Vidwan-ID: 193467

Name: Prasanta Majumdar

Department: Computer Science & Engineering

Contact Nos.: (+91) 9475942690

Qualifications: PhD

Designation: Asst. Professor

Experience (Teaching / Research / Industry, in years): 18 years (Teaching)

Date of Joining at the Present Institution: 07/09/2005

Examinations Cleared: NET-CSIR/GATE: GATE-2005

Qualifications Summary (Reverse chronological order):

Degree	Institute	From – To	Subjects
M. Tech	University of Kalyani	2006-2008	CSE
B. E	NIT Durgapur	1998-2002	CSE
Ph D	NIT Durgapur	2016-2020	CSE

Experience Summary (In chronological order):
Designation, Organization, Date From – Date To

Asst. Professor Dr. B. C. Roy Engineering College Durgapur. Sep, 2005- Continuing

Lecturer	Bengal College of Engg. & Technology.	Jan, 2005- Aug, 2005
Lecturer	RICIS Raniganj	April, 2004- Dec, 2004
Lecturer	Sikkim Manipal University.	Jun, 2002- March, 2004

Specialization/Research Interest:
Data structure, Operating System, Formal language and Automata Theory, Compiler Design, Algorithm Analysis, Traffic Grooming in Optical fibre networking.Awards & Recognitions

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

Got distinction for being first class first in M Tech examinatio at The University of Kalyani.

Courses taught:

B.Tech: Specify the name of the subject/s (Theory first and then practical):
Data Structure and Lab, C programming language and Lab, Operating System and System Software, Database Management System, Formal language and automata theory, Compiler Design, Numerical Methods.

M.Tech: System programming and operating systems

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)

Publications:

Journal:

- **P. Majumdar**, A. Pal, T. De: Extending light-trail into elastic optical networks for dynamic traffic grooming, Journal of Optical Switching and Networking, 20 (2015) 1-15. DOI: 10.1016/j.osn.2015.10.005 **(SCI, Impact Factor 2019: 2.786)**

- **P. Majumdar**, T. De: De-multiplexing the required spectrum in a traffic demand into multiple non-adjacent granular spectrums for dynamic traffic grooming in EON, Journal of Optical Switching and Networking, 33 (2019) 143-160. DOI: 10.1016/j.osn.2018.04.001 **(SCI, Impact Factor 2019: 2.786)**

- **P. Majumdar**, T. De: An alternative minimum cost route setup algorithm in a large eon for long-haul traffic under dynamic traffic grooming, Journal of Network and Computer Applications, 140 (2019) 65-86. DOI: 10.1016/j.jnca.2019.04.016, **(SCI, Impact Factor 2019: 6.281)**

- **P. Majumdar,** T. De: A non-backtracking spectrum allocation algorithm in a large under dynamic traffic grooming, Journal of Computer Networks, 24 Dec 2020 **(SCI, Impact Factor 2019: 4.474)**

Conference:
- **P. Majumdar**, T. De: An algorithm based on next shortest path in large EON under dynamic traffic grooming, International Conference on Computing Analytics and

Networking, In: Proceeding of Advances in Intelligent Systems and Computing (AISC) Series, Pages:213-224, Springer (Dec 14-15, 2019), DOI: 10.1007/978-981-15-2414-1_22

• **P. Majumdar**, T. De: A distance-based adaptive traffic grooming algorithm in large EON under dynamic traffic model, International Conference on Computing Analytics and Networking, In: Proceeding of Advances in Intelligent Systems and Computing (AISC) Series, Pages:225-236, Springer (Dec 14-15, 2019), DOI: 10.1007/978-981-15-2414-1_23

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)

Ex: 3. Opperman, **I., Hamalainen**, M., Iinatti, J. "UWB theory and applications" (John Wiley and Sons, 2004) , Print ISBN 978-981-13-3121-3, Online ISBN 978-981-13-3122-0

Book Chapter:

Name of the author /s **(Make bold font for own name)** "Title of the Chapter", "Page no. of the Chapter", "Title of the Book", "Name of the Publisher", Year of Publication. ISBN Number (Print / Online)

Ex: 4. Opperman, I., Hamalainen, M., Iinatti, J. "Abc xyz" pp. 123-127 "UWB theory and applications" (John Wiley and Sons, 2004), Print ISBN 978-981-13-3121-3, Online ISBN 978-981-13-3122-0

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

For Ph.D

1. **Name of the student, Name of the supervisor, " Title of the thesis", Year , Name of the university (completed)**
2. **Name of the student, Name of the supervisor, " Title of the thesis", Year, Name of the university (Registered)**

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 and Thesis for M.Tech)**

Invited Lectures:
Topic of the lecture, Name of the event, organized by, Date

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

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

Participation in faculty development programmes

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

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

Name of the event, Date, Year

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

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

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