

Name: Mr Samujjwal Ray



Department: CSD(CSE)

Contact Nos.: +91 99339 80980

Qualifications: M.Tech in Tele-Communication from ECE department, NIT, Durgapur

Designation: Assistant Professor, Grade-II

VIDWAN ID:

Experience (Teaching / Research / Industry, in years): 19 years of teaching experience
3 years of research experience

Date of Joining at the Present Institution: 18th July 2002

Examinations Cleared: NIL

Qualifications Summary (Reverse chronological order):

Degree	Institute	From – To	Subjects
M.Tech	NIT, Durgapur	2006 to 2008	Telecommunication
B. Tech	REC, Durgapur	1992 to 2001	ECE
10+2	CBSE	1992	English, Physics, Chemistry, Maths, Biology

Experience Summary (In chronological order):

Designation,	Organization,	Date From – Date To
Technical Assistant(Consolidated)	BCREC, ECE	18-07-2002 to 30-06-2004
Junior Lecturer (Consolidated)	BCREC, ECE	01-10-2004 to 08-12-2005
Lecturer (Consolidated)	BCREC, AEIE	09-12-2005 to 30-09-2007
Lecturer (Scale)	BCREC, AEIE	01-10-2007 to 31-12-2008
Senior Lecturer	BCREC, AEIE	01-01-2009 to 30-06-2010
Assistant Professor Grade II	BCREC, AEIE	01-07-2010 to Continuing

Specialization/Research Interest: Research interest in Signal Processing

Awards & Recognitions

NIL

Courses taught:

B.Tech: Basic Electronics, Digital Electronics, Microprocessors & Microcontrollers, Analog & Digital Communication, Mobile communication

M.Tech: Advanced Microprocessor for EE

Online Mode of Teaching:

Using Digital Board software (Openboard) with Pen Tablet hardware for board work and google meet for streaming real time classes. Google form is used for assessment.

Publications:**Journal:**

Samujjwal Ray, Rajdeep Ray, Khondekar Mofazzal Hossain, Koushik Ghosh, "Scaling Analysis and Model estimation of Solar Corona Index", Advances in Space Research, Elsevier, 15 April 2018, Volume 61, Issue 8, Pages 2214-2226, ISSN: 0273-1177

DOI: <https://doi.org/10.1016/j.asr.2018.01.036>

<https://www.journals.elsevier.com/advances-in-space-research>

Conference:

Nil

Book:

NIL

Book Chapter:

NIL

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

NIL

Projects:

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 and Thesis for M.Tech)

1. Shilpi Kumari (12000512051), Priyanka (12000512037), Somali Mazumdar (12000512053), under Samujjwal Ray, "Building ARM based Digital Storage Oscilloscope", 2016.
2. Roshan Kumar Jha (12000513041), Ramanand Singh (12000513035), Sonam Kumar (12000513045), under Samujjwal Ray, "RFID based access control system", 2017.
3. Saikat Adhikari (12005514012), under Samujjwal Ray, "PASSWORD PRTECTED APPLIANCE USING 8085 & 8255A", 2018.
4. Souvik Kumar Das (12005515031), Tanushree Patar (12005515037), Aniket Subham (12005515004), Saheli Nath (12005515022), Under Dr. K M Hossain and Samujjwal Ray, "RTD

- CALIBRATION AND ELIMINATION OF 2-LEAD WIRE EFFECT USING MATLAB”, 2019.
5. Shubham Patitunda (12005516009), Sayan Banerjee (12005516011), Pritam Sarkar (12005516017), Diptesh Mukherjee (12005516024), under Samujjwal Ray, “Use of HM-10 BLE Module with Arduino to control an LED using an Andriod app”, 2020.
 6. Himanshu Kumar singh (12005517011), Samir Jana (12005517004), under Samujjwal Ray, “Audio Signal Processing using Matlab”, 2021

Invited Lectures:

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

1. “Introduction to mobile Troubleshooting”, invited 1 hour Lecture, MODROB under AICTE, BCREC, 2012.

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

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

1. “Relevance of Physics Education in Present Technical Scenario”, 2 days, January 18-19, 2008, National Institute of Technology, Durgapur under TEQIP.
2. “DSP and Embedded systems”, Intraday, March 10, 2007, Dr. B C Roy Engineering College, Durgapur.
3. “Workshop on Recent Development in Mathematical and Physical Sciences”, One Day, January 01, 2012, Calcutta Mathematical Society, AE-374, Sector-1, Saltlake, Kolkata – 700064.
4. “Technical Workshop on Recent Trends in Machine Intelligence, Data Mining and Soft Computing Techniques and its Impact on Research and Development”, 2 Days, November 23-24, 2013, R&D Centre, Dr B C Roy Engineering College, Durgapur.
5. “MHRD Sponsored One Day workshop on NMEICT Awareness”, One Day, May 09, 2013, National Institute of Technology, Durgapur.
6. “Two-week ISTE Workshop on Signals and Systems”, January 02-12, 2014, jointly conducted by Indian Institute of Technology, Kharagpur and National Institute of Technology, Durgapur.

Participation in faculty development programmes

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

1. 3D Printing and Design, Online FDP, Aug 17-21, 2021, 5 days, CSE, BCREC
2. Introduction to Probability & Statistics, <http://nptel.ac.in>, Jan-Feb 2020, 4 weeks, NPTEL-AICTE FDP Certification Course.

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

Nil

Participation in administrative committees (selected)

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

1. NBA Coordination for ECE department during NBA 2007-08 preparation, where NBA team has visited during February 22-24, 2008.

2. Departmental Budget and Expenses Coordinator, 2015-2021, AEIE Department, 20BCREC.
3. Departmental NAAC Coordinator, 2019 onwards, AEIE Department, BCREC.
4. Departmental Course Assessment Coordinator, 2019 onwards, AEIE, BCREC.
5. MARS and MOOCs Coordinator, 2021 onwards, AIML, under CSE, BCREC.

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

Nil

Membership of professional bodies: IEEE, IETE, IEI, CSI, MGMI etc.

Nil