

Name: Ms Sukarna Dey Mondal

Department: Basic Science & Humanities (Mathematics)

Contact Nos.: 9933050989

Qualifications: MSc. in Applied Mathematics

Designation: Assistant Professor

VIDWAN ID: 187665

**Experience (Teaching / Research / Industry, in years): Teaching - 11 years, Research - 6 years,
Industry - Nil**

Date of Joining at the Present Institution: 19th July, 2011

Examinations Cleared: NET-CSIR/GATE - NA

Qualifications Summary (Reverse chronological order):

<u>Degree</u>	<u>Institute</u>	<u>From - To</u>	<u>Subjects</u>
MSc.	The University Of Burdwan	2007-2009	Applied Mathematics
BSc.	The University Of Burdwan	2004-2007	Mathematics (Honours)
WBCHSE	A.V.B High School	2002-2004	Pure Science
WBBSE	Durgapur Girls' High School	2000-2002	Bengali, English, Mathematics, Physical Science, Life Science, History, Geography, Biology

Experience Summary (In chronological order):

Designation Organization Date From - Date To



Lecturer **Bengal College of Engineering 29th January 2010 - 17th July 2011**
And Technology for Women

Specialization/Research Interest: Operation Research

Awards & Recognitions

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

Courses taught: B.Tech

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

Theory

- 1) Mathematics I (M101) (old)
- 2) Mathematics II (M201) (old)
- 3) Mathematics III (M302) (old)
- 4) Mathematics III (M402) (old)
- 5) Mathematics IV (M401) (old)
- 6) Numerical Methods (MCS 301)(old)
- 7) Numerical Methods (MCS 401)(old)
- 8) Mathematics IA (BS - M101)
- 9) Mathematics IB (BS - M102)
- 10) Mathematics IIA (BS - M201)
- 11) Mathematics IIB (BS - M202)
- 12) Mathematics III (BS - M301)
- 13) Numerical Methods (BS - M401)
- 14) Numerical Methods (OEC-IT-601A)

Practical

Numerical Methods Lab (MCS 391) (old)

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

Online Mode of Teaching: Lecture Notes PDF sent through email,
Assessment by Assignment, Class Test via Google Form.

Publications:

Journal:

1. **Sukarna Dey Mondal**, Dipendra Nath Ghosh, Pabitra Kumar Dey “Prediction of NAAC Grades for Affiliated Institute with the help of Statistical Multi Criteria Decision Analysis” International Journal of Engineering and Applied Physics (IJEAP)Vol. 1, No. 2, May 2021, pp. 116~126ISSN: 2737-8071.

Link: <https://www.ijeap.org/ijeap/article/view/24>

2. **Sukarna Dey Mondal**, Dipendra Nath Ghosh “Comparative Evaluation of Students’ Performance in Campus Recruitment of a Technical Institution through Fuzzy-MCDM Techniques”, International Journal of Computer Sciences and Engineering, Jan 2019, Vol. 7, Special Issue.1, E-ISSN: 2347-2693
DOI: [10.26438/ijcse](https://doi.org/10.26438/ijcse)
Link: https://www.ijcseonline.org/full_spl_paper_view.php?paper_id=624
Link of the recognition in UGC enlistment of the Journal:
<https://www.ijcseonline.org/IJCSEUGCJournalno.pdf>
3. **Sukarna Dey**, Dipendra Nath Ghosh “An Integrated Approach of Multi-Criteria Group Decision Making Techniques to Evaluate the overall Performance of Teachers”, International Journal of Advanced Research Computer Science, 2016, Volume 7 Issue 5 (September-October) Year 2016, ISSN No.-0976-5697
DOI: [10.26483/ijarcs](https://doi.org/10.26483/ijarcs)
Link: <http://ijarcs.info/index.php/Ijarcs/article/view/2722>
4. **Sukarna Dey**, Dipendra Nath Ghosh “Non Teaching Staff Performance Analysis Using Multi Criteria Group Decision Making Approach”, International Journal of Education and Learning, 2015, Vol.4, No.2 (2015), pp. 35-50, ISSN: 2234-8034 IJEL
DOI: <http://dx.doi.org/10.14257/ijel.2015.4.2.05>
Link: http://article.nadiapub.com/IJEL/vol4_no2/5.pdf

Conference:

1. **Sukarna Dey Mondal**, Dipendra Nath Ghosh, Pabitra Kumar Dey “Prediction of NAAC Grades for Affiliated Institute with the help of Statistical Multi Criteria Decision Analysis” National Conference on Recent Trends in IOT, Machine Learning, Artificial Intelligence and its applications (NCRIMA 2021) Organized by Department of ECE, Sagar Institute of Research and Technology, dated on 7th May 2021.
2. **Sukarna Dey Mondal**, Dipendra Nath Ghosh “Comparative Evaluation of Students’ Performance in Campus Recruitment of a Technical Institution through Fuzzy-MCDM Techniques”, 1st International Conference on Innovations in Computer Science (ICICS-2018), 21st - 22nd December, 2018, International Conference, International Journal of Computer Sciences and Engineering, E-ISSN: 2347-2693
Link: http://www.buruniv.ac.in/Notices/COMPSC_20181164_NOT_WEBPAGE.pdf

Book: NA

Book Chapter: NA

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

Invited Lectures:

Multi-Criteria Decision-Making Models and Applications, National Webinar on Multi-Criteria Decision Making Models and Applications (MCDMA 2021), organized by Durgapur Chapter of Operational Research Society of India, Sunday, September 26, 2021, 2:30 – 5:30pm.

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

1. One-day National webinar on “Optimization Through Real Life Application & Implementation” 25th July 2021, organized Durgapur Chapter of Operational Research Society of India.
2. Webinar on “Imagination, Innovation & Creativity among the young minds”, 24th July 2021, organized by IQAC, Goalpara College, Goalpara.
3. National Conference on “Recent Trends in IOT, Machine Learning, Artificial Intelligence and its applications (NCRIMA 2021)”, 7th May 2021, organized by Department of ECE, Sagar Institute of Research and Technology.
4. One-day National webinar on “Indexing & Referencing of Journal in Research (WIRJR-2021)”, 7th March 2021, organized Durgapur Chapter of Operational Research Society of India.
5. Webinar on “IMPACT OF ENGINEERING AND ELECTRONICS IN HEALTHCARE INDUSTRY”, 29th August 2020, organized by Sri Eshwar College of Engineering, COIMBATORE, INDIA [An Autonomous Institution, affiliated to Anna University, Chennai].
6. One-week virtual workshop “Role of Innovations in Teaching & Research RITR-2k20”, 20-26 August, 2020 Organized by Dadi Institute of Engineering & Technology.
7. Webinar on “Starting a Business Post pandemic-A Psychological Perspective” 17th August 2020, organized by Department of BBA, K. L. E. Society’s Degree College, Nagarabhavi , Bangalore-72.
8. Webinar on “Study Engineering with Learn By Doing Practices”, 14th August 2020, organized by Sri Eshwar College of Engineering, COIMBATORE, INDIA [An Autonomous Institution, affiliated to Anna University, Chennai].
9. Webinar on “Enhancing Customer Experience using AI”, 13th August 2020, organized by Sri Eshwar College of Engineering, COIMBATORE, INDIA [An Autonomous Institution, affiliated to Anna University, Chennai].
10. National webinar on “BE THE CHANGE IN YOU”, 8th August 2020, Organized by The Internal Compliance Cell of Stella Mary’s College of Engineering, Aruthenganvilai, Kallukatti Junction, Azhikal Post, Kanyakumari Distict- 629202, Tamil Nadu, India. (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai).
11. International Webinar on “Emotional First Aid to Reduce Performance Anxiety”, 28th July 2020, organized by Dr. B.C. Roy Polytechnic in joint collaboration with Skillfinity, Guwahati.
12. Webinar on “ENGINEERING OPTIMIZATION- METHODS AND APPLICATION” 27th July 2022, organized by Sri Eshwar College of Engineering, COIMBATORE, INDIA [An Autonomous Institution, affiliated to Anna University, Chennai].

13. One-week virtual workshop “Role of Internet of Things in Startup India Mission RIOTSIM-2K20”, 20-25 July, 2020 Organized by Dadi Institute of Engineering & Technology.
14. International Webinar on “Numerical Modeling Applications in Dynamics And Solid Mechanics” on 17th July, 2020.
15. International Webinar on “Scope of Research Post Covid-19” on 17th July, 2020, Organized by Dr. B.C. Roy Polytechnic, Durgapur.
16. Webinar on “Energy and Environment” on 16th July, 2020 Organized by Sri Eshwar College of Engineering, Coimbatore.
17. One day seminar on “Enterprise Architecture and Its Security”, 21st January 2020, organized by Dr. B.C. Roy Engineering College, Durgapur.
18. International Conference on “Innovations in Computer Science (ICICS-2018)”, 21st - 22nd December, 2018, organized by Department of Computer Science, The University of Burdwan.
19. Seminar on “Fuzzy Set Theory and Applications”, 30th November-2nd December 2017, organized by Department of Mathematics, National Institute of Technology, Durgapur.
20. Seminar on “Advances in Nano-Satellite Technology”, 4th November 2015, organized by Dr. B.C. Roy Engineering College, Durgapur.
21. National seminar on “Technology, Science & Society: Redefining global Challenges”, 12th March 2015, organized by The New Horizons Institute of Technology, Durgapur.
22. Technical Workshop on “Recent Trends in Machine Intelligence Data Mining and Soft Computing Techniques and Its Impact on Research and Development”, 23rd -24th November 2013, organized by Dr. B.C. Roy Engineering College, Durgapur.

Participation in faculty development programmes:

1. Five Days One Week Online Faculty Development Program on “Inculcating Universal Human Values in Technical Education”, 2-6 August 2021, organized by All India Council for Technical Education (AICTE).
2. Short Term Development Program on “Mentoring Pedagogy and Teaching Higher Education” 6-8th June 2021, organised by Dr. B.C. Roy Engineering College, Durgapur.
3. One Week International Faculty Development Program on “Emerging Trends & Technologies in Data Science” Organized by Department of Computer Science and Engineering, GMR Institute of Technology, Rajam, Andhra Pradesh during 24th August-29th August 2020.

4. Five Days One Week Online Faculty Development Program on “Role of Mathematics in Engineering Disciplines” organized by Department of Science and Humanities of Stella Mary’s College of Engineering from 3rd August to 7th August 2020.
5. One Week Online Faculty Development Program on “Higher Education 2020: Requirements and Expectations” Organized by Internal Quality Assurance Cell (IQAC), TPCT’s College of Engineering, Osmanabad from 8th July to 12th July, 2020.

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

Participation in administrative committees (selected)

1. Faculty and Staff Coordinators, Cultural Programme, 2019.
2. Reception, Committee for Programme on 12th February, 2019.
3. Selection Committee, Best Student Awards for the Pass-Out Batch of 2020, 19th September 2019.
4. Hall Management, Workshop on Digital Evaluation, 3rd December 2019.
5. Reception, Awareness Programme Schedule On Increasing Cyber Crime & Awareness Programme On Safe Drive & Save Life, 4th February 2020.
6. Core-Committee, β -version of Computerized Web Based Management System (β -CWMS), 6th February 2020.
7. Faculty and Staff Coordinators, Cultural Programme, 13th February 2020.

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

1. **Membership of professional bodies: IEEE, IETE, IEL, CSI, MGMI etc.:** Operational Research Society of India, Durgapur Chapter.