

Department of Agricultural Economics

Faculty of Agriculture



Annual Report 2016-17

Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar,
West Bengal-736165

A. Background:

The present Department of Agricultural Economics is being continuing as a component teaching organ of erstwhile North Bengal campus of Bidhan Chandra Krishi Viswavidyalaya since 1978 and has been elevated to a full-fledged teaching department under the Faculty of Agriculture of Uttar Banga Krishi Viswavidyalaya from 2001. The Department is primarily entrusted for to impart teaching at Under Graduate and Post Graduate level maintaining academic schedule of the Viswavidyalaya along with extend required participation to research and extension activities as sought by the Viswavidyalaya time to time. The department also ensures expertise on agro-economic arena in response to invitation from various external Govt. / non Govt. Organizations in policy issues related with regional/ national importance. Apart from catering academic courses teaching members are simultaneously encouraged to formulate/participate research programs on contemporary importance. Though the operational activity needs to be focused on the university jurisdiction, the department believes in free knowledge exchange beyond this institutional boundary at the event of grooming any new idea.

B. Functions:

- To impart classroom teaching in Agricultural Economics and Agri-Business Management at UG, PG and Ph.D. level as per approved syllabus.
- To provide on field experer to the students on resource mapping, market analysis and institutional functioning.
- To undertake strategic, academic and action research on contemporary importance.
- To organise Seminar, Workshop and Training for targeted clients.

C. Teaching:

Under the active guidance of academically well groomed faculties, the department imparts extensive courses for UG, PG and Ph.D. students within approved syllabus through semester system. For UG level students, the courses aim to culminate an overall conceptual base of economic aspects of production cum business traits related to Agriculture and Allied fields while at PG & Ph.D. level the approach is more intensive and vast. Students are given adequate field exposure for better comprehension of the topics taught.

a) Field of specialization for M.Sc. and Ph.D.:

A PG student can option any of the following advance area of specialization for the fulfillment of his/her course.

- Farm Management & Production Economics
- Agril. Marketing & Price Analysis
- Agril. Finance & Project Analysis
- Agril. Development & Policy

b) Undergraduate courses:

i) Compulsory courses:

<i>Sl.No.</i>	<i>Course No.</i>	<i>Title</i>	<i>Credit Hours</i>	<i>Faculty</i>	<i>Semester</i>
1.	ECO 101	Principles of Agricultural Economics	2(2+0)	Agriculture	1 st
2.	ECO 151	Introductory Economics	2(2+0)	Horticulture	2 nd
3.	ECO 201	Agricultural Finance & Cooperation	2(1+1)	Agriculture	3 rd
4.	ECO 202	Agricultural Business Management & Trade	3(3+0)	Technology	3 rd
5.	ECO 251	Agricultural Marketing , Trade & Price	2(1+1)	Agriculture	4 th
6.	ECO 301	Fundamentals of Farm Business Management (including Project Development, Appraisal and Monitoring)	2(1+1)	Agriculture	5 th
7.	ECO 351	Production Economics & Farm Management	2(1+1)	Agriculture	6 th
8.	ECO 352	Horti-Business Management	2(2+0)	Horticulture	6 th

ii) Elective courses: Courses on experiential learning under Social Science module

<i>Sl.No.</i>	<i>Course No.</i>	<i>Title</i>	<i>Credit Hours</i>	<i>Faculty</i>	<i>Semester</i>
1.	ECO 401	Project Development , Appraisal & Monitoring	2(2+1)	Agriculture	7 th
2.	ECO 402	International Trade	3(2+1)	Agriculture	7 th
3.	ECO 403	Government Policies and Programe Related to Agriculture	2(2+0)	Agriculture	7 th
4.	ECO 404	Farm Planning , Budgeting and Production Economics	3(2+1)	Agriculture	7 th

c) Post graduate courses:

<i>Sl. No.</i>	<i>Course No.</i>	<i>Course-Title</i>	<i>Credit Hour</i>	<i>Semester</i>
Master Degree Major/Core Courses				
1.	AG ECON 501	Micro Economic theory and application	2(2+0)	1 st
2.	AG ECON 502	Macro Economics and Policy	2(2+0)	1 st
3.	AG ECON 503	Evolution of Economic thought	1(1+0)	1 st
4.	AG ECON 504	Agril. Production Economics	2(1+1)	1 st
5.	AG ECON 505	Agril. Marketing and Price analysis	3(2+1)	1 st
6.	AG ECON 506	Research Methodology for Social Science	2(1+1)	2 nd
7.	AG ECON 507	Econometrics	3(2+1)	2 nd
8.	AG ECON 508	Linear Programing	2(1+1)	3 rd
9.	AG ECON 509	Agril. Finance & Project Management	3(2+1)	3 rd
Minor/Supporting Courses				
10.	AG ECON 510	Mathematics for Agril. Economics	3(3+0)	3 rd
11.	AG ECON 511	International Economics	2(1+1)	1 st

12.	AG ECON 514	Natural Resource and Environmental Economics	2(1+1)	2 nd
13.	AG ECON 515	Intellectual Property Management	1(1+0)	2 nd
14.	AG ECON 517	Rural Marketing	2(2+0)	2 nd
15.	AG ECON 518	Commodity Futures Trading	2(2+0)	1 st
Seminar				
16.	AG ECON 591	Master's Seminar	0+1	4 th
Research				
17.	AG ECON 599	Master's Research	0+20	4 th
Doctoral Degree Major Courses				
1.	AG ECON 601	Advanced Micro Economic Analysis	2(1+1)	1 st
2.	AG ECON 602	Advanced Macro Economics Analysis	2(2+0)	1 st
3.	AG ECON 603	Advanced Econometrics	3(2+1)	1 st
4.	AG ECON 604	Advanced Production Economics	3(2+1)	1 st
5.	AG ECON 605	Quantitative Development Policy Analysis	2(1+1)	2 nd
6.	AG ECON 606	Advanced Agril. Marketing and Price analysis	3(2+1)	2 nd
Minor / Supporting Courses				
7.	AG ECON 608	Commodity Future Trading	2(2+0)	1 st & 2 nd
8.	AG ECON 609	Natural Resource Management	2(1+1)	1 st & 2 nd
9.	AG ECON 610	Environmental Economics	2(2+0)	1 st & 2 nd
Doctoral Seminar				
10.	AG ECON 691	Doctoral Seminar – I	1(0+1)	2 nd
11.	AG ECON 692	Doctoral Seminar – II	1(0+1)	5 th
Doctoral Research				
12.	AG ECON 699	Doctoral Research	0+45	–

d) Post Graduate & Ph.D. Admission Criteria:

i) For M.Sc.(Ag) Degree:

4 years B.Sc. (Ag/Hort) Hons degree with courses on Agricultural Economics. Selection is done on the basis of Entrance Test on Social Science Module with a qualifying bar.

ii) For Ph.D. Degree: Two years full time M.Sc.(Ag) in Agricultural Economics. Selection is done on the basis of Entrance Test with a qualifying bar.

D. Details of academic courses offered by the Department of Agricultural Economics:

i) Undergraduate:

Academic Session	Semester odd/even	Courses offered to		Course Number	Credit	Course Title	Associated Teacher
		Faculty	Term				
2015-16	Even	Agriculture	4 th	ECO 251	2(1+1)	Agricultural Marketing , Trade & Price	AS + GM
			6 th	ECO 351	2(1+1)	Production Economics & Farm Management	KKD + GM
		Horticulture	2 nd	ECO 151	2(2+0)	Introductory Economics	SCS + TNR
			6 th	ECO 352	2(2+0)	Horti-Business Management	KKD + TNR + GK
2016-17	Ödd	Agriculture	3 rd	ECO 201	2(1+1)	Agricultural Finance & Cooperation	TNR+GM
			5 th	ECO 301	2(1+1)	Fundamentals of Farm Business Management (including Project Development, Appraisal and Monitoring)	TNR+GK
			7 th	ECO 401	2(2+1)	Project Development , Appraisal & Monitoring	AS+KKD
			7 th	ECO 402	3(2+1)	International Trade	TNR+GM
			7 th	ECO 403	2(2+0)	Government Policies and Programe Related to Agriculture	SCS+GM
			7 th	ECO 404	3(2+1)	Farm Planning, Budgeting and Production Economics	KKD+GK
		Horticulture	1 st	ECO 101	3(2+1)	Fundamentals of Economics and Marketing	AS+KKD
		Technology	3 rd	ECO 202	3(3+0)	Agricultural Business Management & Trade	AS+GM

* SCS – Prof. S.C. Sarker; AS – Prof. A. Sarkar; KKD – Dr. K.K. Das; TNR – Dr. T.N. Roy; GM – Dr. G. Mula; GK – Mrs G. Kumari (RRS-TZ).

ii) Post Graduate & Ph.D:

Academic Session	Semester odd/even	Courses offered to			Course Number	Credit	Course Title	Associated Teacher
		Level	Major / Minor	Term				
2015-16	Even	PG	Minor	2 nd	AG ECON 514	2(1+1)	Natural Resource and Environmental Economics	AS
2016-17	Odd	PG	Major	1 st	AG ECON 501	2(2+0)	Micro Economic theory and application	AS+KKD
					AG ECON 502	2(2+0)	Macro Economics and Policy	SCS+TNR
					AG ECON 503	1(1+0)	Evolution of Economic thought	SCS+GM
					AG ECON 504	2(1+1)	Agril. Production Economics	AS+KKD
		Minor	1 st	AG ECON 518	2(2+0)	Commodity Futures Trading	TNR+GM	
		Ph.D	Major	1 st	AG ECON 601	2(1+1)	Advanced Micro Economic Analysis	AS+KKD
					AG ECON 602	2(2+0)	Advanced Macro Economics Analysis	TNR+GM

* SCS – Prof. S.C. Sarker; AS – Prof. A. Sarkar; KKD – Dr. K.K. Das; TNR – Dr. T.N. Roy; GM – Dr. G. Mula.

E. Research Activity:

The research curriculum is primarily discerns with post graduate research programs by the students enrolled for PG & Ph.D. degree courses. They work under the guidance of an Advisory Committee chaired by a designated faculty member of the department. Apart from the students' dissertation guidance, faculty members usually run research activities according to their own option with logistic support from the departmental establishment or elsewhere.

a) Area of Research:

- Crop based optimality study on agro economic regional problems using time series and cross sectional data collected from primary and secondary sources.
- Economic potentiality study of Farming system practice focusing on climate resiliency, market rationality and technological adaptation.
- Economic study of value added supply chain attributes with inter sectorial expansion.

b) On going research projects :

Sl. No.	Name of the project	Associated Person	Funding agency	Capacity
1	Sustainable and resilient farming systems intensification in the eastern Gangetic Plains (SRFSI)	K.K.Das, A.K.Chowdhury, P.M.Bhattacharya & others	ACIAR, Australia	Co- Investigator
2	Using ICT to enhance adoption of new agricultural technologies and innovations	K.K.Das, A.K.Chowdhury, P.M.Bhattacharya & others	University of Sydney and Curtin University (ACIAR), Australia	Principal Investigator
3	Study of efficacy of some insecticides	K.K.Das P.Poddar & others	DOWAgroSciences India Pvt. Ltd., Mumbai	Co- Investigator
4	Study on efficacy of some herbicides in rice	K.K.Das P.Poddar & others	DOWAgroSciences India Pvt. Ltd., Mumbai	Co- Investigator

F. Extension activities:

The department mainly provides full resource support to conduct training by other unites of the University on specialized subject jurisdiction from farmers to executive level.

G. Infrastructural and Support Facilities available:

The department is going to develop one data gallery on Agro-economic interest. The aim of the gallery is to cater the demand for secondary data in general and the basic informations on northern six districts of West Bengal that comes under the functional mandate of the University.

1. UG Classroom and Lab – 01
2. PG Classroom – 01
3. Conference/Meeting Room – 01
4. PG Seminar & lecture theatre - 01
5. Data Gallery - 01
6. Computer Lab – 01
7. Store Room – 01

H. Faculty and staffs:

a) **Head of the Department:** Prof. Ashutosh Sarkar.

(During the stipulated period Prof. S.C. Sarker discharged the headship)

b) **Faculty:**

Sl. No.	Name	Designation	Specialization	Contact address
1	Prof. Sateyendra Chandra Sarker	Professor	Agriculture Finance and Cooperation, Production Economics and Farm Management, Agril Marketing and Price Analysis, Agri-Business Management (ABM).	sarker57@rediffmail.com 9475248186 (M)
2	Prof. Ashutosh Sarkar	Professor	Agriculture Marketing, Farm Management, Resource Economics, ABM	sarkar.ashutosh@rediffmail.com 9475246928(M)
3	Dr. Kalyan Kanti Das	Associate Professor	Production Economics & Farm Management, Project Management, ABM	kkdas_ubkv@yahoo.com 9474520962 (M)
4	Dr. Tuhin Narayan Roy	Associate Professor	Agril. Finance & Coop., ABM, Rural Marketing, International Trade	tuhinnroy@rediffmail.com 9474140702 (M)
5	Dr. Gobinda Mula	Assistant Professor	Agricultural Finance and Cooperation, Marketing, Production Economics, IT, ABM, Farm Management	gobindamula@gmail.com 8116961780 (M)

c) **Non-teaching staffs:**

Sl. No.	Name	Designation	Contact address
1	Utpalendu Gupta	Technical Assistant	9609943168
2	Bipul Chandra Das	Record Keeper	9126102500
3	Ratna Das (Biswas)	Jr. Peon	8670049612
4	Hitendra Debnath	Junior Lab Attendant	hitendradebnath2004@gmail.com 9932920884

I. Student Research:

i) **Doctoral Level:**

Sl. No.	Title	Name of the Student	Chairman	Status
1	Role and Participation of women in Farm Business Economy – A Study in Manipur.	Laxmi Thingbaijam,	K. K. Das	Awarded

Sl. No.	Title	Name of the Student	Chairman	Status
2	Economic Viability of Important Agro Based Enterprises in Manipur: A Case Study in Valley Districts of Manipur.	Saikhom Zimisai Devi	S.C. Sarker	Continuing
3	Study on Inland Farm Fishery of Manipur: An Economic Analysis.	Gunoy Thokchom	A. Sarkar	Continuing
4	Economics of Yield Gaps in Crop Farming – An Analytical Study in Terai Zone of West Bengal.	Shekhar Dhandiram	T.N. Roy	Admitted
5	Vulnerability study on climate change and effects of climate change on Agriculture. (Proposed)	Somnath Poddar	J. Datta	Admitted

ii) Post Graduate Level:

Sl. No.	Title	Name of the Student	Chairman	Status
1	Economic of Flower Cultivation with Special Reference to Orchids in Hilly Areas of West Bengal (W.B).	Achyong Lepcha	T.N. Roy	Admitted
2	Economic Analysis of Seed Production of Major Crops in Terai Zone of West Bengal.	Nityananda Layek	G. Mula	Admitted

J. Paper & Books published

Sl. No.	Title	Author	Journal
Paper (Research and Extension)			
1	Study on marketing system and value addition of pineapple fruit (<i>Ananuscomosus</i>) in West Bengal	B.Das, K.K.Das & T.N.Roy	<i>Agricultural Economics Research Review</i> , Vol. 29(2), Jul-Dec, 2016.
2	Yield Gap in Agriculture – Evidence from a Northern District of West Bengal, India	K.K.Das	<i>International Journal of Bio-resource & Stress Management</i> 7(4),897-905.
3	Characterization of Research Nodes : an integrative approach through Indexing	K.K.Das, P.M.Bhattacharya & others	<i>International Journal for Bio Resource and StressManagement</i> ; 7(5):1083-1092
4	Status of Farmers' wives in work participation and decision making : a case study of Coochbehar district, West Bengal.	A.Guha, P.K.Pal & K.K.Das	<i>International Journal of Farm Sciences</i> , 6(3) : 28-35

5	<i>Study on Access to Farm Credit by the Small and Marginal Farmers in India under the Policy on Priority Sector Lending (PSL)</i>	T N Roy	Economic Affairs, Vol 62(1), pp. 39-45, March, 2017 (NAAS rating : 4.82)
6	<i>Is Agriculture Diversified for Sectoral Transformation – An Emperical Study in Coochbehar District of West Bengal</i>	T. N Roy	Journal of Crop and Weed, Vol12(3) pp:121-127 (NAAS : 5.28)
7	Assessment of Livelihood Models Aims to Sustainable Socio-Economic Empowerment of Rural Community – A study in West Bengal “,	G. Mula, S.C. Sarker, A. Sarker	International Journal of Agricultural Sciences (ISSN 0975-3710 & E-ISSN 0975-9107), vol.8, Issue 6, 2016, PP1036-1041.
8	Ecofriendly biointensive pest management modules in cowpea under sub-Himalayan West Bengal, India.	Sumit K. Satpathi, Suprakash Pal, Rupsanatan Mandal, Nanigopal Shit and Ashutosh Sarkar	The Journal of Plant Protection Sciences,8(1-2): 1-6, December 2016.
Book Chapter			
1	Can maize (<i>Zea mays</i> L) uplift farm economy? - a case study.	K.K.Das, L.Thingbaijam & S.Barman	<i>Human Development and Capacity Building in the Asia Pacific</i> edited by M.F.Rola-Rubzen and J. Burgess, Curtin, Univ, Australia; published by Routlez
2	Farming performance in women-led agriculture : A comparative look	K.K.Das & L.Thingbaijam	<i>Family farming : Challenges and Opportunities</i> Ed. Bitan Mondal et al, Published by Renu Publishers, New Delhi, India

K. Seminar, Symposium, Conference, Training and Winter/Summer/Refresher course/short course attended / organised :

Sl. No	Seminar, Symposium, Conference, Training and Winter/Summer/Refresher course/short course	Faculty associated	Date	Venue	Attended /Organized
1	Observation of National Statistics Day 2016 by Govt. of West Bengal	A. Sarkar	June, 2016	Alipurduar District	Key Speaker
2	Training and Managerial Skills for Agricultural Professionals.	T.N. Roy	July, 2016	SKRAU, Bikaner, Rajasthan.	Attended

3	Winter School on 'Role of Agri Business and Market Intelligence for Sustainable Agriculture Development'	G. Mula	Sept. 2016	SASRD, Nagaland University, Medziphema	Participant
4	Training programme on "Advance Course on Conservation Agriculture : gateway for productive and sustainable cropping systems"	K.K. Das	Nov, 2016	Borlaug Institute for South Asia, Ludhiana, India	Attended
5	State Level Seminar on Development of Spices, Medicinal & Aromatic Plants & Its Industries in North Bengal	A. Sarkar	Dec. 2016	OAZ, Malda	Speaker
6	National Conference on Advances in Floriculture with focuses on North East and Hill Region.	A. Sarkar	Jan. 2017	CIH, ICAR, Medziphema, Dimapur	Paper Presented
7	Impact of Conservation Agriculture and Sustainable Intensification (CASI) technologies in the Eastern Gangetic Plains, South Asia	K.K. Das	Feb. 2017	Australian Agricultural & Resource Economics Society (AARES), at Brisbane, QLD, Australia	Paper presented
8	National symposium on advances in agriculture through sustainable technologies and holistic approach	T.N. Roy	Feb. 2017	International Centre, Dona Paula, Goa	Attended

L. Any other Additional Responsibility:

Holding of Administrative positions of the University by the Members of the Department:

- ❖ Director of Extension Education (Actg): Prof. S.C. Sarker.
- ❖ In-Charge, Regional Research Station, Terai Zone: Prof. A. Sarkar.
- ❖ Chairman, Intellectual Property & Technology Management Committee (IP&TM): Prof. A. Sarkar.