

Name: Mr. SUNIL KR. CHOUDHARY

Department: ELECTRICAL ENGINEERING

Contact Nos.: 8250762044/9093077660

Qualifications: Ph.D. (perusing), M.Tech.(E.E.), B.E.(E.E.)

Designation: Assistant Professor

VIDWAN ID: 193402

Experience (Teaching / Research / Industry, in years): 15 years

Date of Joining at the Present Institution: 27th August 2014

Examinations Cleared: NET-CSIR/GATE NA

Qualifications Summary (Reverse chronological order):

Degree	Institute	From - To	Subjects
Ph.D. (Pursuing)	N.I.T. DGR	2019-	E.E. (Biomedical Instrumentation)
M.Tech	N.I.T. DGR	2005-2007	E.E. (Industrial Electrical System)
B.E.	AEC, Asansol	2000-2004	E.E.

Experience Summary (In chronological order):

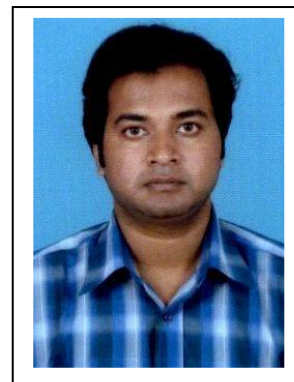
Designation,	Organization,	Date From - Date To
Assistant Professor	SVIST, Kolkata	Jan 2013-Aug 2014
Assistant Professor	BCET, Durgapur	Aug 2012-Jan2013
Assistant Professor	NFET, Durgapur	Aug 2010-Aug 2012
Sr. Lecturer	BCET, Durgapur	July 2006-Aug 2010

Specialization/Research Interest: Biomedical Instrumentation, Power Flow Analysis, Electrical drives

Awards & Recognitions

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

Courses taught:



B.Tech.: Specify the name of the subject/s (Theory first and then practical)
Circuit Theory, Electrical Machine-I & II, Power Electronics
M.Tech: specify the name of the Subject/s
NA

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)
Google meet with pen tab

Publications:

Journal:

1. Bera, T. K., **Choudhary, S.**, Maiti, T., & Barnwal, S. P. (2020, March). A Low-Cost Electroencephalography (EEG) Instrumentation for Epileptic Seizure Detection. In *Journal of Physics: Conference Series* (Vol. 1495, No. 1, p. 012038). IOP Publishing.

DOI: <https://doi.org/10.1088/1742-6596/1495/1/012038>

Link: <https://iopscience.iop.org/article/10.1088/1742-6596/1495/1/012038/meta>

Conference:

1. **Choudhary, Sunil Kumar**, Ankit Kumar, and Jyoti Kumari. "An accurate electrical parameters optimization of three phase induction machine considering core loss resistance." (2015): 39-6.
DOI: [10.1049/cp.2015.1635](https://doi.org/10.1049/cp.2015.1635)
ISBN: 978-1-78561-186-5
2. **Choudhary, Sunil**, and Tushar Kanti Bera. "Elephant Herding Optimization (EHO) Based Parameters Estimation of Induction Machine Considering the Nonlinear Core-Loss Model." *2020 IEEE 1st International Conference for Convergence in Engineering (ICCE)*. IEEE, 2020.
DOI: <https://doi.org/10.1109/ICCE50343.2020.9290586>
3. **Choudhary, Sunil**, and Snehashis Ghoshal. "Crisscross Optimization (CSO) Based Short-Term Conventional Generation Scheduling Incorporating Renewable Energy." (2021): 213-218.
DOI: <https://doi.org/10.1049/icp.2021.1139>
4. **Choudhary, Sunil**, Kamalika Tiwari, Santigopal Pain. Optimal power flow scheduling with valve-point effects using Barnacles mating optimization, 3rd International Conference on Communication, Devices and Computing (ICCDC-2021), Springer, 2021

Book:

Name of the author/s (**Make bold font for own name**), "Title of the Book", Name of the Publisher, Year of Publication, ISBN Number (Print / Online)

NA

Book Chapter:

1. **Choudhary, Sunil Kumar**, and Santigopal Pain. "Modified Particle Swarm Optimization (MPSO)-Based Short-Term Hydro–Thermal–Wind Generation Scheduling Considering Uncertainty of Wind Energy." *Innovations in Sustainable Energy and Technology*. Springer, Singapore, 2021. 195-205. DOI: 10.1007/978-981-16-1119-3_18
2. Barnwal, S. P., Maiti, T., **Choudhary, S.**, & Bera, T. K. (2021). An arduino based voltage-controlled oscillator for biomedical applications. In *Recent Trends in Communication and Electronics* (pp. 594-599). CRC Press. DOI: <https://doi.org/10.1201/9781003193838>

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

1. **Name of the student/s (with university roll number), Name of the supervisor, " Title of the Project / thesis" , Year (only final year 8th Sem Project for B.Tech)**

Invited Lectures:

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

NA

Participation in seminar/conference/symposium/workshop/discussion meeting

Name of the event, duration, Year, Organized by.

Participation in faculty development programmes

Name of the FDP,	Online	Date	Duration, Year, Organized
Sensor and Actuators	Online	Jul-oct 2019	12weeks 2019 NPTEL
Automatic Control	Online	Jan-Marc 2020	08 weeks 2020 NPTEL
APEC	Online	Jan-Mar 2020	08 weeks 2020 NPTEL
Control Engineering	Online	Sep-Dec 2020	12 weeks 2020 NPTEL

Organization of events (Dr. B. C. Roy Engineering College)

Name of the event	Date	Year
Saraswati Puja	22 nd Jan 2018	2018

Participation in administrative committees (selected)

Name of the post (Convener/Joint Convener/Member secretary/Co-ordinator etc.),

Name of the committee year

Anti-Ragging (Joint Convener) 2017

Anti-Ragging (Member)	2018
Hostel Superintendent	2018-2020
College Disciplinary (Member)	2018-2020
NSS (Joint Co-ordinator)	2021-till now

Project Ideas Submitted to Govt. Agencies/ On-going Projects / Research Ideas under preparation & execution

NA

Membership of professional bodies: IEEE (92317887), IAENG (276218)