

Department of Agricultural Economics

Faculty of Agriculture



Annual Report 2017-18

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				
2016-17	Even	Agriculture	2 nd	ECO 151	2(2+0)	Fundamentals of Agricultural Economics	AS+KKD
			4 th	ECO 251	2(1+1)	Agricultural Marketing , Trade & Price	AS+GM
		Horticulture	6 th	ECO 351	2(1+1)	Production Economics & Farm Management	KKD+GM
			6 th	ECO 352	2(2+0)	Horti-Business Management	KKD+TNR
		Technology	2 nd	AG 151	3(2+1)	Entrepreneurship development and Business Management (New)	GM
2017-18	Ödd	Agriculture	1 st	ECO 101	2(2+0)	Fundamentals of Agricultural Economics (New)	AS+KKD
			3 rd	ECO 201	2(1+1)	Agricultural Finance & Cooperation (New)	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	TNR+GM
		Horticulture	7 th	ECO 404	3(2+1)	Farm Planning, Budgeting and Production Economics	KKD+GK
		Technology	1 st	ECO 102	3(2+1)	Fundamentals of Economics and Marketing (New)	TNR+GK

* 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				
2016-17	Even	PG	Major	2 nd	AG ECON 505	3(2+1)	Agril. Marketing and Price Analysis	AS+TNR
					AG ECON 506	2(1+1)	Research Methodology for Social Science	AS+KKD
					AG ECON 507	3(2+1)	Econometrics	KKD+AS
		PhD	Major	2 nd	AG ECON 517	2(2+0)	Rural Marketing	GM
					AG ECON 604	3(2+1)	Advanced Production Economics	KKD+GM
					AG ECON 606	3(2+1)	Advanced Agril. Marketing and Price analysis	AS+TNR
AG ECON 609	2(1+1)	Natural Resource Management	AS					
2017-18	Odd	PG	Major	3 rd	AG ECON 508	2(1+1)	Linear Programming	KKD
					AG ECON 509	3(2+1)	Agricultural Finance and Project Management	SCS+TNR
		Minor	1 st	AG ECON 518	2(2+0)	Commodity Futures Trading	TNR+GM	
				3 rd	AG ECON 510	3(3+0)	Mathematics for Agril. Economics	AS
					AG ECON 514	2(1+1)	Natural Resource and Environmental Economics	AS

* 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	Understanding Farm-Household Management Decision making for Increased Productivity in the Eastern Gangetic Plains	K.K.Das, A.K.Chowdhury, P.M.Bhattacharya & others	ACIAR, Australia (through University of Western Australia)	Principal Investigator
2	Preparation of Human Development Report in Coochbehar District	K.K.Das, A.Sarkar, S.C.Sarkar & others	Govt. of West Bengal	Principal Investigator
3	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
4	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
5.	Development of innovative agri-entrepreneurship roles for young agri-professionals in West Bengal	K.K.Das & others	Australia-India Council, DFAT	Principal Investigator
6.	Enhancing Pulses Production for food and nutritional security, improved livelihoods and sustainable agriculture in West Bengal	K.K.Das, A.K.Chowdhury & Others	Department of Agriculture, Govt. of West Bengal	Co-Principal Investigator
7	Promotion of oilseed crops in Northern districts of West Bengal for livelihood security of small and marginal farmers	K.K.Das, A.K.Chowdhury & others	Dept. of Agriculture and Cooperation, Ministry of Agriculture & Farmers, Govt. of India	Co-Principal Investigator

8	Promotion of Oilseed Crops in Northern Districts of West Bengal for Livelihood Security and Marginal Farmers	G. Mula, Co-PI	National Mission for Oilseeds and Oil Palm, Dept. of Agriculture and Cooperation, Ministry of Agriculture & Farmer's Welfare, Government of India	Rs.209.10 lakh
9	To evaluate the bio efficacy and phytotoxicity of Carfentrazone ethyl 40% DF against weed flora in Wheat	G. Mula, Co-PI	M/S Krishi Rasayan Exports Pvt.	Rs.5.60 lakh

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.

b) Faculty:

Sl. No.	Name	Designation	Specialization	Contact address
1	Prof. Satyendra 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)

Sl. No.	Name	Designation	Specialization	Contact address
3	Dr. Kalyan Kanti Das	Professor	Production Economics & Farm Management, Project Management, ABM	kkdas_ubkv@yahoo.com 9474520962 (M)
4	Dr. Tuhin Narayan Roy	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	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	Economic Viability of Important Agro Based Enterprises in Manipur: A Case Study in Valley Districts of Manipur.	Saikhom Zimisai Devi	S.C. Sarker	Continuing
2	Study on Inland Farm Fishery of Manipur: An Economic Analysis.	Gunoy Thokchom	A. Sarkar	Submitted
3	Economics of Yield Gaps in Crop Farming – An Analytical Study in Terai Zone of West Bengal.	Shekhar Dhandiram	T.N. Roy	Continuing
4	Vulnerability study on climate change and effects of climate change on Agriculture. (Proposed)	Somnath Poddar	J. Datta	Continuing

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).	Achyuong Lepcha	T.N. Roy	Continuing
2	Economic Analysis of Seed Production of Major Crops in Terai Zone of West Bengal.	Nityananda Layek	G. Mula	Continuing

J. Paper & Books published

Sl. No.	Title	Author	Journal
Paper (Research and Extension)			
1	Problems and prospects of coconut in Assam – a review.	Pal, R.K & Das, K.K.	<i>Indian Coconut Journal (Vol. LIX (12) : 5-9.</i>
Book Chapter			
1	Mentoring in Profession- A Tool for Individual and Organizational Skill Development in Training and managerial skill for agriculture (2017)	T N Roy	Published by Yash Publishing House, Jaipur-302016, edited by Prof. Chitra Henry et al , SKRAU, Bikaner, Rajasthan.

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	Impact of Conservation Agriculture and Sustainable Intensification (CASI) technologies in the Eastern Gangetic Plains, South Asia	Fay Rola Rubzen, ...K.K.Das & others	Feb. 2017	Australian Agricultural & Resource Economics(AA RES), Brisbane.	Presented by the 1 st Author
2	Observation of National Statistics Day 2017 by Govt. of West Bengal	A. Sarkar	June, 2017	Alipurduar District	Key Speaker
3	Is ZT-multi crop planter services profitable for service providers? A case study from Coochbehar, West Bengal, India	Mahajan, S....K.K.Das & others	Feb, 2018	Australian Agricultural & Resource Economics(AA RES), Brisbane.	Presented by the 1 st Author

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.