

Application Format for Science Popularisation Programme

(Please upload the filled in Application Form along with necessary documents)

1. Programme Type: **6) Faculty Development Programme (FDP)**

2. Title of the proposed Programme and Thrust Area:

Faculty Development Programme (FDP)
on
"Application of Remote Sensing and GIS in Land Resource Management"

Thrust Area: Natural Resources

3. Target Group: **Faculty Teachers, Research Scholar & Students**

4. Duration and Tentative Dates of the proposed Programme:

16th to 29th November, 2021 (Two Weeks)

5. Aims, Objectives and details of the Programme (attach separate sheet, if necessary):
Separate sheet attached.

6. Name, Designation and Bio-data including Postal Address, mobile no. and e-mail id of the **Programme Co-ordinator** (PC) (attach separate sheet, if necessary): **Separate sheet attached.**

Dr. Tapan Kumar Das
Assistant Professor & Co-ordinator, P.G. Department of Geography
& Nodal Officer, UGC-NSQF Skill Courses in Geoinformatics
Cooch Behar College
2No. Kalighat Road, P.O-Cooch Behar, Dist-Cooch Behar, PIN-736101
Email: dr.tapankumardas2000@gmail.com
Mobile No: 9475753844 / 7980002139

7. Legal status of the Institute (School/College/University/Institute/Autonomous body/ registered NGO/ Trust etc.): **(Govt. Aided)**

COOCH BEHAR COLLEGE,
COOCH BEHAR, WEST BENGAL, PIN-726101
2No. Kalighat Road, P.O-Cooch Behar, Dist-Cooch Behar, PIN-736101

Name of the Principal: Dr. Pankaj Kumar Debnath
Email: principal@coochbeharcollege.org.in
Phone and Fax: 03582-256798
Mobile No: 9832436849

8. Date wise detail Programme Schedule (attach separate sheet, if necessary): **Separate sheet attached.**

9. Collaborating Institutions/ Organizations, if any, with their specific contribution: **Nil**

10. Expected number of participants and list of Resource Persons/ invited Speakers:
Expected No Participants=30 and No of Guests & Resource Persons=15 (Details in Separate Sheet)

11. Give details if any grant was received earlier from DSTBT during last three year:

Residential Science Education Camp-2019 organized on & from 18th to 20th December, 2019 vide memo no.- 457/WBSCST/F/0428/12 (Part-III) dated 20-11-2019. The Utilization Certificate submitted on 24-01-2020 (Receipt attached)

12. Name and address of the authority to whom the allotted amount is to be credited (if sanctioned) who will also be responsible for submitting the UC, audited SoE, Programme Completion Report, Feedback, Still and Video photographs etc. of the grant:

Dr. Tapan Kumar Das (Programme Co-ordinator)
Assistant Professor & Co-ordinator, P.G. Department of Geography
& Nodal Officer, UGC-NSQF Skill Courses in Geoinformatics
Cooch Behar College
2 No. Kalighat Road, P.O.-Cooch Behar, Dist-Cooch Behar, PIN-736101
Email: dr.tapankumardas2000@gmail.com
Mobile No: 9475753844 / 7980002139

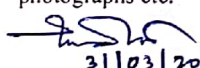
13. Total Programme Expenditure (A)/ Organisation's contribution (B)/ Grant expected from DSTBT (C): C: Rs. 2,00,000/- = (A: Rs. 2,30,000/- - B: Rs. 30,000/-) (provided detail Budget break-up as per Annexure-I and Bank details as per Annexure-II)

Check List of attachments to be submitted with the application

- ☐ Proposed Total Budget with break-up (Annexure-I) and Bank Details (Annexure-II) in organization's letter head: YES
- ☐ For registered NGO/Trust, filled in Application Form recommended by the appropriate Recommending Authority, viz., Jt. BDO/BDO/SDO/DM/Executive Officer- Municipality/Commissioner- Municipal Corporation as the case may be: **Not Applicable**
- ☐ For registered NGO/Trust, attested copies of the registration certificate, latest renewal certificate, Memorandum and Rules & Regulations of the Organization, last three years Audited Statement of Accounts, Annual Reports etc.: **Not Applicable**
- ☐

DECLARATION

Certified that the details furnished in the filled in format are correct to the best of our knowledge & belief and that the amount of financial assistance, if sanctioned, will be utilized for the purpose for which it is granted within the time as prescribed by DSTBT. We also undertake to abide by the General Guidelines and Terms & Condition prescribed by DSTBT and provided coverage to DSTBT during the Programme and publications / print and electronic media made from the Programme in future. We also declare that within one month after completion of the Programme we shall submit the Utilisation Certificate (UC), Audited Statement of Expenditure (Audited-SoE), Programme Completion Report, Feedbacks from the Participants and feedback from the Recommending Authority (only for registered NGO/ Trust), still and video photographs etc.

Signature: 

Date: 31/03/2021

Name of Program Coordinator:

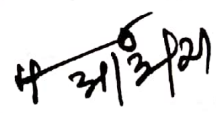
Dr. Tapan Kumar Das

Designation: Assistant Professor & Co-ordinator,

Address: P.G. Department of Geography

Cooch Behar College

2 no. Kalighat Road, P.O.-Cooch Behar, PIN-736101. 2 no. Kalighat Road, P.O.-Cooch Behar, PIN-736101

Signature: 

Date: 31/03/2021

Name of Head of the Institution:

Dr. Pankaj Kumar Debnath

Designation: Principal

Cooch Behar College

(Office Seal)

2

Cooch Behar College
Cooch Behar

Principal

Cooch Behar College
Cooch Behar

Dr. Tapan Kumar Das
Assistant Professor of Geography
Cooch Behar College

Annexure-I

Total Programme Expenditure (A)/ Organisation's contribution (B)/ Grant expected from DSTBT (C): C: Rs. 2,30,000/- = (A: Rs. 2,30,000/- - B: Rs. 30,000/-)(providedetailBudgetbreak-upasperAnnexure-landBankdetailsasperAnnexure-II):

Sl. No.	Items required with justification and rate	Total Expenditure (A) ₹	Institution/ Organization Contribution (B) ₹	Grant expected from DSTBT (C=A-B) ₹
1.	Honorarium to Resource Persons/ Experts	23,000/-	5,000/-	18,000/-
2.	Training/ Study materials, Consumables expenses	20,000/-	—	20,000/-
3.	Hall rent, if any (Lodging for Resource Persons : 2000/-X 14 days)	28,000/-	10,000/-	18,000/-
4.	Publicity materials	15,000/-	—	15,000/-
5.	Travel expenses	30,000/-	—	30,000/-
6.	T.A. to the external Resource Persons/ Experts	20,000/-	5,000/-	15,000/-
7.	Documentation expenses including audio-visual	15,000/-	—	15,000/-
8.	Light refreshments	60,000/-	10,000/-	50,000/-
9.	Auditors' fee	4000/-	—	4000/-
10.	Other expenses, if any (please specify)	15,000/-	—	15,000/-
Grand Total Expenditure(₹):		2,30,000/-	30,000/-	2,00,000/-

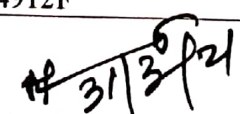
14. Bank details of the Applicant Organisation

Annexure-II

Name of the Institution	Cooch Behar College
Account number & name of the Account holder	50266786735 Grant, Donation & Miscellaneous Receipts A/c
Type of Account (Savings or Current A/c)	Savings
Name of the Bank	Allahabad Bank
Name of the Branch with Branch address	Biswa Singha Road, Cooch Behar
IFSC code of the Branch	ALLA0211721
Mobile Number / Phone No	9832436849 / 03582-256798
PAN of the Account Holder	AAAJC0952H
TAN of the Account Holder	CALC04912F


31/03/21

Dr. Tapan Kumar Das
Assistant Professor of Geography
Cooch Behar College


Signature of Authorised Personnel with seal

3

Principal
Cooch Behar College
Cooch Behar

Two Weeks Faculty Development Programme (FDP)
on
"Application of Remote Sensing and GIS in Land Resource Management"
Date: 16th to 29th November, 2021
Organized by
P.G. Department of Geography
&
Department of Geoinformatics
Cooch Behar College

Introduction:

Land, Water and vegetation are the main components of Land Resources. Management and utilization of these land resources have considered the greatest importance in the context of increasing degradation. Land is being either overexploited or misused environmental causing land degradation or reduction in its productivity. So, Land Resources Management has played a prominent role in the developmental efforts in our country in the last several decades, helping to increase incomes, augment usable water resources, improve productivity and mitigate droughts. Land Resource Management is a course of action involving proper use of the natural ecosystem to achieve specific objectives like control of soil erosion or land degradation, reclamation degraded lands, land use revisions consistent with land capability, management of croplands, grasslands, and management of water resources.

Remote Sensing with its ability of synoptic viewing together with GPS, GIS, in -situ / field observation can be used as an important tool for inventorying, periodic updating, monitoring, assessment, planning and development of these land resources spread in different agro-climatic regions of India. Variety of Satellite data sets are available for regional to microlevel planning and providing substantial support & solutions in most affected areas. Improved land utilization play a key role in national development.

Aims and Objectives of the Programme:

- The Faculty Development Programme (FDP) will indoctrinate the scope of remote sensing and GIS for land resource management and inculcate the knowledge to the participants for becoming themselves empowered with general ideas of this newly emerged technology.
- The FDP will familiarize the participants with tools and techniques related with land resource management emphasizing on agriculture, soils/land degradation, water (surface & ground water) resources, land use planning, watershed development and rural development with case studies necessary demonstrations and hands-on practical specially with open source softwares.
- The FDP is intended to impart skills towards effective utilization of remote sensing technology and application in their field of own study for development of research activity and academic improvement.

Details of the Programme:

Days	Date	Lecture 10:00am- 11:30am	Practical 11:30am- 1:00pm	Lunch 1:00pm- 2:00pm	Practical 2:00pm- 3:30pm	Practical 3:30pm- 5:00pm
Day-1	Tuesday	16-11-2021	Inauguration & Basics of Remote Sensing			
Day-2	Wednesday	17-11-2021	Basics of GIS			
Day-3	Thursday	18-11-2021	Land use and Land Cover (Supervised Classification)			
Day-4	Friday	19-11-2021	Land use and Land Cover (Un-supervised Classification)			
Day-5	Saturday	20-11-2021	Digital Crop Inventory and Production Forecasting			
Day-6	Sunday	21-11-2021	Holiday			
Day-7	Monday	22-11-2021	Soil Resource Mapping			
Day-8	Tuesday	23-11-2021	Land Evaluation and Land use Planning			
Day-9	Wednesday	24-11-2021	Draught Assessment and Monitoring using RS and GIS			
Day-10	Thursday	25-11-2021	Land Degradation Mapping and Analysis			
Day-11	Friday	26-11-2021	Digital Terrain Analysis			
Day-12	Saturday	27-11-2021	Watershed Mapping & Management			
Day-13	Sunday	28-11-2021	Holiday			
Day-14	Monday	29-11-2021	Soil Erosion Modelling & Valedictory Session			

List of the Guest and Resource Persons:

Sl. No.	NAME OF THE GUEST AND DIGNITARIES	AFFILIATION
1.	Prof. Deb Kumar Mukhopadhyay	Vice-Chancellor, Cooch Behar Panchanan Barma University
2.	Dr. Abdul Kader Safily	Registrar, Cooch Behar Panchanan Barma University
3.	Prof. Prabir Haldar	Dean, Science Faculty, CBPBU
4.	Dr. P. B. Hazra	Principal Scientist, DST, West Bengal
5.	Dr. A. R. Ghosh	Senior Scientist, DST, West Bengal

Sl. No.	NAME OF THE RESOURCE PERSONS	AFFILIATION
1.	Dr. Suresh Kumar	Scientist-SG, Group Head, Agriculture and Soil Department, IIRS.
2.	Dr. Justin George K.	Scientist-SD, Group Head, Agriculture and Soil Department, IIRS.
3.	Dr. Mukunda Mishra	Vice-Principal, Dr. Meghnath Saha College, Uttar Dinajpur, W.B.
4.	Mrs. Aditi Acharjya	Senior Scientist, DST, West Bengal.
5.	Mr. Prasenjit Haldar	Additional Director, Sky Map Global (India) Pvt. Ltd.
6.	Mr. Prasenjit Pal	Senior Geospatial Analyst, Sky Map Global India Private Limited.
7.	Mr. Soumya Bhattacharyya	Senior Photogrammetry Analyst, Sky Map Global India Private Limited.
8.	Dr. Tapan Kumar Das	Nodal Officer, Department of Geoinformatics, Cooch Behar College.
9.	Mr. Dipankar Saha	Faculty, Department of Geoinformatics, Cooch Behar College.
10.	Mr. Abhijit Sen	Faculty, Department of Geoinformatics, Cooch Behar College.

COOCH BEHAR COLLEGE

ESTD. - 1970

2 No. KALIGHAT ROAD
COOCH BEHAR - 736101

Phone : (03582) 256798
Fax : (03582) 256798



Website : www.coochbeharcollege.org.in
E-mail : principal@coochbeharcollege.org.in

NAAC ACCREDITED (AT B++ GRADE, SCALE - 2.78) COLLEGE

Ref. No. 2051(A)/71

Date : 18-01-2020

To
The Member Secretary,
West Bengal State Council of Science & Technology
Vigyan Chetana Bhavan, 4th Floor, DD 26/B,
Salt Lake, Sector-I, Kolkata-700064

Sub: Submission of utilization certificate of Rs. 1,50,000/- granted for organizing "District Level Residential Science Education Camp - 2019" held on 18th -20th December, 2019 vide memo no-457/WBSCST/F/0428/12(Pt.-III) dt. 20.11.2019.

Sir/Madam,

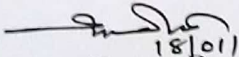
This is our great privilege to inform you that our college has successfully organized the "District Level Residential Science Education Camp" in her Golden Jubilee Year of establishment with financial assistance of West Bengal State Council of Science & Technology.

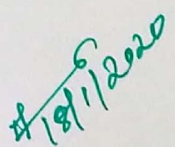
We are herewith submitting the utilization certificate and audited report of expenditure along with the report of the programme.

Kindly acknowledge the settlement and oblige

Thanking you in anticipation.

Yours faithfully,


18/01/2020
Dr. Tapan Kumar Das
Programme Co-ordinator &
Assistant Professor in Geography


18/01/2020
Dr. Pankaj Kumar Debnath
Principal
Cooch Behar College
Principal
COOCH BEHAR COLLEGE
COOCH BEHAR

Dr. Tapan Kumar Das
Assistant Professor of Geography

- Enclosures
1. Utilization Certificate
 2. Audit Report of Expenditure
 3. Report of the programme (Hard & Soft Copy)

4. C.D

RECEIVED
CONTENTS NOT
W.B. State Council of Science
Vigyan Chetana Bhavan, 4th Floor
Salt Lake, Kolkata-700 064
20/01/2020

BIO-DATA



Name : **DR. TAPAN KUMAR DAS.**
Date of birth : 18.02.1975
Sex : Male
Mother's name : Mrs. Smritirani Das
Father's name : Late Kalipada Das
Address for communication : 58/F Jessore Road (Dakshin), Dakshinayan, P.O-Hridaypur
P.S-Barasat, Dist-North 24 Parganas, PIN-700127.
Phone no- 033-25840972 ® 09475753844(M) / 08296666692(M)
E mail ID- **dr.tapankumardas2000@gmail.com**
Permanent Address : 58/F Jessore Road (Dakshin), Dakshinayan, P.O-Hridaypur
P.S-Barasat, Dist-North 24 Parganas, PIN-700127.
Phone no- 033-25840972 ® 09475753844(M) / 08296666692(M)
Nationality : Indian.
Caste : General.
Educational Qualification : M.Sc. in Geography, B.Ed., Ph.D. (Sc) in Geography, M.A. in Education and M. Ed

Name of the Exam.	Year of passing.	Board/ University	Total Marks	Marks Obtained	% Of Marks	Division/ Class
M.P.	1990	W.B.B.S.E	900	579	64.33	1st
H.S.	1992	W.B.C.H.S.E	1000	635	63.50	1st
B.Sc(Hons)	1995	C.U	800	469	58.63	2nd
M.Sc(Geo)*	1997	C.U	1000	639	63.90	1st
B.Ed.	2001	C.U	1000	668	66.80	1st
M.A.	2011	N.S.O.U	800	486	60.75	1st
Ph.D.	2012	V.U				
M. Ed	2016	I.G.N.O.U				1st

*Special Paper: Advanced Geomorphology.

Eligibility for Lectureship : NET Qualified (Exam held on 26.12.2004)

Research Experience:

Undergone research work in Dept. of Geography & Environment Management, Vidyasagar University for Ph.D. in Geography since 20.09.2006 (4years 9months) under supervision of Dr. Ramkrishna Maiti, Associate Professor. The Thesis was submitted on 16.06.2011 and Ph. D. awarded provisionally on 27th June, 2012 and finally at convocation on **20th November, 2012.**

Teaching Experience:

Name of the Post	Name of the Institution	Duration		Scale of pay
		From	To	
Assistant Teacher	Hatgachha K.C. Institution	04.11.1997	28.10.2003	Rs 6000-12000
Assistant Headmaster	Hatgachha K.C.A.HighSchool	29.10.2003	10.02.2004	Rs 6000-12000 and 2 Additional Increments
Assistant Teacher	Champaberia High School	11.02.2004	16.08.2007	Rs 6000-12000
Headmaster	Sreema Vidyamandir High School	17.08.2007	07.07.2015	Rs 9000-40500 Grade Pay-Rs.5400/-
Counsellor of Geography	Netaji Subhas Open University	17.08.2008	Till now	As per Rules
University Guest Teacher	Cooch Behar Panchanan Barma University	01.09.2015	Till now	As per Rules
Assistant Professor of Geography	Cooch Behar College	08.07.2015	In Service	Rs 15600-39100 Academic Grade Pay Rs.6000/-

BIO-DATA

List of Paper Publication

1. 2008:- Land-claim and Embankment Breaching-A Case Study along the Raimangal, Sundarban. Monograph-I, Changing Scenario of Deltaic Environment, Department of Geography, Calcutta University. pp-84-88 Regd No-26178
2. 2010:- Land reclamation, Drainage Decay and Embankment Breaching-A Case Study along the Raimangal. Indian Journal of Geography and Environment. Vol-11, Nos.1&2 pp19-29 ISSN: 0972-7388
3. 2010:- Stress on Embankment as Negative Feedback in the system of reclaimed Sundarban-A Case Study along the Raimangal. Indian Science Cruiser, vol-24(1). pp24-27 ISSN:0970-425609
4. 2010:- Cognition of the Inter-working of Processes Leading to Embankment Breaching Along the Raimangal, Sundarban. Indian Journal of power and River Valley Development.Vol-60,No-1&2, pp25-34,ISSN:0019-5537
5. 2012:- Managing Embankment Breaching in North East Sundarbans. Proceeding of Seminar 'Community Awareness in Sundaban- Combat Physical & Social Hazard' Acb Publication.pp8-17,ISBN-81-87500-59-X
6. 2014:- Embankment Breaching and Related Hazards-A study through system approach at Indian Sundabans. Pub in Application of Modern Techniques for the management of Contamporary Environmental Hazards and Disasters. pp 2-15, ISBN : 978-81-929776-0-7
7. 2014:- Aila o tar Ananyata. Bhugol O Poribesh. Vol-Aug,2014 ISSN 2321-4694
8. 2016:- "Algal Dynamics of Brakish Water Environment in Sundarban" published in "Environmental Degradation and Disaster -A Vision Plan for Sustainable Development" edited by Das and Mondal and Published by Avenel Press ISBN: 978-93-80736-25-9. Pp 72-86
9. 2017:- "Human Induced Drainage Decay of Boalia Gang River in Indian Sundarban" Challenges in 21st Century Geography A perspective from India, RK Books, New Delhi. ISBN: 978-93-82847-23-6
10. 2018:- "Aila and it's unique features" International Journal of Advanced Research and Development.Volume-3 (Mar-Apr), Issue 2 Mar, 2018 pp 241-246 ISSN: 2455-4030
11. 2018:- "Geospatial comparison of three models to predict soil properties in semi-humid region of West Bengal, India" Indian Science Cruiser, vol-32(5). pp37-47 ISSN:0970-4256
12. 2019: "Empowerment of Female Domestic Workers and Its Relation with Their Socio-Economic Condition in Cooch Behar Municipality, West Bengal" published in the Edited Book "Reflections on Gender: Mapping the Territory" published by Delton Publishing House (P) Ltd. pp 225-236 ISBN: ISBN-10: 9387631222 ISBN-13: 978-9387631229
13. 2019: "An Appraisal on Relationship between Personality and the Medium of Instruction of Secondary Level Students in Cooch Behar, West Bengal", Ajanta Vol-VIII (I) Jan-Mar, 2019, ISSN: 2277-5730
14. 2020: Assessment of Potential Land Degradation in Akarsa Watershed, West Bengal, Using GIS and Multi-influencing Factor Technique. In Gully Erosion Studies from India and Surrounding Regions (pp. 187-205). Springer, Cham.
15. 2020: An Assessment of Environmental Impact on River Bed Sand and Gravel Mining in Eastern Dooars, West Bengal: A Case Study on Raidak-II River, International Journal of Science and Research (IJSR) www.ijsr.net, ISSN: 2319-7064, Volume 9 Issue 12, December 2020, pp 531 - 538 | Downloads: 38
16. 2021: Exploring Vulnerability of Groundwater using AHP and GIS Techniques: A Study in Cooch Behar District, West Bengal, India" published in the book "Groundwater and Society: Applications of Geospatial Technology" Springer Publication DOI: 10.1007/978-3-030-64136-8_21

BIO-DATA

Book Publication

- 1) **“Environmental Degradation and Disaster -A Vision Plan for Sustainable Development” An edited volume published by Avenel Press, ISBN: 978-93-80736-25-9**
- 2) **“Bhugol Chetona”** (Geography textbooks for class VI) approved by West Bengal Board of Secondary Education. (Book No- Geo/VI/2003/161 T.B No-Syll/TB/Geo/VI/04/105)
- 3) **“Bhugol Chetona”** (Geography textbooks for class VII) approved by West Bengal Board of Secondary Education. (Book No- Geo/VII/2003/138 T.B No-Syll/TB/Geo/VII/04/100)
- 4) **“Bhugol Chetona”** (Geography textbooks for class VIII) approved by West Bengal Board of Secondary Education (Book No- Geo/VIII/2003/106 T.B No-Syll/TB/Geo/VIII/04/79)

Certificates of Co-curricular Activities

1. **Sea Awareness Programme** at West Bengal and Orissa Coast 10th-17th May, 1996 organized by National Adventure Foundation
2. **Rock Climbing Programme** at Dumuria, Bihar 6th-10th February, 1997 organized by National Adventure Foundation.
3. **Certificate course in Information Technology and Application** under **Directotote of Youth Services, Government of West Bengal** at Barasat Computer Training Centre. July, 2000 to December, 2000.
4. **Submit the highest peak of West Bengal“Sandakfu Peak (3636m)” on 4th March, 2018 by a high altitude trekking organised by Cooch Behar Mountainers Club.**

Faculty Development Programme (Orientation/ Refresher Course, Short / Long Term Course, Workshop and Trainings participated

- 1) **Orientation Programme on Geography** organized by West Bengal Board of Secondary Education from 22nd – 26th February, 2003.
- 2) **Workshop on “Awareness Building in RTE Act 2009 with special Emphasis on Equity Issues** from 9th – 11th January, 2012.
- 3) **Course on Digital Mapping and Geographical Information System** at NATMO Kolkata. 3rd-28th June 2013
- 4) **Workshop on “Methodology of Fluvial Research and Software Handling”** at Department of Geography, University of Gour Banga. 6th October to 8th October, 2015
- 5) **UGC sponsored Short Term Course in Remote Sensing and GIS** at UGC-HRDC, The University of Burdwan. 29th December, 2015 to 4th January, 2016.
- 6) **D.S.T, Govt. of W.B sponsored Short Term Course in Remote Sensing and Geographical Information System** at Department of Science and Technology, Government of west Bengal. 9th May to 20th May 2016.
- 7) **3 Day Workshop on “LaTeX”** at Cooch Behar College, Cooch Behar, West Bengal. 29th to 31st August, 2016
- 8) **One Week Course on Advanced Geo-informatics”organised by Department of Science and Technology, Government of west Bengal. 11th September to 15th September 2017.**
- 9) **NNMRS-ISRO Sponsored Certificate Course** at IIRS, Dehradun on “Application of Remote Sensing & GIS in Agriculture & Soils”, 13th May to 5th July, 2019.
- 10) **Short Term Course on “Remote Sensing and GIS Application in Forestry and Ecology”** at North East Space Application Centre, Shilong, 21st -25th, October, 2019
- 11) **IIRS Academic Meet-2020, a Capacity Building Programme** organized by Indian Institute of Remote Sensing (IIRS), Dehradun, 3rd March, 2020.

BIO-DATA

NATIONAL AND INTERNATIONAL SEMINAR, CONFERENCE SYMPOSIA ATTENDED

Sl. No	Name of the Seminar, Conference Symposia, Workshop etc.	Venue	Paper Presented	Date	Presentation and Publication
1.	International Seminar on Poverty and Development in South Asia	University of Calcutta. Department of Geography. Kolkata.	Irrational Encroachment into the Interior Tidal Creeks leading to Water logging and Embankment Breaching-A case study of Boalia Gang in N.E. Sundarban, W.B.	11 th -13 th Jan,2007	Poster presented and abstract printed in the Abstract Volume
2.	Seminar on “Creativity in Education”	Government College of Education(C.T.E), Banipur,W.B.	Participated	28 th April,2009	Participated
3.	XXII Annual conference of Indian Institute of Geomorphologists & National Seminar on “Man and Environment Relations-A vision Plan for Green Earth”	University of Allahabad. Department of Geography. Allahabad	Embankment Breaching through Homoeostatic Adjustment-A case Study along the Raimangal, Sundarban, West Bengal	29 th -31 st Oct,2009	Paper presented and abstract printed in the Abstract Volume
4.	UGC Sponsored National Seminar on “Regional Environmental Problems and Societal Development”	Vidyasagar University. Department of Geography. Midnapore, W.B.	Aila and its effects on North East Sundarban	24 th -25 th Feb,2010	Paper presented and abstract printed in the Abstract Volume
5.	Centrally sponsored Orientation Programme on “Management and Motivation”	Government College of Education(C.T.E), Banipur,W.B.	Participated	11 th -12 th March,2010	Participated
6.	National Seminar on “Sustainable Development and Disaster Management”	Rabindrabharati University. Department of Geography. Kolkata	The SCS Aila and its impact on West Bengal	27 th -28 th March, 2010	Paper presented and abstract printed in the Abstract Volume
7.	XXIII Annual conference of Indian Institute of Geomorphologists & National Seminar on “Global Environmental Change: Geomorphological Issues and Challenges ”	Gauhati University. Department of Geography. Guwahati	Mechanism of Embankment Breaching at Sundarban -A case Study on ‘Aila’	20 th -22 nd Nov,2010	Paper presented and abstract printed in the Abstract Volume
8.	National Seminar on “Natural Resource Management” underUGC-(SAP-1) Programme	University of Calcutta. Department of Geography. Kolkata.	Mechanism of Embankment Breaching at Sundarban –A step towards Better Management.	10 th -11 th March,2011	Paper presented and abstract printed in the Abstract Volume
9	U.G.C Sponsored National Level Workshop on “B.Ed. Syllabus Modification”	Government College of Education(C.T.E), Banipur,W.B.	Participated	18 th -19 th November, 2011	Participated
10	International Conference on Dimension of Development and Resource Conservation	Department of Geography. University of Calcutta.	Embankment Breaching in North East Sundarban and Management Options	10 th -12 th march,2012	Paper presented and abstract printed in Volume
Sl. No	Name of the Seminar, Conference Symposia, Workshop etc.	Venue	Paper Presented	Date	Presentation and Publication
11	Centrally Sponsored State Level Seminar on Teaching Methodology-Yesterday, Today & Tomorrow	Government College of Education(C.T.E), Banipur,W.B.	Participated	9 th May, 2012	Participated
12	XXVIII Annual conference of Indian Institute of Geomorphologists & National Seminar on “Human Impact on Landscapes ”	North East Hill University. Department of Geography. Shillong	Stress on Embankment leading to frequent breaching at Indian Sundarbans	29 th -31 st Oct,2015	Paper presented and abstract printed in the Abstract Volume
13	National Seminar on “Role of Values and Indigenous Tradition to Sustain Life on Earth” organised by Bangio Bhugol Mancha.	Sadar Govt. High School Auditorium, Cooch Behar, West Bengal.	“Education for Values in the Present Context of Schooling”	30 th -31 st Jan,2016	Paper presented and abstract printed in the Abstract Volume
14	International Seminar on “Fluvial Processes and Anthropogenic Foot Print”	Department of Geography. University of Gour Banga.	“Reclamation in Sundarban; Reflection in Hydrodynamics”	11 th -12 th March,2016	Paper presented and abstract printed in the Abstract Volume

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15	National Seminar on “Value Education and Role of Teacher in the 21st Century”	Raiganj B. Ed. College	“Constraints of Value Education in The Present Context of Schooling”	15th March, 2016	Paper presented and abstract printed in the Abstract Volume
16	UGC Sponsored National Level Seminar on “Women and Society”	Department of Political Science, Cooch Behar College	“Position of Women in Manusamhita”	11 th -12 th August, 2016	Paper presented and abstract printed in the Abstract Volume
17	UGC Sponsored National Level Seminar on “Environmental Degradation and Disasters -A Vision Plan for Sustainable Development”	Department of Geography, Cooch Behar College	“Algal Dynamics of Brakish Water Environment in Sundarban”	25 th -26 th August, 2016	Paper presented and abstract printed in the Abstract Volume
18	International Seminar on “Changing Geo-environmental Processes and Societal Adjustment”	Department of Geography. University of Gour Banga.	“Assessing Effects of Physical and Socio-economic Conditions on Human Animal Conflicts in West Bengal”	30th August, 2016	Paper presented and abstract printed in the Abstract Volume
19.	One day National Seminar on Employment Centric Higher Education	Science City Auditorium, Science City, Kolkata.	Attended	5th October, 2016	Attended
20	29 th Annual conference of Indian Institute of Geomorphologists & National Seminar on “Geomorphology and Natural Hazards ”	University of Calcutta. Department of Geography, Kolkata	“Assessment of Nature and Occurrences of Tropical Cyclones Landfalling in Sundarban during the Last Hundred Years”	24 th -27 th Nov, 2016	Paper presented and abstract printed in the Abstract Volume
21	4 th International Seminar on “Population, Urbanization and Environment: Contemporary Issues and Challenges”	Department of Geography. University of Gour Banga.	“Sand mining in Eastern Dooars and its Impacts”	21 st -22 nd March, 2018	Paper presented and abstract printed in the Abstract Volume
22	4 th International Seminar on “Population, Urbanization and Environment: Contemporary Issues and Challenges”	Department of Geography. University of Gour Banga.	“Empowerment of Domestic Female Workers in Mathabhanga Municipal Town, West Bengal, India”	21 st -22 nd March, 2018	Paper presented and abstract printed in the Abstract Volume
23	Symposium on “Living under threat: Mangroves of Sundarbans”	Prasanta Chandra Mahalanobis College	Participated	11 th January, 2019	Participated
24	Week-long Workshop on “QGIS: An Elementary Understanding” jointly organized by Cooch Behar College and Sitalkuchi College	Department of Geography, Cooch Behar College	Participated	14 th -20 th January, 2019	Participated
25	International Conference on “Cognitive Science, Language & Reality”	Cooch Behar Panchanan Barma University” in collaboration with Institute of Cross-Cultural Studies & Academic Exchange, USA	“Assessment of Potential Ground Water Zone by Using AHP & GIS Techniques in Cooch Behar District, West Bengal”	9 th -11 th January, 2020	Paper presented and abstract printed in the Abstract Volume
26	National Seminar on “Recent Advances in Geospatial Technology & Applications”	Indian Institute of Remote Sensing, Dehradun, in collaboration with Indian Society of Remote Sensing, Dehradun Chapter	“Comparative Assessment of MIF & AHP Techniques for Delineation of Ground Water Potential Zone: A Case Study in Cooch Behar District, West Bengal”	2 nd March, 2020	Paper presented and abstract printed in the Abstract Volume
27	IIRS Academic Meet	IIRS, Dehradun	Participated	3 rd March, 2020	
28	Feedback Session of IIRS Outreach Programme Co-Ordinator	IIRS, Dehradun	Participated	4 th March, 2020	

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LIST OF NATIONAL SEMINAR / EXIBITION OR ANY OTHER PROGRAMME ORGANISED

Sl. No	Name of the Seminar	Venue	Portfolio	Date	Remarks
1	UGC Sponsored National Level Seminar on “Women and Society”	Department of Political Science, Cooch Behar College	Member	11 th -12 th August, 2016	Nil
2	UGC Sponsored National Level Seminar on “Environmental Degradation and Disasters -A Vision Plan for Sustainable Development”	Department of Geography, Cooch Behar College	Organising Secretary and Proposer of the Seminar to the UGC	25 th -26 th August, 2016	Nil
3	Book Exhibition, 2016	Cooch Behar College	Organising Secretary	22 nd -26 th August, 2016	Nil
4	Disaster Awareness Programme	Cooch Behar College	Organising Secretary	19 th sept, 2016	Nil
5	Nature and Adventure Camp	Bauxa Fort	Camp-In-Charge	24 th -26 th November, 2017	Nil
6	Annual NSS Special Camp	Jhinaidanga Amasudas High School Dawaguri, Dist- Cooch Behar, West Bengal, India	Programme Officer	9 th to 15 th March, 2018	Nil
7	One day workshop on Disaster Management under NSSP	Cooch Behar College	Co-ordinator	20 th March, 2018	Funded by SDO office under NSSP
8	Blood Donation Camp	Cooch Behar College	Co-ordinator	28 th April, 2018	Collaboration with MJN Hospital, Cooch Behar
9	Workshop on 4th International Yoga Day	Cooch Behar College	Co-ordinator	21 st June, 2018	Nil
10	Swachh Bharat Summer Internship Programme-2018	Harinchaowra, Guriahati-II Grampanchayat, Block- Cooch Behar-I, Dist-Cooch Behar, West Bengal	Nodal Officer	23 rd May - 31 st July, 2018	Nil
11	Q-GIS: An Elementary Understanding	Cooch Behar College	Conveyner	14 th -20 th January, 2019	Collaborated with Sitalkuchi College
12	Digital Screening on “National Youth Parliament-2019” for 8 Districts of North Bengal	Cooch Behar College	Nodal Officer	12 th -21 th January, 2019	NSS
13	“District Youth Parliament-2019” Cooch Behar, West Bengal	Cooch Behar College	Nodal Officer	28 th January, 2019	NSS
14	“District Level Science Education Camp”	Cooch Behar College	Co-ordinator	18 th -20 th December, 2019	Sponsored by West Bengal Council of Science & Technology

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Minor Research Project Completed:

“Impact of Tropical Cyclones on Indian Sundarban-A Study in the Context of Global Climatic Change” Amount of sanctioned money Rs. 170000/-

Orientation Programme, Refresher Course and Training Programme attended

- 1) Two Days Orientation Programme on “Disaster Management & Road Safety Awareness” from 20th January, 2012 to 21st January, 2012”.
- 2) Orientation Programme on “Newly Framed B. Ed Syllabus” of WBSU from 26th – 27th March, 2012
- 3) Three Days Orientation Programme on “School Leadership Development Programme” from 8th April, 2015 to 10th April, 2015”.
- 4) Three Days Orientation Programme on “School Leadership Development Programme” (3rd Phase) from 10th June, 2015 to 12th June, 2015”.
- 5) UGC Sponsored Orientation Programme (OP-33) from 20th February to 21st March, 2017 at UGC-HRDC, Kumaun University, Nainital.
- 6) Training Programme on “Capacity Building on e-Waste Management” organised by National Institute of Electronics and Information Technology (NIELIT) on 8th May, 2017.
- 7) Training Programme on “Disaster Management for NSS & NYK Co-ordinators” organised by Administrative Training Institute, Government of West Bengal from 28th – 30th June, 2017
- 8) Refresher Course in Geography on “Perspective in Culture, Society and the Future Earth: Current Technological and Environmental Challenges” from 28th May, 2018 to 16th June , 2018 at UGC-HRDC, Rani Durgavati Vishwavidyalaya, Jabalpur, MP
- 9) One Day Sensitization Programme on “Producing Lead Volunteers” organised by NSS, CBPBU on 18th November, 2017

Acted as Key Resource Person or Resource Person

1. **Resource Person** in 3 days Orientation Training programme on National Curriculum Framework 2005 organised by District Sarva Siksha Mission, North 24 Parganas from 4th January, 2012 to 6th January, 2012.
2. **Key Resource Person** in the 3 days Workshop on “Awareness Building in Right to Education Act, 2009” Organised by West Bengal Board of Secondary Education from 9th January, 2012 to 11th January, 2012.
3. **Key Resource Person** in the 3 days Workshop of Resource Person Training on “ Right to Education Act, 2009” Organised by Government of West Bengal at DIET, North 24 Parganas from 24th September, 2012 to 26th September, 2012.
4. **Resource Person** in 3 days Orientation Training programme on “ Right to Education Act, 2009” from 11th October, 2012 to 13th October, 2012.
5. **Resource Person** “Disaster Awareness and Management Programme” on 19th September, 2016 at Cooch Behar College.
6. **Resource Person** on “District Level Residential Science Education Camp” and Management Programme” on 18th - 20th Dec, 2019 at Cooch Behar College delivered a lecture on “Scope and Prospect of Remote Sensing and GIS in Different Fields”

Life Member of-

- 1) **Institute of Science, Education and Culture (ISEC)**
42-B, Syed Amir Ali Avenue, Kolkata 700 017, India
Phone: 033-2280 1798, Mob 9007371659,
E-mail: iseckol@vsnl.net
- 2) **Indian Institute of Geomorphologists (IGI)**
University of Allahabad; Uttar Pradesh, India
- 3) **Indian Society of Remote Sensing (ISRS)**
Dehradun; Uttarakhand, India

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NSS ACTIVITY-

- 1) Acting as NSS Programme Officer Unit-I, Cooch Behar College since 8th August, 2017
- 2) Acting as IIRS Outreach Programme Co-ordinator since July, 2019

AWARD AND RECOGNITION-

- 1) Received Best School Award offered by Department of School Education, Government of West Bengal as Headmaster, Sreema Vidyamandir.
- 2) National Teaching Excellence Award 2016 offered by International Benevolent Research Foundation on World Teachers Day.
- 3) “Best Programme Officer Award” offered by Cooch Behar Panchanan Barma University on 3rd Convocation on 14th February, 2020.

Details of Assignment with the University

1. Guest Teacher of Geography in the Department of Geography, Cooch Behar Panchanan Barma University since 01st September, 2015 to 6th September, 2016
2. Counsellor of Environmental Science in the Netaji Shubhas Open University, Cooch Behar College study Center. Since 8th July, 2015.

Any other information

1. Acted as Co-coordinator of Women Studies (A UGC Sponsored Career Oriented Programme) for the period from 22.09.2015 to 19.03.2016
2. Acting as a Member of Tender, Purchase and Building Committee of Cooch Behar College.
3. Ph, D Supervisor under Cooch Behar Panchanan Barma University since 2018



Dr. Tapan Kumar Das
Assistant Professor
Cooch Behar College

Date: 31st March, 2021