

## BIO-DATA

1) Name: Dr. /Mr: DR. TAPAN KUMAR CHATTOPADHYAY

2) Department: ELECTRICAL ENGINEERING

3) Contact Nos.: 9434834138

4) Qualifications: Ph.D.

5) Designation: Assistant Professor, **VIDWAN ID: 192562**

6) Experience (Teaching / Research / Industry, in years): - 12 yrs/ 7 yrs/ 19 yrs

7) Date of Joining at the Present Institution: 21.07.2010

8) Examinations Cleared: NET-CSIR/GATE: N.A.

### 9) Qualifications Summary (Reverse chronological order):

Sl. No.	Degree	Institute	From – To	Subjects
1.	Ph.D.	Indian Institute of Engineering Science and Technology(IEST), Shibpur	25.08.2014 to 30.05 2019	Electrical Engineering (Power Systems)
2.	M.Tech.	National Institute of Technology (Durgapur)	2003-04 to 2005-06	Industrial Electrical Systems
3.	B.E.E.	Jadavpur University	1990-91 to 1994-95	Electrical Engineering

### 10) Experience Summary (In chronological order):

Sl. No.	Designation	Organization	Date From – Date To
1.	Technical Officer	Mishanti Consultancy Services Pvt. Ltd., Kolkata	Jan'1986 to Sept' 1987
2.	Sales and Service Engineer	Masuba Instruments Pvt. Ltd, Kolkata	19.10.1987 to 18.10.1988
3.	Technical Supervisor	Malhati Tea & Industries Ltd, Kolkata-69	09.04.1990 to 30.06.1991
4.	SAE-Cum-Foreman	W.B. Dairy & Poultry Dev. Corporation Ltd. (Govt. Of W.B. Undertaking)	12.05.1992 to 20.12.2007



5.	Senior Lecturer	Durgapur Institute of Adv. Technology & Management, Durgapur-12	04.01.2008 to 20.07.2010
6.	Assistant Professor	Dr. B.C. Roy Engineering College, Durgapur-6	From 21.07.2010 and continuing

**11) Specialization/Research Interest:**Power Systems( Radial Distribution)/ Interdisciplinary areas

**12) Awards & Recognitions**

**Best paper/ scholarship/Position in university exam / awards while at industry/ other organizations etc.**

NATIONAL SCHOLARSHIP in the year 1975-76

**13) Courses taught:**

**B.Tech: Specify the name of the subject/s (Theory first and then practical)**

**M.Tech: specify the name of the Subject/s**

B.Tech.	Theory Papers	Basic Electrical Engineering, Circuit Theory, Electrical & Electronics Measurement, Power Electronics, Electric Machine, Electric Drives, Value & Ethics in Profession, Power Systems, Organisational Behaviour, Utilization of Electric Power
B.Tech.	Practical	Lab. For Basic Electrical Engineering, Circuit Theory, Electrical & Electronics Measurement, Power Electronics, Electric Drives, Power Systems,
M.Tech.	Theory Papers	Power System planning & Reliability, Power System Instrumentations, Advance Power System Protection

**14) Online Mode of Teaching:**

**The Faculty member needs to specify the online teaching/ assessment method adopted. (Link to any faculty created resources for Lecture notes / PPT/ Video Lecture etc. in Google Drive / Weblink etc)**

ON THE GOOGLE PLATFORM

**15) Publications:**

**a) Journal:**

- 1) **Tapan Kumar Chattopadhyay**, Sumit Banerjee, Chandan Kumar Chanda, "A Simple Approach on Voltage Stability Index Of Distribution Systems for Loads of Different Types", International Review of Electrical Engineering, 2014, Vol. 9, N.5, pp. 1002-1011, ISSN 1827-6660
- 2) **Tapan Kumar Chattopadhyay**, Sumit Banerjee, Chandan Kumar Chanda, "Voltage Stability Index of Radial Distribution Networks by Considering Distributed Generators for Different Types of Loads", 2016, Vol. 5, Issue 1, DOI: 10.4018/IJEOE. 2016010101

**b) Conference:**

1. S Banerjee, **T K Chattopadhyay**, K Dasgupta & C K Chanda, “Voltage Stability Analysis of Distribution Networks for Loads of Composite Type”, International Conference on Electrical, Electronics and Computer Science(ICEECS), 14<sup>th</sup>. Oct,Tiripati-2012, ISBN: 978-93-81693-68-1.
2. Sumit Banerjee, **Tapan Kumar Chattopadhyay**, C K Chanda, “Voltage Stability Margin of Distribution Networks for Composite Loads” , 2012 Annual IEEE India conference,INDICON-2012, 7-9 December-2012, DOI: 10.1109/INDICON.2012.6420685 (IEEE Xplore)
3. Koustav Dasgupta, **Tapan Kumar Chattopadhyay**,”Short-Term Hydrothermal Scheduling Applying PSO”, International Conference on Electrical Engineering and Computer Science(EECS), 7<sup>th</sup> April-2013, Naintal, ISBN: 978-93-82208-82-2.
4. **Tapan Kumar Chattopadhyay**, Sumit Banerjee, Chandan Kumar Chanda, “ Impact of Distributed Generator on Voltage Stability Analysis Of Distribution Networks Under Critical Loading Conditions for Composite Loads ” , International Conference on Electronics, Communications and Instrumentations(ICECI), 16-17 Jan.-2014, DOI: 10.1109/ICECI.2014.6767367 , (IEEE Xplore)
5. **Tapan Kumar Chattopadhyay**, Sumit Banerjee, Chandan Kumar Chanda, “ Impact of Distributed Generator on Voltage Stability Analysis Of Distribution Networks Under Critical Loading Conditions”, International Conference on Non Conventional Energy(ICONCE 2014), January 16-17,2014,Kalyani,WB, DOI: 10.1109/ICONCE.2014.6808728, (IEEE Xplore)
6. **Tapan Kumar Chattopadhyay**, Sumit Banerjee, Chandan Kumar Chanda, “ Impact of Shunt Capacitor on Voltage Stability Analysis Of Distribution Networks Under Critical Loading Conditions”, International Conference on Automation, Control, Energy & Systems(ACES-2014), 1-2 Feb-2014, DOI: 10.1109/ACES.2014.6808022, (IEEE Xplore)
7. **Tapan Kumar Chattopadhyay**, Sumit Banerjee, Chandan Kumar Chanda, “Voltage Stability Analysis of Distribution Networks Under Critical Loading Conditions”, 2014 Power and Energy Systems: Towards Sustainable Energy(PESTSE 2014), 13-15 March 2014, DOI: 10.1109/PESTSE.2014.6805299, (IEEE Xplore)
8. **Tapan Kr. Chattopadhyay**, Sumit Banerjee,Deblina Maity, Chandan Kumar Chanda, “ Micro grid: Planning of Active And Reactive Power Loss Reduction in Distributed Network” , 3<sup>rd</sup> International Conference on Electrical, Electronics, Engineering Trends, Communications, Optimization and Science(EEECOS)-2016, 1-2 June,2016, DOI: 10.1049/cp.2016.1557, ( IET Digital Library)
9. **Tapan Kumar Chattopadhyay**, Sumit Banerjee, Rabi Sankar Nag, Chandan Kumar Chanda, “ Application of Reliability Indices for the analysis of a Radial Distribution System”, 2018 National Power Engineering Conference(NPEC), 9-10 March 2018,Madurai,India, DOI: 10.1109/NPEC.2018. 8476778, (IEEE Xplore)

c)Book: N.A.

d) Book Chapter: N.A.

**16) Supervision of Ph.D/M.Tech / B.Tech Projects:**

**For Ph.D :** N.A.

**Projects:**

1. Name of the student/s (with university roll number), Name of the supervisor, “ Title of the Project / thesis” , Year (only final year 8<sup>th</sup> Sem Project for B.Tech and Thesis for M.Tech )

Sl. No.	Name of the student/s (with university roll number)	Name of the supervisor	Title of the Project / thesis	Year (only final year 8 <sup>th</sup> Sem Project for B.Tech and Thesis for M.Tech )
1.	RANA PRATAB GANGULI (12020212010)	Tapan Kr. chattopadhyay	PSO Based Short Term Hydrothermal Scheduling	2014 (M.Tech)
2.	RANJIT KUMAR GHOSH (12020212011)	-----DO----- -	Voltage Stability & Power Quality Improvement by using Passive Filter	2014 (M.Tech)
3.	JEENIA BHADRA (12013413006)	-----DO----- -	Reduction of Interruption Duration & frequency of Failure in a Distribution Networks with thehelp of Correlation Regression and Principle Component Analysis	2015 (M.Tech)
4.	SABYASACHI SAMANTA (12013414008)	-----DO-----	Impact of Micro-grid as Grid Connected Mode on Active Power Loss Reduction of Distributed Network	2016 (M.Tech)

5.	KUNTAL CHAUDHURY (12013415007)	-----DO----- -	Assessment of Reliability of Radial Distribution Systems Using Various Reliability Indices	2017 (M.Tech)
6.	AAKASH CHANDRA MONDAL (12013415001)	-----DO-----	Generation of Marginal & Reliable Operating Line of Indices for Radial Distribution Systems	2017 (M.Tech)
7.	RABI SANKAR NAG (12013416003)	-----DO-----	Application of Reliability Indices for the Analysis of a Radial Distribution Systems	2018 (M.Tech)
8.	SUROJIT BISWAS (12013418001)	-----DO-----	Reliability Evaluation by Dynamic Voltage Restore(DVR) of a system	2020 (M.Tech, Continuing & Thesis submitted on June,2020)
1.	SUBHAJIT GANGULI(12001610025), SOURAV SANKAR DEY(12001610004), ANINDYA BANERJEE(12001610015), PALASH SARKAR(12001610055), GAUTAM KUMAR(12001610035)	-----DO-----	DESIGN OF DISTRIBUTION TRANSFORMER	2014(B.Tech.)
2.	ANKUR KUMAR(12001611007), AYAN KUNDU(12001611010), GOURAB KR. BAGCHI(12001611022), PRITAM DAS(12001611041), SOURMEN KONAR(12001611057)	-----DO-----	SPEED CONTROL OF DC MOTOR USING CHOPPER	2015(B.Tech.)
3.	SUBHAJIT SINGHA ROY(12001612105), ANUPAM MANNA(12001613123), SUNAYAN MONDAL(12001613146), ANURAG HOTA(12001613124), CHIRANJEET KOLAY(12001613128), VIRANJAN KUMAR(12001612125), SRITAMA SINHA(12001613144),	-----DO-----	WIRELESS SECURITY SYSTEM	2016(B.Tech.)
4.	ABHISHEK RANJAN(12001614119), ARINDAM DAS(12001613024), KOUSIK BHUI(12001614126), SOUMAN MANDAL(12001614137), SURAJ SRIVASTAVA(12001614143),	-----DO-----	AUTOMATIC SPEED CONTROL OF SINGLE PHASE INDUCTION MOTOR WITH VARIATION OF AMBIENT TEMPERATURE	2017(B.Tech.)
5.	PRATEEK ROY(12001614067), PRIYANKA BHARTI(12001614071), RAHUL KR. SAHA(12001614074), RAVISHANKAR KUMAR(12001614080), SHAMBHAVI JHA (12001614090), HIMANSHU SHEKHAR(12001615130),	-----DO-----	SMART HOME SECURITY SYSTEM	2018(B.Tech.)

6.	ANNYASHA CHATTERJEE(12001615010), ANSHU PRIYA(12001615011), ANUSHA ISHTEAQUE(12001615012), ARPITA SARKAR(12001615013), KASHISH KUMARI(12001615037), NAINA NANDINI(12001615051),	-----DO-----	SMART RAILWAY SECURITY SYSTEM	2019(B.Tech.)
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**17) Invited Lectures:**

N.A.

Topic of the lecture, Name of the event, organized by, Date

**18) Participation in seminar/conference/symposium/workshop/discussion meeting**

Sl. No	Name of the event	Duration,	Year	Organized by.
1.	Use of MATLAB TOOL BOXES FOR REAL TIME APPLICATIONS IN ELECTRICAL ENGG., AICTE-ISTE	June 16-22 (7 Days)	2008	BIT, MESRA
2.	Trends in Power Electronics Elect-M/c & Drives (TPEEMD-09), TQIP Prog.	Feb. 26-27 ( 2 Days)	2009	NIT-Durgapur
3.	Workshop on operation Control Stability & Power Quality Issues in Modern Power System, TQIP Prog.	Mar. 26-27	2009	NIT-Durgapur
4.	Latest Technologies in High Voltage Power Systems(LTHVPS-09), TQIP Prog.	Mar. 30-31	2009	NIT-Durgapur
5.	Workshop on Recent Trends in Machine Intelligence, Data Mining and Soft Computing Technologies and its Impact on Research & Development	23 <sup>rd</sup> and 24 <sup>th</sup> Nov.	2013	Dr. B.C. Roy Engg. College, Durgapur
6.	Advances in Welding Technology	7 <sup>th</sup> Feb.	2015	Dr. B.C. Roy Engg. College, Durgapur
7.	Workshop on Microwave Engg. & Applications(MEA-2015)	14 <sup>th</sup> – 15 <sup>th</sup> . Mar	2015	Dr. B.C. Roy Engg. College, Durgapur
8.	Advances in Nano-Satellite Technology	4 <sup>th</sup> . Nov.	2015	Dr. B.C. Roy Engg. College, Durgapur

### 19) Participation in faculty development programmes

Name of the faculty development programmes, Online / Face-to-face/ From Date – To Date, Duration, Year, Organized by.

Name of the F.D. Programmes	Mode	From Date – To Date	Durations	Year	Organized by.
<b>Moodle Learning Management Systems,</b>	Online/off line	21.04.2020 to 25.04.2020	5 Days	2020	Dr. B.C. Roy Engg. College under spoken Tutorial Project,IIT-Bombay, Funded by MHRD, Govt. Of India
<b>Modern Trends in Electrical Engineering,</b>	Online	23.06.2020 to 27.06.2020	5 Days	2020	Organised by Dr. B.C. Roy Polytechnic, Durgapur

**20) Organization of events (Dr. B. C. Roy Engineering College):** N.A.  
Name of the event, Date, Year

**21) Participation in administrative committees (selected) :** N.A.  
Name of the post (Convener/Joint Convener/Member secretary/ Co-ordinator etc.), Name of the committee , year

**22) Project Ideas Submitted to Govt. Agencies/ On-going Projects / Research Ideas under preparation & execution:** N.A.

**23) Membership of professional bodies:** Member of the Institution of Engineers(India)  
**IEEE, IETE, IEL, CSI, MGMI etc.** Membership No. M-155345-8

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