# DR. PABITRA KUMAR DEY

Associate Professor & HOD

Department of Computer Applications

Dr. B. C. Roy Engineering College, Durgapur

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**Qualifications:** Ph.D. From University of Burdwan,

M.Tech.(CST) (1<sup>st</sup> Class) From West Bengal University of Technology, MCA (1<sup>st</sup> Class) From National Institute of Technology, Durgapur.

**Designation:** Associate Professor & HOD

VIDWAN Id: 187425

**Experiences:** Teaching Experience 17+ years.

Research Experience 13+ years.

Date of Joining at BCREC: 10<sup>th</sup> August 2007

**Examinations Cleared: GATE-2008** 

### **Educational Qualifications:**

Awarded **Ph.D.** (Computer Science) from University of Burdwan in the year 2018.

- ➤ Passed M.Tech.(CST) from West Bengal University of Technology in the year 2011 in 1<sup>st</sup> Class with DGPA 9.44.
- ➤ Passed M.C.A. from National Institute of Technology, Durgapur in the year 2004 in 1<sup>st</sup> Class with 80.12% of marks.
- ➤ Passed **B.Sc.** (Math Hons.) from T.D.B.College of The University of Burdwan in the year 2000 in 1<sup>st</sup> Class with 60.125% of marks.
- ➤ Passed **Higher Secondary** from Raniganj High School of W.B.C.H.S.E. in the year 1996 in 1<sup>st</sup> Division with **68.40%** of marks.
- ➤ Passed Madhyamik Pariksha from Raniganj High School of W.B.B.S.E. in the year 1994 in 1<sup>st</sup> Division with 69.44% of marks.

## **Work Experiences:**

- ➤ Working as an **Associate Professor & HOD** in Department of Computer Applications (MCA) of Dr. B. C. Roy Engineering College, Durgapur from 1<sup>st</sup> November 2021.
- ➤ Worked as an **Asst. Professor** (**Grade III**) & **HOD** in Department of Computer Applications (MCA) of Dr. B. C. Roy Engineering College, Durgapur from 19<sup>th</sup> February 2020 to 31<sup>st</sup> October 2021.
- ➤ Worked as an Asst. Professor (Grade III) in Department of Computer Applications (MCA) of Dr. B. C. Roy Engineering College, Durgapur from January 2020 to 18<sup>th</sup> February 2020.

- ➤ Worked as an **Asst. Professor** (**Grade II**) in Department of Computer Applications (MCA) of Dr. B. C. Roy Engineering College, Durgapur from July 2010 to December 2019.
- ➤ Worked as a **Senior Lecturer** in Department of Computer Applications (MCA) of Dr. B. C. Roy Engineering College, Durgapur from July 2009 to June 2010.
- ➤ Worked as a **Lecturer** in Department of Computer Applications (MCA) of Dr. B. C. Roy Engineering College, Durgapur from 10<sup>th</sup> August 2007 to June 2009.
- ➤ Worked as a **Visiting Lecturer** in MCA Dept. of National Institute of Technology, Durgapur from February 2006 to January 2008.
- ➤ Worked as a **Lecturer** in BCA Dept. of Raniganj institute of Computer and Information Sciences (RICIS), Raniganj affiliated by The University of Burdwan. From 1<sup>st</sup> December 2004 to 9<sup>th</sup> August 2007.
- ➤ Worked as a **Faculty** in Gyan Bharti School, Raniganj of CBSE Board for H.S. students from 1<sup>st</sup> January 2004 to 31<sup>st</sup> March 2004.

## **Specialization/Research Interest:**

- ➤ Machine Learning
- ➤ Soft Computing and Data Science
- ➤ Multi Criteria Decision Analysis
- ➤ Big Data Analysis
- > Expert System
- > Database Management System

## Awards & Recognition:

- ➤ M.Tech. (CST) 1st Class 1st in WBUT.
- Awarded as "Enthusiastic teacher-2021" from Nikhil Bharat Shiksha Parishad in 2021.
- Received "Certificate of Achievement in Research Excellence" from All India Applied Information Technology Development Association in 2021.
- **Reviewed 4 research papers** in ICCSIT-2011 conference powered by IEEE.
- **Reviewed 6 research papers** in ICCIA-2011 conference.

### **Courses taught:**

### In MCA

- Design Analysis and Algorithm
- Database Management System
- ➤ Theory of Computer Application
- > Operation Research and Optimization Technique
- Computer Organization and Architecture
- ➤ Discrete Mathematical Structure
- > Data Structures with C
- Database Management System-I
- ➤ Object Oriented Programming with C++
- > Statistical and Numerical Systems
- ➤ Graphics and Multimedia
- ➤ Operating Research and Optimization Techniques
- ➤ DBMS II
- > Image Processing
- Computer Organization and Architecture Lab
- > Data Structures with C Lab
- Database Management System-I Lab

- ➤ Object Oriented Programming with C++ Lab
- > Statistical and Numerical Systems Lab
- Graphics and Multimedia Lab
- > DBMS II Lab

### In B.Tech.

- > Numerical and Statistical Analysis
- Numerical and Statistical Analysis Lab

#### In BCA

- Digital Logic
- ➤ C Programming
- Database Management System
- ➤ Data Structure

## **Online Mode of teaching:**

- ❖ Video lecture (recorded and sent to the students).
- ❖ PPT lecture (very lucid manner and introduce large number of animations for better understand)
- ❖ Google Meet (Taking online live classes)
- ❖ Team Viewer (Access the student's computer remotely to teach lab program)
- ❖ Lecture notes provide the students in pdf format, docx format.
- ❖ Use of Google form for their test and assignment.

### **Recorded Video Lecture (Sample)**

- https://youtu.be/rVEUt0e5NJo
- https://youtu.be/FfuYGMt3oYY
- https://youtu.be/Xg6mW8hmijU
- https://youtu.be/klkaQEXryvU
- https://drive.google.com/file/d/190qYWwmvvRoOeds5pP\_TpYut-Dgl879k/view?usp=sharing
- https://drive.google.com/file/d/16XVq\_AmsFxfC2YejgrdlnKF8lfiRO7Jf/view?usp=sharing
- https://drive.google.com/file/d/1AU0aVjG1fezrwIUP7aTClCQsrrLJA8n9/view?usp=sharin g

### **Power point Presentation (Sample)**

- https://docs.google.com/presentation/d/1A\_roTKLlfgnbkDL9X\_sGUsmDtDbXN06Z/edit?usp=sharing&ouid=106317927904827702180&rtpof=true&sd=true
- https://docs.google.com/presentation/d/1ZqutXHG504R28koOYEGKDQUbKa92Up3-/edit?usp=sharing&ouid=106317927904827702180&rtpof=true&sd=true
- https://docs.google.com/presentation/d/1EgLuQWn\_Wi0P2YOoHIDvAAoigCduF94Z/edit?usp=sharing&ouid=106317927904827702180&rtpof=true&sd=true
- https://docs.google.com/presentation/d/1rxPjVSLwdfsxJWyIUrkxfgguGceo8ysM/edit?usp=sharing&ouid=106317927904827702180&rtpof=true&sd=true

### **Lecture Notes (Sample)**

- https://drive.google.com/file/d/1n9hPhJd\_NQPzNWqlt-yQRMjzMPVmiqJg/view?usp=sharing
- https://drive.google.com/file/d/1TDOHINustwxXZBAgFIYckP79R8fKPGmM/view?usp=s haring
- ➤ <a href="https://drive.google.com/file/d/1mqiqGCV\_YXap33sbZUcB9kMl0UQbW1Bw/view?usp=s">https://drive.google.com/file/d/1mqiqGCV\_YXap33sbZUcB9kMl0UQbW1Bw/view?usp=s</a> <a href="https://drive.google.com/file/d/1mqiqGCV\_YXap3asbZUcB9kMl0UQbw1Bw/view?usp=s</a> <a href="https://drive.google.com/file/d/1mqiqGCV\_YXap3asbZUcB9kMl0UQbw1Bw/view?usp=s</a> <a href="https://drive.google.com/file/d/1mqiqGCV\_YXap3asbZUcB9kMl0UQbw1Bw/view?usp=s</a> <a href="https://drive.google.com/file/d/1mqiqGCV\_YXap3asbZUcB9kMl0UQbw1Bw/view.google.com/fi
- https://drive.google.com/file/d/1Nw3FHUZzm5ApuElM15qOU4KNP5byeFT3/view?usp=s haring

### List of Research Papers and Publications:-

- ➤ Total No. of International Journal 14
- ➤ Total No. of National Journal 02
- ➤ Total No. of International Conference 05
- ➤ Total No. of National Conference 02

### Journal:

- Sukarna Dey Mondal, Dipendra Nath Ghosh and Pabitra Kumar Dey, "Prediction of NAAC Grades for Affiliated Institute with the help of Statistical Multi Criteria Decision Analysis", in International Journal of Engineering and Applied Physics (IJEAP), Vol. 1, No. 2, May 2021, pp. 116-126, ISSN: 2737-8071.
- Pabitra Kumar Dey, Dipendra Nath Ghosh and Abhoy Chand Mondal, "IPL Team Performance Analysis: A Multi-Criteria Group Decision Approach in Fuzzy Environment", in International Journal of Information Technology and Computer Science (IJITCS-MECS), ISSN (Print): 2074-9007, ISSN (Online): 2074-9015, Vol.7, No.8, July- 2015, pp. 8-15. DOI: 10.5815/ijitcs.2015.08.02. (http://www.mecs-press.org/)
- ▶ Pabitra Kumar Dey, Abhijit Banerjee, Dipendra Nath Ghosh and Abhoy Chand Mondal, "AHP-Neural Network Based Player Price Estimation in IPL", in International Journal of Hybrid Information Technology (IJHIT-SERSC), ISSN: 1738-9968, Vol.7, No.3, May- 2014, pp.15-24. <a href="http://dx.doi.org/10.14257/ijhit.2014.7.3.03">http://dx.doi.org/10.14257/ijhit.2014.7.3.03</a>
  - https://www.scopus.com/sourceid/21100853982
- ▶ Pabitra Kumar Dey, Dipendra Nath Ghosh and Abhoy Chand Mondal, "Modified Group Decision Algorithm for Performance Appraisal of Indian Premier League Cricketers", accepted and will be published in WSEAS Transactions on Information Science and Applications (WSEAS), E-ISSN: 2224-3402, Issue 10, Volume 10, October 2013. <a href="http://wseas.org/wseas/cms.action?id=6944">http://wseas.org/wseas/cms.action?id=6944</a> [Scopus]
- Pabitra Kumar Dey, Abhoy Chand Mondal, "Compute Attributes Contribution for Player Pricing in IPL", in Annals of Pure and Applied Mathematics (APPM), ISSN: 2279-087X (P), 2279-0888(online), Vol. 5, No.1, 2013, 11-16, Published on 13 November 2013 http://www.researchmathsci.org/APAMtoc.html
- Pabitra Kumar Dey, Dipendra Nath Ghosh and Abhoy Chand Mondal, "Multi-Criteria Decision Tree Approach to Classify All-rounder in Indian Premier League", in International Journal of Advanced Science and Technology (IJAST), ISSN: 2005-4238, Vol. 52, Pp:93-100, <a href="http://article.nadiapub.com/IJAST/vol52/8.pdf">http://article.nadiapub.com/IJAST/vol52/8.pdf</a>
  <a href="https://www.scopus.com/sourceid/21100829147">https://www.scopus.com/sourceid/21100829147</a>
- Pabitra Kumar Dey, Gangotri Chakraborty and Suvobrata Sarkar, "Cluster Detection Analysis Using Fuzzy Relational Database", in International Journal of Information and Electronics Engineering (IJIEE), ISSN: 2010-3719, Vol. 3 No.2, pp-233-236. <a href="http://www.ijiee.org">http://www.ijiee.org</a> DOI: 10.7763/IJIEE.2013.V3.306
- ▶ Pabitra Kumar Dey, Dipendra Nath Ghosh and Abhoy Chand Mondal, "Statistical Based Multi-Criteria Decision Making Analysis for Performance Measurement of Batsmen in Indian Premier League", in International Journal of Advanced Research in Computer Science (IJARCS), ISSN 0976-5697, Volume 3 No. 4 (July-August 2012), pp- 51-57. http://www.ijarcs.info DOI: https://doi.org/10.26483/ijarcs.v3i4.1295
- ➤ Pabitra Kumar Dey "Fuzzy Clustering Technique in IPL database", in International Journal of Advanced Computer Science (IJACS), ISSN: 2251-6379, Vol.-2, No.-7 (July, 2012), Pp.-259-262.

- ➤ Pabitra Kumar Dey, Gangotri Chakraborty, Purnendu Ruj and Suvobrata Sarkar, "A Data Mining Approach on Cluster Analysis of IPL", in International Journal of Machine Learning and Computing (IJMLC) ISSN: 2010-3700, Vol.2, No.4, August 2012, pp- 351 354. <a href="http://www.ijmlc.org">http://www.ijmlc.org</a>, DOI:10.7763/IJMLC.2012.V2.143
- ➤ Pabitra Kumar Dey, Saindhab Chattaraj and Dipendra Nath Ghosh, "Faculty Selection in Engineering Organization Using AHP & TOPSIS", in International Journal of Information and Computing Science (IJICS), ISSN 0972-1347, Vol-15, No-1, pp- 6- 15.
- Sonu Rana, Pabitra Kumar Dey and DipendraNath Ghosh, "Best Engineering College Selection Through Fuzzy Multi-Criteria Decision Making Approach: A Case Study", in Universal Journal of Applied Computer Science and Technology (UNIASCIT), ISSN:2250-0987, Vol:2(2), 2012, 246-256. http://www.uniascit.in.
- ➤ Pabitra Kumar Dey, Dipendra Nath Ghosh and Abhoy Chand Mondal, "A MCDM Approach for Evaluating Bowlers Performance in IPL", in Journal of Emerging Trends in Computing and Information Sciences, ISSN 2079-8407, Vol-2, No-11, November 2011, pp- 563- 573. http://www.cisjournal.org.
- ➤ Pabitra Kumar Dey and Dipendra Nath Ghosh, "Multi Criteria Fuzzy Classification of IPL3", in International Journal of Information and Computing Science (IJICS), ISSN 0972-1347, Vol-14, No-1, pp-43-52.
- Pabitra Kumar Dey and Partha Sarathi Goswami, "Cryptography In The Light Of Quantum Computing & Cellular Automata" in Journal "The Bulletin of Engineering and Science", Dr. B.C. Roy Engineering College, Durgapur, India, ISSN 0974-7176, Vol-3, No-2, pp- 33- 39.
- Partha Sarathi Goswami and Pabitra Kumar Dey, "Security Identification in Quantum Cryptosystem" in Journal "The Bulletin of Engineering and Science", Dr. B.C. Roy Engineering College, Durgapur, Vol-3, No-1, pp- 26-32.

### Conference

- ➤ Pabitra Kumar Dey, Gangotri Chakraborty, Purnendu Ruj and Suvobrata Sarkar, "A Data Mining Approach on Cluster Analysis of IPL", Inc. in IEEE Proc. of International Conference on Machine Learning and Computing (ICMLC-2011), Singapore, 2011, ISBN: 978-1-4244-9252-7, pp.45-49.
- ➤ Purnendu Ruj and Pabitra Kumar Dey, "Application of Decision Tree for Fuzzy Classifying in Educational Organization", Inc in Proc. of 1<sup>st</sup> International Conference on Emerging Trends in Soft Computing and ICT (SCICT-2011), Bilaspur, India, 16-17 March 2011, ISBN: 978-81-920913-3-4, pp. 59-62.
- ➤ Pabitra Kumar Dey, Gangotri Chakraborty and Suvobrata Sarkar, "Cluster Detection Analysis Using Fuzzy Relational Database", Inc. in IEEE Proc. of 3<sup>rd</sup> International Conference on Computer and Electrical Engineering (ICCEE-2010), Chengdu, China, 2010, ISBN: 978-1-4244-7244-6, pp.84-87.
- Pabitra Kumar Dey, Gangotri Chakraborty and Abhoy Chand Mondal, "Fuzzy Classification using Decision Tree Algorithms", Inc. in Proc. of 1<sup>st</sup> International Conference on Computing and Systems (ICCS-2010), Burdwan, India, 2010, ISBN: 93-80813-01-5, pp. 133-138.
- Sukarna Dey Mondal, Dipendra Nath Ghosh and Pabitra Kumar Dey, "Prediction of NAAC Grades for Affiliated Institute with the help of Statistical Multi Criteria Decision Analysis", Inc in Proc. of National Conference on Recent Trends in IOT, Machine Learning, Artificial Intelligence and its Applications (NCRIMA 2021), Vol:1, pp:15-25.
- Pabitra Kumar Dey, Partha Sarathi Goswami and Abhoy Chand Mondal, "Quantum Cryptography: Security Through Uncertainty", Inc. in Proc. of NACCS 2010, ISBN 819077417-4, pp. 86-90, 2010.

➤ Pabitra Kumar Dey, Partha Sarathi Goswami and Abhoy Chand Mondal, "Network Security by using Quantum Computing for the IT Industries", Inc. in Proc. of "16th State Science and Technology Congress: 28 February, 2009 – 01 March, 2009", pp- 49, 2009.

## Supervision of PhD/ MCA Projects:

### For PhD

Sukarna Dey Mondal, (MAKAUT Regn. No.:— PhD/Science/Math006/2018), "Performance Evaluation of Indian Education using Statistical and Fuzzy Based Multi-Criteria Decision Making Approach".

#### For MCA

- Asif Wasay (12001013010), Prof. Pabitra Kumar Dey, "WWW.THECHAKRI.COM", 2016.
- Achintya Gopal Mandal (12001013001), Nandita Patra (12001013026), Prof. Pabitra Kumar Dey, "ONLINE PAYROLL MANAGEMENT SYSTEM", 2016.
- ➤ Souptik Dhar (12001013048), Prof. Pabitra Kumar Dey, "ONLINE FLIGHT RESERVATION", 2016.
- Md. Merajul Haque (12001014015), Md. Shamshad Akhtar (12001014016), Prof. Pabitra Kumar Dey, "SHOPPERSHOP.COM", 2017.
- > Suvasree Bhattacharjee (12001015022), Prof. Pabitra Kumar Dey, "ONLINE BUS RESERVATION SERVICE", 2018.
- Bidisha Karmakar (12001016008), Pallabi Dutta (12001016007), Payel Rakshit (12001016006), Prof. Pabitra Kumar Dey, "ONLINE FOOD ORDERING SYSTEM (OFOS)", 2019.
- ➤ Kumkum Kumari (12001017027), Monideepa Paul (12001017010), Ambika Roy (12001017023), Prof. Pabitra Kumar Dey, "ONLINE COLLEGE YEARBOOK", 2020.
- Nidhi Muskan (12001018016), Aditi Priya (12001018034), Jaya Sharma (12001018021), Prof. Pabitra Kumar Dey, "Online Hostel Management System", 2020.
- ➤ Nidhi Muskan (12001018016), Aditi Priya (12001018034), Prof. Pabitra Kumar Dey, "Face Recognition based Attendance System", 2021.

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

- ➤ IEEE "National Conference on Emerging Trends on Sustainable Technology and Engineering Applications 2020 (IEEE-NCETSTEA-2020)", 7th 8th February, 2020, organized by Dr. B.C. Roy Engineering College, Durgapur and IEEE Kolkata Section.
- ➤ Workshop on Best Practices for Teaching Online, 04-07-2020, organized by ABP Education.
- ➤ Workshop on Easy Implementation of LMS in your Institutions, 25 & 26 July, 2020, organized by Skill to Hire.
- ➤ Workshop on DART Programming Language, 27-07-2020, organized by Brain-O-Vision and Dr. B.C. Roy Polytechnic Durgapur.
- Workshop on React JS, 5th 10th July, 2021, organized by Brain-O-Vision, ASC Degree College.
- Webinar on Internet of Things, 11-Jul-20, organized by BVICAM, New Delhi.
- ➤ Webinar on Scope of Research Post Covid-19, 17-Jul-20, organized by Dr. B.C. Roy Polytechnic Durgapur.

- ➤ Webinar on BlockChain Technological Perspective, 18-Jul-20, organized by BVICAM, New Delhi.
- ➤ Webinar on Women (and Men) In Leadership During Covid-19 Scenario: Best practices for Global Well-Being, 30-Jun-20, organized by AADMA.
- Webinar on Career Call: How to Know What to Choose, 14-Aug-20, organized by ABP Education.
- ➤ Webinar on Importance of Acquiring of Immunity through Physical Exercise to Combal Pandemic like Covid-19, 05-Aug-20, organized by Plassey College.
- ➤ Webinar on The Impact of Covid-19 on Microfinance and Entrepreneurship Development, 24-Jul-20, organized by AADMA.
- ➤ Webinar on Unleasing Data Science and AI, 08-Aug-20, organized by BVICAM, New Delhi.
- ➤ Webinar on Citation and Reference Management using Mendeley, 14-Aug-20, organized by BVICAM, New Delhi.
- ➤ Webinar on Simplifying IPR and Patent Filling, 24-Jul-20, organized by BVICAM, New Delhi.
- Webinar on Emotional First Aid to Reduce Performance Anxiety, 28-Jul-20, organized by Skillfinity & Dr. B.C. Roy Polytechnic Durgapur.
- ➤ Webinar on Emerging Application of Radiatiion in NanoTechnology, 26-Feb-21, organized by Dr. B.C. Roy Engineering College, Durgapur.
- ➤ Webinar on R & D Opportunities in the Country A case Study on Microwave Tubes, 30-Jan-21, organized by Dr. B.C. Roy Engineering College, Durgapur.
- ➤ Webinar on Innovations and Intellectual property protection, 28-Jan-21, organized by Dr. B.C. Roy Engineering College, Durgapur.
- Webinar on Introduction to Industrial Robotics and Automation , 27-May-21, organized by "Nawab Shah Alam Khan College of Engineering & Technology, IEEE student branch".
- ➤ Webinar on How to write an Effective Research Paper, 16-Apr-21, organized by "IEEE Student Branch, R & D Cell, Dr. B. C. Roy Engineering College".
- ➤ Webinar on Augmented & Virtual Reality Applications and Demo, 19 June, 2021, organized by Pantech e-Learning and Dr. B. C. Roy Engineering College.
- ➤ Webinar on Multi Criteria Decision Making Models and Applications (MCDMA 2021), 28 September, 2021, organized by ORSI, Durgapur Chapter.
- > Seminar on "Advances in Nano-Satellite Technology", 4th November, 2015, organized by Dr. B.C. Roy Engineering College, Durgapur.
- ➤ 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.
- ➤ One week Short Term Course on "Advanced Optimization Techniques (STCAOT 2013)", 13th 17th November, 2013, NIT Durgapur and presented a paper title "Compute Attribute Contribution for Player Pricing in IPL".
- ➤ Participated in the Tutorial Session in "International Conference on Optimization, Computing and Business Analytics", 19th December, 2012, organized by Operational Research Society of

India (ORSI).

- ➤ Paper present in "International Conference on Computing and Systems 2010 (ICCS-2010)", 19th 20th November, 2010, organized by Dept. of Computer Sc., Burdwan University.
- ➤ Paper present in "National Conference on Computing and Systems 2010 (NACCS-2010)", 29th January, 2010, organized by Dept. Of Computer Sc., Burdwan University.
- ➤ Paper present in "16th State Science and Technology Congress", 28<sup>th</sup> February 01<sup>st</sup> March, 2009, organized by West Bengal State Science and Technology Dept., WB.

### Participation in faculty development programs:

- ➤ Behavioural Remodelling with Mentoring Pedagogy and Need of Mental Health sessions for Classroom Delivery of Teachers, 08 12 January, 2020, "Dr. B.C. Roy Polytechnic Durgapur, EICT Academy, Guwahati", with duration 5 Days, Face-to-Face.
- ➤ Moodle Learning Management System, 21-Apr-20, IIT Bombay, BCREC, with duration 5Days, online.
- ➤ Modern Trends In Computer Science, 01 & 02 July, 2020, Dr. B.C. Roy Polytechnic Durgapur, with duration 2 Days, online.
- ➤ Higher Education 2020: Requirements & Expectations, 08 12 July, 2020, College Of Engineering, Osmanabad, with duration 5 Days, online.
- > Python and It's Application in Robotics, 26-Jun-20, TCS, BCREC, with duration 1 Day, online.
- ➤ Technologies for Social needs- Real Time Applications of AI, ML and Research Initiatives, 03 07 August, 2020, KITS & NERIST, with duration 5 Days, online.
- Advances in technologies, evolving new dimensions in e-societies, 02 06 September, 2020, JIS College of Engineering, with duration 5 Days, online.
- ➤ Network & Cyber Security, 12 22 January, 2021, Brainware University, with duration 10 Days, online.
- Artificial Intelligence using Python, 14 19 September, 2020, "Dr. B.C. Roy Polytechnic Durgapur, Brainovision Solution", with duration 6 Days, online.
- ➤ Programming, Data Structure and Algorithm using Python, September November, 2020, NPTEL-AICTE, with duration 8 Weeks, online.
- Foundations and Practical Aspects of Cyber Security, 15 -19 December, 2020, "ATAL & Dr. B.C. Roy Engineering College, Durgapur", with duration 5 Days, online.
- ➤ Mentoring Pedagogy and Teaching in Higher Education , 06-08 June, 2021, Dr. B.C. Roy Polytechnic Durgapur, with duration 3 Days, online.
- ➤ Multi Technology, 28 June to 03 July, 2021, Brainovision Solutions Pvt ltd. and DAV Institute of Engineering & technology, with duration 5 Days, online.
- Industrial Research on IOT, 23 July, 2021, TCS and BCREC, with duration 1 day, online.

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

- ➤ Orientation cum Induction Program for MCA 2020 2022 batch on 15/12/2020.
- > Webinar on "Technologies required in the IT industry for Nextgen workforce" on 25/09/2021.
- ➤ Orientation cum Induction Program for MCA 2021 2023 batch on 02/11/2021.

## Participation in administrative committees (selected):

- ➤ **Academic Council** member of BCREC from 13.06.2019.
- ➤ **NAAC Core Committee** member of BCREC from 11.07.2019.
- ➤ Member of **Library Committee** of BCREC from 2015.
- Member of **Departmental Research & Development work**, MCA, BCREC.
- ➤ Member of **IQAC**, BCREC.
- ➤ Member of Advisory Board of MESIICON-2022, BCREC.

## **Membership in Professional Bodies:**

- ➤ Member of IACSIT and Membership No- 80345642
- ➤ Member of IAENG and Membership No- 132580
- ➤ Member of Subject Matter Expert Group of Nikhil Bharat Council for Massive Open Online course and membership No- SMEG-21-08-0036.