144.	Rice Transplanter
145.	Tractor Operated Automatic Potato Planter
146.	Tractor Operated Automatic Potato Digger
147.	Combine Harvester
148.	Reversible Mould Board Plough
149.	Mulcher
150.	4-Wheel Drive Tractor (70 HP)
151.	4-Wheel Drive Tractor (28 HP)
152.	Engine Performance Testing Machine
153.	Multipurpose Seed Drill
154.	Vertical Conveyor Reaper Binders
155.	Oxy-Acetylene Gas Welding

• **List of Experimental Setup in each Laboratory/ Workshop:**

Sl. No.	Name of the Laboratory	Carpet Area (Sq. m)	Instrument/Machine/Software Used For with Course Number
1.	Language and Personality Development Lab	72 Sq.m.	1. Listening and note taking (ENG 151) 2. Oral presentation skills (ENG 151) 3. Group discussions (ENG 151) 4. Seminar and Lectures for Different Courses
2.	Computer Laboratory	72 Sq.m.	1. Basics of HTML and basics of JAVA script language (CSE 201) 2. Internet Applications (CSE 201) 3. C programming and data structures (CSE 351)
3.	Advanced Computation Laboratory	48.19 Sq.m.	All the practical of the course Auto CAD Applications (ME 301) are performed except problems on CNC machine
4.	Engineering Physics Laboratory	21 Sq. m.	Determination of refractive index of Solid and Liquid. (PHY 101)
			Determination of refractive index of prism. (PHY 101)
			Determination of unknown Resistance (PHY 101)
			Determination of wavelength of unknown radiation. (PHY 101)
			Determination of Power of a Convex Lens. (PHY 101)
			Determination of Cross-sectional of area of a thin wire. (PHY 101)
5.	Engineering Chemistry Laboratory	42.9 Sq.m	Engineering Chemistry Laboratory, Course No-CHEM-101, 3(2+!). 1)Perkin Elmer FT-IR spectrometer (RX-1) to be used. 2)JASCOV-530UV-VIS spectrophotometer, 3) Digital Viscometer to be used 4) Pipette pump/ Sucker 5) Air dryer 6) Micro pipette , 7) Graduated pipette 8) Modified Burette with Pump 9) Boro -Silicate double distillation Set, 10) Conical flask, Volumetric Flask Digital weigh (Electronic Balance) machine, Vacuum Desiccator, Hot air Oven, etc. 11) Funnel, Watch glass, Glass rod, dropper, Spatula, Measuring Cylinder, Test tube etc
6.	Electrical Engineering Laboratory	104 Sq.m.	To obtain load characteristics of d.c. shunt/series/Compound generator (EE 101)
			To Study characteristics of DC shunt/series motors (EE 101)
			To perform no-load & blocked rotor tests on 3 ph (EE 101)
			To study the V-I characteristics of P-N junction diode (EE 351)

Sl. No.	Name of the Laboratory	Carpet Area (Sq. m)	Instrument/Machine/Software Used For with Course Number
			To study half wave, full wave and bridge rectifier (EE 351)
			To study a diode as clipper and champer (EE 351)
			To study a OP-AMP IC 741as inverting and non inverting amplifier (EE 351)
			To study OP-AMP as differentiator and integrator (EE 351)
			To study a differential amplifier using two transistor (EE 351)
			To study a zener regulator circuit (EE 351)
7.	Civil Engineering Laboratory	30.5 Sq.m.	Compressive strength of cement and concrete
			Setting time of cement
			Shear Strength of soil
			Consolidation of soil
			Unconfined compressive strength of soil
			Undrained shear strength of clay
			Gradation of soil
			Hydrometer analysis for fine grained soil
			Field density of soil
			Field density of soil
			Compaction properties (MDD and OMC) of soil
			Permeability of soil
8.	Mechanical Workshop (Workshop Technology and Practice) (ME 151)	822.51 Sq.m.	Practical jobs on simple turning, step turning; Practical job on taper turning and threading. (ME 151)
			Demonstration of important operations on a Milling Machine, gear tooth forming and indexing. (ME 151)
			Operations on shaper, changing a round MS rod into square section on a shaper. (ME 151)
			Practical job on drilling, Operations of drilling. (ME 151)
			Metal removal operation (ME 151)
			Metal cutting operation (ME 151)
			Moulding and casting operation. (ME 151)
			Jobs on arc welding – Lap joint, Butt joint, T joint and corner joint. (ME 151)
			Fitting job (MS Flat) and Carpentry job (Joint Formation). (ME 151)

Sl. No.	Name of the Laboratory	Carpet Area (Sq. m)	Instrument/Machine/Software Used For with Course Number
			Threading with Tap and Dies. (ME 151)
9.	Farm Machinery and Power Laboratory	40.04 Sq.m.	Introduction to different systems of CI engines; Engine parts and functions, working principles etc (FMP201)
			Valve system – study, construction and adjustments; (FMP201)
			Study of Oil & Fuel – determination of physical properties (FMP201)
			Study of Air cleaning system (FMP201)
			Fuel supply system of SI and CI engine (FMP201)
			Diesel injection system & timing (FMP201)
			Cooling system, and fan performance (FMP201)
			Lubricating system & adjustments (FMP201)
			Introduction to transmission systems and components (FMP 301)
			Study of clutch functioning, parts and design problem on clutch system; (FMP301)
			Study of different types of gear box, calculation of speed ratios, design problems on gear box; (FMP301)
			Study on differential and final drive and planetary gears; (FMP301)
			Study of brake systems and some design problems; (FMP301)
			Steering geometry and adjustments (FMP301)
10.	Renewable Energy Laboratory	33.48 Sq.m	Study of biogas and its properties. (FMP202)
			Study of different types of solar cookers. (FMP202), (FMP 252)
			Study of different types of solar cookers. (FMP202), (FMP 252)
			Study of flammable properties of biodiesel and biofuel. (FMP202), (FMP 252)
			Study of biodiesel production unit
			Estimation of FFA, Acid value of vegetable oil and biodiesel. (FMP202)

Sl. No.	Name of the Laboratory	Carpet Area (Sq. m)	Instrument/Machine/Software Used For with Course Number
			Estimation of calorific value of biofuel. (FMP 252)
			Estimation of sediments content in biofuel. (FMP 252)
			Estimation of ash content in biofuel (FMP 252)
			Performance evaluation of biomass gasifier (FMP 352)
			Performance evaluation of a fixed dome type biogas plant (FMP 352)
			Used as supportive tools for conducting various experiments
			Estimation of density and specific gravity of different fuel. (FMP202)
11.	Farm Implement Shed	588 Sq.m.	Familiarization with different farm implements and tools. (FMP 251)
			Study of hitching systems, (FMP 251)
			Study of primary and secondary tillage machinery – construction, operation, adjustments and calculations of power and draft requirements. (FMP 251)
			Study of sowing and planting equipment – construction, types, calculation for calibration and adjustments. (FMP 251)
			Study of transplanters – paddy (FMP 251)
			Familiarization with plant protection and interculture equipments, Familiarization with manual and powered weeding equipment and identification of functional components. (FMP 302)
			Study of fertilizer application equipment including manure spreaders and fertilizer broadcasters. (FMP 302)
			Study of various types of mowers, reaper, reaper binder. (FMP 302)
			Study of functional components of mowers and reapers. (FMP 302)
			Familiarization with threshing systems, cleaning systems in threshers. Calculations of losses in threshers. (FMP 302)
			Study of root crop diggers and familiarization with the functional units and attachments. (FMP 302)
			Familiarization with different makes and models of agricultural tractors. Identification of functional systems

Sl. No.	Name of the Laboratory	Carpet Area (Sq. m)	Instrument/Machine/Software Used For with Course Number
			including fuels system, cooling system, transmission system, steering and hydraulic systems. Study of maintenance points to be checked before starting a tractor. Familiarization with controls on a tractor. Safety rules and precautions to be observed while driving a tractor. (FMP 303)
			Driving practice of tractor. Practice of operating a tillage tool (mould-board plough/ disc plough) and their adjustment in the field. Study of field patterns while operating a tillage implement. Hitching & De-hitching of mounted and trail type implement to the tractor. Driving practice with a trail type trolley – forward and in reverse direction. (FMP 303)
			Introduction to tractor maintenance – precautionary and break-down maintenance. Tractor starting with low battery charge. Introduction to trouble shooting in tractors. Familiarization with tools for general and special maintenance. Introduction to scheduled maintenance after 10, 100, 300, 600, 900 and 1200 hours of operation. Safety hints. Top end overhauling. Fuel saving tips. Preparing the tractor for storage. Care and maintenance procedure of agricultural machinery during operation and off-season. Repair and maintenance of implements – adjustment of functional parameters in tillage implements. Replacement of broken components in tillage implements. Replacement of furrow openers and change of blades of rotavators. Maintenance of cutter bar in a reaper. Adjustments in a thresher for different crops. Replacement of V-belts on implements. Setting of agricultural machinery workshop. (FMP 303)
12.	Soil and Water Engineering Laboratory	33.48 Sq.m	1. To study the characteristics of open channel flow (SWC 251)
			2. Flow measurement in open channels (SWC 251)
			3. Open channel hydraulics (CE 151)
			Measurement of flow in open channels (SWC 251)
			Measurement of flow in open channels (SWC 251)
			Measurement of flow in open channels (SWC 251)

Sl. No.	Name of the Laboratory	Carpet Area (Sq. m)	Instrument/Machine/Software Used For with Course Number
			Flow measurement in pipes (SWC 251)
			Principle of flow measurement in pipes (SWC 251)
			To study different types of pumps (SWC 301)
			To study different types of pumps (SWC 301)
			To study different types of pumps (SWC 301)
			To study the principle of velocity measurement in channels (SWC 251)
			Measurement of depth of groundwater level (SWC -301)
			To measure the acidity/alkalinity of soil and water (SWC 351)
			To measure the salinity of soil and water (SWC 351)
			To prepare soil moisture characteristic curve (SWC 251)
			To measure soil moisture tension (SWC 251)
			Principle of soil moisture content measurement (SWC 251)
			Precise measurement of soil moisture content (SWC 251)
			Measurement of Pan Evaporation (SWC 202)
			Study of non-recording raingauge (SWC 202)
			Study of recording raingauge (SWC 202)
			Measurement of infiltration (SWC 202)
			Working principle of hydraulic ram (SWC 301)
			To perform particle size distribution test of soil (SWC 201 and SWC 301)
			To perform particle size distribution test of soil (SWC

Sl. No.	Name of the Laboratory	Carpet Area (Sq. m)	Instrument/Machine/Software Used For with Course Number
			201 and SWC 301)
			Study of different parts of drop spillway (SWC 352)
			To dig auger holes and soil sampling purpose (SWC 251 and SWC 351)
			To study the process of rooftop rainwater harvesting and its use (SWC 302)
			To obtain geographic location of a place (SWC 302 and SWC 454)
			Study and performance evaluation of drip irrigation systems (SWC 252)
			Study and performance evaluation of sprinkler irrigation systems (SWC 252)
			To study different types of filters used in micro-irrigation systems (SWC 252)
			Study of water lifting devices (SWC 301)
			Study of water lifting devices (SWC 301)
			Design of tube well (SWC 301)
			Study of water lifting devices (SWC 301)
			Study of different types of weir openings (SWC 352)
			To perform particle size distribution test of soil (SWC 201 and SWC 301)
			Used for weighing for different experiments
13.	Processing and Food Engineering Laboratory	54.39 Sq.m.	Study of different size reduction machines and performance evaluation
			Study of different size reduction machines and performance evaluation
			Supportive equipment used for other experiments
			Measurement of moisture content
			Measurement of moisture content
			Used in ELP
			Determination of EMC
			Determination of EMC

Sl. No.	Name of the Laboratory	Carpet Area (Sq. m)	Instrument/Machine/Software Used For with Course Number
			Study of milk properties
			Supportive equipment used for other experiments
			Study of milk properties
			Study on drying characteristics of grains and determination of drying constant
			Used in ELP
			Used in ELP
14.	Engineering Drawing Laboratory	66.78 Sq.m	All drawings regarding Engineering Drawing. (ME 101)
15.	Surveying and Levelling Laboratory	120 Sq.m.	Chain surveying
			Compass surveying
			Plane table surveying
			Levelling
			Theodolite surveying

- **Computing Facilities:** Yes
- **Internet Bandwidth:** 1 GBPS
- **Number and configuration of System:**
50 and ROM -500 GB, RAM- 4 GB, Processor- Intel® Core™ i3-4160 CPU@ 3.60 GHz
System type- 64 bit OS, Windows 7 Professional
- **Total number of system connected by LAN:** 50
- **Total number of system connected by WAN:** NA
- **Major software packages available:**
 - i. Auto CAD
 - ii. ISIL communication skill
- **Special purpose facilities available:**
 - i. Central instrument Facility
 - ii. Personal Development Skill Facility
- **Innovation Cell:** NA
- **Social Media Cell:** NA
- **Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments:** NA
- **List of facilities available:**
 - Games and Sports Facilities : YES
 - Extra-Curricular Activities : YES
 - Soft Skill Development Facilities : YES
- **Teaching Learning Process:**

- **Computing Facilities:** Yes
- **Internet Bandwidth:** 1 GBPS
- **Number and configuration of System:**
50 and ROM -500 GB, RAM- 4 GB, Processor- Intel® Core™ i3-4160 CPU@ 3.60 GHz
System type- 64 bit OS, Windows 7 Professional
- **Total number of system connected by LAN:** 50
- **Total number of system connected by WAN:** NA
- **Major software packages available:**
 - i. Auto CAD
 - ii. ISIL communication skill
- **Special purpose facilities available:**
 - i. Central instrument Facility
 - ii. Personal Development Skill Facility
- **Innovation Cell:** NA
- **Social Media Cell:** NA
- **Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments:** NA
- **List of facilities available:**
 - Games and Sports Facilities : YES
 - Extra-Curricular Activities : YES
 - Soft Skill Development Facilities : YES
- **Teaching Learning Process:**
- **Curricula and syllabus for each of the programmes as approved by the University:**

Semester I			
S. No.	Title of the Course	Course No.	Credit Hour
1.	Engineering Mathematics-I	MTH 101	3(2+1)
2.	Engineering Physics	PHY 101	3(2+1)
3.	Engineering Chemistry	CHM 101	3(2+1)
4.	Principles of Soil Science	AG 101	3(2+1)
5.	Surveying and Levelling	CE 101	3(1+2)
6.	Engineering Mechanics	CE 102	3(2+1)
7.	Engineering Drawing	ME 101	2(0+2)
8.	Electrical Machines and Power Utilization	EE 101	3(2+1)
Total Credit Hours			23(13+10)

Semester II			
S. No.	Title of the Course	Course No.	Credit Hour
1.	Engineering Mathematics-II	MTH 151	3(2+1)
2.	Environmental Science and Disaster Management	HOR 151	3(2+1)
3.	Principles of Horticultural Crops and Plant Protection	HOR 152	2(1+1)
4.	Entrepreneurship Development and Business Management	AG 151	3(2+1)
5.	Principles of Agronomy	AG 152	3(2+1)
6.	Fluid Mechanics and Open Channel Hydraulics	CE 151	3(2+1)
7.	Workshop Technology and Practices	ME 151	3(1+2)
8.	Communication Skills and Personality Development	ENG 151	2(1+1)
Total Credit Hours			22(13+9)

Semester III			
S. No.	Title of the Course	Course No.	Credit Hour
1.	Soil and Water Conservation Engineering	SWC 201	2(1+1)
2.	Watershed Hydrology	SWC 202	3(2+1)
3.	Tractor and Automotive Engines	FMP 201	3(2+1)
4.	Fundamentals of Renewable Energy Sources	FMP 202	3(2+1)
5.	Web Designing and Internet Applications	CSE 201	2(1+1)
6.	Engineering Mathematics-III	MTH 201	3(2+1)
7.	Soil Mechanics	CE 201	2(1+1)
8.	Strength of Materials	CE 202	2(1+1)
9.	Machine Design	ME 201	2(2+0)
Total Credit Hours			22(14+8)

Semester IV			
S. No.	Title of the Course	Course No.	Credit Hour
1.	Building Construction and Cost Estimation	CE 251	2(2+0)
2.	Theory of Machines	ME 251	2(2+0)
3.	Heat and Mass Transfer	ME 252	2(2+0)
4.	Agricultural Structures and Environmental Control	PFE 251	3(2+1)
5.	Farm Machinery and Equipment-I	FMP 251	3(2+1)
6.	Renewable Power Sources	FMP 252	3(2+1)
7.	Irrigation Engineering	SWC 251	3(2+1)
8.	Sprinkler and Micro Irrigation Systems	SWC 252	2(1+1)
Total Credit Hours			20(15+5)

Skill Development Training-I Summer break June-July after 4th Semester (Student READY)*

Semester V			
S. No.	Title of the Course	Course No.	Credit Hour
1.	Tractor Systems and Controls	FMP 301	3(2+1)
2.	Farm Machinery and Equipment-II	FMP 302	3(2+1)
3.	Tractor and Farm Machinery Operation and Maintenance	FMP 303	2(0+2)
4.	Engineering Properties of Agricultural Produce	PFE 301	2(1+1)
5.	Post-Harvest Engineering of Cereals, Pulses and Oil Seeds	PFE 302	3(2+1)
6.	Dairy and Food Engineering	PFE 303	3(2+1)
7.	Groundwater, Wells and Pumps	SWC 301	3(2+1)
8.	Watershed Planning and Management	SWC 302	2(1+1)
9.	Auto CAD Applications	ME 301	2(0+2)
10.	*Skill Development Training-I (Student READY) Registration and Evaluation only	TRN 301	5(0+5)
Total Credit Hours			28(12+16)

Semester VI			
S. No.	Title of the Course	Course No.	Credit Hour
1.	Design of Structures	CE 351	2(1+1)
2.	Computer Programming and Data Structures	CSE 351	3(1+2)
3.	Thermodynamics, Refrigeration and Air Conditioning	ME 351	3(2+1)
4.	Post-Harvest Engineering of Horticultural Crops	PFE 351	2(1+1)
5.	Drainage Engineering	SWC 351	2(1+1)
6.	Water Harvesting and Soil Conservation Structures	SWC 352	3(2+1)
7.	Bio-energy Systems: Design and Applications	FMP 351	3(2+1)
8.	Applied Electronics and Instrumentation	EE 351	3(2+1)
Total Credit Hours			21(12+9)

Skill Development Training-II in Summer break June-July after 6th Semester (Student READY)

**VII Semester
Student READY (Rural and Entrepreneurship Awareness Development Yojana)**

Semester VII			
Sl. No.	Title of the Course	Course No.	Credit Hour
1.	Artificial Intelligence	CSE 401	3(3+0)
2.	Photovoltaic Technology & Systems	EE 401	3(2+1)
3.	Remote Sensing & GIS Applications	SWC 404	3(2+1)
4.	Project Planning and Report Writing (Student READY)	PRJ 449	10(0+10)
5.	Skill Development Training – II (Student READY)	TRN 401	5(0+5)
Total Credit Hours			24(7+17)

#Educational tour during winter/January break

VIII Semester
Student READY (Rural and Entrepreneurship Awareness Development Yojana)

Semester VIII			
S. No.	Title of the Course	Course No.	Credit Hour
1.	10- weeks Industrial Attachment /Internship (Student READY)	TRN 401	10(0+10)
2.	10- weeks Experiential Learning On campus (Student READY)	TRN 402	10(0+10)
3.	#Educational Tour (Registration only)	EDT 401	2 (0+2)
Total Credit Hours			22(0+22)

Grand Total = (23+22+22+20+28+21+24+22) = 182 Credit Hours

ELECTIVE COURSES			
S. No.	Title of the Course	Course No.	Credit Hour
1.	Floods and Control Measures	SWC 451	3 (2+1)
2.	Wasteland Development	SWC 452	3 (2+1)
3.	Information Technology for Land and Water Management	SWC 453	3(2+1)
4.	Remote Sensing and GIS Applications	SWC 454	3(2+1)
5.	Management of Canal Irrigation System	SWC 455	3(2+1)
6.	Minor Irrigation and Command Area Development	SWC 456	3(2+1)
7.	Precision Farming Techniques for Protected Cultivation	SWC 457	3(2+1)
8.	Water Quality and Management Measures	CE 451	3(2+1)
9.	Landscape Irrigation Design and Management	SWC 458	3(2+1)

ELECTIVE COURSES			
S. No.	Title of the Course	Course No.	Credit Hour
10.	Plastic Applications in Agriculture	SWC 459	3(2+1)
11.	Mechanics of Tillage and Traction	FMP 451	3(2+1)
12.	Farm Machinery Design and Production	FMP 452	3(2+1)
13.	Human Engineering and Safety	FMP 453	3(2+1)
14.	Tractor Design and Testing	FMP 454	3(2+1)
15.	Hydraulic Drives and Controls	FMP 455	3(2+1)
16.	Precision Agriculture and System Management	FMP 456	3(2+1)
17.	Food Quality and Control	PFE 451	3(2+1)
18.	Food Plant Design and Management	PFE 452	3(2+1)
19.	Food Packaging Technology	PFE 453	3(2+1)
20.	Development of Processed Products	PFE 454	3(2+1)
21.	Process Equipment Design	PFE 455	3(2+1)
22.	Photovoltaic Technology and Systems	EE 451	3(2+1)
23.	Waste and By-products Utilization	PFE 456	3(2+1)
24.	Artificial Intelligence	CSE 451	3(3+0)
25.	Mechatronics	ME 451	3(2+1)
The Faculty will have option to offer 3 (three) need based elective courses equivalent to 9 Credit Hours as per the need of the state/industries/other stake holders under the proposed list of Elective Courses.			

- Academic Calendar of the University:**

- UG Academic Calendar (Faculty of Technology) Session 2022-23

Item / Event (s)	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR	
	ODD	EVEN	ODD	EVEN	ODD	EVEN	ODD	EVEN
1. Start of Class	05.09.22	27.02.23	05.09.22	27.02.23	05.09.22	27.02.23	05.09.22	21.02.23
2. Submission of Semester Fee, Tuition Fee including Examination Fee and submission of roster(without fine)	---	27.02.23 - 10.03.23	05.09.22 - 16.09.22	27.02.23 - 10.03.23	05.09.22 - 16.09.22	27.02.23 - 10.03.23	05.09.22 - 16.09.22	27.02.23 - 10.03.23
3. Submission of Semester Fee, Tuition Fee including Examination Fee and submission of roster(with fine)	---	13.03.23 - 20.03.23	19.09.22 - 26.09.22	13.03.23 - 20.03.23	19.09.22 - 26.09.22	13.03.23 - 20.03.23	19.09.22 - 26.09.22	13.03.23 - 20.03.23
4. Semester Instructional Period upto	21.01.23	15.07.23	21.01.23	15.07.23	21.01.23	15.07.23	21.01.23	Schedule for Student READY, ELP, Industrial Attachment etc., to be notified by the Dean, F/Tech
(f) Total instructional period (Except Sunday)	120	120	120	120	120	120	120	
(g) Holidays	16	5	16	5	16	5	16	
(h) Mid Term Duration	10	11	10	11	10	11	10	
(i) Student Activities (Sports, Annual Fest etc)	05	-	05	-	05	-	05	
(j) Effective instructional Days	89	104	89	104	99	115	99	
5. Mid Term Examination	21.11.22 - 02.12.22	15.05.23 - 29.05.23	21.11.22 - 02.12.22	15.05.23 - 29.05.23	21.11.22 - 02.12.22	15.05.23 - 29.05.23	21.11.22 - 02.12.22	
6. Submission of Mid Term Results	23.12.22	19.06.23	23.12.22	19.06.23	23.12.22	19.06.23	23.12.22	

Item / Event (s)	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR	
7. Study Leave	23.01.23 - 28.01.23	17.07.23 - 22.07.23	23.01.23 - 28.01.23	17.07.23 - 22.07.23	23.01.23 - 28.01.23	17.07.23 - 22.07.23	23.01.23 - 28.01.23	
8. Practical Examination to be completed by	21.01.23	15.07.23	21.01.23	15.07.23	21.01.23	15.07.23	21.01.23	
9. Submission of Attendant Report	24.01.23	17.07.23	24.01.23	17.07.23	24.01.23	17.07.23	24.01.23	
10. Submission of Practical & Assignment Marks	10.02.23	31.07.23	10.02.23	31.07.23	10.02.23	31.07.23	10.02.23	
11. End Term Examination	30.01.23 - 20.02.23	24.07.23 - 14.08.23	30.01.23 - 20.02.23	24.07.23 - 14.08.23	30.01.23 - 20.02.23	24.07.23 - 14.08.23	30.01.23 - 20.02.23	By 14.07.23
12. Term Break*	21.02.23 - 25.02.23	16.08.23 - 19.08.23	21.02.23 - 25.02.23	16.08.23 - 19.08.23	21.02.23 - 25.02.23	16.08.23 - 19.08.23	No Term Break	---

• **Academic Time Table with the name of the Faculty members handling the Course**

Even Semester:

**Class Routine for 1st year 2nd Semester Courses of B.Tech in Agricultural Engineering
2022-2023 Session, w.e.f. 15/05/2023**

Day	08:00am to 09:00am	09:00am to 10:00am	Break (10:00 am -10:30 am)	10:30am to 11:30am	11:30am to 12:30am	12:30pm to 01:30pm	Break (01:30 pm - 02:15 pm)	02:15pm to 03:15pm	03:15pm to 04:15pm	04:15pm to 05:15pm
Monday				AG-151 (T)	CE-151 (T)	AG-152 (T)		CE-152 (T)	HOR-151 (T)	
Tuesday		MTH-151 (T)		AG-151 (P)		CE-151 (T)		HOR-151 (T)	ME-151 (P)	
Wednesday				AG-152 (T)	CE-151 (P)			MTH-151 (T)		ENG-151 (T)
Thursday				AG-151 (T)	AG-152 (P)			ME-151 (T)	CE-152 (P)	
Friday				ME-151 (P)		MTH-151 (T)		CE-152 (T)	ENG-151 (P)	

Sl No.	Subject	Course No.	Credit	Course Instructor(s)
1.	Engineering Mathematics-II	MTH-151	3(2+1)	Guest Lecturer in Engineering Mathematics
2.	Fluid Mechanics and Open Channel Hydraulics	CE-151	3(1+2)	Dr. Subinay Saha Roy
3.	Principles of Horticultural Crops and Plant Protection	HOR-151	2(1+1)	Course Leader: Prof. Jagadish Chandra Jana Associated Teachers: Prof. Nripendra Laskar, F/Ag Dr. Mutum Preema Devi, F/Hort.
4.	Entrepreneurship Development and Business Management	AG-151	3(2+1)	Dr. Gobinda Mula, F/Ag.
5.	Principles of Agronomy	AG-152	3(2+1)	Course Leader: DR. Tarun Paul, F/Ag. Associated Teachers: Prof. Subhendu Bandyopadhyay, F/Ag

Sl No.	Subject	Course No.	Credit	Course Instructor(s)
6.	Engineering Mechanics	CE- 152	3(2+1)	Dr. Subinay Saha Roy
7.	Workshop Technology and Practices	ME-151	3(1+2)	Guest Lecturer in Mechanical Engineering
8.	Communication Skill and Personality Development	EE 351	3(2+1)	Mr. Subhrajyoti Roy

**Class Routine for 2nd year 2nd Semester Courses of B.Tech in Agricultural Engineering
2022-2023 Session, w.e.f. 15/05/2023**

Day	08:00am to 09:00am	09:00am to 10:00am	Break (10:00 am - 10:30 am)	10:30am to 11:30am	11:30am to 12:30am	12:30pm to 01:30pm	Break (01:30 pm - 02:15 pm)	02:15pm to 03:15pm	03:15pm to 04:15pm	04:15pm to 05:15pm
Monday				ME-252 (T)	FMP-251 (P)			PFE-251 (T)	FMP-252 (P)	
Tuesday				SWC-251 (T)	SWC-252 (T)	ME-251 (T)		FMP-251 (T)	SWC-251 (T)	
Wednesday				ME-251 (T)	SWC-252 (P)			FMP-251 (T)	PFE- 251 (P)	
Thursday				SWC-251 (T)	FMP-251 (T)	CE-251 (T)		PFE-251 (T)		
Friday					CE-251 (T)	MTH-151 (T)		CE-152 (T)		

Sl No.	Subject	Course No.	Credit	Course Instructor(s)
1	Building Construction and Cost Estimation	CE-251	2(2+0)	Dr. Subinay Saha Roy
2	Theory of Machines	ME-151	2(2+0)	Guest Lecturer in Mechanical Engineering
3	Heat and Mass Transfer	ME-152	2(2+0)	Guest Lecturer in Mechanical Engineering
4	Agriculture Structures and Environmental Control	PFE-252	3(2+1)	Course Leader: DR. Himadri Shekhar konar Associated Teachers: Dr. Dilip Kumar Hajra, F/Ag Dr. Nonigopal Shit, F/Ag
5	Farm Machinery and Equipment -I	FMP-251	3(2+1)	Er. Kingshuk Roy
6	Renewable Energy and Power	FMP-252	3(2+1)	Dr. Om Prakash Chaturvedi
7	Irrigation Engineering	SWC-251	3(1+2)	Dr. Bratati Chowdhury
8	Sprinkler and Micro Irrigation Systems	SWC-252	3(2+1)	Prof. Rupak Sarkar

**Class Routine for 3rd year 2nd Semester Courses of B.Tech in Agricultural Engineering
2022-2023 Session, w.e.f. 15/05/2023**

Day	08:00am to 09:00a m	09:00am to 10:00a m	Break (10:00 am - 10:30 am)	10:30am to 11:30am	11:30a m to 12:30a m	12:30pm to 01:30p m	Break (01:30 pm - 02:15 pm)	02:15pm to 03:15p m	03:15pm to 04:15p m	04:15pm to 05:15p m
Monday				CSE-351 (T)	SWC-351 (P)			PFE-351 (P)		CE-351 (T)
Tuesday				ME-351 (P)	CSE-351 (P)			SWC-351 (T)	CE-351 (P)	
Wednesday				SWC-352 (T)		FMP-351 (T)		ME-351 (T)	EE-351 (P)	
Thursday				ME-351 (P)		EE-351 (T)		FMP-351 (T)	CSE-351 (P)	
Friday				SWC-352 (P)		EE-351 (T)		PFE-351 (T)	FMP-351 (P)	

Sl No .	Subject	Course No.	Credit	Course Instructor(s)
1	Design of Structures	CE 351	2(1+1)	Er. Subinay Saha Roy
2	Computer Programming and Data Structures	CSE 351	3(1+2)	Er. Ritam Sarkar
3	Thermodynamics, Refrigeration and Air Conditioning	ME 351	3(2+1)	Guest Lecturer in Mechanical Engineering
4	Post-Harvest Engineering of Horticultural Crops	PFE 351	2(1+1)	Dr. Shrilekha Das
5	Drainage Engineering	SWC 351	2(1+1)	Dr. Rupak Sarkar
6	Water Harvesting and Soil Conservation Structures	SWC 352	3(2+1)	Dr. Rupak Sarkar
7	Bio-energy Systems: Design and Applications	FMP 351	3(2+1)	Dr. Omprakash Chaturvedi
8	Applied Electronics and Instrumentation	EE 351	3(2+1)	Er. Ashis Kumar Das

Revised Class Routine for 4th year 2nd Semester Courses of B.Tech in Agricultural Engineering 2022-2023 Session, w.e.f. 03/04/2023

Day	08:00am to 09:00a m	09:00am to 10:00a m	Break (10 :00 am - 10:30 am)	10:30am to 11:30a m	11:30am to 12:30a m	12:30pm to 01:30p m	Break (01:30 pm - 02:15 pm)	02:15pm to 03:15p m	03:15pm to 04:15p m	04:15pm to 05:15p m	
Monday	TRN 451			TRN 451		TRN 452		TRN 452			
Tuesday	TRN 451			TRN 451		TRN 452		TRN 452			
Wednesday	TRN 451			TRN 451		TRN 452		TRN 452			
Thursday	TRN 451			TRN 451		TRN 452		TRN 452			
Friday	PRJ 451			TRN 451		TRN 452		TRN 452			

Sl No	Subject	Course No.	Credit	Course Instructor(s)
1.	10- Weeks Industrial Attachment/ Internship (Student READY)	TNR 451	10(0+10)	<u>Course Leader:</u> Er. Himadri Shekhar Konar <u>Associated Teacher:</u> Dr. Om prakash Chaturvedi, Er. Ashis Kumar Das
2.	10- Weeks Experimental Learning On Campus (Student READY)	TRN 452	10(0+10)	
3.	Educational Tour (Registration Only)	EDT 451	2(0+2)	Dr. Om prakash Chaturvedi, Er. Ashis Kumar Das

Odd Semester:

Class Routine for 1st year 1st Semester Courses of B.Tech. in Agricultural Engineering 2022-2023 Session, w.e.f. 23/11/2022

Time Day	7:00AM To 8:00AM	8:00AM To 9:00AM	9:00AM To 10:00AM	Break (10:00AM to 10:30 AM)	10:30AM To 11:30AM	11:30AM To 12:30PM	12:30PM To 01:30PM	Break (01:30PM to 02:15 PM)	02:15PM To 03:15PM	03:15PM To 04:15PM	04:15PM To 05:15PM	
Monday	PHY 101 (T)	MTH 101 (T)			AG 101 (T)		EE 101 (T)				CE 101 (P)	
Tuesday	PHY 101 (P)				AG 101 (P)		CE 101 (T)			HOR 101 (T)	EE 101 (P)	
Wednesday	PHT 101 (T)	MTH 101 (P)			HOR 101 (P)		EE 101 (T)			ME 101 (P)		
Thursday		CHM 101 (T)			AG 101 (T)		HOR 101 (T)			CE 101 (P)		
Friday		CHM 101 (P)			ME 101 (P)							

Sl No.	Subject	Course No.	Credit	Course Instructor(s)
1.	Engineering Mathematics-I	MTH 101	3(2+1)	Guest Lecturer in Mathematics
2.	Engineering Physics	PHY 101	3(2+1)	Guest Lecturer in Physics
3.	Engineering Chemistry	CHM 101	3(2+1)	Guest Lecturer in Chemistry
4.	Principles of Soil Science	AG 101	3(2+1)	Teacher(s) from F/Ag.
5.	Surveying and Levelling	CE 101	3(1+2)	Guest Lecturer in Civil Engineering
6.	Environmental Science and Disaster Management	HOR 101	3(2+1)	Teacher(s) from F/Hort.
7.	Engineering Drawing	ME 101	2(0+2)	Guest Lecturer in Mechanical Engineering
8.	Electrical Machines and Power Utilization	EE 101	3(2+1)	Er. Ashis Kumar Das

**Class Routine for 2nd year 1st Semester Courses of B.Tech in Agricultural Engineering
2022-2023 Session, w.e.f. 13/10/2022**

Day	08:00am to 09:00am	09:00am to 10:00am	Break (10:00 am - 10:30 am)	10:30am to 11:30am	11:30am to 12:30am	12:30pm to 01:30pm	Break (01:30 pm - 02:15 pm)	02:15pm to 03:15pm	03:15pm to 04:15pm	04:15pm to 05:15pm
Monday			Break		ME 201(T)	CE 201(T)	Break	FMP 201 (T)	FMP 202 (P)	
Tuesday	MTH 201(T)				SWC 201(T)	FMP 201(T)		SWC 202 (P)		ME 201 (T)
Wednesday					CE 202(T)	FMP 201(T)		CSE 201(T)	CE 202 (P)	
Thursday	MTH 201(P)				SWC 201 (P)			SWC 202(T)	FMP 202 (P)	
Friday				SWC 202(T)	CSE 201 (P)			FMP 202(T)	CE 201 (P)	

Sl No.	Subject	Course No.	Credit	Course Instructor(s)
1.	Soil and Water Conservation Engineering	SWC 201	2(1+1)	Dr. Rupak Sarkar
2.	Watershed Hydrology	SWC 202	3(2+1)	Dr. Bratati Chowdhury
3.	Tractor and Automotive Engines	FMP 201	3(2+1)	Dr. Om prakash Chaturvedi
4.	Fundamentals of Renewable Energy Sources	FMP 202	3(2+1)	Dr. Om prakash Chaturvedi
5.	Web Designing and Internet Applications	CSE 201	2(1+1)	Er. Ritam Sarkar
6.	Engineering Mathematics-III	MTH 201	3(2+1)	Guest Lecturer in Mathematics
7.	Soil Mechanics	CE 201	2(1+1)	Guest Lecturer in Civil Engineering
8.	Strength of Materials	CE 202	2(1+1)	Guest Lecturer in Civil Engineering
9.	Machine Design	ME 201	2(2+0)	Guest Lecturer in Mechanical Engineering

**Class Routine for 3rd year 1st Semester Courses of B.Tech. in Agricultural Engineering
2022-2023 Session, w.e.f. 11/10/2022**

Day	08:00am to 09:00am	09:00am to 10:00am	Break (10:00 am - 10:30 am)	10:30am to 11:30am	11:30am to 12:30am	12:30pm to 01:30pm	Break (01:30 pm - 02:15 pm)	02:15pm to 03:15pm	03:15pm to 04:15pm	04:15pm to 05:15pm
Monday	FMP 303 (P)		Break	TRN 301 (P)	SWC 301 (T)		Break	PFE 303(T)	PFE 301 (P)	
Tuesday	ME 301 (P)			FMP 301(T)	SWC 301 (P)			PFE 302(T)	FMP 301 (T)	
Wednesday	TRN 301 (P)			FMP 302(T)	TRN 301 (P)	PFE 302 (T)		PFE 303(T)	FMP 302 (T)	
Thursday	TRN 301 (P)			FMP 302(T)	ME 301 (P)			SWC 302(T)	PFE 302 (P)	
Friday	FMP 303 (P)			FMP 301(T)	SWC 302 (P)			PFE 301(T)	PFE 303 (P)	

Sl No.	Subject	Course No.	Credit	Course Instructor(s)
1.	Tractor Systems and Controls	FMP 301	3(2+1)	Er. Kingshuk Roy
2.	Farm Machinery and Equipment-II	FMP 302	3(2+1)	Er. Kingshuk Roy
3.	Tractor and Farm Machinery Operation and Maintenance	FMP 303	2(0+2)	Er. Kingshuk Roy
4.	Engineering Properties of Agricultural Produce	PFE 301	2(1+1)	Dr. Himadri Shekhar Konar
5.	Post-Harvest Engineering of Cereals, Pulses and Oil Seeds	PFE 302	3(2+1)	Dr. Himadri Shekhar Konar
6.	Dairy and Food Engineering	PFE 303	3(2+1)	Dr. Shrelekha Das
7.	Groundwater, Wells and Pumps	SWC 301	3(2+1)	Dr. Bratati Chowdhury
8.	Watershed Planning and Management	SWC 302	2(1+1)	Dr. Rupak Sarkar
9.	Machine Design	ME 301	2(2+0)	Guest Lecturer in Mechanical Engineering
10.	*Skill Development Training-I (Student READY) Registration and Evaluation only	TRN 301	5(0+5)	Er. Ritam Sarkar

**Class Routine for 4th year 1st Semester Courses of B.Tech. in Agricultural Engineering
2022-2023 Session, w.e.f. 01/09/2022**

Day	08:00am to 09:00am	09:00am to 10:00am	Break (10:00 am - 10:30 am)	10:30am to 11:30am	11:30am to 12:30am	12:30pm to 01:30pm	Break (01:30 pm - 02:15 pm)	02:15pm to 03:15pm	03:15pm to 04:15pm	04:15pm to 05:15pm
Monday	TRN 401		Break	PRJ 449	CSE 401 (T)		Break	SWC 404 (P)		PRJ 449
Tuesday	PRJ 449			PRJ 449	EE 401 (T)			PRJ 401		PRJ 449
Wednesday	TRN 401			PRJ 449	SWC 404(T)			TRN 401		PRJ 449
Thursday	PRJ 449			TRN 401	EE 401 (P)			CSE 401(T)	PRJ 449	
Friday	PRJ 401			PRJ 449				PRJ 449		

Sl No.	Subject	Course No.	Credit	Course Instructor(s)
1.	Artificial Intelligence	CSE 401	3(3+0)	Er. Ritam sarkar
2.	Photovoltaic Technology and Systems	EE 401	3(2+1)	Er. Ashis Kumar Das
3.	Remote Sensing and GIS Applications	SWC 404	3(2+1)	Course Leader: Dr. Rupak Sarkar Associated Teacher: Dr. Bratati Chowdhury
6.	Project Planning and Report Writing (Student READY)	PRJ 401	3(0+3)	Teachers of F/Tech
8.	Skill Development Training – II (Student READY) Registration and Evaluation Only	TRN 401	4 (0+4)	Er. Ritam Sarkar

☐ **Teaching Load of each Faculty**

Even Semester:

SL. No.	Faculties	2 nd Semester	4 th Semester	6 th Semester	8 th Semester
1.	Dr. Rupak Sarkar	Nil	3 hrs	3 hrs	Nil
2.	Dr. Subinay Saha Roy	8 hrs	Nil	3 hrs	Nil
3.	Er. Ashis Kumar Das	Nil	Nil	4 hrs	12 hrs
4.	Dr. Himadri Sikkhor Koner	Nil	4 hrs	Nil	14 hrs
5.	Er. Arindam Mandal	Nil	Nil	Nil	Nil
6.	Dr. Om Prakash Chaturvedi	Nil	4 hrs	4 hrs	14 hrs
7.	Er. Ritam Sarkar	Nil	Nil	5 hrs	Nil
8.	Dr. Bratati chowdhury	4 hrs	4 hrs	4 hrs	Nil
9.	Er. Kingshuk Roy	3 hrs	4 hrs	Nil	Nil
10.	Mr. Abhishek Paul	Nil	Nil	Nil	Nil
11.	Miss Sudipta Dey	4 hrs	Nil	Nil	Nil
12.	Mr. Subhrajyoti Roy	3 hrs	Nil	Nil	Nil
13.	Dr. Ashutosh Dutta	Nil	Nil	Nil	Nil

Odd Semester:

SL. No.	Faculties	1 st Semester	3 rd Semester	5 th Semester	7 th Semester
1.	Dr. Rupak Sarkar	Nil	3 hrs	3 hrs	2 hrs
2.	Er. Subinay Saha Roy	4 hrs	6 hrs	3 hrs	6 hrs
3.	Er. Ashis Kumar Das	4 hrs	Nil	Nil	4 hrs
4.	Er. Himadri Sikkhor Koner	Nil	4 hrs	7 hrs	Nil
5.	Er. Arindam Mandal	Nil	Nil	Nil	Nil
6.	Dr. Om Prakash Chaturvedi	Nil	8 hrs	4 hrs	Nil
7.	Er. Ritam Sarkar	Nil	3 hrs	6 hrs	12 hrs
8.	Dr. Bratati chowdhury	Nil	4 hrs	4 hrs	2 hrs
9.	Er. Kingshuk Roy	Nil	Nil	12 hrs	Nil
10.	Miss Sudipta Dey	4 hrs	4 hrs	Nil	Nil
11.	Mr. Subhrajyoti Roy	Nil	Nil	Nil	Nil
12.	Mr. Abhishek Paul	4 hrs	Nil	Nil	Nil
13.	Dr. Ashutosh Dutta	4 hrs	Nil	Nil	Nil

- **For each Post Graduate Courses give the following:** NA

- Title of the Course
- Curricula and Syllabi
- Laboratory facilities exclusive to the Post Graduate Course
- **Special Purpose**
- Software, all design tools in case
- Academic Calendar and frame work

16. Enrollment of students in the last 3 years

Total enrollment of students for 2022 – 2023 is 34

Total enrollment of students for 2021 – 2022 is 35

Total enrollment of students for 2020 – 2021 is 35

17. List of Research Projects/ Consultancy Works

□ **Number of Projects carried out, funding agency, Grant received:**

SL. No.	Funding Agency	Grant Received	Total Number of Projects
1.	STI Hub as a Platform for Socioeconomic Development of targeted Schedule Caste Communities of Terai and Dooars Region of West Bengal	Rs. 3,83,84,720.00	03
2.	RASHTRIYA KRISHI VIKAS YOJANA (RKVY), Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. of INDIA.	Rs. 395.8 Lakhs	
3.	National Agricultural Higher Educational Project (NAHEP), ICAR, Govt. of INDIA	Rs. 4,70,58,000.00	

- **Publications (if any) out of research in last three years out of masters projects:** NIL
- **Industry Linkage:**

- Kaira District Cooperative Milk Producer's Union
Block 1B, Plot No.197, Sector-III, KOL-700106
- M/S Krishna Plastic Industry
Coochbehar Industrial Growth Centre, Coochbehar, WB- 736101
- Ishan Snax Pvt. Ltd
Siliguri
- Britannia Industries Ltd. Kolkata

- MoUs with Industries (minimum 3)

MEMORANDUM OF UNDERSTANDING(MOU)

BETWEEN

FACULTY OF TECHNOLOGY, UTTAR BANGA
KRISHI VISWAVIDYALAYA

&

M/S. KRISHNA PLASTIC INDUSTRY, COOCH
BEHAR

R.S.
08/02/19

Bipul Bhowmick
08-02-2019

AUTHENTICATED

H.S.K.
19/02/19

Assistant Professor
Faculty of Technology,
Uttar Banga Krishi Viswavidyalaya
Pundihari, Cooch Behar

MEMORANDUM OF UNDERSTANDING

This **Memorandum of Understanding** (hereinafter called as the 'MOU') is entered into on this the 8th day of - February - Two Thousand Nineteen (2019),


BETWEEN

Faculty of Technology, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar, West Bengal-736 165, the First Party represented herein by its Dean (hereinafter referred as 'First Party', the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors - in-office, administrators and assigns).

AND

M/S. Krishna Plastic Industry, Chakchaka, Cooch Behar, West Bengal - 736 156, the Second Party, and represented herein by its proprietor, **Mr. Bipul Bhowmik**, (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors - in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')


08/2/19

Bipul Bhowmik
08-02-2019

AUTHENTICATED

Page 2 of 8


Assistant Professor
Faculty of Technology,
Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar

WHEREAS:

- A) First Party is a Higher Educational Institution named:
- (i) **Faculty of Technology, Uttar Banga Krishi Viswavidyalaya**
- B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interest.
- E) **M/S. Krishna Plastic Industry**, the Second Party is engaged in Business, Manufacturing, and Skill Development Trainings in the fields of **production of various plastic equipment.**
- F) **M/S. Krishna Plastic Industry** is a private entrepreneur having its manufacturing unit located at Coochbehar Industrial Growth Centre, Cooch Behar, West Bengal. The company was founded in the year 2015.
- G) There is no other branch of the **M/S. Krishna Plastic Industry** at present and the production area of the concern is about 0.35 Acres.

RS
08/2/19

Bipul Bhowmick.
08-02-2019.

AUTHENTICATED

Page 3 of 8

H/S
19/02/19

Assistant Professor
Faculty of Technology,
Uttar Banga Krishi Viswavidyalaya
Purdihari, Cooch Behar

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1 CO-OPERATION

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the **Institution** and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching / training systems, keeping in mind the needs of the industry, the Second Party.

CLAUSE 2 SCOPE OF THE MoU

- 2.1 The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.
- 2.2 **Curriculum Design:** Second Party will give valuable inputs to the First Party in teaching / training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.

[Signature]
08/02/19

Bipul Bhowmik
08-02-2019

Page 4 of 8

AUTHENTICATED

[Signature]
19/02/19

Assistant Professor
Faculty of Technology,
Uttar Banga University, Swaidhya

- 2.3 **Industrial Training, Internship and Exposure Visits:** Industry and Institution interaction will give an insight into the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its production unit and also involve in Industrial Training Programs for the First Party. The industrial training, internship and exposure visits provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Industrial Site for the hands-on training of the learners enrolled with the First Party.
- 2.4 **Internships of Students:** Second Party will actively engage to help the delivery of the Internship of students of the First Party into internships, as per AICTE Internship Policy. The Second Party will also register itself on AICTE Internship Policy Portal for disseminating the Internship opportunities available with them.
- 2.5 **Research and Development:** Both Parties have agreed to carry out the joint research activities in the fields of **development on innovative plastic products.**
- 2.6 **Skill Development Programs:** Second Party to train the students of First Party on the emerging technologies in order to bridge the skill gap and make them industry ready.
- 2.7 **Guest Lectures:** Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.
- 2.8 **Faculty Development Programs:** Second Party to train the Faculties of First Party for imparting industrial exposure/ training as per the industrial requirement considering the National Occupational Standards in concerned sector, if available.

Bipul Bhowmick

Page 5 of 8

[Signature]
07/2/19

AUTHENTICATED

[Signature]
19/02/19

Assistant Professor
Faculty of Technology,
Jtara Banga Anand Vishwavidyalaya
Pundihar, Sonbhadra, Bihar

- 2.9 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the terms specified herein
- 2.10 There is no financial commitment on the part of the **Faculty of Technology**, the First Party to take up any program mentioned in the MoU. If there is any financial consideration, it will be dealt separately.

CLAUSE 3 INTELLECTUAL PROPERTY

- 3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

CLAUSE 4 VALIDITY

- 4.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period **M/S. Krishna Plastic Industry**, the Second Party, as the case may be, will take effective steps for implementation of this MOU. Any act on the part of **M/S. Krishna Plastic Industry**, the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MOU
- 4.2 Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations

Bipul Bhattacharya

Page 6 of 8

[Signature]
08/2/19

AUTHENTICATED

[Signature]
19/02/19

Assistant Professor
Faculty of Technology,
Jttr Banga
Swavidyalaya

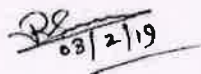
CLAUSE 5 RELATIONSHIP BETWEEN THE PARTIES

5.1 It is expressly agreed that **Faculty of Technology** and **M/S. Krishna Plastic Industry** are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.


Deah (Acting)
Faculty of Technology
Uttar Banga Krishi Viswavidyalaya
Pundihari, Cooch Behar

KRISHNA PLASTIC INDUSTRY
Bipul - Bhownick
Second Party 8/2/19

Any divergence or difference derived from the interpretation or application of the MoU shall be resolved by arbitration between the parties as per the Arbitration Act, 1996. The place of the arbitration shall be at District Head Quarters of the First Party. This undertaking is to be construed in accordance with Indian Law with exclusive jurisdiction in the Courts of Cooch Behar.


03/2/19

Bipul - Bhownick

Page 7 of 8

AUTHENTICATED


19/02/19

Assistant Professor
Faculty of Technology,
Uttar Banga Krishi Viswavidyalaya
Pundihari, Cooch Behar

AGREED:

For Faculty of Technology

For M/S. Krishna Plastic Industry

Bh
08/2/19

KRISHNA PLASTIC

Bipul Bhowmick, 08/02/19
Proprietor

Authorized Signatory
Dean (Acting)
Faculty of Technology
Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar-736165 (W.B.)

Authorized Signatory

Name of Institution: Faculty of Technology	Name of Industry: M/S. Krishna Plastic Industry
Address: Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar, West Bengal - 736 165	Address: Coochbehar Industrial Growth Centre, Chakchaka, Cooch Behar, West Bengal - 736 156
Contact Details: 9475833777	Contact Details: 9126103111
E-mail: deantech.ubkv@gmail.com	E-mails:
Web: www.ubkv.ac.in	Web:

Witness 1: *Ashis Kumar Das* 08.02.19.
ASHIS KUMAR DAS
ASSISTANT PROFESSOR
FACULTY OF TECHNOLOGY
UBKV, PUNDIBARI
COOCHBEHAR - 736165

Pradyut Datta 08/02/19
Witness 2:

PRADYUT DATTA
VILL. JIBDHARERKUTHI
P.O. RAJARHAT
DT. COOCH BEHAR

Debabrata Pal 8/2/19.
Witness 3:
DEBABRATA PAL
vill- Chhararkuthi
P.O. Rajarhat.
Dist - Cooch behar.

Om Prakash Chaturvedi 8/2/19
Witness 4:
Om Prakash Chaturvedi
Faculty of Technology, U.B.K.V.
Page 8 of 8
Pundibari, Coochbehar
- 736165

Bh
08/2/19

AUTHENTICATED

H. K. Das
19/02/19
Assistant Professor
Faculty of Technology,
Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar

Bipul Bhowmick

MEMORANDUM OF UNDERSTANDING(MOU)

BETWEEN

FACULTY OF TECHNOLOGY, UTTAR BANGA
KRISHI VISWAVIDYALAYA

&

MITRA BAKERY, COOCH BEHAR

[Signature]
08/2/19

Chandra Kishor
08/02/2019

AUTHENTICATED

[Signature]
19/02/19

Assistant Professor
Faculty of Technology,
Uttar Banga Krishi Viswavidyalaya
Dumkhan, Cooch Behar

MEMORANDUM OF UNDERSTANDING

This **Memorandum of Understanding** (hereinafter called as the 'MOU') is entered into on this the 8th day of - February - Two Thousand Nineteen (2019),

BETWEEN

Faculty of Technology, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar, West Bengal-736 165, the First Party represented herein by its Dean (hereinafter referred as 'First Party', the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors - in-office, administrators and assigns).

AND

Mitra Bakery, Khagrabari, Cooch Behar - 736 101, the Second Party, and represented herein by its proprietor, **Chandan Mitra**, (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors - in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

RS
08/2/19

AUTHENTICATED

H/S
19/02/19

Assistant Professor
Faculty of Technology,
Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar

Chandan Mitra
08/02/2019

WHEREAS:

- A) First Party is a Higher Educational Institution named:
- (i) **Faculty of Technology, Uttar Banga Krishi Viswavidyalaya**
- B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interest.
- E) **Mitra Bakery**, the Second Party is engaged in Business, Manufacturing, and Skill Development Trainings in the fields of *production of various bakery products including biscuits, bread, cookies, cake etc.*
- F) **Mitra Bakery** is a private entrepreneur having its manufacturing unit located at Khagrabari, Cooch Behar, West Bengal. The company was founded in the year 2014.
- G) There is no other branch of the **Mitra Bakery** at present and the production area of the concern is about 0.2 Acre.

SR
08/2/19

AUTHENTICATED

HSK
19/02/19
Assistant Professor
Faculty of Technology,
Uttar Banga Krishi Viswavidyalaya
Dundihari, Cooch Behar

Chandra
08/02/2019

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1 CO-OPERATION

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the **Institution** and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching / training systems, keeping in mind the needs of the industry, the Second Party.

CLAUSE 2 SCOPE OF THE MoU

- 2.1 The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.
- 2.2 **Curriculum Design:** Second Party will give valuable inputs to the First Party in teaching / training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.
- 2.3 **Industrial Training, Internship and Exposure Visits:** Industry and Institution interaction will give an insight into the latest developments /

Page 4 of 8

[Signature]
02/02/19

AUTHENTICATED

[Signature]
19/02/19

Assistant Professor
Faculty of Technology,
Jttar Banga Krisni Viswavidyalaya
Pundibari Cooch Behar

[Signature]
08/02/2019

requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its production unit and also involve in Industrial Training Programs for the First Party. The industrial training, internship and exposure visits provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Industrial Site for the hands-on training of the learners enrolled with the First Party.

- 2.4 Internships of Students:** Second Party will actively engage to help the delivery of the Internship of students of the First Party into internships, as per AICTE Internship Policy. The Second Party will also register itself on AICTE Internship Policy Portal for disseminating the Internship opportunities available with them.
- 2.5 Research and Development:** Both Parties have agreed to carry out the joint research activities in the fields of **development on innovative bakery products.**
- 2.6 Skill Development Programs:** Second Party to train the students of First Party on the emerging technologies in order to bridge the skill gap and make them industry ready.
- 2.7 Guest Lectures:** Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.
- 2.8 Faculty Development Programs:** Second Party to train the Faculties of First Party for imparting industrial exposure/ training as per the industrial requirement considering the National Occupational Standards in concerned sector, if available.
- 2.9** Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the

RS
08/02/19

AUTHENTICATED

Chandra Mishra
08/02/2019

HSK
19/02/19

Assistant Professor
Faculty of Technology,
Jtara Banga Kashi Vishwavidyalaya
Purandhar, Gorakhpur, Bihar

terms specified herein

- 2.10 There is no financial commitment on the part of the **Faculty of Technology**, the First Party to take up any program mentioned in the MoU. If there is any financial consideration, it will be dealt separately.

CLAUSE 3 INTELLECTUAL PROPERTY

- 3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

CLAUSE 4 VALIDITY

- 4.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period **Mitra Bakery**, the Second Party, as the case may be, will take effective steps for implementation of this MOU. Any act on the part of **Mitra Bakery**, the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MOU
- 4.2 Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations

CLAUSE 5 RELATIONSHIP BETWEEN THE PARTIES

- 5.1 It is expressly agreed that **Faculty of Technology** and **Mitra Bakery** are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied,

[Signature]
08/02/19

AUTHENTICATED

[Signature]
19/02/19

Assistant Professor
Faculty of Technology,
Jttr Banga Krishi Vishwavidyalaya
Pundibari, Cooch Behar

Page 6 of 8

[Signature]
08/02/2019

on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

RS
08/02/19
First Party
Dean (Acting)
Faculty of Technology
Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar-738165 (WB)

MITRA BAKERY
Chandra Moh
08/02/2019
Second Party
Partner

Any divergence or difference derived from the interpretation or application of the MoU shall be resolved by arbitration between the parties as per the Arbitration Act, 1996. The place of the arbitration shall be at District Head Quarters of the First Party. This undertaking is to be construed in accordance with Indian Law with exclusive jurisdiction in the Courts of Cooch Behar.

RS
08/02/19

AUTHENTICATED

HSK
19/02/19
Assistant Professor
Faculty of Technology,
Uttar Banga Krishi Viswavidyalaya
Pundibari Cooch Behar

Page 7 of 8

Chandra Moh
08/02/2019

AGREED:

For Faculty of Technology

RS
08/2/19**MITRA BAKERY***Chandra Mitra*
08/02/2019
For Mitra BakeryAuthorized Signatory
Faculty of Technology
Uttar Banga Krishi Viswavidyalaya
Pundibari Cooch Behar 736165 WB

Authorized Signatory

Name of Institution	Name of Industry
Address: Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar, West Bengal - 736 165	Address: Mitra Bakery, Khagrabari, Cooch Behar, West Bengal - 736 101
Contact Details: 9475833777	Contact Details: 9832407277
E-mail: deantech.ubkv@gmail.com	E-mails: mitrabakery.cob@gmail.com
Web: www.ubkv.ac.in	Web:

Witness1:

HSK
08/02/19
HIMADRI SHEKHAR KONAR
FACULTY OF TECHNOLOGY,
U.B.K.V., PUNDIBARI,
COOCH BEHAR,
WEST BENGAL - 736 165*Pulak Mitra*

Witness2:

PULAK NITRA
MITRA BAKERY, KHAGRABARI,
COOCH BEHAR, WB - 736 101

Witness3:

Om Prakash
8/2/19
OM PRAKASH CHATURVEDI
Faculty of Technology,
U.B.K.V., Pundibari
Cooch Behar, W.B. - 736165Witness4: *Ashis Kumar Das*ASHIS KUMAR DAS
ASSISTANT PROFESSOR
FACULTY OF TECHNOLOGY
UBKV, PUNDIBARI
COOCH BEHAR - 736165

Page 8 of 8

RS
08/2/19**AUTHENTICATED***HSK*
8/2/19Assistant Professor
Faculty of Technology,
Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar*Chandra Mitra*
08/02/2019



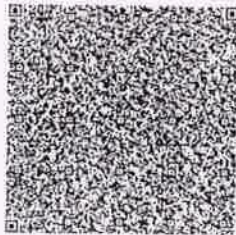
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INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

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Certificate Issued Date	: 07-Jun-2018 11:00 AM
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Purchased by	: TAPAN KUMAR MONDAL
Description of Document	: Article Others
Property Description	: Not Applicable
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First Party	: TAPAN KUMAR MONDAL
Second Party	: Not Applicable
Stamp Duty Paid By	: TAPAN KUMAR MONDAL
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)



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MEMORANDUM OF UNDERSTANDING

This memorandum of understanding is made between the **Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar 736165, West Bengal** (hereinafter referred to as "UBKV" which expression shall unless it be repugnant to the context or meaning thereof, be deemed to include its successors, legal representatives and permitted assigns) **First Part,**

AND

ICAR-National Research Center on Plant Biotechnology, under the administrative control of the Minister of Agriculture and Farmers Welfare, Government of India, with its registered office at Dr. Rajendra Prasad Road, Krishi Bhawan, New Delhi (hereinafter referred to as "ICAR-NRCPB" which expression shall unless it be repugnant to the context or meaning thereof, be

Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at www.stampedup.com and also on the website of the Government of India.
2. The duty of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the competent authority.

AUTHENTICATED
H.S.K. 19/6/18
Assistant Professor
Faculty of Technology,
Jttar Banga Krishi Viswavidyalaya,
Pundibari Cooch Behar

deemed to include its successors, legal representatives and permitted assigns) of the **Second Part., UBKV and ICAR-NRCPB** are hereinafter individually referred to as a 'Party' and collectively as 'Parties'.

2. General

2.1. This MOU proposes R&D promotion in partnership mode between UBKV and ICAR-NRCPB for carrying out joint research programmes in the areas of **"Development of semi-dwarf high yielding short grain aromatic traditional rice varieties of West Bengal through marker assisted breeding"** through project mode. The areas of responsibility and relationships presented hereinafter provide the concept under which the programme will be executed.

2.2. The research work will be executed in laboratories and field of the partner institutes and the Parties would share their facilities. The parties will study the possibilities of co-operation for carrying out specific investigations in accordance with the provisions of this MOU.

2.3. The research collaboration is intended to be flexible to allow the pursuit of new, unforeseen opportunities in the area of rice improvement for semi-dwarf high yielding short grain aromatic traditional rice varieties of West Bengal and related areas of research.

2.4. Details of molecular works related to this project (as mentioned in 4.1) will be carried out at ICAR-NRCPB.

2.5. Related field work such as development of mapping population, evaluations, phenotyping etc. will be carried out at UBKV, Pundibari, Cooch Behar (as mentioned in 4.2).

3. ACTIVITIES

The activities involved in rice improvement programme are mentioned below with objectives and deliverable of the research:-

Objectives:

- Development of semi-dwarf short grain aromatic rice varieties from Tulaipanji and Gobindobhog through marker assisted backcross breeding.

AUTHENTICATED

H. S. Kumar
19/02/19
Assistant Professor
Faculty of Technology,
Jttar Banga Krisni Viswavidyalaya
Pundibari Cooch Behar

[Signature]
[Signature]

- Mapping and validation of genes and QTLs of the products (varieties which will be developed from this project) for important quality traits.

Deliverables:

- Improved lodging-tolerant, semi-dwarf, aromatic varieties will be developed from Tulaipani and Gobindobhog.

4. RESPONSIBILITIES

Specific responsibilities will be allotted to individual institute and scientist concerned. After initiation of the project, each partner institute will identify more scientist/s (as per the requirement) for carrying out the work and achieving the objectives.

4.1. Responsibilities of ICAR-NRCPB

NRCPB will be responsible for DNA marker related works such as confirmation of hybridity and analysis of recovery of recipient parent background of recurrent parent, foreground and recombinant marker selection to avoid negative linkage drag using high density genotyping and array.

4.2. Responsibilities of UBKV

All breeding works including crossing, backcrossing, phenotyping, mapping population development and evaluation for various morphological, yield and quality parameters.

4.3. The expenditure of manpower and resources initially will be met from the respective parties. Each **Party** will execute its responsibilities from their internal available resources or through joint external funding projects.

5. REVIEW OF WORK

Progress of the work will be reviewed regularly by an evaluation committee formed with members from the partner institutes, **ICAR-NRCPB** and **UBKV** on a regular basis, at least once in year.

AUTHENTICATED

HSK
19/02/19
Assistant Professor
Faculty of Technology,
Jttar Banga Krisni Viswavidyalaya
Pundihari, Cooch Behar

Under. m n i

6. FUNDING

Initially the work will be started with *in-house* funding of the respective institutes but later a joint effort can be made for an external funding with proper permission from competent authority from both sides.

6. APPLICABLE LAWS

The applicable statutes, regulations, directives, and procedures of the Govt. of India shall govern this MoU and all documents as well as actions pursuant to it. Unless otherwise required by law, all works undertaken by **UBKV** and **ICAR-NRCPB** shall be governed by the policies and procedures of the respective institutions.

7. DISPUTES

Should there be any difference of opinion between the parties or if any dispute arises as to any of the matters provided for in this **Agreement**, the parties shall endeavor to settle such differences and/or disputes in an amicable manner through mutual consultation, failing which the dispute will be subject to New Delhi jurisdiction.

8. WARRANTIES

The parties in no way guarantee the research service performed pursuant to this Agreement and makes no warranties express or implied, regarding the quality of product produced under this Agreement.

9. INTELLECTUAL PROPERTY: Both the parties are expected to ensure protection of the Intellectual Property Rights generated or likely to be generated from this collaborative research work. Both the institutes will be joint applicants for IPRs and the students and involved scientific staff shall be included as the inventor/breeder/author. The 'ICAR Guidelines for Intellectual Property Management and Technology Transfer/Commercialization' as amended from time to time shall be the reference for exploitation of the generated intellectual property, whose management and benefits sharing shall be mutually decided in each case. A separate MOU will be signed in the advance stage of research if it leads towards the development of a product.

AUTHENTICATED

HSK
19/02/19

Assistant Professor
Faculty of Technology,
Jttar Banga Krishi Viswavidyalaya
Pundihar, Patna, Bihar

undat.
on 19/02/19

10.1. Records: During the term of this Agreement, the Parties shall keep complete and accurate records pertaining to the results and other details which shall be shared with the Parties.

10.2. Audit

During the term of this Agreement, both parties will keep complete and accurate records of the projects for the purpose of internal and/or external audit.

10. CONFIDENTIALITY

A party in receipt of confidential information from other Party must not use or disclose the other party's confidential information without that prior written consent other than (i) for the purpose of carrying out this MOU, provided any disclosure is only to such of the receiving Party's personnel or to its related company and its personnel who need to know and who is subject to the confidentiality requirements of this MOU or (ii) as required by law.

12. REPORTS AND PUBLICATIONS: The parties hereby agree to share all the information, experimental results and all the necessary and relevant data on a timely basis when ever required. Any publication will be made jointly by **UBKV** and **ICAR-NRCPB**. Knowledge transfer will not be encouraged without taking any permission from **UBKV/ICAR-NRCPB**.

13. MISCELLANEOUS

- a. **Other relationships or Obligations.** This MOU shall not affect any pre-existing or independent relationships or obligations between the parties.
- b. **Survival.** The provisions of this MOU that require performance after the expiration or termination of this MOU shall remain in force notwithstanding the expiration or termination of the MOU.
- c. **Severability.** If any provision of this MOU is determined to be invalid or unenforceable, the remaining provisions shall remain in force as unaffected to the fullest extent permitted by law and regulation.

14. REVIEW OF AGREEMENT

AUTHENTICATED

H. S. Kumar
19/02/19

Assistant Professor
Faculty of Technology,
Jttar Banga Krishn - Newavidyalaya

[Handwritten signature]

This agreement can be reviewed to ensure adequate identification of support requirements. Reviews may also take place when changing conditions or circumstances require substantial changes or development of a new agreement. Minor changes may be made at any time by correcting the existing document or attaching a memorandum to the basic document. Changes must be coordinated and initialed by authorized representatives of the parties.

15. AMENDMENT AND MODIFICATION

This MOU may be amended or modified only by written, mutual agreement of the Parties.

16. EFFECTIVE DATE

This agreement becomes effective upon the date of last approving signature and will remain in effect indefinitely until superseded, rescinded or modified by written, mutual agreement of both Parties.

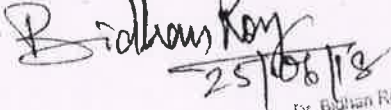
17. ACCEPTANCE OF AGREEMENT

Authorized Signatory
UBKV, Pundibari, Cooch Behar

Director of Research
Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar

Date:

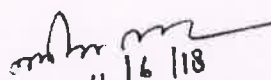
Witness

1. 
25/06/18
Dr. Bidhan Roy
Associate Professor & Head
Department of Seed Science and Technology
Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar-736165, West Bengal.
- 2.
- 3.

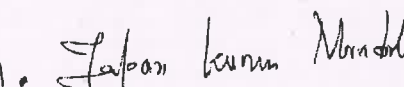
Date:

Signed this on ___ of ___ 2016

END OF DOCUMENT


11/6/18

Project Director
NRC on Plant Biotechnology-
L.B.S. Building, Pusa Campus,
Authorized Signatory New Delhi-110012
ICAR-NRCPB, New Delhi

1. 

डा. तपन कुमार मंडल, प्रमुख वैज्ञानिक (जैव प्रौद्योगिकी)
Dr. Tapan K. Mondal, Pr. Scientist (Biotechnology)
राष्ट्रीय पदम जैव प्रौद्योगिकी अनुसंधान केन्द्र
ICAR-National Research Centre on Plant Biotechnology
पूसा परिसर, नई दिल्ली-110012 Pusa, New Delhi-12

AUTHENTICATED


19/02/19
Assistant Professor
Faculty of Technology,
Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar



MEMORANDUM OF UNDERSTANDING

BETWEEN

**WESTERN SYDNEY UNIVERSITY, AUSTRALIA
ABN 53 014 069 881**

AND

UTTAR BANGA KRISHI VISWAVIDYALAYA, INDIA

1 PREAMBLE

- 1.1 Recognising the mutual benefits to be gained through a cooperative program promoting scholarly activities and international understanding, Western Sydney University (WSU) and the Uttar Banga Krishi Viswavidyalaya, India (UBKV) specified above enter into this Memorandum of Understanding on the terms set out below.

2 PURPOSE

- 2.1 The purpose of this Memorandum is to provide a framework by which the parties may in future explore joint activities together, in the academic areas of mutual interest, which may include:

- (a) development of collaborative research projects;
- (b) organisation of joint academic and scientific activities, such as courses, conferences, seminars, symposia or lectures;
- (c) exchange of academic staff for teaching and research activities;
- (d) exchange of PhD/HDR students to undertake study or participate in research programs; and
- (e) exchange of publications and other information of common interest.
- (f) organize joint short term continuing education programs on topics of mutual interest and to invite each other's faculty to participate therein.
- (g) facilitate provision of cultural and intellectual enrichment opportunities for staff and students of both institutes; and
- (h) Any other activity as mutually agreed between the parties.

AUTHENTICATED

H.S. Kumar
19/02/19

**Assistant Professor
Faculty of Technology,
Uttar Banga Krishi Viswavidyalaya
Pundihar, Cooch Behar**

- 2.2 Cooperative projects under this Memorandum may include any of the academic disciplines of the parties.

3 STATUS

- 3.1 This Memorandum does not create any legally binding obligations or rights between the parties.
- 3.2 The details, terms and conditions that guide specific identified activity will be determined separately and in accordance with the approvals procedures of both parties.
- 3.3 These details, terms and conditions shall include a technical description of the proposed activity, financial requirements, final arrangements, and person(s) responsible for implementation.
- 3.4 Any specific arrangements undertaken by the parties will be documented in legally binding agreements.

4 TERM OF THIS MEMORANDUM

- 4.1 This Memorandum commences on the date specified on the last page of this document, and remains in effect for a period of FIVE years from commencement.
- 4.2 The parties may extend or renew this Memorandum by mutual agreement.
- 4.3 Either party may terminate this Memorandum at any time by notifying the other party at least six (6) months in advance of the proposed date of termination.
- 4.4 Termination or expiry of this Memorandum does not affect any legally binding arrangements in effect or continuing following termination or expiry of this Memorandum.

5 COORDINATION OF AGREED ACTIVITIES

- 5.1 In order to carry out and fulfil the aims of this Memorandum, each party will appoint a coordinator, who will be responsible for managing the development and conduct of any activities upon which the parties agree.

6 JOINT ACTIVITIES

- 6.1 Either party may initiate proposals for activities at any time and submit them to the other party for consideration. If the parties agree to implement any proposal then they will enter into a legally binding agreement incorporating suitable provisions, depending on the nature of the activities agreed.

Page 2 of 3

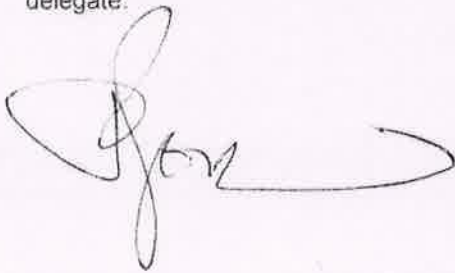
AUTHENTICATED

HSK
19/02/19
Assistant Professor
Faculty of Technology,
Jttar Banga Krisni Miswavidyalaya
Pundibari, Cooch Behar

SIGNATURE PAGE

This Memorandum of Understanding is dated 27 November, 2018.

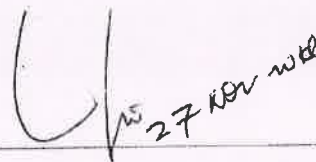
SIGNED for and on behalf of the
WESTERN SYDNEY UNIVERSITY ABN
53 014 069 881 by its authorised
delegate:



Professor Barney Glover

Vice-Chancellor and President

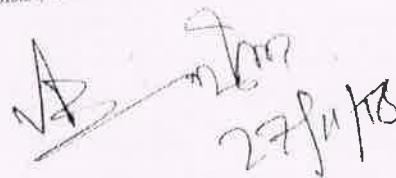
SIGNED for and on behalf of the **UTTAR**
BANGA KRISHI VISWAVIDYALAYA, INDIA
by its duly authorised officer or delegate:



Dr. Chirantan Chattopadhyay

Vice-Chancellor

Vice-Chancellor
Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar-736165 (W.B.)



Registrar
Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar

AUTHENTICATED


19/02/19
Assistant Professor
Faculty of Technology,
Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar



पश्चिमबङ्ग पश्चिम बंगाल WEST BENGAL

W 186776

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) is made and entered into on the **Fifth day of August, 2016** at Pundibari, Cooch Behar, West Bengal, INDIA

BETWEEN

Petroleum Conservation Research Association, a Registered Society under the Ministry of Petroleum & Natural Gas, Govt. of India and having its Registered Office at 'Sanrakshan Bhavan', 10 Bhikaji Cama Place, New Delhi-110066 and its Regional office at PCRA ER (Indian Oil Bhavan, 6th Floor, 2 Gariahat Road (South), Dhakuria, Kolkata-700068) hereinafter referred to as the "PCRA" of the ONE PART.

AND

Uttar Banga Krishi Viswavidyalaya (Pundibari, Cooch Behar, West Bengal, Pin-736165) hereinafter referred to as "UBKV" of the OTHER PART.

AUTHENTICATED

H. S. K. Roy
19/02/18

Assistant Professor
Faculty of Technology,
Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar

U. K. Roy
05/08/18

05/8

pg. 1

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Collectively the above Parties shall be referred as "The Parties" and individually as "PCRA" & "UBKV".

WHEREAS:

"PCRA" represents the Government of India's effort to promote conservation of petroleum products in all the sector of the economy viz. Industrial, Transport, Agriculture and Domestic. To promote conservation of Petroleum Products in Agriculture sector "PCRA" conducts activities in Agriculture sector for the improvement of energy use efficiency in the Agriculture Sector.

NOW IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES AS FOLLOWS:

That PCRA and UBKV will work collaboratively to spread awareness on energy use efficiency and conservation of petroleum products in Agriculture sector.

Agricultural Workshops

Agricultural workshops and seminars would be organized for dissemination of knowledge and information on energy conservation to the community engaged in agriculture.

UBKV will invite members from stake holders of agricultural community for the workshops to be organized in different districts of North Bengal. The infrastructural support will be provided by UBKV at the university campuses and in the Krishi Vigyan Kendras (KVKs) such as auditorium, seating arrangement and audio / video arrangements for display as necessary. UBKV will also provide faculty support for the agricultural workshops .

PCRA would serve as the knowledge partner by providing energy conservation tips and literature relevant to Agriculture sector.

PCRA would also provide necessary financial assistance as agreed prior to commencement of the programme.

UBKV will draw out advance plans for the programmes periodically and intimate PCRA from time to time. Representative of PCRA may participate in the Agricultural workshops and seminars whenever possible to boost the momentum of the programme.

AUTHENTICATED

H.S. Kumar
19/02/19

Assistant Professor
Faculty of Technology,
Jttar Banga Krisni Viswavidyalaya
Dundihari, Gopabandhu, Bihar

C. K. 05/18
05/18

Kisan Mela

PCRA will participate in Kisan Melas organized by UBKV from time to time depending on mutual convenience.

Validity

This Memorandum of Understanding is deemed to be effective from the date of signature and will remain in force for a period of 3(three) years thereafter which can be further extended subject to mutual consent in writing of both **The Parties**.

Correspondence:

Written communication between **The Parties** on any matter related to this Memorandum of Understanding (MoU) shall be made at the following addresses:

PCRA

Chief Regional Co-ordinator
Petroleum Conservation Research Association
6th Floor, Indian Oil Bhavan
2, Gariahat Road, (South)
Dhakuria, Kolkata - 700068

UBKV

Director of Extension Education
Uttar Banga Krishi Viswavidyalaya.
PO. Pundibari,
Dist. Cooch Behar
West Bengal. PIN-736165

Confidentiality:

"Both the Parties" shall treat the details of the Memorandum of Understanding (MoU) and their operations and affairs as confidential for the purposes of the Memorandum of Understanding (MoU) and shall not publish or disclose the same to any third party or entity, except under the provisions of law or order of court of law.

Termination of Memorandum of Understanding (MoU):

Either party shall have the right to terminate the MEMORANDUM OF UNDERSTANDING, with intimation to the other party at least 30 days in advance.

AUTHENTICATED

H. S. Kumar
19/02/19
Assistant Professor
Faculty of Technology,
Uttar Banga Krishi Viswavidyalaya
Cooch Behar

C. H. Singh
19/02/19
518

Intellectual Property Rights:

The Parties hereto understand and confirm that all contents including all signage, displays which include the logo and trademark of PCRA shall be displayed only upon prior consent from PCRA. Neither Party shall use the Intellectual Property of the other Party in any manner whatsoever without the prior consent of the other Party.

IN WITNESS WHEREOF, the Parties have executed this MEMORANDUM OF UNDERSTANDING as on the day, month and year first hereinabove written.

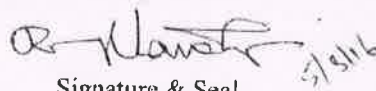
For and on behalf of
"Uttar Banga Krishi Viswavidyalaya"



Signature & Seal

Name: Dr. C. Chattopadhyay
Designation: Vice Chancellor
Uttar Banga Krishi
Viswavidyalaya
Date: August 05, 2016
Place: Pundibari, Cooch Behar (WB)

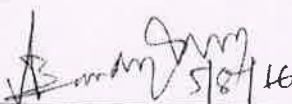
For and on behalf of
"Petroleum Conservation Research Association"



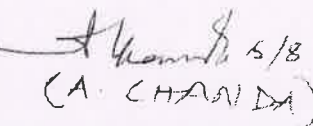
Signature & Seal

Name: P. K. Raychaudhuri
Designation: Director & Chief Regional
Coordinator,
PCRA ER
Date: August 05, 2016
Place: Pundibari, Cooch Behar

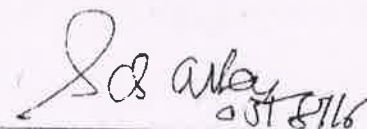
Witness: 1.


(Name & Signature)
(S. BANDYOPADHYAY)

Witness: 1.


(A. CHANDRA)
Addl. Dir., PCRA

2.


(Name & Signature)
(S. C. Sen)

2.

(Name & Signature)

AUTHENTICATED



Assistant Professor
Faculty of Technology,
Uttar Banga Krishi Viswavidyalaya
Pundibari Cooch Behar

18. LoA and subsequent EoA till the current Academic Year



अखिल भारतीय तकनीकी शिक्षा परिषद ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (भारत सरकार का एक संविधिक निकाय) A STATUTORY BODY OF THE GOVT. OF INDIA

F. No. 06/02/WB/ENGG/2005/010

June 21, 2005

To

The Secretary,
Deptt. of Higher Education,
Govt. of West Bengal,
Bikas Bhawan, Salt Lake City,
KOLKATA - 700 091.



Sub: AICTE approval to UTTAR BANGA KRISHI VISHWAVIDYALYA, P.O: PUNDIBARI, DIST: COOCH BEHAR, WEST BENGAL- 736165 for establishment of FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISHWAVIDYALYA, P.O: PUNDIBARI, DIST: COOCH BEHAR, WEST BENGAL for the Academic year 2005-06.

Sir/Madam,

The Application/ Proposal received from UTTAR BANGA KRISHI VISHWAVIDYALYA, P.O: PUNDIBARI, DIST: COOCH BEHAR, WEST BENGAL- 736165 has been processed as per laid down procedure, guidelines, policy and/or norms & standards of AICTE, mentioned in AICTE Regulations and/or "AICTE Hand Book for Approval Process".

I am directed to state that the All India Council for Technical Education (AICTE) is pleased to accord approval for Establishment of FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISHWAVIDYALYA, P.O: PUNDIBARI, DIST : COOCH BEHAR, WEST BENGAL for the academic year 2005-06 to conduct of following course(s) with annual intake as given below:

FULL TIME COURSE (S)	ANNUAL INTAKE	ENTRY LEVEL	DURATION (YEARS)	PERIOD OF APPROVAL
AGRICULTURAL ENGINEERING	15	10+2	4	2005-06
Total Annual Intake.	15			

Cont...2/

The Approval accorded above is subject to fulfillment of the following conditions:

1. The institution must have affiliation to a University for the above courses before making admissions. In the absence of such Affiliation this letter of approval shall be treated as Withdrawn (Order of the High Court of Madras in W.P. No. 33256 of 2002 and other Batch of Petitions).
2. No admission shall be made by the Institution, contrary to the guidelines issued by AICTE, for the academic session 2005-06. All the admissions must necessarily be made through Entrance Test.
3. The approved course(s) shall commence as per the academic calendar of the Affiliating University.
4. If this letter of approval is received by you after the closing date of State/ National level Central Counseling for Admissions in the concerned State/ Union Territory, this letter of Approval will not be valid for making any admission during the above specified academic year, and shall be treated as withdrawn.
5. No excess admission shall be made by the institution during any academic year.
6. The approval is valid only for the academic year 2005-06. If no further extension of AICTE approval is received beyond the academic year 2005-06, this Approval Letter will not be valid for making any admission for the subsequent years.
7. Any other condition(s) as may be specified by AICTE from time to time.

Consequent to the Supreme Court Judgment, the Model Constitution of Governing Body notified by AICTE in its approval Regulations 1994, stands overruled. It has been decided that while AICTE will not insist on any nomination in the Governing Body of Private Unaided Institution, the Affiliating University/ State Government shall impose minimum conditions of affiliation, such as, prescription of qualifications of Governing Body Members, in order to insure academic excellence. It shall be desirable for the private unaided institutions to induct at least 50% of the members of the Governing Body drawn from renowned academia, academic administrators, Subject Experts and professionals from industry in order to seek their innovative ideas for continuous improvement in the delivery of teaching learning process, matching best practices elsewhere and achieve excellence.

Cont 3/

Please note that the Council would verify the status in respect of recruitment of faculty and rectification of other deficiencies through Surprise Inspection without any prior intimation. The institution shall be liable for strict action including action under the relevant provisions of Indian Penal Code in case false information is furnished to the Council.

The Council has decided to undertake inspections without any prior notice before extending approval for the year 2006-07 anytime after August 2005. A compliance report in respect of conditions/ deficiencies listed in Annexure - A must be sent to the council before 31st August, 2005 in the absence whereof extension of approval for the year 2006-07 may not be considered.

The Compliance Report to be submitted to the Council by 31st August, 2005 should also be accompanied with a Visiting/ Processing Fee as prescribed by the Council in the form of Demand Draft in favour of the Member Secretary, AICTE payable at New Delhi. In the absence of the processing / visiting fee, the compliance report may not be entertained.

In the event of Infringement/ contravention or non-compliance of the above Conditions and/or the provision of AICTE Act & Regulations/ Guidelines/ Norms & Standards as prescribed by AICTE, further actions leading to "Reduced Intake" or "No Admission" or " Withdrawal of Approval", shall be taken by AICTE and the liability arising out of such actions will be solely that of the Management/ Trust/ Society and/ or the Institution.

Yours faithfully,



(Dr. P. Venkateswara Rao)
Adviser (UG/ PG)

Copy to:

1. The Regional Officer, Eastern Regional Office, AICTE, College of Leather Technology Campus, Salt Lake City, Sector-III, Kolkata - 700 009
2. Director of Technical Education, Govt. of West Bengal, Bikash Bhawan, 10th Floor, East Block, Salt Lake City, Calcutta- 700091
3. THE REGISTRAR
UTTAR BANGA KRISHI VISHWAVIDYALYA
P.O: PUNDIBARI, DIST : COOCH BEHAR
WEST BENGAL- 736165
4. Guard File Bureau (UG/PG)



अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)

F. No. 06/2/WB/ENGG/2005/010

Date: 15/05/2006

To,

The Principal Secretary,
Department of Higher Education, Govt of West Bengal,
Bikas Bhawan, Salt lake City,
Kolkata- 700091.

Sub: Extension of approval to FACULTY OF TECHNOLOGY UTTAR BANGA KRISHI VISHWAVIDYALAYA
P.O: PUNDIBARI, DIST : COOCH BEHAR WEST BENGAL for the academic year 2006-07

Sir,

As per the Regulations notified by the Council vide F No. 37-3/Legal/2004 dated 28th November 2005 and norms, standards, procedures and conditions prescribed by the Council from time to time and based on the recommendations of Appraisal Committee / Expert Committee, I am directed to convey the extension of approval of the Council to FACULTY OF TECHNOLOGY UTTAR BANGA KRISHI VISHWAVIDYALAYA P.O. PUNDIBARI, DIST : COOCH BEHAR WEST BENGAL for conduct of the following courses with the intake indicated below:

Name of the Course(s)	Existing Intake	Revised Intake	Period of approval
AGRICULTURAL ENGG	15	15	2006-2007
Total	15	15	

The above approval is subject to rectification of the following observations / deficiencies / specific conditions by 31st August 2006.

Faculty :

- ❖ Faculty in the Humanities & Sc. should be appointed in the ratio of 1:15 for the incoming batch of students.

Contd 2/

इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली - 110002
Indira Gandhi Sports Complex, I. P. Estate, New Delhi-110 002

दूरभाष / Phone : 23392506, 63-65-68, 71, 73-75 फेक्स / Fax : 011-23392554

वेबसाइट / Website : www.aicteernet.in

Note: *The mandatory disclosure in prescribed format if not hosted on the website should be hosted by 31st May, 2006, failing which action would be initiated as per the rules and regulations of the AICTE including No Admission / Withdrawal of approval.*

The institution is required to submit two copies of the Compliance Report, indicating the rectification of deficiencies along with mandatory disclosure and details of faculty recruited for each course in the prescribed format (available at AICTE Website www.aicteernet.in) to the concerned Regional Office latest by 31st August 2006 for consideration of approval beyond the session 2006-07

The Compliance Report must be accompanied with a processing fee of Rs. 40,000/- in the form of demand draft in the favour of Member Secretary, AICTE, payable at New Delhi. In the absence of processing fee the Compliance Report will not be entertained. Following the Compliance report, the Council would verify the status in respect of rectification of deficiencies through surprise random inspection without any prior notice.

The above approval if granted after rectification of deficiencies would be subject to the fulfillment of the following general conditions:

1. That the management shall provide adequate funds for development of land and for providing related infrastructural, instructional and other facilities as per norms and standards laid down by the Council from time to time and for meeting recurring expenditure.
2. (a) That the admission shall be made only after adequate infrastructure and all other facilities are provided as per norms and guidelines of the AICTE.
(b) That the admissions shall be made in accordance with the regulations notified by the Council from time to time
(c) That the curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by the AICTE.
(d) That the Institution shall not allow closure of the Institution or discontinuation of the course(s) or start any new course(s) or alter intake capacity of seats without the prior approval of the Council.
(e) That no excess admission shall be made by the Institution over and above the approved intake under any circumstances. In case any excess admission is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution
(f) That the institutions shall not have any collaborative arrangements with any Indian and/ or Foreign Universities for conduct of technical courses other than those approved by AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution
(g) That the Institution shall not conduct any course(s) in the field of technical education in the same premises/ campus and / or in the name of the Institution without prior permission/ approval of AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution
(h) The institution shall not conduct any non-technical course(s) in the same premises/ campus under any circumstances. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

contd. 3/

- 3 That the institution shall operate only from the approved location, and that the institution shall not open any off campus study centers/ extension centers directly or in collaboration with any other institution/ university/ organization for the purpose of imparting technical education without obtaining prior approval from the AICTE.
- 4 That the tuition and other fees shall be charged as prescribed by the Competent Authority within the overall criteria prescribed by the Council from time to time. No capitation fee shall be charged from the students/ guardians of students in any form.
- 5 That the accounts of the Institution shall be audited annually by a certified Chartered Accountant and shall be open for inspection by the Council or any body or persons authorized by it.
- 6 That the Director/ Principal and the teaching and other staff shall be selected according to procedures, qualifications and experience prescribed by the Council from time to time and pay scales are as per the norms prescribed by the Council from time to time.
- 7 (a) That the institution shall furnish requisite returns and reports as desired by AICTE in order to ensure proper maintenance of administrative and academic standards.
(b) That the technical institution shall publish an information booklet before commencement of the academic year giving details regarding the institution and courses/ programmes being conducted and details of infrastructural facilities including faculty etc. in the form of mandatory disclosure. The information booklet may be made available to the stakeholders of the technical education on cost basis. The mandatory disclosure information shall be put on the Institution Website. The information shall be revised every year with updated information about all aspects of the institution
(c) That it shall be mandatory for the technical institution to maintain a Website providing the prescribed information. The Website information must be continuously updated as and when changes take place.
(d) That a compliance report in the prescribed format along with mandatory disclosures on fulfillment of the above conditions, shall be submitted each year by the Institution within the time limit prescribed by the Council from time to time i.e. **31st August 2006 for the current year.**
(e) That if Technical Institution fails to disclose the information or suppress and/ or misrepresent the information, appropriate action could be initiated including withdrawal of AICTE approval.
- 8 That all the laboratories, workshops etc shall be equipped as per the syllabi of the concerned affiliated University and shall be in operational condition before making admissions.
- 9 That a library shall be established with adequate number of titles, books, journals (both Indian & Foreign) etc as per AICTE norms.
- 10 That a computer center with adequate number of terminals, Printers etc. shall be established as per AICTE norms.
- 11 AICTE may carry out random inspections round the year for verifying the status of the Institutions to ensure maintenance of norms and standards.
- 12 That the AICTE may also conduct inspections with or without notifying the dates to verify specific complaints of mis-representation, violation of norms and standards, mal-practices etc.
- 13 That the Institution by virtue of the approval given by Council shall not automatically become claimant to any grant-in-aid from the Central or State Government.
- 14 That the Management shall strictly follow further conditions as may be specified by the Council from time to time.



अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक संविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)

F. No. 06/02/WB/ENGG/2005/010

Date: 14.05.2007

To,

The Principal Secretary,
Department of Higher Education,
Govt of West Bengal,
Bikas Bhawan,
Salt lake City,, Kolkata- 700091.



Sub: Extension of approval to **FACULTY OF TECHNOLOGY UTTAR BANGA KRISHI VISHWAVIDYALAYA P.O: PUNDIBARI, DIST : COOCH BEHAR WEST BENGAL** for the academic year 2007-08

Sir,

As per the Regulations notified by the Council vide F.No-37-3/Legal/2004 dated 14th September 2006 and norms, standards, procedures and conditions prescribed by the Council from time to time and based on the recommendations of Appraisal Committee / Expert Committee, I am directed to convey the extension of approval of the Council to **FACULTY OF TECHNOLOGY UTTAR BANGA KRISHI VISHWAVIDYALAYA P.O: PUNDIBARI, DIST : COOCH BEHAR WEST BENGAL** for conduct of the following courses with the intake indicated below:

Name of the Course(s)	Existing Intake	Revised Intake	Period of approval
AGRICULTURAL ENGG	15	15	2007-08
Total	15	15	

The above approval is subject to rectification of the following observations / deficiencies / specific conditions by 31st August 2007.

➤ Faculty :

- ❖ Faculty with proper cadre ratio, requisite qualifications and experience to be appointed in all the disciplines as per AICTE norms.
- ❖ AICTE pay scales to be implemented for all faculty members.
- ❖ Faculty in the Basic Sci. & Hum and core courses should be made available as per AICTE norms.

➤ COMPUTER FACILITY:

Required		Available	Shortfall (Number)
Computer	8	4	4

➤ LIBRARY FACILITY:

- ❖ Number of Journals / Books to be increased as per AICTE norms.

Handwritten signature/initials

(17-0)

Note: The mandatory disclosure in prescribed format is required to be hosted on the website as per directions in the AICTE website failing which, action would be initiated as per the rules and regulations of the AICTE including No Admission / Withdrawal of approval.

The institution is required to submit two copies of the Compliance Report, indicating the rectification of deficiencies along with mandatory disclosure and details of faculty recruited for each course in the prescribed format (available at AICTE Website www.aicte.ernet.in) to the concerned Regional Office latest by 31st August 2007 for consideration of approval beyond the session 2007-08.

The Compliance Report must be accompanied with a processing fee of Rs. 40,000/- in the form of demand draft in the favour of Member Secretary, AICTE, payable at New Delhi. In the absence of processing fee the Compliance Report will not be entertained. Following the Compliance report, the Council would verify the status in respect of rectification of deficiencies through surprise random inspection without any prior notice.

The above approval if granted after rectification of deficiencies would be subject to the fulfillment of the following general conditions:


- 1 That the management shall provide adequate funds for development of land and for providing related infrastructural, instructional and other facilities as per norms and standards laid down by the Council from time to time and for meeting recurring expenditure.
2. (a) That the admission shall be made only after adequate infrastructure and all other facilities are provided as per norms and guidelines of the AICTE.
(b) ~~That the admissions shall be made in accordance with the regulations notified by the Council from time to time.~~
(c) That the curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by the AICTE.
(d) That the Institution shall not allow closure of the Institution or discontinuation of the course(s) or start any new course(s) or alter intake capacity of seats without the prior approval of the Council.
(e) That no excess admission shall be made by the Institution over and above the approved intake under any circumstances. In case any excess admission is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution
(f) That the institutions shall not have any collaborative arrangements with any Indian and/ or Foreign Universities for conduct of technical courses other than those approved by AICTE without obtaining prior approval from AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution
(g) That the Institution shall not conduct any course(s) in the field of technical education in the same premises/ campus and / or in the name of the Institution without prior permission/ approval of AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution
(h) The institution shall not conduct any non-technical course(s) in the same premises/ campus under any circumstances. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution
- 3 That the institution shall operate only from the approved location, and that the institution shall not open any off campus study centers/ extension centers directly or in collaboration with any other institution/ university/ organization for the purpose of imparting technical education without obtaining prior approval from the AICTE.

contd.. 3/-

- 4 That the tuition and other fees shall be charged as prescribed by the Competent Authority within the overall criteria prescribed by the Council from time to time. No capitation fee shall be charged from the students/ guardians of students in any form.
- 5 That the accounts of the Institution shall be audited annually by a certified Chartered Accountant and shall be open for inspection by the Council or any body or persons authorized by it.
- 6 That the Director/ Principal and the teaching and other staff shall be selected according to procedures, qualifications and experience prescribed by the Council from time to time and pay scales are as per the norms prescribed by the Council from time to time.
- 7 (a) That the institution shall furnish requisite returns and reports as desired by AICTE in order to ensure proper maintenance of administrative and academic standards.
- (b) That the technical institution shall publish an information booklet before commencement of the academic year giving details regarding the institution and courses/ programmes being conducted and details of infrastructural facilities including faculty etc. in the form of mandatory disclosure. The information booklet may be made available to the stakeholders of the technical education on cost basis. The mandatory disclosure information shall be put on the Institution Website. The information shall be revised every year with updated information about all aspects of the institution.
- (c) That it shall be mandatory for the technical institution to maintain a Website providing the prescribed information. The Website information must be continuously updated as and when changes take place.
- (d) That a compliance report in the prescribed format along with mandatory disclosures on fulfillment of the above conditions, shall be submitted each year by the Institution within the time limit prescribed by the Council from time to time i.e. 31st August 2007 for the current year.
- (e) That if Technical Institution fails to disclose the information or suppress and/ or misrepresent the information, appropriate action could be initiated including withdrawal of AICTE approval.
- 8 That all the laboratories, workshops etc. shall be equipped as per the syllabi of the concerned affiliated University and shall be in operational condition before making admissions.
- 9 That a library shall be established with adequate number of titles, books, journals (both Indian & Foreign) etc as per AICTE norms.
- 10 That a computer center with adequate number of terminals, Printers etc. shall be established as per AICTE norms.
- 11 AICTE may carry out random inspections round the year for verifying the status of the Institutions to ensure maintenance of norms and standards.
- 12 That the AICTE may also conduct inspections with or without notifying the dates to verify specific complaints of mis-representation, violation of norms and standards, mal-practices etc.
- 13 That the Institution by virtue of the approval given by Council shall not automatically become claimant to any grant-in-aid from the Central or State Government.
- 14 That the Management shall strictly follow further conditions as may be specified by the Council from time to time.

- 15 In the event of non-compliance by the **FACULTY OF TECHNOLOGY UTTAR BANGA KRISHI VISHWAVIDYALAYA P.O: PUNDIBARI, DIST : COOCH BEHAR WEST BENGAL** with regard to guidelines, norms and conditions prescribed from time to time the Council shall be free to take measures for withdrawal of its approval or recognition, without consideration of any related issues and that all liabilities arising out of such withdrawal would solely be that of **FACULTY OF TECHNOLOGY UTTAR BANGA KRISHI VISHWAVIDYALAYA P.O: PUNDIBARI, DIST : COOCH BEHAR WEST BENGAL**

Yours faithfully,



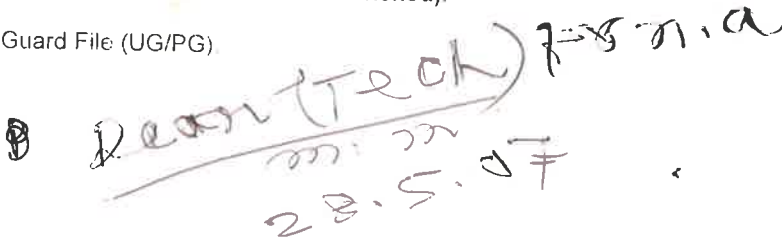
(Harish C. Rai)
Adviser- UG/PG (E&T)

Copy to:

- 1 Director of Technical Education ,
Govt of West Bengal, Bikash Bhawan,
10th Floor, East Block, salt Lake City, Kolkata- 700091.
- 2 The Registrar, WEST BENGAL UNIVERSITY OF TECH
(He is requested to complete the process of affiliation for facilitating admissions)
- 3 The Regional officer ,
Eastern Regional Office,
AICTE, College of Leather Technology Campus,
Salt Lake City, Sector-III, Kolkata- 700098.
- 4 ✓ The Principal,
**FACULTY OF TECHNOLOGY
UTTAR BANGA KRISHI VISHWAVIDYALAYA
P.O: PUNDIBARI, DIST : COOCH BEHAR WEST BENGAL**

(Relevant AICTE regulations / notifications / guidelines pertaining to Admission, Fees and Tuitions Fees waiver schemes are also annexed).

- 5 Guard File (UG/PG)


Dean (Tech)
28.5.17



अखिल भारतीय तकनीकी शिक्षा परिषद् ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(भारत सरकार का सांविधिक निकाय) (A statutory body of the Govt. of India)



F. No. 06/02/WB/ENGG/2005/010

Date: 2 MAY, 2008

To,

The Principal Secretary, Department of Higher Education,
Govt. of West Bengal, Bikas Bhawan,
Salt Lake City, Kolkata - 700091

Sub: Extension of approval to **FACULTY OF TECHNOLOGY UTTAR BANGA KRISHI VISHWAVIDYALAYA, P.O: PUNDIBARI, DIST : COOCH BEHAR , WEST BENGAL - 736165**

Sir,

As per the Regulations notified by the Council vide F.No. 37-3/Legal/2006 dated 14th September 2006 and norms, standards, procedures and conditions prescribed by the Council from time to time and based on the recommendations of Appraisal Committee / Expert Committee, I am directed to convey the extension of approval of the Council to **FACULTY OF TECHNOLOGY UTTAR BANGA KRISHI VISHWAVIDYALAYA P.O: PUNDIBARI, DIST : COOCH BEHAR WEST BENGAL - 736165** for conduct of the following courses with the intake indicated below:

Name of the Course(s)	Existing Intake	Revised Intake	Period of approval
AGRICULTURAL ENGG	15	15 ✓	
Total	15	15	2008-10*

* The Compliance Report along with requisite processing fee is required to be submitted every year by 31st August irrespective of the period of approval.

The above approval is subject to rectification of the following observations / deficiencies / specific conditions by 31st August 2008.

➤ **Faculty :**

- ❖ AICTE pay scales to be implemented for all faculty members.
- ❖ Faculty with proper cadre ratio, requisite qualifications and experience to be appointed in all the disciplines as per AICTE norms.
- ❖ Faculty in the core subjects and basic science & humanities to be provided as per AICTE norms.

➤ **LIBRARY FACILITY:**

- ❖ Number of books(Titles /Volumes) /Journals to be increased as per AICTE norms.

➤ **Others :**

- ❖ The deficiencies communicated in the last approval letter are not fully complied with.
- ❖ Infrastructural facilities in terms of Built up Area/equipments /machinery, faculty, library etc to made available as per AICTE norms/syllabus.

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7वाँ तल, चन्द्रलोक भवन, जनपथ, नई दिल्ली-110001

7th Floor, Chander Lok Building, Janpath, New Delhi-110001

Phone : 011-23724151-57 Fax : 011-23724183 Website : www.aicte.ernet.in

Note: The mandatory disclosure in prescribed format is required to be hosted on the website as per directions in the AICTE website failing which, action would be initiated as per the rules and regulations of the AICTE including No Admission / Withdrawal of approval.

The institution is required to submit two copies of the Compliance Report, indicating the rectification of deficiencies along with mandatory disclosure and details of faculty recruited for each course in the prescribed format (available at AICTE Website www.aicteernet.in) to the concerned Regional Office latest by 31st August 2008 for consideration of approval beyond the session 2008-09. It may be noted that all the Institutions are required to submit the compliance Report alongwith requisite processing fee by 31st August every year Irrespective of the period of approval .

The Compliance Report must be accompanied with a processing fee of Rs. 40,000/- in the form of demand draft in the favour of Member Secretary, AICTE, payable at New Delhi. In the absence of processing fee the Compliance Report will not be entertained. Following the Compliance report, the Council would verify the status in respect of rectification of deficiencies through surprise random inspection without any prior notice.

The above approval if granted after rectification of deficiencies would be subject to the fulfillment of the following general conditions:

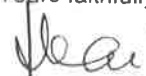
- 1 That the management shall provide adequate funds for development of land and for providing related infrastructural, instructional and other facilities as per norms and standards laid down by the Council from time to time and for meeting recurring expenditure.
2. (a) That the admission shall be made only after adequate infrastructure and all other facilities are provided as per norms and guidelines of the AICTE.
(b) That the admissions shall be made in accordance with the regulations notified by the Council from time to time.
(c) That the curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by the AICTE.
(d) That the Institution shall not allow closure of the Institution or discontinuation of the course(s) or start any new course(s) or alter intake capacity of seats without the prior approval of the Council.
(e) That no excess admission shall be made by the Institution over and above the approved intake under any circumstances. In case any excess admission is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution
(f) That the institutions shall not have any collaborative arrangements with any Indian and/ or Foreign Universities for conduct of technical courses other than those approved by AICTE without obtaining prior approval from AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution
(g) That the Institution shall not conduct any course(s) in the field of technical education in the same premises/ campus and / or in the name of the Institution without prior permission/ approval of AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution
(h) The institution shall not conduct any non-technical course(s) in the same premises/ campus under any circumstances. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution
- 3 That the institution shall operate only from the approved location, and that the institution shall not open any off campus study centers/ extension centers directly or in collaboration with any other institution/ university/ organization for the purpose of imparting technical education without obtaining prior approval from the AICTE.
- 4 That the tuition and other fees shall be charged as prescribed by the Competent Authority within the overall criteria prescribed by the Council from time to time. No capitation fee shall be charged from the students/ guardians of students in any form.
- 5 That the accounts of the Institution shall be audited annually by a certified Chartered Accountant and shall be open for inspection by the Council or any body or persons authorized by it.

contd.. 3/-

- 6 That the Director/ Principal and the teaching and other staff shall be selected according to procedures, qualifications and experience prescribed by the Council from time to time and pay scales are as per the norms prescribed by the Council from time to time.
- 7
 - (a) That the institution shall furnish requisite returns and reports as desired by AICTE in order to ensure proper maintenance of administrative and academic standards
 - (b) That the technical institution shall publish an information booklet before commencement of the academic year giving details regarding the institution and courses/ programmes being conducted and details of infrastructural facilities including faculty etc. in the form of mandatory disclosure. The information booklet may be made available to the stakeholders of the technical education on cost basis. The mandatory disclosure information shall be put on the Institution Website. The information shall be revised every year with updated information about all aspects of the institution.
 - (c) That it shall be mandatory for the technical institution to maintain a Website providing the prescribed information. The Website information must be continuously updated as and when changes take place.
 - (d) That a compliance report in the prescribed format along with mandatory disclosures on fulfillment of the above conditions, shall be submitted each year by the Institution within the time limit prescribed by the Council from time to time i.e. **31st August 2008 for the current year.**
 - (e) That if Technical Institution fails to disclose the information or suppress and/ or misrepresent the information, appropriate action could be initiated including withdrawal of AICTE approval.
- 8 That all the laboratories, workshops etc. shall be equipped as per the syllabi of the concerned affiliated University and shall be in operational condition before making admissions.
- 9 That a library shall be established with adequate number of titles, books, journals (both Indian & Foreign) etc as per AICTE norms.
- 10 That a computer center with adequate number of terminals, Printers etc. shall be established as per AICTE norms.
- 11 AICTE may carry out random inspections round the year for verifying the status of the Institutions to ensure maintenance of norms and standards.
- 12 That the AICTE may also conduct inspections with or without notifying the dates to verify specific complaints of mis-representation, violation of norms and standards, mal-practices etc.
- 13 That the Institution by virtue of the approval given by Council shall not automatically become claimant to any grant-in-aid from the Central or State Government.
- 14 That in the event of student/candidate withdrawing before the starting of the course, the wait listed candidates should be given admission against the vacant seat. The entire fee collected from the student, after a deduction of the processing fee of not more than Rs. 1000/- (Rupees one thousand only) shall be refunded and returned by the Institution/University to the student/candidate withdrawing from the programme. It would not be permissible for Institutions and Universities to retain the School/Institution Leaving Certificate in original to force retention of admitted students (See Public Notice aicte/DPG/03(01)/2008)
- 15 The Institute shall take appropriate measures for prevention of ragging in any form, in the light of directions of Supreme Court of India in Writ Petition No. © 656/1998. In case of failure to prevent the instances of ragging by the Institutions, the Council shall take appropriate action including withdrawal of approval.
- 16 That the Management shall strictly follow further conditions as may be specified by the Council from time to time.

17. In the event of non-compliance by the **FACULTY OF TECHNOLOGY UTTAR BANGA KRISHI VISHWAVIDYALAYA P.O: PUNDIBARI, DIST : COOCH BEHAR WEST BENGAL** with regard to guidelines, norms and conditions prescribed from time to time the Council shall be free to take measures for withdrawal of its approval or recognition, without consideration of any related issues and that all liabilities arising out of such withdrawal would solely be that of **FACULTY OF TECHNOLOGY UTTAR BANGA KRISHI VISHWAVIDYALAYA P.O: PUNDIBARI, DIST : COOCH BEHAR WEST BENGAL**

Yours faithfully,



(Harish C. Rai)
Adviser- UG/PG (E&T)

Copy to:

1. Director of Technical Education ,
Govt of West Bengal, Bikash Bhawan,
10th Floor, East Block, salt Lake City, Kolkata- 700091.
2. The Registrar, WEST BENGAL UNIVERSITY OF TECH
(He is requested to complete the process of affiliation for facilitating admissions).
3. The Regional officer ,
Eastern Regional Office,
AICTE, College of Leather Technology Campus,
Salt Lake City, Sector-III, Kolkata- 700098.
4. The Principal,
FACULTY OF TECHNOLOGY
UTTAR BANGA KRISHI VISHWAVIDYALAYA
P.O: PUNDIBARI, DIST : COOCH BEHAR WEST BENGAL

(Relevant AICTE regulations / notifications / guidelines pertaining to Admission, Fees and Tuitions Fees waiver schemes are also annexed).

5. Guard File (UG/PG).



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Eastern/1-473852783/2011/EOA

Date: 01-09-2011

To,
The Secretary (Technical education)
Govt. of West Bengal,
Bikash Bhawan, Room No. 602,
6th Floor Salt Lake, Kolkata-700091

Sub: Extension of approval for the academic year 2011-12.
Ref: Application of the Institution for Extension of Approval for the Year 2011-12

Sir/Madam,

In terms of the Regulations notified by the Council vide F No. 37-3/Legal/2011 dated 10/12/2010 and norms, standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the extension of approval of the Council to

Regional Office	Eastern	Application Id	1-473852783
		Permanent Id	
Name of the Institute	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA	Institute Address	P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165
Name of the Society/Trust	UTTAR BANGA KRISHI VISWAVIDYALAYA	Society/Trust Address	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165
Institute Type	Government		

to conduct following courses with the intake indicated below for the academic year 2011-12

Application Id: 1-473852783			Course	Full/Part Time	Affiliating Body	Intake 2010-11	Intake Approved for 11-12	NRI	PIO	Foreign Collaboration
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	AGRICULTURAL ENGINEERING	FULL TIME	Uttar Banga Krishi Vishwavidyalaya, Cooch Behar	15	15	No	No	No

The above mentioned approval is subject to the condition that FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding

Application Number : 1-473852783

Page 1 of 2

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Date of printing: 08-09-2011

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14-09-11

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Exchange F/Technology / File
for record
16.09.2011
Below
for VC 13.9.2011



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. K P Isaac)

Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**
All India Council for Technical Education
College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal
2. **The Director Of Technical Education,**
West Bengal
3. **The Registrar,**
Uttar Banga Krishi Vishwavidyalaya, Cooch Behar
4. **The Principal / Director,**
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA
P.O. PUNDIBARI,
COOCHBEHAR, COOCH BEHAR,
West Bengal, 736165
5. **The Secretary / Chairman,**
UTTAR BANGA KRISHI VISWAVIDYALAYA
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI,
COOCHBEHAR, COOCH BEHAR,
West Bengal, 736165
6. **Guard File(AICTE)**



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Eastern/1-794147922/2012/EOA

Date: 10 May 2012

To,
The Secretary (Technical education)
Govt. of West Bengal,
Bikash Bhawan, Room No. 602,
6th Floor Salt Lake, Kolkata-700091

Sub: Extension of approval for the academic year 2012-13

Ref: Application of the Institution for Extension of approval for the academic year 2012-13

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2010 notified by the Council vide notification number F-No.37-3/Legal/2010 dated 10/12/2010 and amendment vide notification number F-No.37-3/Legal/2011 dated 30/09/2011 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Eastern	Application Id	1-794147922
		Permanent Id	1-473852783
Name of the Institute	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA	Institute Address	P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165
Name of the Society/Trust	UTTAR BANGA KRISHI VISWAVIDYALAYA	Society/Trust Address	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165
Institute Type	Government		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2012-13



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application Id: 1-794147922			Course	Full/Part Time	Affiliating Body	Intake 2011-12	Intake Approved for 12-13	NRI	PIO	Foreign Collaboration
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	AGRICULTURAL ENGINEERING	FULL TIME	Uttar Banga Krishi Vishwavidyalaya, Cooch Behar	15	15	No	No	No

The above mentioned approval is subject to the condition that FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. K P Isaac)

Member Secretary, AICTE

Copy to:

- The Regional Officer,**
All India Council for Technical Education
College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal
- The Director Of Technical Education,**
West Bengal
- The Registrar,**
Uttar Banga Krishi Vishwavidyalaya, Cooch Behar
- The Principal / Director,**
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA
P.O. PUNDIBARI,
COOCHBEHAR, COOCH BEHAR,



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

West Bengal,736165

5. **The Secretary / Chairman,**
UTTAR BANGA KRISHI VISWAVIDYALAYA
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI,
COOCHBEHAR, COOCH BEHAR,
West Bengal,736165
6. **Guard File(AICTE)**

Application Number: 1-794147922*

Page 3 of 3

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Letter Printed On:22 May 2012.

Printed By : AIC003855



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Eastern/1-1372064084/2013/EOA

Date: 19-Mar-2013

To,
The Secretary (Technical education)
Govt. of West Bengal,
Bikash Bhawan, Room No. 602,
6th Floor Salt Lake, Kolkata-700091

Sub: Extension of approval for the academic year 2013-14

Ref: Application of the Institution for Extension of approval for the academic year 2013-14

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F.No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Eastern	Application Id	1-1372064084
		Permanent Id	1-473852783
Name of the Institute	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA	Institute Address	P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165
Name of the Society/Trust	UTTAR BANGA KRISHI VISWAVIDYALAYA	Society/Trust Address	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165
Institute Type	Government		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2013-14



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001

PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application Id: 1-1372064084			Course	Full/Part Time	Affiliating Body	Intake 2012-13	Intake Approved for 13-14	NRI	PIO	Foreign Collaboration
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	AGRICULTURAL ENGINEERING	FULL TIME	Uttar Banga Krishi Vishwavidyalaya, Cooch Behar	15	15	No	No	No

- Validity of the course details may be verified at www.aicte-india.org/departments/approvals

The above mentioned approval is subject to the condition that FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. Kuncheria P. Isaac)

Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**
All India Council for Technical Education
College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal
2. **The Director Of Technical Education,**
West Bengal
3. **The Registrar,**
Uttar Banga Krishi Vishwavidyalaya, Cooch Behar
4. **The Principal / Director,**

Application Number: 1-1372064084*

Page 2 of 3

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Letter Printed On: 19 April 2013.

Printed By : AIC003855



All India Council for Technical Education
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7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA
P.O. PUNDIBARI,
COOCHBEHAR, COOCH BEHAR,
West Bengal, 736165

5. **The Secretary / Chairman,**
UTTAR BANGA KRISHI VISWAVIDYALAYA
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI,
COOCHBEHAR, COOCH BEHAR,
West Bengal, 736165
6. **Guard File(AICTE)**



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Eastern/1-2010939965/2014/EOA

Date: 04-Jun-2014

To,
The Secretary (Technical education)
Govt. of West Bengal,
Bikash Bhawan, Room No. 602,
6th Floor Salt Lake, Kolkata-700091

Sub: Extension of approval for the academic year 2014-15

Ref: Application of the Institution for Extension of approval for the academic year 2014-15

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Eastern	Application Id	1-2010939965
		Permanent Id	1-473852783
Name of the Institute	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA	Institute Address	P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165
Name of the Society/Trust	UTTAR BANGA KRISHI VISWAVIDYALAYA	Society/Trust Address	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165
Institute Type	Government		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2014-15

Application Number: 1-2010939965*

Page 1 of 3

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:10 July 2014

Printed By : AIC003855



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7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application Id: 1-2010939965			Course	Full/Part Time	Affiliating Body	Intake 2013-14	Intake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	AGRICULTURAL ENGINEERING	FULL TIME	Uttar Banga Krishi Vishwavidyalaya, Cooch Behar	15	15	NA	NA	N

- Validity of the course details may be verified at www.aicte-india.org>departments>approvals

The above mentioned approval is subject to the condition that FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal and subsequently upload and update the student/ faculty/ other data on portal as per the time schedule which will be intimated by AICTE.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. Kuncheria P. Isaac)

Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**
All India Council for Technical Education
College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal
2. **The Director Of Technical Education,**
West Bengal

Application Number: 1-2010939965*

Page 2 of 3

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Letter Printed On:10 July 2014

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7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

3. **The Registrar,**
Uttar Banga Krishi Vishwavidyalaya, Cooch Behar
4. **The Principal / Director,**
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA
P.O. PUNDIBARI,
COOCHBEHAR, COOCH BEHAR,
West Bengal, 736165
5. **The Secretary / Chairman,**
UTTAR BANGA KRISHI VISWAVIDYALAYA
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI,
COOCHBEHAR, COOCH BEHAR,
West Bengal, 736165
6. **Guard File(AICTE)**

Application Number: 1-2010939965*

Page 3 of 3

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Letter Printed On:10 July 2014

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7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Eastern/1-2449863217/2015/EOA

Date: 07-Apr-2015

To,
The Secretary (Technical education)
Govt. of West Bengal,
Bikash Bhawan, Room No. 602,
6th Floor Salt Lake, Kolkata-700091

Sub: Extension of approval for the academic year 2015-16

Ref: Application of the Institution for Extension of approval for the academic year 2015-16

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Eastern	Application Id	1-2449863217
		Permanent Id	1-473852783
Name of the Institute	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA	Institute Address	P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165
Name of the Society/Trust	UTTAR BANGA KRISHI VISWAVIDYALAYA	Society/Trust Address	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165
Institute Type	Government		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2015-16

Application Number: 1-2449863217*

Page 1 of 3

Note: This is a Computer generated Letter of Approval. No signature is required.

Letter Printed On: 30 June 2015

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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application Id: 1-2449863217			Course	Full/Part Time	Affiliating Body	Intake 2014-15	Intake Approved for 15-16	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	AGRICULTURAL ENGINEERING	FULL TIME	Uttar Banga Krishi Vishwavidyalaya, Cooch Behar	15	15	NA	NA	NA

Note: Validity of the course details may be verified at www.aicte-india.org/departments/approvals

The above mentioned approval is subject to the condition that FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Dr. Avinash S Pant
Actg Chairman, AICTE

Copy to:

1. The Regional Officer,
All India Council for Technical Education
College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal
2. The Director Of Technical Education,
West Bengal

Application Number: 1-2449863217*

Page 2 of 3

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Letter Printed On: 30 June 2015

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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

3. **The Registrar,**
Uttar Banga Krishi Vishwavidyalaya, Cooch Behar
4. **The Principal / Director,**
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA
P.O. PUNDIBARI,
COOCHBEHAR, COOCH BEHAR,
West Bengal, 736165
5. **The Secretary / Chairman,**
UTTAR BANGA KRISHI VISWAVIDYALAYA
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI,
COOCHBEHAR, COOCH BEHAR,
West Bengal, 736165
6. **Guard File(AICTE)**



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7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 2372415/1/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Eastern/1-2811664228/2016/EOA

Date: 05-Apr-2016

To,

The Secretary (Technical education)
Govt. of West Bengal,
Bikash Bhawan, Room No. 602,
6th Floor Salt Lake, Kolkata-700091

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F.No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Eastern	Application id	1-2811664228
Name of the Institute	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA	Permanent Id	1-473852783
Name of the Society/Trust	UTTAR BANGA KRISHI VISWAVIDYALAYA	Institute Address	P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165
Institute Type	Government	Society/Trust Address	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id 1-2811664228			Course	Full/Part Time	Affiliating Body	Intake 2015-16	Intake Approved for 2016-17	NRI Approval status	PIO / FN / Gulf quota Approval status	Foreign Collaboration/Twinning Program Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	AGRICULTURAL ENGINEERING	FULL TIME	Uttar Banga Krishi Vishwavidyalaya, Cooch	15	15	NA	NA	NA

Application Number 1-2811664228

Note: This is a Computer generated Report No signature is required

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Page 1 of 2
Letter Printed On: 10 May 2016



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

GY		TE			Behar					
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The above mentioned approval is subject to the condition that FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:

1. **The Regional Officer,**
All India Council for Technical Education
College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal
2. **The Director Of Technical Education,**
West Bengal
3. **The Registrar,**
Uttar Banga Krishi Vishwavidyalaya, Cooch Behar
4. **The Principal / Director,**
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA
P.O. PUNDIBARI,
COOCHBEHAR, COOCH BEHAR,
West Bengal, 736165
5. **The Secretary / Chairman,**
UTTAR BANGA KRISHI VISWAVIDYALAYA
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI,
COOCHBEHAR, COOCH BEHAR,
West Bengal, 736165
6. **Guard File(AICTE)**



All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg Vasant Kunj, New Delhi - 110067

PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Eastern/1-3324460334/2017/EOA

Date: 30-Mar-2017

To,

The Secretary (Technical education)
Govt. of West Bengal,
Bikash Bhawan, Room No. 602,
6th Floor Salt Lake, Kolkata-700091

Sub: Extension of approval for the academic year 2017-18

Re: Application of the Institution for Extension of approval for the academic year 2017-18

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2016 notified by the Council vide notification number F.No.AE/AICTE/REG/2016 dated 30/11/2016 and other standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to:

Permanent Id	1-473852783	Application Id	1-3324460334
Name of the Institute	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA	Institute Address	P.O. PUNDIBARI, COOCH-BEHAR, COOCH-BEHAR, West Bengal, 736165
Name of the Society/Trust	UTTAR BANGA KRISHI VISWAVIDYALAYA	Society/Trust Address	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA, P.O. PUNDIBARI, COOCH-BEHAR, COOCH-BEHAR, West Bengal, 736165
Institute Type	Government	Region	Eastern

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable
Opted for Conversion from degree to diploma	No	Opted for Conversion from diploma to degree	No	Conversion (degree to diploma or vice-versa) Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2017-18

Application Id: 1-3324460334			Course	Full/Part Time	Affiliating Body	Intake Approved for 2016-17	Intake Approved for 2017-18	NRI Approval status	PIQ / FN / Gulf quota / OCI / Approval status	Foreign Collaborations Training Program Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	AGRICULTURAL ENGINEERING	FULL TIME	Uttar Banga Krishi Vishwavidyalaya, Cooch Behar	15	15	N/A	N/A	Nil

Application Number: 1-3324460334

Note: This is a Computer generated Report. No signature is required 2017

Printed By: aic003855

Page 1 of 3
Letter Printed on: 29th November



All India Council for Technical Education

(A Statutory body under Ministry of HRD Govt. of India)

Nelson Mandela Marg Vasanti Kunj, New Delhi-110067

PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No., 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org.

Prof. A.P. Mittal
Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**
All India Council for Technical Education
College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal
2. **The Director Of Technical Education**,**
West Bengal
3. **The Registrar**,**
Uttar Banga Krishi Vishwavidyalaya, Cooch Behar
4. **The Principal / Director,**
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA
P.O. PUNDIBARI,
COOCHBEHAR, COOCH BEHAR,
West Bengal, 736165
5. **The Secretary / Chairman,**
UTTAR BANGA KRISHI VISWAVIDYALAYA
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI,
COOCHBEHAR, COOCH BEHAR,
West Bengal, 736165
6. **Guard File(AICTE)**

Note: ** - Approval letter copy will not be communicated through post/email. However, provision is made in the portal for downloading Approval letter through Authorized login credentials allotted to concerned DTE/Registrar.

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



APPROVAL PROCESS 2018-19

Extension of Approval (EoA)

F.No. Eastern/1-3508997571/2018/EOA

Date: 04-Apr-2018

To,

The Secretary (Technical education)
Govt. of West Bengal,
Bikash Bhawan, Room No. 602,
6th Floor Salt Lake, Kolkata-700091

Sub: Extension of Approval for the Academic Year 2018-19

Ref: Application of the Institution for Extension of approval for the Academic Year 2018-19

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2016 notified by the Council vide notification number F.No.AB/AICTE/REG/2016 dated 30/11/2016 and amended on December 5, 2017 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to



Permanent Id	1-473852783	Application Id	1-3508997571
Name of the Institute	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA	Name of the Society/Trust	UTTAR BANGA KRISHI VISWAVIDYALAYA
Institute Address	P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165	Society/Trust Address	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI, COOCHBEHAR, COOC H BEHAR, West Bengal, 736165
Institute Type	Government	Region	Eastern

Opted for Change from Women to Co-Ed and vice versa	No	Change from Women to Co-Ed and vice versa Approved or Not	NA
Opted for Change of Name	No	Change of Name Approved or Not	NA
Opted for Change of Site	No	Change of Site Approved or Not	NA
Opted for Conversion from Degree to Diploma or vice versa	No	Conversion for Degree to Diploma or vice versa Approved or Not	NA
Opted for Organization Name Change	No	Change of Organization Name Approved or Not	NA

To conduct following Courses with the Intake indicated below for the Academic Year 2018-19

Program	Shift	Level	Course	FT/PT+	Affiliating Body (Univ/Body)	Intake Approved for 2018-19	NRI Approval Status	PIQ / FN / Gulf quota/ OCI/ Approval Status	Foreign Collaboration /Twining Program Approval Status*
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	AGRICULTURAL ENGINEERING	FT	Uttar Banga Krishi Vishwavidyalaya, Cooch Behar	15	NA	NA	NA

+FT –Full Time, PT-Part Time

Deficiencies Noted based on Self Disclosure

Particulars	Deficiency
Other Details Deficiency	
List of faculty and data uploaded on the Institute web portal	Yes
Anti-Ragging Related Deficiency	
Appointment of Counselors	Yes
Ombudsman Related Deficiency	
Grievance Committee	Yes
Other Facilities Deficiency	
Appointment of Student Counsellor	Yes
Establishment of Internal Complaint Committee (ICC) As per section 4 of Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013	Yes
Establishment of Grievance Redressal Committee in the Institute and Appointment of OMBUDSMAN by the University	Yes
Digital Payment for all Financial Transactions as per MHRD Directives	Yes
Compliance of the National Academic Depository (NAD) as per MHRD Directives	Yes
Display Board within the premises as well as in the Website of the Institution Indicating the Feedback Facility of Students and Faculty available in the AICTE Web Portal	Yes
Implementing Food Safety and Standard Act, 2006 in the Institution	Yes
Provision to watch MOOCs Courses through Swayam	Yes
Institution-Industry Cell	Yes
Insurance for Students	Yes
Applied membership-National Digital Library	Yes
Instructional Area Common Facilities	
Language Laboratory	Yes

*Please refer Deficiency Report for details

FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA is hereby informed to submit the compliance of the deficiencies mentioned above to the Regional Office within a period of **6 months** from the date of issuance of this letter failing which the council shall initiate strict action as defined in Approval Process Handbook 2018-19 during the subsequent Academic Year.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Prof. A.P Mittal
Member Secretary, AICTE

Copy to:

1. The Regional Officer,
All India Council for Technical Education
College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal
2. The Director Of Technical Education**,
West Bengal
3. The Registrar**,
Uttar Banga Krishi Vishwavidyalaya, Cooch Behar
4. The Principal / Director,
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA
P.O. PUNDIBARI,
COOCHBEHAR, COOCH BEHAR,
West Bengal, 736165

5. The Secretary / Chairman,
UTTAR BANGA KRISHI VISWAVIDYALAYA
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI,
COOCHBEHAR, COOCH BEHAR,
West Bengal, 736165
6. Guard File(AICTE)

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.



All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

APPROVAL PROCESS 2019-20

Extension of Approval (EoA)

F.No. Eastern/1-4259576656/2019/EOA

Date: 10-Apr-2019

To,

The Secretary (Technical education)
Govt. of West Bengal,
Bikash Bhawan, Room No. 602,
6th Floor Salt Lake, Kolkata-700091

Sub: Extension of Approval for the Academic Year 2019-20

Ref: Application of the Institution for Extension of approval for the Academic Year 2019-20

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2018 notified by the Council vide notification number F.No.AB/AICTE/REG/2018 dated 31/12/2018 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-473852783	Application Id	1-4259576656
Name of the Institute	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA	Name of the Society/Trust	UTTAR BANGA KRISHI VISWAVIDYALAYA
Institute Address	P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165	Society/Trust Address	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI COOCHBEHAR, COOC H BEHAR, West Bengal, 736165
Institute Type	Government	Region	Eastern

Opted for Change from Women to Co-Ed and vice versa	No	Change from Women to Co-Ed and vice versa Approved or Not	NA
Opted for Change of Name	No	Change of Name Approved or Not	NA
Opted for Change of Site/Location	No	Change of Site/Location Approved or Not	NA
Opted for Conversion from Degree to Diploma or vice versa	No	Conversion for Degree to Diploma or vice versa Approved or Not	NA
Opted for Organization Name Change	No	Change of Organization Name Approved or Not	NA
Opted for Merger of Institution	No	Merger of Institution Approved or Not	NA
Opted for Introduction of New Program/Level	No	Introduction of Program/Level Approved or Not	NA

To conduct following Courses with the Intake indicated below for the Academic Year 2019-20

Program	Shift	Level	Course	FT/PT+	Affiliating Body (Univ/Body)	Intake Approved for 2019-20	NRI Approval Status	PIO / FN / Gulf quota/ OCI/ Approval Status
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	AGRICULTURAL ENGINEERING	FT	Uttar Banga Krishi Vishwavidyalaya, Cooch Behar	15	NA	NA

+FT -Full Time, PT-Part Time

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

It is mandatory to comply all the essential requirements as given in APH 2019-20(appendix 6)

NOTE: If the State Government / UT / DTE / DME has a reservation policy for admission in Technical Education Institutes and the same is applicable to Private & Self-financing Technical Institutions, then the State Government / UT/ DTE / DME shall ensure that 10 % of Reservation for EWS would be operational from the Academic year 2019-20 without affecting the percentage reservations of SC/ST/OBC/General . However, this would not be applicable in the case of Minority Institutions referred to the clause (1) of Article 30 of Constitution of India.

Prof. A.P Mittal
Member Secretary, AICTE

Copy to:

1. **The Director Of Technical Education****, West Bengal
2. **The Registrar****,
Uttar Banga Krishi Vishwavidyalaya, Cooch Behar
3. **The Principal / Director**,
Faculty Of Technology, Uttar Banga Krishi Viswavidyalaya
P.O. Pundibari,
Coochbehar, Cooch Behar,
West Bengal, 736165
4. **The Secretary / Chairman**,
Uttar Banga Krishi Viswavidyalaya
Faculty Of Technology, Uttar Banga Krishi Viswavidyalaya P.O. Pundibari,
Coochbehar, Cooch Behar,
West Bengal, 736165
5. **The Regional Officer**,
All India Council for Technical Education
College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal
6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.



APPROVAL PROCESS 2020-21

Extension of Approval (EOA)

F.No. Eastern/1-7011558370/2020/EOA

Date: 30-Apr-2020

To,

The Secretary (Technical education)
Govt. of West Bengal,
Bikash Bhawan, Room No. 602,
6th Floor Salt Lake, Kolkata-700091

Sub: Extension of Approval for the Academic Year 2020-21

Ref: Application of the Institution for Extension of Approval for the Academic Year 2020-21

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2020 notified by the Council vide notification number F.No. AB/AICTE/REG/2020 dated 4th February 2020 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-473852783	Application Id	1-7011558370
Name of the Institute	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA	Name of the Society/Trust	UTTAR BANGA KRISHI VISWAVIDYALAYA
Institute Address	P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165	Society/Trust Address	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI, COOCHBEHAR, COO CH BEHAR,, 736165
Institute Type	Government	Region	Eastern

To conduct following Courses with the Intake indicated below for the Academic Year 2020-21

Program	Level	Course	Affiliating Body (University /Body)	Intake Approved for 2019-20	Intake Approved for 2020-21	NRI Approval Status	PIO / FN / Gulf quota/ OCI/ Approval Status
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	AGRICULTURAL ENGINEERING	Uttar Banga Krishi Vishwavidyalaya, Cooch Behar	15	30	NA	No

It is mandatory to comply with all the essential requirements as given in APH 2020-21 (Appendix 6)

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2020-21 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years beginning with the Academic Year 2020-21
2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intake shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2020-21 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook. All such Institutions/ Universities shall have to create the necessary Faculty, Infrastructure and other facilities WITHIN 2 YEARS to fulfil the norms based on the Affidavit submitted to AICTE.
3. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.
4. Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 373/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy to:

1. **The Director Of Technical Education****, West Bengal
2. **The Registrar****,
Uttar Banga Krishi Vishwavidyalaya, Cooch Behar
3. **The Principal / Director**,
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA
P.O. Pundibari,
Coochbehar,Cooch Behar,
West Bengal,736165
4. **The Secretary / Chairman**,
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI
COOCHBEHAR,COOCH BEHAR
,736165
5. **The Regional Officer**,
All India Council for Technical Education
College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal
6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.



APPROVAL PROCESS 2021-22

Extension of Approval (EoA)

F.No. Eastern/1-9317980310/2021/EOA

Date: 25-Jun-2021

To,

The Secretary (Technical education)
Govt. of West Bengal,
Bikash Bhawan, Room No. 602,
6th Floor Salt Lake, Kolkata-700091

Sub: Extension of Approval for the Academic Year 2021-22

Ref: Application of the Institution for Extension of Approval for the Academic Year 2021-22

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, Notified on 4th February, 2020 and amended on 24th February 2021 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to:

Permanent Id	1-473852783	Application Id	1-9317980310
Name of the Institution /University	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA	Name of the Society/Trust	UTTAR BANGA KRISHI VISWAVIDYALAYA
Institution /University Address	P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165	Society/Trust Address	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165
Institution /University Type	Government	Region	Eastern

To conduct following Programs / Courses with the Intake indicated below for the Academic Year 2021-22

Program	Level	Course	Affiliating Body (University /Body)	Intake Approved for 2020-21	Intake Approved for 2021-22	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	AGRICULTURAL ENGINEERING	Uttar Banga Krishi Vishwavidyalaya, Cooch Behar	30	30	NA	NA

It is mandatory to comply with all the essential requirements as given in APH 2021-22 (Appendix 6)

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.
2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intake shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2021-22 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook.
3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as per the provisions made in Approval Process Handbook and AICTE Regulation notified from time to time.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy ** to:

1. **The Director of Technical Education**, West Bengal**
2. **The Registrar**,
Uttar Banga Krishi Vishwavidyalaya, Cooch Behar**
3. **The Principal / Director,
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA
P.O. Pundibari,
Coochbehar,Cooch Behar,
West Bengal,736165**
4. **The Secretary / Chairman,
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI
COOCHBEHAR,COOCH BEHAR
West Bengal,736165**
5. **The Regional Officer,
All India Council for Technical Education
College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal**
6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/> .

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

This is a computer generated Statement. No signature Required

All India Council for Technical Education
(A Statutory body under Ministry of Education, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



APPROVAL PROCESS 2022-23

Extension of Approval (EoA)

F.No. Eastern/1-10967866504/2022/EOA

Date: 02-Jun-2022

To,

The Secretary (Technical education)
Govt. of West Bengal,
Bikash Bhawan, Room No. 602,
6th Floor Salt Lake, Kolkata-700091

Sub: Extension of Approval for the Academic Year 2022-23

Ref: Application of the Institution for Extension of Approval for the Academic Year 2022-23

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, 2022 Notified on 4th February, 2022 and amended on 24th February 2022 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-473852783	Application Id	1-10967866504
Name of the Institution	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA	Name of the Society/Trust	UTTAR BANGA KRISHI VISWAVIDYALAYA
Institution Address	P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165	Society/Trust Address	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI, COOCHBEHAR, COO CH BEHAR, West Bengal, 736165
Institution Type	Government	Region	Eastern
Year of Establishment	2005		

To conduct following Courses with the Intake indicated below for the Academic Year 2022-23

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2021-22	Intake Approved for 2022-23	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
UNDER GRADUATE	ENGINEERI NG AND TECHNOLO GY	AGRICULTURAL ENGINEERING	Uttar Banga Krishi Vishwavidyalaya, Cooch Behar	30	30	NA	NA

It is mandatory to comply with all the essential requirements as given in APH 2022-23 (Appendix 6)

Application No:1-10967866504

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Note: This is a Computer generated Report. No signature is required.

Printed By : alc003855

Page 1 of 3

Letter Printed On: 7 July 2022

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC (NCL)/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.
2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time are now amalgamated as total intake and shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2022-23 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook. All such Institutions/ Universities shall have to create the necessary Faculty, Infrastructure and other facilities WITHIN 2 YEARS to fulfil the norms based on the Affidavit submitted to AICTE beginning with the Academic Year 2022-23
3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as Approval Process Handbook and provisions made in AICTE Regulation notified from time to time.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Pharmacy Institute: In compliance with the order dated 05.03.2020 passed by the Hon'ble Supreme Court of India in Transferred Petitions (CIVIL) No 87-101 of 2014, for the existing institutions offering courses in Pharmacy Programme, approval of Pharmacy Council of India (PCI) is mandatory and AICTE approval is NOT required. The requirements for running the Programme (Diploma / UG / PG) such as Land & Build-up Area, Student-faculty ratio, Intake etc. will be as per the respective regulatory body (PCI).

In case of any inconsistency in the course name and intake for EoA issued by AICTE and the approval by PCI, the approval of PCI shall prevail.

Architecture Institute: In compliance with the order dated 08.11.2019 passed by the Hon'ble Supreme Court of India in CA No.364/ 2005, for the existing Institutions offering Courses in Architecture Programme, approval by the Council of Architecture (CoA) is mandatory and AICTE approval is NOT required. The requirements for running the Programme (Diploma / UG / PG) such as Land & Build-up Area, Student-faculty ratio, Intake etc. will be as per respective regulatory body (CoA). In case of any inconsistency in the course name and intake for EoA issued by AICTE and the approval by CoA, the approval of CoA shall prevail.

Deemed to be University: Institutions Deemed to be Universities (Running Technical Education Programmes), it is mandatory to have AICTE approval from the Academic Year 2018-19 in compliance of the Hon'ble Supreme Court Order dated 03-11-2017 passed in CA No.17869- 17870 /2017.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy to:

1. **The Director Of Technical Education**, West Bengal**
2. **The Registrar**,
Uttar Banga Krishi Vishwavidyalaya, Cooch Behar**
3. **The Principal / Director,
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA
P.O. Pundibari,
Coochbehar,Cooch Behar,
West Bengal,736165**
4. **The Secretary / Chairman,
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI
COOCHBEHAR,COOCH BEHAR
West Bengal,736165**

5. **The Regional Officer,**
All India Council for Technical Education
College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal

6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

This is a computer generated Statement. No signature Required



APPROVAL PROCESS 2023-24

Extension of Approval (EoA)

F.No. Eastern/1-36203140508/2023/EOA

Date: 15-May-2023

To,

The Secretary (Technical education)
Govt. of West Bengal,
Bikash Bhawan, Room No. 602,
6th Floor Salt Lake, Kolkata-700091

Sub: Extension of Approval for the Academic Year 2023-24

Ref: Online application of the Institution submitted for Extension of Approval for the Academic Year 2023-24

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Education) Regulations, 2020 notified on 4th February 2020 and amended on 24th February 2021 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to:

Permanent Id	1-473852783	Application Id	1-36203140508
Name of the Institution	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA	Name of the Society/Trust	UTTAR BANGA KRISHI VISWAVIDYALAYA
Institution Address	P.O. PUNDIBARI, COOCHBEHAR, COOCH BEHAR, West Bengal, 736165	Society/Trust Address	FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI, COOCHBEHAR, COO CH BEHAR, West Bengal, 736165
Institution Type	Government	Region	Eastern
Year of Establishment	2005		

To conduct following Courses with the Intake indicated below for the Academic Year 2023-24

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2022-23	Intake Approved for 2023-24	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	AGRICULTURAL ENGINEERING	Uttar Banga Krishi Vishwavidyalaya, Cooch Behar	30	30	No	No

It is mandatory to comply with all the essential requirements as given in APH 2023-24 (Appendix 6)

The Institution/ University is having the following deficiencies as per the online application submitted to AICTE and the same shall be complied within One years from the date of issue of this EoA.

Deficiencies Noted based on Self Disclosure	
Particulars	Deficiency
1. Other Facilities Deficiency	
Implementation of PARAKH	Yes

*Please refer Deficiency Report for details

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC(NCL) / General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.
2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time are now amalgamated as total intake and shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2023-24 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook.
3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Committee (IC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as per the provisions made in Approval Process Handbook and AICTE Regulation notified from time to time.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.
5. As per the AICTE Notification dated 29.01.2014 and amended thereto, it shall be mandatory for each Technical Education Institution, University Department and Institution Deemed to be University imparting Technical Education to get accreditation (NBA) for at least 60% of the eligible courses in the next ONE (1) Years' time, otherwise EoA for the subsequent Academic Year (A.Y. 2024-25) shall not be issued by the Council.
6. Deemed to be University: Institutions Deemed to be Universities (Running Technical Education Programmes), it is mandatory to have AICTE approval from the Academic Year 2018-19 in compliance of the Hon'ble Supreme Court Order dated 03-11-2017 passed in CA No.17869- 17870 /2017.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy to:

1. **The Director Of Technical Education****, West Bengal
2. **The Registrar****,
Uttar Banga Krishi Vishwavidyalaya, Cooch Behar
3. **The Principal / Director**,
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA
P.O. Pundibari,

Coochbehar, Cooch Behar,
West Bengal, 736165

4. **The Secretary / Chairman,**
FACULTY OF TECHNOLOGY, UTTAR BANGA KRISHI VISWAVIDYALAYA P.O. PUNDIBARI
COOCHBEHAR, COOCH BEHAR
West Bengal, 736165

5. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>

** Individual Approval letter copy will not be communicated through Post/Email. However, a consolidated list of Approved Institutions(bulk) may be downloaded from the respective login id's.

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19. Accounted audited statement for the last three years

UTTAR BANGA KRISHI VISWAIDYALAYA
PUNDIBARI, COOCH BEHAR

INCOME & EXPENDITURE FOR THE YEAR 2019-2020

INCOME	Sch	Amount (in Rs.)		EXPENDITURE	Sch	Amount (in Rs.)	
		2018-19	2019-20			2018-19	2019-20
Grant received during this year	01	348274858.00	361617858.00	Expenses incurred during this year	03	381517672.00	401402390.00
1.01 SALARY GRANT-N.P.		14580000.00	363209732.00	State Salary Grant - Expenses		302368164.00	329097629.00
1.03 STATE OTHER GRANT-N.P.		0.00	14580000.00	2.01 SALARY - EMPLOYEES		39400135.00	45233336.00
1.07 PRIOR PERIOD RECEIPTS			119612.00	2.02 PENSION		8081958.00	10690722.00
GENERATION OF INTERNAL RESOURCES	02		33411991.00	2.04 STIPEND / SCHOLARSHIP / FELLOWSHIP		1319000.00	1104000.00
3.01 SALES PROCEEDS		2012958.00	1141124.00	2.17 BONUS TO EMPLOYEES		369171.00	335895.00
3.02 SERVICE CHARGES RECEIVED		5626.00	0.00	2.28 P.F. EMPLOYEES CONTRIBUTION		29979244.00	13940208.00
3.03 INTERST RECEIVED		8693842.00	9292734.00	2.48 RETIREMENT BENEFIT			
3.04 RENT RECEIVED		2020280.00	982900.00	State other Grant & Own Generation - Expenses	03	77679187.00	53083897.00
3.05 MECH/MECH HIRE CHARGES RECEIVED		353200.00	352950.00	2.03 HONORARIUM / WAGES		16650403.00	14765806.00
3.06 STUDENTS COLLECTIONS		15063333.00	15033632.00	2.74 UNIVERSITY MERIT SCHOLARSHIP		800785.00	847100.00
3.10 RECRUITMENT FEES RECEIVED		188025.00	149250.00	2.05 STUDENT WELFARE		606680.00	704767.00
3.11 OVER-HEAD/INSTITUTIONAL CHARGES RECEIVED		4270089.00	4983692.00	2.06 CONSUMABLE MATERIALS		2101932.00	1676502.00
3.12 ELECTRICITY CHARGES RECEIVED		582414.00	307322.00	2.07 SEED & PLANTING MATERIAL		44383.00	49365.00
3.20 MISCELLANEOUS RECEIPT		222224.00	116924.00	2.08 ELECTRICITY CHARGES		10458369.00	8849067.00
3.13 WRITENBACK OF GRANT-DEPRECIATION	04	14753205.00	9848942.00	2.09 DEPTT. MECH / VEHICLE EXP.		1557271.00	1688024.00
				2.10 HIRE CHARGES OF VEH. / MECH. EXP.		651629.00	4800.00
				2.12 MAINTENANCE OF EQUIPMENT		884879.00	466375.00
				2.13 OVER-TIME EXPENSES		0.00	0.00
				2.14 T.A. EXPENSES		1293935.00	1207245.00
				2.15 TELEPHONE & INTERNET		1552195.00	1150416.00
				2.18 REPAIR & RENOV. OF CIVIL CONST.		13335783.00	2710452.00
				2.16 RATE & TAXES		0.00	0.00
				2.18A REPAIR & RENOV. OF STAFF QUART		0.00	0.00
				2.20 AUDIT FEES		1082238.00	52252.00
				2.21 WORK-SHOP/SEMINAR/SYMPOSIUM		286888.00	26771.00
				2.26 HONORARIUM-GUEST LECTURER		249600.00	866195.00
				2.27 PRIOR PERIOD EXPENDITURE		0.00	0.00
				2.30 INSURANCE		312820.00	104349.00
				2.31 DEPRECIATION		14753205.00	9848942.00
				2.32 STATIONARY & PRINTING		617560.00	581304.00
				2.33 FAX, POSTAGE & INTERNET EXP.		36571.00	22508.00
				2.35 LEGAL EXPENSES		113355.00	207848.00
				2.36 BANK CHARGES		1501879.90	382313.00
				2.38 MEETING EXPENSES		0.00	0.00
				2.39 WATCH & WARD		4396363.00	3353421.00
				2.41 ADVERTISEMENT & PUBLICITY EXP.		572446.00	945105.00
				2.45 RECRUITMENT EXPENSES		0.00	0.00
				2.50 CONTINGENT EXPENSES (MISC.) TO PUNDIBARI		1998204.10	1561865.00
				2.51 RENT- PREMISES		0.00	0.00
				2.52 INTERST PAID		0.00	0.00
				2.60 CONTRACTUAL PAY / REMUNERATION		0.00	0.00
				2.61 LIBRARY EXPENSES		146641.00	0.00
				2.64 V.C.'S RESERVE FUND		255033.00	74134.00
				2.65 CONVOCATION EXPENDITURE		1995040.00	107117.00
				2.69 EXPERIENTIAL LEARNING		0.00	0.00
				2.70 PROCESSING & PACKING OF FARM		0.00	0.00
				2.71 INSTITUTIONAL PROJECTS-EXP.		392699.00	829280.00
Total		409783054.00	42018514.00	Total		459196859.00	454486287.00

In-Charge

Comptrollers Deptt.

Uttar Banga Krishi Viswavidyalaya

Pundibari, Cooch Behar

UTTAR BANGA KRISHI VISWAVIDYALAYA
PUNDBARI, COOCH BEHAR
INCOME & EXPENDITURE FOR THE YEAR 2019-2020

INCOME	Sch	Amount (in Rs.)		EXPENDITURE	Sch	Amount (in Rs.)	
		2018-19	2019-20			2018-19	2019-20
Brought Forward		409783054.00	420118514.00	Brought Forward		459196559.00	454486287.00
1.04 STATE DEV. GRANT- S.P.		38926762.00	6300000.00	DNS & Project etc. Expenditure	03	457500074.00	10885261.00
1.05 ICAR-DEVP. GRANT		0.00	19665949.00	4.01 PAY & ALLOWN.		2710040.00	2252518.00
1.05B LIBRARY GRANT FROM ICAR		0.00	0.00	4.02 T.A. EXPENSES		839419.00	179428.00
1.06 OTHER GRANTS, PROJECTS ETC.		148038638.00	67901553.00	4.02 T.A. OF EXTERNAL EXAMINER/MEMBER		7022612.00	6450317.00
1.07A PRIOR PERIOD RECEIPT - PROJECT		2233004.00	0.00	4.03 OPR. EXPENSES		7228504.00	6950222.00
				4.04 SCHOLARSHIP		91800.00	75070.00
				4.05 REGISTRATION FEES		2688613.00	2376689.00
				4.06 TRAINING PROG.		10378.00	226558.00
				4.07 STUDENT WELFARE		4270089.00	5289367.00
				4.08 INSTTU. CHARGE		557765.00	2713400.00
				4.09 WORKSHOP, SEMINAR		3069800.00	3459473.00
				4.10 CONTINGENCY		8281740.00	8053167.00
				4.11 HONORARIUM / WAGES		0.00	0.00
				4.12 E.P.F.		10212.00	5054.00
				4.13 TELEPHONE, INTERNET, FAX ETC.		77048.00	106361.00
				4.14 MAIN. OF EQUIPMENT		124380.00	362445.00
				4.15 ADV. & PUBLIC		552312.00	588363.00
				4.16 HIRE CHARGE OF VEH.		266000.00	95000.00
				4.17 AUDIT FEES		144048.00	273101.00
				4.18 STUDY TOUR		1197032.00	0.00
				4.19 A.ELECT. MAINT.		2956937.00	0.00
				4.19 REP. MAIN. OF CIVIL CONST.		31518.00	0.00
				4.21 EXAM. EXP.		1996715.00	4660031.00
				4.22 PRIOR PERIOD EXPENSES		6394.00	3500.00
				4.23 JOURNAL, PERSONAL, ETC.		109558.00	161036.00
				4.24 PRINTING & STATIONERY		6131.00	1472.00
				4.25 BANK CHARGES-PROJ.A/C.		640088.00	503405.00
				4.26 P.O.L.		378351.00	223027.00
				4.27 INSURANCE CHARGES		867873.00	1261327.00
				4.28 CONSUMIBLES		2505005.00	1577337.00
				4.29 CHEMICALS/PESTICIDES/INSECTICIDES		335434.00	418016.00
				4.30 FERTILIZER/P.YM		385577.00	4000.00
				4.31 REMUNERATION OF EXTERNAL EXAMINER		290000.00	0.00
				4.32 HONORARIUM OF CONTRACTUAL GUEST LECTURER		383701894.00	45548032.00
				4.33 DEPRECIATION ON FIXED ASSETS-OTHERS		0.00	637605.00
				4.34 CONSULTANCY SERVICE		461800.00	0.00
				4.34A DEATH OF ANIMAL		0.00	20000.00
				4.35 BONUS & EX-GRATIA TO CONTRACTUAL EMPLOYEES		4462279.00	0.00
				12.27 PRIOR PERIOD EXPENDITURE		9461858.00	0.00
				2.65 CONVOCATION EXPENDITURE ON WORKS			
				Received over expenditure			
Total		994474857.00	567299158.00	Total		994474857.00	7452189

17/09/20
In-Charge
Controllars Dept.
Uttar Banga Krishi Viswavidyalaya
Pundbari, Cooch Behar

**UTTAR BANGA KRISHI VISWAIDYALAYA
PUNDIBARI, COOCH BEHAR**

BALANCE SHEET AS ON 31st MARCH 2020

Unaudited

LIABILITIES	Sch	Amount (in Rs.)		ASSETS	Sch	Amount (in Rs.)	
		AS ON 31.03.2019	AS ON 31.03.2020			AS ON 31.03.2019	AS ON 31.03.2020
5.27 DEFERRED INCOME (CAPITAL FUND FOR FIXED ASSETS)	04	299281455.00	308554011.00	Fixed Assets	04	697736553.00	762406084.00
5.24 ACCUMULATED DEPRECIATION	04	398455099.00	453852073.00	6.01 PLANT & MACHINERY A/C.		6377181.00	6512526.00
5.16 LOANS FROM BANK	35	1571607.00	1405196.00	6.02 VEHICLES A/C.		10184406.00	10184406.00
UNUTILIZED FUND	05	435445938.00	376822698.00	6.03 FURNITURE & FIXTURE A/C.		35997992.00	41290580.00
5.01 GRANTS & INCORP. FUND		4868875.00	6208935.00	6.04 EQUIPMENT A/C.		199306486.00	210496015.00
5.01 GRANTS - STATE GOVT.		86291521.00	2538592.00	6.05 BUILDING A/C.		369720219.00	405827233.00
5.01 OWN GENERATION		123055459.00	122297117.00	6.07 LIBRARY BOOKS A/C.		34412636.00	34412636.00
5.01 PROJECTS ETC. GRANT		221131083.00	222931054.00	6.17 SOFTWARE PACKAGE A/C.		41737621.00	53682688.00
Suspense A/c.	32	5826818.00	7557866.00	6.21 LIVE STOCK		0.00	0.00
5.02 SALARY CONTROL A/C.	06	28945960.00	30800847.00	Current Assets			
5.02 SALARY CONTROL A/C.		28945960.00	30800847.00	Cheque-in-hand		0.00	0.00
5.03 WAGES CONTROL A/C.	07	1810812.00	38592.00	Bank Accounts	21	296721143.00	177894458.00
5.03 WAGES / HONORARIUM CONTROL A/C.		1810812.00	38592.00				
5.04 T.A. CONTROL A/C.	08	11230.00	3802.00	5.20 KYK Personal A/c.	22	287191.00	287191.00
5.04 T.A. CONTROL A/C.		11230.00	3802.00	6.10 FIXED DEPOSIT A/C.	23	11951485.00	92494079.00
5.05 SALARY DEDUCTION CONTROL A/C.	09	3826799.00	5217397.00	6.10 FIXED DEPOSIT A/C. (AWARD FUND)	24	517566.00	486759.00
5.05 EMPLOYEES BANK LOAN DEDUCTION		84677.00	125641.00	6.12 DEPOSIT WORKS ACCOUNT	24	24139936.00	31424743.00
5.05 EMPLOYEES INCOME TAX DEDUCTION		367720.00	1332720.00	6.13 SUPPLIERS ADVANCE ACCOUNT	25	1247374.00	830699.00
5.05 GROUP INSURANCE DEDUCTION		29932.00	29682.00	6.15 EMPLOYEES PERSONAL A/C	26	0.00	0.00
5.05 LIC SERVICE SAVING DEDUCTION		531290.00	472383.00	6.18 REMITTANCE ACCOUNT	26	62852920.00	64603349.00
5.05 P. TAX DEDUCTION FROM EMPLOYEES		99962.00	103059.00	6.21 ADVANCE TO EMPLOYEES A/C.	27	2022907.00	2226892.00
5.05 EMPLOYEES CO-OPTR. DEDUCTION		2483696.00	2625384.00	6.21A FESTIVAL ADVANCE A/C.	28	1196807.00	1126657.00
5.05 SPL. FUND FOR SH. SQUIP. TALUKDAR		370552.00	370552.00	6.21B ADV. A/C. DSW. (CENTRAL STUDENTS UNION)	29	709767.00	23570.00
5.05 LEAVE SALARY & PF. CONTR. OF DR. C. CHATTI		-303408.00	0.00	6.22 SECURITY DEPOSIT WITH OTHERS A/C.	30	1788999.00	1788999.00
5.05 SPL. FUND FOR SH. NABINUR ISLAM		800.00	800.00	6.25 FUND RECEIVABLE FROM AUTHORITY	31	6069983.00	77039469.00
5.06 EMPLOYEES V.M.F. DEDUCTION		162576.00	157176.00	6.26 OTHER RECEIVABLE	33	0.00	151685.00
5.07 P.F. CONTROL A/C.	10	1474125.00	2822799.00				
5.07A E.P.F. MASTER ROLL WORKER CONTROL A/C.	10	299728.00	430291.00				
5.08 SECURITY DEPOSIT OF CONTRACTOR	11	20796414.00	11067097.00	6.28 PRE-PAID		0.00	0.00
5.09 EARNEST MONEY - CONTRACTORS	12	5994272.00	5655766.00				
5.10 S.D. - STUDENTS	13	1841000.00	2697000.00				
5.10B S.D. OF EMPLOYEES	13A	30000.00	30000.00				
5.10A MESS ADVANCE OF STUDENTS	13A	5400.00	5400.00				
5.12 CONTRACTORS PERSONAL A/C.	14	1735437.00	1235313.00				
5.13 SUPPLIERS PERSONAL A/C.	15	2310675.00	356782.00				
5.14 STUDENTS PERSONAL A/C.	16	718656.00	1028010.00				
5.15 EMPLOYEES PERSONAL A/C.	17	562621.00	497910.00				
5.18 REMITTANCE A/C.	P	0.00	0.00				
5.19 CESS A/C. OF CONTRACTORS	18	230385.00	96793.00				
5.19 CONTRACTORS SALES TAX	18	51261.00	0.00				
5.19.1 TAX - CONTRACTORS A/C.	18	500083.00	137679.00				
5.19 GST	18	508349.00	161202.00				
5.20 KYK Personal A/c.	22	0.00	0.00				
5.21 OTHER PERSONAL A/C.	19	1282850.00	931670.00				
5.22 PROVISION AGAINST ADVANCE ACCOUNT	20	705181.00	705181.00				
5.23 DONATION RESERVE FOR AWARD FUND	34	477566.00	556759.00				
5.02A LEAVE SALARY & EXCESS SALARY REFUNDED		105270.00	105270.00				
Total		1214806001.00	1212774424.00	Total		1214806001.00	1212774424.00

Notes on Accounts

1. Since the value of "Fixed Assets" inherited from the parent University BOKU is not available, therefore the present Balance Sheet does not include the value of such assets as a liability against such assets.
2. Value of Assets represents only those assets which are created since 01st April 2005 in Pundibari Campus. This does not include assets of other centres of the University including KVAs.
3. This Balance Sheet is not the consolidated "State of Affairs" of the whole University and is based on transactions made at University establishment in Pundibari due to the fact that since inception, there is no system of consolidation of accounts so far. Assets with the outstation centers are controlled through Remittance Accounts at the main campus.
4. Depreciation on Fixed Assets has not been considered as per
5. "Books of Accounts" have been maintained on the "Accrual Basis".

Comptroller-in-Charge
Uttar Banga Krishi Viswavidyalaya
Pundibari, Coochbehar

In-Charge
Comptrollers Deptt.
Uttar Banga Krishi Viswavidyalaya
Pundibari, Coochbehar

Vice-Chancellor
Uttar Banga Krishi Viswavidyalaya
Pundibari, Coochbehar

Uttar Banga Krishi Viswavidyalaya

**UTTAR BANGA KRISHI VISWAVIDYALAYA
PUNDIRBARI, COOCH BEHAR**

INCOME & EXPENDITURE FOR THE YEAR 2020-2021

INCOME		Sch	2019-2020	2020-2021	EXPENDITURE		Sch	2019-2020	2020-2021
Grant received during this year		01	377909344.00	501251082.00	Expenses incurred during this year		03	401402390.00	444229330.00
1.01 SALARY GRANT-N.P	363209732.00			State Salary Grant - Expenses					
1.03 STATE OTHER GRANT-N.P	14580000.00			2.01 SALARY - EMPLOYEES					
1.07 PRIOR PERIOD RECEIPTS	119612.00			2.02 PENSION					
				2.04 STIPEND / SCHOLARSHIP / FELLOWSHIP					
GENERATION OF INTERNAL RESOURCES		02	32380228.00	30524759.00	2.28 P.F. EMPLOYEES CONTRIBUTION				
2.01 SALES PROCEEDS	1141124.00			2.48 RETIREMENT BENEFIT					
3.02 SERVICE CHARGES RECEIVED	0.00								
3.03 INTEREST RECEIVED	9292724.00								
3.04 RENT RECEIVED	982900.00			State other Grant & Own Generation - Expenses					
3.05 MECH /VECH. HIRE CHARGES RECEIVED	352850.00			2.03 HONORARIUM / WAGES					
3.06 STUDENTS COLLECTIONS	15003632.00			2.14 UNIVERSITY MERIT SCHOLARSHIP					
3.10 RECRUITMENT FEES RECEIVED	149250.00			2.05 STUDENT WELFARE					
3.11 OVERHEAD/INSTITUTIONAL CHARGES RECEIVED	4883862.00			2.06 CONSUMABLE MATERIALS					
3.12 ELECTRICITY CHARGES RECEIVED	307322.00			2.07 SEED & PLANTING MATERIAL					
3.20 MISCELLANEOUS RECEIPT	116924.00			2.08 ELECTRICITY CHARGES					
				2.09 DEPT. MECH/VEHICLE EXP					
3.13 WRITTENBACK OF GRANT-DEPRECIATION	9848342.00			2.10 HIRE CHARGES OF VEH. / MECH EXP					
				2.11 HONORARIUM					
				2.12 MAINTENANCE OF EQUIPMENT					
				2.13 OVER-TIME EXPENSES					
				2.14 T.A. EXPENSES					
				2.15 TELEPHONE & INTERNET					
				2.16 REPAIR & RENOV. OF CIVIL CONST					
				2.16 RATE & TAXES					
				2.18A REPAIR & RENOV. OF STAFF QUART					
				2.20 AUDIT FEES					
				2.21 WORK-SHOP/SEMINAR/SYMPOSIUM					
				2.26 HONORARIUM-GUEST LECTURER					
				2.27 PRIOR PERIOD EXPENDITURE					
				2.30 INSURANCE					
				2.31 DEPRECIATION					
				2.32 STATIONARY & PRINTING					
				2.33 FAX, POSTAGE & INTERNET EXP					
				2.35 LEGAL EXPENSES					
				2.36 BANK CHARGES					
				2.38 MEETING EXPENSES					
				2.39 WATCH & WARD					
				2.41 ADVERTISEMENT & PUBLICITY EXP					
				2.45 RECRUITMENT EXPENSES					
				2.50 CONTINGENT EXPENSES (MISC.) TO PUNDIRBARI					
				2.51 RENT-PREMISES					
				2.52 INTEREST PAID					
				2.60 CONTRACTUAL PAY / REMUNERATION					
				2.61 LIBRARY EXPENSES					
				2.62 MEDICAL EXPENSES					
				2.64 V.C.'S RESERVE FUND					
				2.65 CONVOCATION EXPENDITURE					
				2.69 EXPERIENTIAL LEARNING					
				2.70 PROCESSING & PACKING OF FARM					
				2.71 INSTITUTIONAL PROJECTS-EXP					
Total	42016514.00		544173194.00	Total				454486287.00	498110659.00

In-Charge
Comptrollers Deptt.
Uttar Banga Krishi Viswa Vidyalaya
Pundirbari, Cooch Behar

2
UTTAR BANGA KRISHI VISWAIDYALAYA
PUNDBARI, COOCH BEHAR

INCOME & EXPENDITURE FOR THE YEAR 2020-2021

INCOME		Sch	Amount (in Rs.)		Sch	Amount (in Rs.)	
Brought Forward	2019-2020		2020-2021	Brought Forward		2019-2020	2020-2021
1.04 STATE DEV. GRANT - S.P.	420118514.00		544173194.00	DNS & Project etc. Expenditure	03	454485287.00	498110659.00
1.05 ICAR DEVP. GRANT	8200000.00		115555755.00	4.01 PAY & ALLOWN.		105360682.00	116986000.00
1.05B LIBRARY GRANT FROM ICAR.	19665949.00			4.02 T.A. EXPENSES			
	0.00			4.02A T.A. OF EXTERNAL EXAMINER/MEMBER		10885261.00	17780517.00
1.06 OTHER GRANTS, PROJECTS ETC.	0.00			4.03 OPR. EXPENSES		2252518.00	416014.00
1.07A PRIOR PERIOD RECEIPT - PROJECT	67901553.00		114121033.00	4.04 SCHOLARSHIP		179428.00	7823294.00
	0.00		133886.00	4.05 REGISTRATION FEES		6450317.00	11204114.00
				4.06 TRAINING PROG.		6950222.00	
3.01A SALE PROCEEDS UNDER PROJECTS	7165110.00	01	4402510.00	4.07 STUDENT WELFARE		75070.00	4720.00
3.03 INTERST RECEIVED ON PROJECT A/C.	4208817.00		274423.00	4.08 INSTITL. CHARGE		2376698.00	2213803.00
	3550191.00		168827.00	4.09 WORKSHOP, SEMINAR		226558.00	0.00
3.14 WRITTEN BACK OF GRANT-DEPRECIATION-OTHERS	45548032.00		53094295.00	4.10 CONTINGENCY		5299367.00	4927027.00
				4.11 HONORARIUM /WAGES		2713400.00	3956430.00
				4.12 E P F		3465473.00	568403.00
				4.13 TELEPHONE, INTERNET, FAX, ETC.		8053167.00	6395041.00
				4.14 MAIN OF EQUIPMENT		0.00	0.00
				4.15 ADV. & PUBLIC		5054.00	0.00
				4.16 HIRE CHARGE OF VEH.		106391.00	364406.00
				4.17 AUDIT FEES		362445.00	280463.00
				4.18 STUDY TOUR		588353.00	650008.00
				4.19 A.ELECT. MAINT.		85000.00	97500.00
				4.19 REP. MAIN. OF CIVIL CONST.		271107.00	0.00
				4.21 EXAM. EXP.		0.00	0.00
				4.22 PRIOR PERIOD EXPENSES		0.00	0.00
				4.23 JOURNAL, PERSONAL, ETC.		466031.00	1027129.00
				4.24 PRINTING & STATIONERY		3900.00	0.00
				4.25 BANK CHARGES-PROJ.A/C.		161036.00	148652.00
				4.26 P.O.L.		1472.00	266.00
				4.27 INSURANCE CHARGES		503405.00	743720.00
				4.28 CONSUMABLES		223027.00	0.00
				4.29 CHEMICALS/PESTICIDES/INSECTICIDES		1251327.00	1337790.00
				4.30 FERTILIZER/FYM		157337.00	2767213.00
				4.31 REMUNERATION OF EXTERNAL EXAMINER		416016.00	688179.00
				4.32 HONORILUM OF CONTRACTUAL GUEST LECTURER		4000.00	133000.00
				4.33 DEPRECIATION ON FIXED ASSETS-OTHERS		0.00	7000.00
				4.34 CONSULTANCY SERVICE		45548032.00	53094395.00
				4.34A DEATH OF ANIMAL		637805.00	328803.00
				4.35 BONUS & EX-GRATIA TO CONTRACTUAL EMPLOYEE		0.00	0.00
				2.66 CONVOCATION EXPENDITURE ON WORKS		20000.00	16800.00
				Received over expenditure	05	0.00	0.00
Total	567299158.00		717256054.00	Total		7452189.00	102150395.00
						567299158.00	717256054.00

In-Charge
Comptrollers Deptt.
Uttar Banga Krishi ViswaIdyalaya
Pundban, Cooch B'har

Signature
10/02/21

UTTAR BANGA KRISHI VISWAIDYALAYA
PUNDBARI, COOCH BEHAR
BALANCE SHEET AS ON 31st MARCH 2021

LIABILITIES	Sch	Amount (in Rs.)		ASSETS	Sch	Amount (in Rs.)		Unaudited
		AS ON 31.03.2020	AS ON 31.03.2021			AS ON 31.03.2020	AS ON 31.03.2021	
5.27 DEFERRED INCOME / CAPITAL FUND FOR FIXED ASSETS	04	308554011.00	311590966.00	Fixed Assets	04	762406084.00	6512526.00	62311078.00
5.24 ACCUMULATED DEPRECIATION	04	433852012.00	517432012.00	6.01 PLANT & MACHINERY A/C			10184406.00	10184406.00
5.16 LOANS FROM BANK	35	1406196.00	1199313.00	6.02 VEHICLES A/C			41290580.00	43847233.00
UNUTILIZED FUND	05	376822698.00	406327763.00	6.03 FURNITURE & FIXTURE A/C			210498015.00	246944478.00
5.01 GRANTS & ICAR DEVP FUND		6208835.00	2614295.00	6.04 EQUIPMENT A/C			400927233.00	421465209.00
5.01 GRANTS - STATE GOVT		25385592.00	50515307.00	6.05 BUILDING A/C			34412636.00	36072704.00
5.01 OWN GENERATION		12229717.00	13947129.00	6.07 LIBRARY BOOKS A/C			53682688.00	61104524.00
5.01 PROJECTS ETC. GRANT		222931054.00	216966424.00	6.17 SOF TWARE PACKAGE A/C			0.00	0.00
5.01 UNIVERSITY RESEARCH AND DEVELOPMENT FUND		0.00	760441.00	6.21 LIVE STOCK				
Surplus A/c								
5.02 SALARY CONTROL A/C	32	7557886.00	7272594.00					
5.02 SALARY CONTROL A/C	06	30000847.00	4081698.00	Current Assets				
5.03 WAGES CONTROL A/C	07	38592.00	14353.00	Cheque-in-hand		0.00		0.00
5.04 T.A. CONTROL A/C	08	3802.00	0.00	Bank Accounts	21	177884458.00	20636954.00	
5.05 SALARY DEDUCTION CONTROL A/C	09	5217397.00	680298.00	6.10 FIXED DEPOSIT A/C	22	287197.00	301854.00	
5.05 EMPLOYEES BANK LOAN DEDUCTION			0.00	6.12 DEPOSIT WORKS ACCOUNT	23	92494079.00	96577951.00	
5.05 GROUP INSURANCE DEDUCTION		1332720.00	27720.00	6.13 SUPPLIERS ADVANCE ACCOUNT	24	486759.00	517641.00	
5.05 LID SERVICE SAVING DEDUCTION		29682.00	18438.00	6.15 EMPLOYEES PERSONAL A/C	25	31424743.00	44607541.00	
5.05 P. TAX DEDUCTION FROM EMPLOYEES	09	472383.00	20915.00	6.18 REMITTANCE ACCOUNT	26	830899.00	2765390.00	
5.05 EMPLOYEES CO-OPTR DEDUCTION		103069.00	23999.00	6.21 ADVANCE TO EMPLOYEES A/C	27	64603349.00	8226958.00	
5.05 SPL FUND FOR SH. SOURAV TALUKDAR	10	2625384.00	102240.00	6.21A FESTIVAL ADVANCE A/C	28	2226862.00	1731888.00	
5.06 EMPLOYEES V.M.F. DEDUCTION		370552.00	370552.00	6.21B ADV. A/C DSW CENTRAL STUDENTS UNION	29	1128657.00	213717.00	
5.07 P.F. CONTROL A/C	10	800.00	800.00	6.25 FUND RECEIVABLE FROM AUTHORITY	31	1789999.00	1789999.00	
5.07A P.F. MUSTER ROLL WORKER CONTROL A/C		2822799.00	115728.00	6.26 OTHER RECEIVABLE	33	151685.00	50043.00	
5.08 SECURITY DEPOSIT OF CONTRACTOR	11	430291.00	443138.00	5.05 EMPLOYEES BANK LOAN DEDUCTION		0.00	42228.00	
5.09 EARNEST MONEY - CONTRACTORS	12	11087097.00	5849398.00	5.25 PRE-PAID		0.00	0.00	
5.10 S.D. - STUDENTS	13	5655766.00	2852150.00					
5.10B S.D. OF EMPLOYEES	13A	29977008.00	30000.00					
5.10A MESS ADVANCE OF STUDENTS	14	5400.00	5400.00					
5.12 CONTRACTORS PERSONAL A/C	14	123513.00	1067395.00					
5.13 SUPPLIERS PERSONAL A/C	15	356782.00	1100971.00					
5.14 STUDENT'S PERSONAL A/C	16	1028010.00	256898.00					
5.15 EMPLOYEES PERSONAL A/C	17	487910.00	502971.00					
5.18 REMITTANCE A/C	P	0.00	0.00					
5.19 CESS A/C OF CONTRACTORS	18	96793.00	43450.00					
5.19 CONTRACTORS SALES TAX	18	0.00	0.00					
5.19 LTAX - CONTRACTORS A/C	18	137679.00	9087.00					
5.19 GST	18	161202.00	364140.00					
5.20 KYK Personal A/c	22	0.00	624663.00					
5.21 OTHER PERSONAL A/C	19	931670.00	635144.00					
5.22 PROVISION AGAINST ADVANCE ACCOUNT	20	705181.00	700181.00					
5.23 DONATION RESERVE FOR AWARD FUND	34	566759.00	587641.00					
5.02A LEAVE SALARY & EXCESS SALARY REFUNDED		105270.00	105270.00					
Total		1212774424.00	1212774424.00	Total		1212774424.00	127527662.00	

Notes on Accounts

1. Since, the value of "Fixed Assets" inherited from the parent University BKVY on the date of creation of new University UBKV is not available, therefore the present Balance Sheet does not include the value of such assets viz-a-viz capital funds against such assets.
2. Value of Assets represents only those assets which are created since 01st April 2006 in Pundbari Campus. This does not include assets of other centres of the University including KYKS.
3. This Balance Sheet is not the consolidated "State of Affairs" of the whole University, and is based on transactions made at University establishment in Pundbari due to the fact that since inception, there is no system of consolidation of accounts system. Funds with the outstation centres are controlled through Remittance Accounts at the main campus.
4. Depreciation on Fixed Assets has not been considered so far.
5. Books of Accounts have been maintained on the "Actual Basis".

Controller-in-Charge
Uttar Banga Krishi Viswavidyalaya
Pundbari, Coochbehar

In-Charge
Uttar Banga Krishi Viswavidyalaya
Pundbari, Coochbehar

Vice-Chancellor
Uttar Banga Krishi Viswavidyalaya
Pundbari, Coochbehar

Comptrollers Deptt.

Uttar Banga Krishi Viswavidyalaya

**UTTAR BANGA KRISHI USWADYALAYA
PUNDIBARI COOCH BEHAR**

INCOME & EXPENDITURE FOR THE YEAR 2021-2022

INCOME	Sch	Amount (in Rs.)			EXPENDITURE	Sch	Amount (in Rs.)		
		2020-2021	2021-2022				2020-2021	2021-2022	
Grant received during this year	01	601261062.00	49543929.00	Expense incurred during this year	03				
1.01 SALARY GRANT-N.P.		491239082.00	424416171.00	State Salary Grant - Expenses			444229630.00		408635778.00
1.03 STATE OTHER GRANT-N.P.		10023000.00	69127758.00	2.01 SALARY - EMPLOYEES		361164432.00		369321847.00	
1.07 PRIOR PERIOD RECEIPTS		1902009.00	346497.00	2.02 PENSION		53681725.00		82852409.00	
				2.04 STIPEND / SCHOLARSHIP / FELLOWSHIP		9520657.00		16336271.00	
				2.17 BONUS TO EMPLOYEES		11004400.00		1348500.00	
				2.28 P.F. EMPLOYEES CONTRIBUTION		613617.00		490733.00	
				2.48 RETIREMENT BENEFIT		18141699.00		30296078.00	
GENERATION OF INTERNAL RESOURCES	02	30624756	2232471.00	State other Grant & Own Generation - Expenses	03		42121920	18964922.00	40410294.01
3.01 SALES PROCEEDS		22633671.00		2.03 HONORARIUM / WAGES		17762145.00		538350.00	
3.02 SERVICE CHARGES RECEIVED		0.00	22800.00	2.04 UNIVERSITY MERIT SCHOLARSHIP		408350.00		0.00	
3.03 INTEREST RECEIVED		8361925.00	6688863.00	2.05 STUDENT WELFARE		147949.00		1103198.00	
3.04 RENT RECEIVED		1090671.00	916590.00	2.06 CONSUMABLE MATERIALS		1837566.00		80909.00	
3.05 MECH/MECH. HIRE CHARGES RECEIVED		303600.00	301200.00	2.07 SEED & PLANTING MATERIAL		81388.00		8311052.00	
3.06 STUDENTS COLLECTIONS		13894343.00	18954677.83	2.08 ELECTRICITY CHARGES		6790283.00		1259454.00	
3.10 RENT/RENTMENT FEES RECEIVED		31750.00	22000.00	2.09 DEPTT. MECH/VEHICLE EXP		1034165.00		39732.00	
3.11 R.A. HEADINSTITUTIONAL CHARGES RECEIVED		4145365.00	4560985.00	2.10 HIRE CHARGES OF VEH / MECH EXP		0.00		553433.00	
3.12 ELECTRICITY CHARGES RECEIVED		247328.00	360877.00	2.11 HONORARIUM		150275.00		0.00	
3.20 MISCELLANEOUS RECEIPT		186510.00	23985.00	2.12 MAINTENANCE OF EQUIPMENT		68747.00		181578.00	
3.21 TESTING FEES COLLECTION		0.00	40.00	2.13 OVER TIME EXPENSES		405675.00		0.00	
				2.14 T.A. EXPENSES		0.00		240394.00	
				2.15 TELEPHONE & INTERNET		1201639.00		206459.00	
				2.18 REPAIR & RENOV. OF CIVIL CONST.		4870354.00		0.00	
				2.16 RATE & TAXES		148.00		12904.00	
				2.18A REPAIR & RENOV. OF STAFF QUART		0.00		4338372.00	
				2.20 AUDIT FEES		148815.00		45000.00	
				2.21 WORK-SHOP/SEMINARS/SYMPOSIUM		27100.00		0.00	
				2.28 HONORARIUM-GUEST LECTURER		344720.00		40000.00	
				2.30 INSURANCE		78006.00		187270.00	
				2.32 STATIONARY & PRINTING		347006.00		432178.00	
				2.33 FAX, POSTAGE & INTERNET EXP		16427.00		19436.00	
				2.36 LEGAL EXPENSES		101900.00		334258.00	
				2.36 BANK CHARGES		26760.00		22147.93	
				2.38 MEETING EXPENSES		0.00		61707.00	
				2.39 WATCH & WARD		3089800.00		1330886.00	
				2.41 ADVERTISEMENT & PUBLICITY EXP.		1154281.00		276920.00	
				2.45 RECRUITMENT EXPENSES		0.00		0.00	
				2.50 CONTINGENT EXPENSES (MISC.) TO PUNDIBARI		1294226.00		1606409.08	
				2.51 RENT-PREMISES		0.00		81000.00	
				2.52 INTEREST PAID		0.00		0.00	
				2.60 CONTRACTUAL PAY / REMUNERATION		0.00		0.00	
				2.61 LIBRARY EXPENSES		7639.00		0.00	
				2.62 MEDICAL EXPENSES		240052.00		0.00	
				2.64 V.C.S RESERVE FUND		270805.00		169614.00	
				2.65 CONVOCATION EXPENDITURE		0.00		0.00	
				2.66 CONVOCATION EXPENDITURE ON WORKS		0.00		0.00	
				2.68 EXPERIENTIAL LEARNING		0.00		0.00	
				2.70 PROCESSING & PACKING OF FARM		5201.00		0.00	
				2.71 INSTITUTIONAL PROJECTS-EXP.		0.00		0.00	
				2.73 DEPRECIATION		10483344.00		9889850.00	
				2.27 PRIOR PERIOD EXPENDITURE		1273565.00		2030505.56	
Total		644173194.00	63083274.83	Total		1273565.00	486351750.00	540986427.57	

INCOME & EXPENDITURE FOR THE YEAR 2021-2022

Sch	INCOME	Amount (in Rs.)		Sch	EXPENDITURE	Amount (in Rs.)	
		2020-2021	2021-2022			2020-2021	2021-2022
	Brought Forward	54473194.00			Brought Forward	496110659.00	54096642.57
104	STATE DEV GRANT - S.P	11555755.00					
105	ICAR-DEVP GRANT	0	27092051.00	03	DNS & Project etc. Expenditure	63991405.00	81793280.98
105B	LIBRARY GRANT FROM ICAR	8453105	35018588.00	401	PAY & ALLOWN	1790517.00	1799271.00
		0	1000000.00	402	T.A. EXPENSES	416014.00	751775.00
106	OTHER GRANTS, PROJECTS ETC.	10856863		402A	T.A. OF EXTERNAL EXAMINER/MEMBER	782324.00	102853.00
107A	PRIOR PERIOD RECEIPT - PROJECT	133696	114212428.16	403	OPR EXPENSES	11204114.00	4882161.20
			35421.00	404	SCHOLARSHIP	4720.00	12771331.00
				405	REGISTRATION FEES		37146.00
				406	TRAINING PROG	2213903.00	2184451.00
301A	SALE PROCEEDS UNDER PROJECTS	4432510.00		407	STUDENT WELFARE	0.00	0.00
303	INTERST RECEIVED ON PROJECT A/C	2744243	2676446	408	INSTTU CHARGE	4927027.00	5340296.00
		1698267	2413004	409	WORKSHOP, SEMINAR	568403.00	199176.00
314	WRITTEN BACK OF GRANT - DEPRECIATION-OTHERS	53094595	62407967.3	410	CONTINGENCY	3956430.00	7391185.00
		53094595.00	62407967.30	411	HONORARIUM / WAGES	6395041.00	11575380.00
				412	E.P.F	0.00	0.00
				413	TELEPHONE, INTERNET, FAX ETC.	0.00	0.00
				414	MAN OF EQUIPMENT	394409.00	467718.00
				415	ADV & PUBLIC	20463.00	264192.00
				416	HIRE CHARGE OF VEH	650008.00	1062972.00
				417	AUDIT FEES	97500.00	50000.00
				418	STUDY TOUR	0.00	50000.00
				419	A.ELECT. MAINT.	0.00	0.00
				419B	REP. MAN. OF CIVIL CONST.	0.00	0.00
				421	EXAM. EXP.	0.00	0.00
				422	PRIOR PERIOD EXPENSES	1027129.00	675908.00
				423	JOURNAL, PERSONAL, ETC	0.00	10679.00
				424	PRINTING & STATIONERY	146652.00	100877.00
				425	BANK CHARGES-PROJ.A/C	286.00	2551.78
				426	P.O.L.	743720.00	778920.00
				427	INSURANCE CHARGES	0.00	0.00
				428	CONSUMABLES	1337790.00	8565429.00
				429	CHEMICALS/PESTICIDES/INSECTICIDES	2767213.00	4134384.00
				430	FERTILIZER/FYM	889179.00	1036145.00
				431	REMUNERATION OF EXTERNAL EXAMINER	133000.00	176520.00
				432	HONORIAM OF CONTRACTUAL GUEST LECTURER	7000.00	753018.00
				434	CONSULTANCY SERVICE	328603.00	0.00
				434A	DEATH OF ANIMAL	0.00	0.00
				435	BONUS & EXGRATIA TO CONTRACTUAL EMPLOYEES	16800.00	16800.00
				436	CONVOCAION EXPENDITURE ON WORKS	0.00	0.00
				437	GLASSWARE & PLASTOWARE PRODUCT	0.00	53206.00
				438	SEED/PLANTING MATERIALS	0.00	649296.00
				439	TESTING CHARGES	0.00	45340.00
				433	DEPRECIATION ON FIXED ASSETS-OTHERS	53094595.00	62407967.30
				Received over expenditure	53094595.00	62407967.30	62407967.30
Total		717256054.00	782938280.29	Total		717256054.00	782938280.29

28/10/22

inCharge
Comptrollers Deptt.
Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar

BALANCE SHEET AS ON 31st MARCH 2022

Liabilities	Sch	Amount (in Rs.)		Assets	Sch	Amount (in Rs.)	
		AS ON 31.03.2021	AS ON 31.03.2022			AS ON 31.03.2021	AS ON 31.03.2022
5.27 DEFERRED INCOME - CAPITAL FUND FOR FIXED ASSETS	04	31168066.00	346027882.57	Fixed Assets	04	8239131073.00	956757714.90
5.24 ACCUMULATED DEPRECIATION	04	517428212.00	589728282.33	6.01 PLANT & MACHINERY AC.		6512526.00	10796000.00
5.16 LOANS FROM BANK	35	1199313.00	91464.75	6.02 VEHICLES AC.		10184406.00	49168808.00
UNUTILIZED FUND	05	406327793.00	390834456.95	6.03 FURNITURE & FUTURE AC.		248944476.00	28781379.70
5.01 GRANTS & AID DEPT FUND		2614296	456939.00	6.04 EQUIPMENT AC.		421465208.00	476072322.20
5.01 GRANTS - STATE GOVT.		50615307	65511421.47	6.05 BUILDING AC.		38072704.00	40140273.00
5.01 OWN GENERATION		136471236	113533594.00	6.07 LIBRARY BOOKS AC.		81104524.00	88257051.00
5.01 PROJECTS ETC. GRANT		216656424	18815544.46	6.17 SOFTWARE PACKAGE AC.		0	
5.01 UNIVERSITY RESEARCH AND DEVELOPMENT FUND		780441	3325644.00	6.27 LIVE STOCK		0	
Supplies AC.	32	7272594.00	7719816.00	Current Assets		0.00	0.00
5.02 SALARY CONTROL AC.	06	4081698.00	4086317.00	Cheque-in-hand		206389854.00	158772847.42
5.02 SALARY CONTROL AC.	07	14353.00	1171882.00	Bank Accounts		301854.00	10774827.00
5.03 WAGES CONTROL AC.	08	14353	1717882.0	5.20 KVM Personal Ac.	22	98677851.00	0.00
5.04 SALARY CONTROL AC.	09	0	0.00	6.10 FIXED DEPOSIT AC.	23	44807541.00	59072856.00
5.05 SALARY DEDUCTION CONTROL AC.	09	0	734651.00	6.12 DEPOSIT WORKS ACCOUNT	24	2765390.00	9109543.00
5.05 EMPLOYEES BANK LOAN DEDUCTION		27720	35075	6.18 EMPLOYEES ADVANCE ACCOUNT	25	0.00	0.00
5.05 EMPLOYEES INCOME TAX DEDUCTION		18436	28651	6.18 EMPLOYEES PERSONAL AC.	26	82288954.00	88918528.98
5.05 GROUP INSURANCE DEDUCTION		20915	25167	6.21 ADVANCE TO EMPLOYEES AC.	27	1731688.00	587537.00
5.05 LIC SERVICE SWAMP DEDUCTION		23908	10754	6.21 FESTIVAL ADVANCE AC.	28	271717.00	2250.00
5.05 P TAX DEDUCTION FROM EMPLOYEES		102240	142487	6.21 ADV. AC DSW (CENTRAL STUDENTS UNION)	29	0.00	1788999.00
5.05 EMPLOYEES CO-OPRT DEDUCTION		370562	370562	6.21 ADV. AC DSW (CENTRAL STUDENTS UNION)	30	1788999.00	13095354.00
5.05 SPT FUND FOR SH. SQUAW TALUWARS				6.22 SECURITY DEPOSIT WITH OTHERS AC.	31	8859890.00	3462019.00
5.06 SPT FUND FOR SH. WABINUR ISLAM	09	800	800	6.25 FUND RECEIVABLE FROM AUTHORITY	31	0.00	0.00
5.06 EMPLOYEES V.M.F. DEDUCTION	10	1151726	115503	6.25 FUND RECEIVABLE FROM AUTHORITY	31	0.00	0.00
5.07 P.T. CONTROL AC.	10	257098.00	255986.00	6.25 PAYABLE TO GOVT. OF WEST BENGAL	33	50043.00	50043.00
5.07A P.T. WILSTER ROLL WORKER CONTROL AC.	10	443138.00	465929.00	5.05 EMPLOYEES BANK LOAN DEDUCTION		42228.00	0.00
5.08 SECURITY DEPOSIT OF CONTRACTOR	11	11285547.00	14388008.70	6.28 PRE-PAID		0.00	0.00
5.09 EARNST MONEY - CONTRACTORS	12	5846399.00	6467355.00				
5.10 S.D. - STUDENTS	13	2652150.00	1784908.00				
5.10 S.D. - STUDENTS	13A	30000.00	30000.00				
5.10B S.D. OF EMPLOYEES	13A	5400.00	5400.00				
5.10A MESS ADVANCE OF STUDENTS	14	1067395.00	311463.00				
5.12 CONTRACTORS PERSONAL AC.	14	1100871.00	444135.00				
5.13 SUPPLIERS PERSONAL AC.	15	2565899.00	177985.00				
5.14 STUDENTS PERSONAL AC.	16	502971.00	642262.00				
5.15 EMPLOYEES PERSONAL AC.	17	0.00	0.00				
5.18 REMITTANCE AC.	P	42450.00	147293.00				
5.18 CESS AC. OF CONTRACTORS	18	0.00	0.00				
5.18 CONTRACTORS SALES TAX	18	9087.00	196763.00				
5.18 CONTRACTORS AC.	18	364140.00	16514.00				
5.19 CST	18	624863.00	1211729.00				
5.20 KVM Personal Ac.	22	535184.00	782297.00				
5.21 OTHER PERSONAL AC.	19	700181.00	700181.00				
5.22 PROVISION AGAINST ADVANCE ACCOUNT	20	587841.00	617359.00				
5.23 DONATION RESERVE FOR AWARD FUND	34	105270.00	105270				
5.02A LEAVE SALARY & EXCESS SALARY REFUNDED		127527882.00	1371379478.30	Totals		1371379478.30	1371379478.30

Notes on Accounts

1. Since, the value of "Fixed Assets" inherited from the parent University BCKV on the date of creation of new University UBRV is not available.

2. Therefore the present Balance Sheet does not include the value of such assets which are capital funds against such assets.

3. Value of Assets represents only those assets which are created since 01. April 2008, in Pundrabahal Campus. This does not include assets of other centres of the University including RVs.

4. Therefore the present Balance Sheet does not include the value of such assets which are capital funds against such assets.

5. The Balance Sheet is not the consolidated "State of Affairs" of the whole University and

is based on Transactions made at University establishment in Pundrabahal due to the fact. Funds with the outstation centers are controlled through Remittance Accounts at the main campus

and since inception, there is no system of consolidation of accounts so far. Funds with the outstation centers are controlled through Remittance Accounts at the main campus

4. Depreciation on Fixed Assets has not been considered so far.

5. "Books of Accounts" have been maintained on the "Accrual Basis".

20. Best Practices adopted, if any NA

Note: Suppression and/or misrepresentation of information shall invite appropriate penal action.

The Website shall be dynamically updated with regard to Mandatory Disclosures

