Name: Joyjit Patra

Department: Computer Science & Engineering

Contact Nos.: 9474447078

Qualifications:

M.Tech. in Computer Systems and Technology, B.Tech. in Information Technology

Designation: Assistant Professor
VIDWAN ID: 187742

Experience (Teaching / Research / Industry, in years): Teaching 10 Years

Date of Joining at the Present Institution: 18-12-2020

Examinations Cleared: NO

Qualifications Summary (Reverse chronological order):

Degree	Institute	From – To	Subjects
M.Tech	Dr. B. C. Roy Engineering College, Durgapur	2009-2011	Computer Systems and Technology
B.Tech.	Bankura Unnayani Institute of Engineering, Bankura	2004-2008	Information Technology

Experience Summary (In chronological order):

~ 1 ~

Designation	Organization	Date From	Date To
Asst. Professor	Dr.B.C. Roy Engineering College, Durgapur	18-12-2020	Till date
Asst. Professor	Bengal College of Engineering and Technology, Durgapur.	05-03-2019	22-12-2020.
Asst. Professor	Aryabhatta Institute of Engineering and Management, Durgapur	12-07-2011	17-08-2018
Lecturer	Aryabhatta Institute of Engineering and Management, Durgapur	08-09-2010	11-07-2011

Specialization/Research Interest:
 Algorithms, Theory of Computer Science, Soft computing.

Courses taught:

B. Tech. Theory:
1. Design & Analysis of Algorithms
2. Data Structure and Algorithm
3. Formal Language & Automata Theory
4. Programming for Problem Solving
5. Database Management System
6. Object Oriented Programming
B. Tech. Practical:
1. Programming for Problem Solving
2. Design & Analysis of Algorithms
3. Data Structure and Algorithm
4. Object Oriented Programming
5. Python

Online Mode of Teaching:
Design & Analysis of Algorithms
Data Structure and Algorithm
Object Oriented Programming
Lecture notes, Assignments through Google Drive.

Publications:

Journal:

- Joyjit Patra1, Himadri Nath Moulick2, Arun Manna3 "Adaptive filters in colour image processing and classifying image pixels in medical applications using fuzzy logic" paper has published in International Journal of Multidisciplinary Research and Advances in Engineering (IJMRAE) ISSN 0975-7074, Vol. 5, No. III (July 2013), pp. 155-172.
  http://www.ascent-journals.com/IJMRAE/Vol5No3/15-JOYJIT%20PATRA-512.pdf

- Joyjit Patra1, Himadri Nath Moulick2, Arun Manna3 "Biomedical Image Processing with Morphology and Segmentation Methods for Medical Image Analysis" paper has published in American Journal of Engineering Research (AJER) e-ISSN: 2320-0847 p-ISSN: 2320-0936., Volume2, Issue7 (July, 2013).

https://scholar.google.co.in/scholar?q=Biomedical+Image+Processing+with+Morphology+and+Segmentation+Methods+for+Medical+Image+Analysis&hl=en&as_sdt=0&as_vis=1&oi=scholart

- Himadri Nath Moulick1, Joyjit Patra2, Arun Manna3 "Type two Fuzzy sets for modeling and classifying N on-Stationary system with application with Brain computer interfacing" paper

  has published in International Journal of Scientific and Engineering Research (IJSER) volume 4, Issue 7, July 2013 edition (ISSN 2229-5518).
  https://www.ijser.org/paper/Type-2-Fuzzy-Sets-for-Modeling-and-Classifying-Non-stationary-Systems-with-Application-in-Brain-Computer-Interfacing.html

- Sujoy Bhowmick1, Himadri nath Moulick2, Joyjit Patra3 "Eye Detection Morphological and Magnetic Field Map ping with Digital Image Processing" paper has published in The International Journal of Science & Technology (IJST) ISSN 2321 – 919X, Vol 1 Issue 2.

https://www.academia.edu/8325468/Eye_Detection_Morphological_And_Magnetic_Field_Mapping_With_Digital_Image_Processing_Published_in_IJST

Conference:

- Joyjit Patra1, Sourav Bhattacharjee2, Saikat Maity3"Face Detection Using Type-2 Fuzzy logic" paper has been published in one of the most renowned National Conference named "ENGINEERING EDU CATION IN THE NEW CENTUR (E2NC-2011)" Jan 21, 2011 at SUPREME ENG.COLLEGE, Kolkata.
- Pritha Biswas1, Joyjit Patra2, Himadri Nath Moulick3"Image Processing & Sampling" paper has been published in one of the most renowned National conference named "Inter Engineering College Academic Meet" March 23, 2013 at Modern Institute of Engineering & Technology (MIET), Bandel, Hoogly, W.B.
- Joyjit Patra1, Saikat Maity2, Amitabha Biswas3"Biomedical Image Registration – A Comprehensive Re view" paper has been published in one of the most renowned international conference named "CONVERGENCE OF OPTICS AND ELECTRONICS (COE2011)" March 26-27, 2011 at Science city, Kolkata.
- Hemanta Ghosh1, Joyjit Patra2, Himadri Nath Moulick3 "Image Sampling through Fuzzy Logic (ISFL)" paper has been published in one of the most renowned International conference named "ICCS2013" sept 20-22, 2013, at Burdwan University.

Book:
NA

Book Chapter:
NA

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

B. Tech projects

Invited Lectures:
NA

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

- One-day Workshop on "**Augmented & Virtual Reality – Applications & Demo**" Organized by Department of Computer Science & Engineering, Dr. B. C. Roy College of Engineering, Durgapur, West Bengal in association with PANTECH E LEARNING.
- One-day Webinar on "**Journey from Vacuum Tube to Carbon Nanotube**" organized by R&D Cell, Dr. B. C. Roy Engineering College, Durgapur on February 27, 2021.
- National Webinar on **"Emerging Applications of Radiation in Nanotechnology"** held on 26th February, 2021. organized by R&D Cell, Dr. B. C. Roy Engineering College, Durgapur.
- National Webinar On "**UNCERTAINTY BASED OPTIMIZATION AND APPLICATION ON PANDEMIC ANALYTICS WITH COVID-19 DATA**" Organized by Dr. B. C. Roy Engineering College, Durgapur, Department of Basic Science and Humanities (Mathematics) on 23rd April, 2021.
- Workshop on **"Nanotechnology: New opportunities and challenges."**
- Seminar on **"Cooperative system for Next Generation Networks."**
- One-day Webinar on "**Cryptocurrency: Redefining the future of Finance**" organized by department of CSE, JIS College of Engineering, on 14th December,2020.
- National Webinar on "**Industry Needs from Academia**" organised by CSI Student Chapter, JIS College of Engineering, West Bengal in association with Computer Society of India Kolkata Chapter on 20th October, 2020.
- National Webinar on "**Spatio Temporal Fusion using Deep Network**" organised by CSI Student Chapter, JIS College of Engineering, West Bengal in association with Computer Society of India Kolkata Chapter on 22nd May, 2021.
- National Webinar on **"Data Augmentation for time Series Forecasting"** organised by JIS College of Engineering, West Bengal, Kolkata 1st April, 2021.
- One-day Webinar on **"SQL server High Availability Disaster Recovery Azure Data warehouse"** organized by department of CSE, JIS College of Engineering, on 17th July, 2021.
- One-day Webinar on **"R & D opportunities in the country-A case study on Microwave Tubes"** organized by R&D Cell, Dr. B. C. Roy Engineering College, Durgapur, on 30th January,2021.
- 2 days workshop on IEEE MTT-S women in Microwave Virtual colloquium on "Recent Trends, Techniques and career opportunities on Microwave Millimetre-wave Technologies, Antennas and Applications by IEEE MTT-S Kerala chapter, on 17th & 18th July,2021.
- One-day Webinar on **"Innovations and Intellectual property protection"** on 28th January,2021 organized by R&D Cell, Dr. B. C. Roy Engineering College, Durgapur.

- One-day Webinar on **"Implementation of NEP 2020 with a Focus on R & D and Innovation"** 17th April 2021, Institute Quality Assurance Cell, B.P. Poddar Institute of Management & Technology.
- One-day Webinar on **"How to write an Effective Research Paper"** organized by IEE Student branch and R&D Cell, Dr. B. C. Roy Engineering College, Durgapur. On 16th April,2021.
- One-day Webinar on "Distinguish Microwave Lecture" by Dr. Ho-Jin Song, conducted by IEEE MTT-S Kerala chapter, on 30th April,2021.
- One-day Webinar on **"Recent Development of Advanced Antenna Products for Space & Ground Applications"** by Dr. Sudhakar Rao, conducted by IEEE MTT-S Kerala chapter, on 28th May,2021.
- One-day Webinar on **"Recent Development of Science of Metamaterials and Navigating the Metamaterials Landscape"** by Prof. Ashwin K. Iyar, conducted by IEEE MTT-S Kerala chapter, on 21st May,2021.

Participation in faculty development programmes

- 5 days online FDP on the theme **"Inculcating Universal Human Values in Technical Education"** organized by All India Council for Technical Education (AICTE) from 4 October, 2021 to 8 October, 2021
- 5 days online International Faculty Development Program on **"Advances in Technologies, evolving new dimensions in e-society"** organized by dept. of CSE, JIS College of Engineering, WB from 2nd-6th Sept.2020.
- 5 days online Faculty Development Program on **"Advancement of Intelligent System and Computation"** organized by dept. of CSE, JIS College of Engineering, WB from 20th -24th April,2021.
- 10 days online Faculty Development Program titled **"Network and Cyber Security"**, from 12th January,2021 to 22nd January,2021, organized by the Department of Cyber Science & Technology, Brainware University.
- 5 days online FDP on "**3D Printing and Design**" organized by Dr. B. C. Roy Engineering College, Durgapur. (17.08.2021-21.08.2021)
- National Level 5 days online Faculty Development Programme on" **LaTeX** " From 4th May, 2020 to 8th May, 2020 Organized by School of Computer Science & Engineering Poornima University, Jaipur, INDIA In Association with Spoken Tutorial, Indian Institute of Technology, Bombay, INDIA
- 1day online Faculty Development Program on "**Industrial Research in IOT" organized by TCS.**
- 5 days online Faculty Development Program on **"Research applications in Artificial Intelligence and Machine Learning"** organized by dept. of CSE, Haldia Institute of Technology, WB, from 6th – 10th Sept.,2021.
- 5 days online Faculty Development Program on **"Foundation for innovation in Interdisciplinary Cyber Physical System"** organized by dept. of CSE, Haldia Institute of Technology, WB, from 26th – 30th April,2021.
- 5 days online FDP on "**Modern Applications of Artificial Intelligence and Learning in Hardware and Software**" organized by Dr. B. C. Roy Engineering College, Durgapur, from 14th to18th September,2021

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

NA

Participation in administrative committees (selected)
Co-ordinator in Examination Cell.

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

NA

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

NA