Name: Dr. Chandan Koner

Department: CSE

Contact Nos.: 9434535556

Qualifications: Ph. D.

Designation: Professor

VIDWAN ID: 187728

Experience (Teaching / Research / Industry, in years): Teaching- 15 years

Date of Joining at the Present Institution: 05/11/2011

Examinations Cleared: NET-CSIR/GATE   NA

Qualifications Summary (Reverse chronological order):

Degree	Institute	From	To	Subjects
Bachelor of Technology	Jalpaiguri Govt. Engineering College	2002	2005	Computer Science & Engineering
Master of Technology	JIS College of Engineering	2005	2007	Mobile Communication and Network Technology
Ph. D. (Engineering)	Jadavpur University	2008	2012	Computer Science & Engineering

Experience Summary (In chronological order):

Designation	Organization	Date From	Date To
Professor	Dr. B.C. Roy Engineering College, Durgapur	01-09-2016	Continuing
Associate Professor	Dr. B.C. Roy Engineering College, Durgapur	01-04-2013	31-08-2016
Assistant Professor	Dr. B.C. Roy Engineering College, Durgapur	05-11-2011	31-03-2013
Assistant Professor	Bengal Institute of Technology and Management	01-02-2009	04-11-2011
Senior Lecturer	Dr. B.C. Roy Engineering College, Durgapur	22-09- 2007	31-01-2009
Lecturer	Bengal College of Engineering and Technology.	08-02-2007	21-09-2007

Specialization/Research Interest:

Cyber Security

Awards & Recognitions

1. Outstanding Contribution towards Development of Science, Technology & Research awarded by All India Applied Information Development Association in 2021.
2. Research Excellence appreciation by Nikhil Bharat Shiksha Parisad in 2021

Courses taught:

B.Tech: Network Security, Cyber Security, Internetworking, Computer Networks, Computer Network Laboratory, Network Security Laboratory, Internetworking Laboratory

M.Tech: Mobile Computing, Network Security¸ Network Laboratory

Online Mode of Teaching: Yes

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)

1. Google Blank Form
2. PPT

Publications:

Journal:
1. **C. Koner**, U. Maulik, C. T. Bhunia, "A Comparative Study of Different Authentication Techniques" in International Journal HIT Transaction on ECCN, Vol.2 No.8, pp435-442, December, 2007, ISSN 0973-6875.

2. **C. Koner**, C. T. Bhunia, U. Maulik, "An Efficient and Reliable Three-Entity Remote User and Server Authentication Technique" in International Journal of Engineering and Technology, Vol.1 No.2 pp188-193, June, 2009, ISSN: 1793-8236 (Online) DOI: 10.7763/IJET.

3. **C. Koner**, P. K. Bhattacharjee, C. T. Bhunia, U. Maulik, "A Novel Approach for Authentication Technique in Mobile Communications" in International Journal of Computer Theory and Engineering, Vol.1 No.3, pp 216-221, August, 2009, ISSN: 1793-8201 (Print) DOI: 10.7763/IJCTE.

4. P. K. Bhattacharjee, **C. Koner**, "Authentication Technique in 3-G Mobile Communications Network'' in International Journal on Computer Engineering and Information Technology, Vol.7, No.12, pp1-9, August, 2009.

5. **C. Koner**, C. T. Bhunia, U. Maulik, "A Novel Three-Entity and Data Authentication Technique of Remote User and Server" in International Journal on Wireless Networking Communication, Research India Publications, vol.1 No.2, pp111-118, 2009, ISSN 0975-6507.

6. **C. Koner**, C. T. Bhunia, U. Maulik, "Application of Automatic Variable Password in Remote User's Time Variant Entity and Data Authentication" in International Journal of Recent Trends in Engineering, Academy Publishers, 2009, Vol.2 No.2, pp 155-158, November, 2009 ISSN: 1797-9617.

7. **C. Koner**, P. K. Bhattacharjee, C. T. Bhunia, U. Maulik, "A Novel Four Entity Authentication Technique for 3-G Mobile Communications" in International Journal of Recent Trends in Engineering, Academy Publishers, Vol.2 No.2, pp 111-113, November, 2009 ISSN: 1797-9617.

8. **C. Koner**, C. T. Bhunia, U. Maulik, "Application of Automatic Variable Password Technique in Das's Remote System Authentication Scheme Using Smart Card" in International Journal of Computer Theory and Engineering, Singapore, 2010, Vol.2 No.1, pp 1-5, February, 2010 ISSN: 1793-8201 (Print) DOI: 10.7763/IJCTE.

9. P. K. Bhattacharjee, **C. Koner**, C. T. Bhunia, U. Maulik, "Biometric Entity Based Mutual Authentication Technique for 3-G Mobile Communications" in International Journal of Computer Theory and Engineering, Singapore, Vol.2 No.1, pp 26-30, February, 2010 ISSN: 1793-8201 (Print) DOI: 10.7763/IJCTE.

10. P. K. Bhattacharjee, **C. Koner**, C. T. Bhunia, U. Maulik, "Artificial Intelligence Based Authentication Technique With Three Entities In 3-G Mobile Communications" in International Journal of Computer and Electrical Engineering, Vol.2 No.2 pp344-349, April, 2010. ISSN: 1793-8163 (Print) DOI: 10.7706/IJCEE

11. P. K. Bhattacharjee, **C. Koner**, C. T. Bhunia, U. Maulik, "Artificial Intelligence Based Mutual Authentication Technique with Biometric Entities in 3-G Mobile Communications" in International Journal of Computer Theory and Engineering, Vol.2 No.2 pp205-210, April, 2010 ISSN: 1793-8201 (Print) DOI: 10.7763/IJCTE.

12. **C. Koner**, C. T. Bhunia, U. Maulik, "A Novel Time Variant Authentication Technique of Remote User Using Smart Card" in International Journal of Recent Trends in Engineering, Finland,Vol.3 No.2, pp 128-130, May, 2010. ISSN: 1797-9617

13. **C. Koner**, C. T. Bhunia, U. Maulik, "A Time Variant Four Entity Authentication Technique for 3-G Mobile Communications" in International Journal of Recent Trends in Engineering, Finland, Vol.3 No.2, pp 39-41, May, 2010. ISSN: 1797-9617

14. **C. Koner**, P. K. Bhattacharjee, C. T. Bhunia, U. Maulik, "A Novel Artificial Intelligent Based Message Authentication Technique in Mobile Communications" in International Journal of Computer and Electrical Engineering, Vol.2 No.3 pp511-515, June, 2010 ISSN: 1793-8163 (Print) DOI: 10.7706/IJCEE.

15. A. Bhowmick, **C. Koner**, C. T. Bhunia, "A Novel Time Based Technique for Enhancing Grid Computing Security" in International journal of Computer Applications (IJCA), ISSN: 0975-8887, Special Issue, 2012.

17. T. Dhar, **C. Koner**, "A Novel Password Based mutual Authentication Technique for 4-G Mobile Communications" in International Journal of Research in Engineering & Technology, e – ISSN: 2319-1163, ISSN: 2321-7308, vol. 2, no. 4, pp619-624, April, 2013 .

18. S. Mukherjee, G. Sanyal, **C. Koner**, "A Novel Approach for Authentication Technique in Wireless Sensor Network" in International Journal of Emerging Technology and Advanced Engineering, e-ISSN: 2250-2459 vol. 3, no. 6, pp482-484, June, 2013.

19. H. N. Moulick, M. Ghosh, **C. Koner**, "Image Segmentation using bi directional of neural network" in American Journal of Engineering Research (AJER), e-ISSN : 2320-0847 p-ISSN : 2320-0936, vol. 03, no. 03, pp37-47, 2014.

20. A. Chatterjee, H. N. Moulick, **C. Koner**, "Image Filtering Noise Removal with Speckle Noise", International Journal of Ethics in Engineering & Management Education, ISSN: 2348-4748, vol. 1, no. 3, pp21-26, March 2014.

21. H. N. Moulick, **C. Koner**, "Histogram to Histogram Matching" accepted in International Journal of Engineering Research and Sports Science, eISSN : 2348-1404, ISSN : 2348-2400, vol. 1, No. 6, June 2014.

22. I. K. Roy, H. N. Moulick, **C. Koner**, "Noise in Image and its Reduction Techniques" accepted in International Journal of Engineering Research and Sports Science, eISSN : 2348-1404, ISSN : 2348-2400, vol. 1, No. 6, June 2014.

23. A. Chatterjee, H. N. Moulick, **C. Koner**, "Use of image processing through Emotion Detection" in International Journal on Applications of Information and Communication Engineering, vol. 1, No. 2, pp28-31, February 2015 eISSN : 2394-6237.

24. A. Biswas, B. K. Ray, Himanshu, **C. Koner**, S. Chakraborty, K. N. Hui, "Wavelength Insensitive Fused Fiber Coupler in Asymmetric Heating of Arc Discharge" in Journal of Optoelectronics and Advanced Material, Vol. 18, No. 11-12, p.974-981, SCOPUS, SCIE, November - December 2016.

25. Subrata Paul, Anirban Mitra & **Chandan Koner**, "A Survey on Social Business Intelligence – A Case Study of Application of Dynamic Social Networks for Decision Making" in Handbook of Research on NLP and AI, Apple Academic Press, USA2020, ISBN 9780367808495

Conference:

International Conferences

1. **C. Koner**, S. Bhowmik, "Different Attacks and Security Requirements of Wireless Sensor Network: A Review" on International Conference on Recent Trends of Mathematics in Engineering and Management, pp26-28, March 21 & 22, 2009.

2. A. Guha, A. Roy, **C. Koner**,"Analysis of the efficiency of RSA algorithm with different key pairs" on International Conference on Recent Trends of Mathematics in Engineering and Management, pp12-15, March 21 & 22, 2009.

3. **C. Koner**, C. T. Bhunia, U. Maulik,"Remote System Authentication: A Perspective" on International Conference on Recent Trends of Mathematics in Engineering and Management, pp32-34, March 21 & 22, 2009.

4. **C. Koner**, C. T. Bhunia, U. Maulik, "Analysis of the efficiency of different remote user and server authentication schemes" on ICFCC2009, **IEEE Xplore, IEEE CS DL, Singapore**, pp 553-557, April 3-5, 2009.

5. **C. Koner**, C. T. Bhunia, U. Maulik, "An Efficient and Reliable Time Variant Three-Entity and Data Authentication of Remote User Using Smart card" on ITNG09, **IEEE Xplore, IEEE CS DL, USA** pp487-491, April 27-29, 2009.

6. **C. Koner**, P. K. Bhattacharjee, C. T. Bhunia, U. Maulik, "Three Entity Mutual Authentication Technique for 3-G Mobile Network" on AH-ICI09, **IEEE Xplore**, **IEEE Communications Society, Nepal**, November 3-5, 2009.

7. A. Koner, **C. Koner**, "Role of Science & Technology for Sustainable Development: A Review", International Conference on Business Applications and Management Issues, BCREC, Durgapur, pp 350-353, January 10 & 11, 2012.

8. A. Koner, **C. Koner**, "An Artificial Intelligent Based Traffic Control System for Robotic in Outdoor Environment", 4th International Conference on "Recent Advances in Mathematics, Technology & Management" at BITM, Santiniketan, pp17-18, January 21 & 22, 2012.

9. H. N. Moulick, M. Ghosh, P. Das, **C. Koner**, A. K. Roy, "Histogram to Sound Conversion: A Review", 5th International Conference on Future Information Technology, **Bankok**, **Thailand**, pp 32-37, October 10-12, 2014.

10. S. Chattopadhyay, P. P. Acharjya, **C. Koner**, "A Morphological Approach to Match Two Color Images Using Deep Learning", IEEE International conference on Smart Systems and Inventive Technology [ICSSIT 2018], December 13- 14, 2018

11. Subrata Paul, Anirban Mitra, **Chandan Koner**, "A Review on Graph Database and its Representation", 2019 IEEE International Conference on Recent Advances in Energy-efficient Computing and Communication (ICRAECC-2019), March 7-8, 2019, Nagercoil, India. **DOI:** 10.1109/ICRAECC43874.2019.8995006

12. Subhrangshu Adhikary, Kushal Jain, Biswajit Saha, **Chandan Koner**, "Fuzzy Logic on Long Short-Term Memory for Smart Person-Identification System through Electroencephalogram", 6th IEEE International Conference on Signal Processing, Computing, and Control (ISPCC 2k21), October 7-9, 2021, SCOPUS Indexed, JUIT, Solan, Himachal Pradesh.

National Conferences

1. P. Chakrabarti, **C. Koner,** M. K. Roy, "Approach towards key generation in multi-party communication and computational complexity of RSA algorithm" on NCET-08, IU, pp282-284, March 29 & 30, 2008.

2. **C. Koner**, P. K. Chattopadhyay, "Application of Residue Number System for efficient key generation and fast computation of RSA algorithm" on NICE, AIT, Bangalore, January 23 & 24, 2009.

3. **C. Koner**, "Cryptanalysis of Das's Remote System Authentication Scheme Using Smart Cards" NCISE2009, VMU, Chennai, pp16, February 13 &14, 2009.

4. P. K. Bhattacharjee, **C. Koner**, "Application of Digital Signature for Message Authentication Technique in 3-G Mobile Communications" on NCCS 2010, Burdwan University, pp145-149, March, 2010.

5. A. Koner, **C. Koner**, "A Novel Human Message Authentication Scheme by Intelligent Robot" on 'Empirical Research on Management and Information Technology: Trends and Opportunities', DSMS Business School, Durgapur, pp33, October 5, 2010.

6. A. Bhowmick, **C. Koner,** C. T. Bhunia, "A Novel Time Based Technique for Enhancing Grid Computing Security" in 7th National conference "Communications Technologies and Its impact on Next Generation Computing (CTNGC-2012), pp9-12, 2012.

7. A. Koner, **C. Koner**, B. Mondal, "Engineers Should Create Jobs as Entrepreneurs" in National Seminar on "Creating Employability and Meeting Employer's Needs – A Challenge for Today's Education System", DSMS Business School, Durgapur, pp1, February 28, 2014.

8. T. Karmakar, B. Mondal, J. Dalal, **C. Koner**, "Securities in WSN: Issues & Challenges" in National Conference on Recent Advances in Mathematics, Engineering & Management organized by Bengal Institute of Technology and Management sponsored by AICTE-IIPC, pp11, March 22 & 23, 2014.

9. **C. Koner**, A. K. Manna, "Security Issues in Cloud Computing" in All India Seminar On Innovation and Application of Technology, Engineering and Science for a Sustainable Growth (IATESS-15) Organised by The Institution of Engineers (India) on March 14th &15th, 2015**.**

10. B. Roy, K. Kumar, H. N. Moulick, **C. Koner**, A. Hussain, "Mobile to Mobile Battery Charge Transfer" in Emerging Trends in Engineering and Sciences (ETES 2015) Organised by Asansol Engineering College, Asansol pp169-173.

11. **C. Koner,** A. K. Manna, "Proposed Three Entity Authentication Technique in Cloud Computing Networks" in All India Seminar on "Advancement and Trends in Engineering & Technology Management" organised by Durgapur Local Centre, The Institution of Engineers (India) on August 29-30, 2015 pp27.

12. M. K. Roy, **C. Koner,** "Quantum Cryptography: A Perspective" in All India Seminar on "Advancement and Trends in Engineering & Technology Management" organised by Durgapur Local Centre, The Institution of Engineers (India) on August 29-30, 2015 pp35.

13. A. K. Manna, **C. Koner**, "Approaches to Implement Authentication and Encryption Techniques in Cloud Computing" proceeding of National Conference on "Recent Trends in Computations and Mathematical Analysis in Engineering and Sciences (CRCMAS 2015)" pp56-60, organized by Government Polytechnic Silli, Ranchi, Jharkhand on November 20-21, 2015**.**

14. B. Mondal, P. Roy, **C. Koner**, "Proposed Artificial Intelligence Based Authentication of User in Remote System" proceeding of National Conference on "Recent Trends in Computations and Mathematical Analysis in Engineering and Sciences (CRCMAS 2015)" pp61-64, organized by Government Polytechnic Silli, Ranchi, Jharkhand on November 20-21, 2015.

15. S. A. Jilani, **C. Koner**, S. Nandi, "Security in Wireless Sensor Networks: Attacks and Evasion" proceeding of IEEE National Conference on "Emerging Trends on Sustainable Technology and Engineering Applications" on 7th and 8th February, 2020. **DOI:** 10.1109/NCETSTEA48365.2020.9119947

Book:

1. **C. Koner**, Authentications in Remote and Mobile System Communications, LAP LAMBERT Academic Publishing, Germany, 2014. ISBN: 978-3-659-62236-6.

2. **C. Koner,** H. N. Moulick, B. Mondal, M. Ghosh, Image Processing: Principles, Applications and Inventions**,** Sara Publication, Ahmedabad, India, 2015. ISBN: 978-163102278-4

3. **C. Koner,** B. Sarkar, Security Challenges in Social Engineering, LAP LAMBERT Academic Publishing, Germany, 2015. ISBN: 978-3-659-80272-0.

4. **C. Koner**, P. K. Bhattacharjee, Basic Electricals with Conventional and Renewable Electrical Power Plants, LAP LAMBERT Academic Publishing, Germany, 2015. ISBN: 978-3-659-81394-

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

For Ph.D

Name of the student	Name of the supervisor	" Title of the thesis"	Year	Name of the university (Registered)
Anindya Bose	Chandan Koner	Security in Cloud Computing	2020	Brainware University
Subrata Paul	Chandan Koner	Social Networking	2018	MAKAUT
Sayamuddin Ahmed Jilani	Chandan Koner	Security in WSN	2015	MAKAUT

Invited Lectures:

1. Lecture on "**Information & Network Security**" in FDP organized by Bengal Institute of Technology and Management, Santiniketan on April' 2010.

2. Lecture on "**Computer Networks**" in Science Camp organized by West Bengal State Council of Science & Technology, Govt. of West Bengal and School Cluster, Hatgobindapur, Burdwan at Kuchut P.C. Institution, Burdwan on July 25, 2013.

3. Lecture on "**Role of Science & Technology for Sustainable Development**" in National Seminar on Recent Trends in Basic Sciences and Humanities organized by the Department of

Applied Sciences & Humanities, Durgapur Institute of Advanced Technology & Management (DIATM), Durgapur on October 31, 2013.

4. Lecture on **Information Security & Its Application in Data Communications"** in Short Term Training on "Data Communication and its Applications" organized by the Department of CSE, Bankura Unnayani Institute of Engineering (BUIE) sponsored by TEQIP (Phase II) on April 16, 2014.

5. Lecture on "**Application and Development of Android**" in Workshop organized by The Institution of Engineers (India) at Durgapur Institute of Advanced Technology & Management (DIATM), Durgapur on September 11, 2014.

6. Lecture on **"Information Security and its Challenges in Next Generation Networks"** in Seminar organized by Government Polytechnic Silli, Ranchi, Jharkhand on August 26, 2015.

7. **Guest of Honor** at seminar on **"Nanotechnology for Device and Photonics Application"** organized by NSHM Knowledge Campus, Durgapur on September 26, 2015

8. Lecture on **"Authentication in Communications"** in National Conference on CRCMAS 2015 organized by Government Polytechnic Silli, Ranchi, Jharkhand on November 21, 2015.

9. Lecture on "**Recent Trends in the Research area of CSE/IT and Research Methodology**" organized by Bengal Institute of Technology and Management, Santiniketan on February 8, 2016.

10. **Guest of Honor** at seminar cum workshop on "Network and Cyber Security with hands on Network Implementation" organized by The Institution of Engineers (India) on February 28, 2016.

11. **Guest of Honor** at seminar on "Emerging Antenna Technology for Modern Communication System" organized by The Institution of Engineers (India) and NSHM, Durgapur on February 21, 2017.

12. **Guest of Honor** and **Lecture** at seminar on "Computer Vision" organized by The Institution of Engineers (India) and DIATM, Durgapur on February 24, 2017.

13. Lecture on "**Outcome Based Education**" at All India Seminar on "Innovative Technical Education" organized by The Institution of Engineers (India) and DIATM, Durgapur on April 20-21, 2018.

14. Lecture on "**Security in Cloud Computing**" at Research Workshop on "Information Security" organized by DIATM, Durgapur on January 7, 2019.

15. Lecture on "**Green Computing**" at AGM organized by Indian Institute of Industrial Engineering, Durgapur Chapter on February 3, 2019.

16. **Guest of Honor** and **Lecture** at a workshop on "Network Security and Cyber Security Threats" organized by The Institution of Engineers (India) and DIATM, Durgapur on August 31, 2019.

17. **Guest of Honor** and **Lecture** at a seminar on "Advances in Mobile Communication and Challenging in Mobile Computing" organized by The Institution of Engineers (India) and DIATM, Durgapur on March 4, 2020.

18. **Lecture** at ATAL Academy Sponsored FDP on "Foundations and Practical Aspects of Cyber Security" on December 19, 2020.

19. **Lecture** at FDP on "Network and Cyber Security" organized by Department of Cyber Science & Technology, Brainware University on January 15, 2021.

20. **Guest Speaker** on "Work Force Development Program 2021-22 Series" organized by Nikhil Bharat Shiksha Parisad on March 16, 2021.

21. **Lecture** at Technical Session on Dynamic Programming & Competitive Coding" organized by Nikhil Bharat Shiksha Parisad on April 27, 2021.

Participation in faculty development programmes

From Date	To Date	Organized by	Sponsored by	Name of the course
June 16, 2008	June 20, 2008	Haldia Institute of Technology	AICTE, ISTE	Future Internet and Application
June 28, 2009	July 10, 2009	B.I.T.M., Santiniketan	AICTE	Advanced Computer Networking & Next Generation Internet Technology
April 5, 2010	April 16, 2010	B.I.T.M., Santiniketan	AICTE	Information & Network Security
August 2, 2010	August 7, 2010	IIT, Kharagpur	AICTE	Network Security – Theoretical & Practical Perspective
July 17, 2017	July 21, 2017	AICTE	IIT (BHU), Varanasi	Teacher Training Workshop for Student Induction
June 26, 2020		TCS	Dr. B.C. Roy Engineering College, Durgapur	Python and it's application in Robotics

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

1. Faculty Coordinator of Workshop on "Ethical Hacking & Information in Security" in collaboration with Kyrion Technologies Pvt. Ltd., AIESEC IIT, Kharagpur and Information Security Council of India on 14th March & 15th March '2012.

2. Organizing Co-Chair of IEEE National Conference on "Computing and Communication Systems" technically sponsored by IEEE, Computer Society of India, MIR Labs and financially sponsored by SERC, DRDO, TCS and SBI 2012.

3. Organizing Secretary of IEEE Students' Paper Contest on "Ethical Hacking- Issues & Challenges" technically sponsored by IEEE Communications Society and Internet Society, 2012.

4. Coordinator of International Neural Network Society Silver Jubilee Workshop on "Cognitive Science – An Emerging Paradigm" technically sponsored by IEEE Computational Intelligence Society, 2012.

5. Faculty Coordinator of Spoken Tutorial Class organized by IIT Bombay – NMEICT, MHRD, Govt. of India.

6. Co-Convener of National Advisory Committee in All India Seminar on "Think IoT 2017.V1-Booting IoT: An Introduction to the Platform" organised by The Institution of Engineers (India) and BCREC on April 28 & 29, 2017.

7. Organizing Chair of IEEE National Conference on "Emerging Trends on Sustainable Technology and Engineering Applications" technically sponsored by IEEE, Springer on February 7 & 8, 2020.

8. Program Coordinator of AICTE Training & Learning (ATAL) Academy Sponsored Online FDP on "Foundations and Practical Aspects of Cyber Security" from December 15-19, 2020 **Fund Received: Rs. 93,000 /-** (Rupees Ninety –Three Thousand Only).

9. Program Coordinator of FDP on "3D Printing and Design" from August 17-21, 2021.

10. Program Coordinator of FDP on "FDP on "Modern Applications of Artificial Intelligence and Machine Learning in Hardware and Software" from September 14 -18, 2021.

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

1. **Membe**r of the committee of The Institution of Engineers (India), Durgapur Local Centre in Computer Engineering Division for the sessions 2012-14, 2014-16 and 2016-18, 2021-23.

2. **Nominated for faculty** in e-governance project coordinated by Engineering Watch, New Delhi and National Informatics Centre, New Delhi in 2013. (http://www.engineeringwatch.in/egov/faculty)

3. **External Moderator** for Semester Examinations of Brainware University, Kolkata in 2016-18.

4. **Member of BOS** in the Department of Computational Science, Brainware University, Kolkata from September, 2019 onwards.

5. **Member of Subject Matter Expert Group** of Nikhil Bharat Council for Massive Open Online Course from March 13, 2021 onwards.

6. **Coordinator** of ISTE Student Chapter (WB-08) from August 08, 2009 to November 04, 2011

7. **Chairman** of IEEE Student Branch (Code-05401) from December 10, 2009 to November 04, 2011

8. **Associate Head** of the Department of Computer Science and Informatics, BITM, Santiniketan from February 08, 2010 to June 10, 2010

9. **Head Of the Department** of Computer Science and Informatics, BITM, Santiniketan11.06.2010-30.06.2011

10. **Head Of the Department** of Computer Application, BITM, Santiniketan 10.07.2011-04.11.2011

11. **Faculty Leader** of Entrepreneurship Cell of National Entrepreneurship Network in BITM, Santiniketan & BCREC, Durgapur 2010-11 & 2012-14

12. **Head Examiner** of Semester Examination of WBUT, Kolkata 2014 & 2015

13. **Coordinator**, Internal Quality Assurance Cell (IQAC) of the Department from May 21, 2014 to July 21, 2016

14. **Head Of the Department** of Computer Science and Engineering, BCREC, Durgapur from July 22, 2016 to Continuing.

15. **Convener**, IE(I) Students' Chapter, BCREC, Durgapur at April 08, 2017 and Continuing.

16. **Chairman**, IEEE Student Branch (Code- STB11473), BCREC, Durgapur from March 26, 2019 and Continuing.

17. **Convener**, CSI Student Chapter, BCREC, Durgapur from 2017 and Continuing.

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

Not Applicable

Membership of professional bodies:

Sl No.	Name of the Body	Status of Membership	Membership No
1.	The Institute of Engineers (India)	Fellow	F-1273864
2.	The Institution of Electronics & Telecommunication Engineers, India.	Fellow	F224682
3.	Nikhil Bharat Shiksha Parisad	Fellow	NBSPIN38A
4.	International Society for Research and Development	Fellow	F3140901128
5.	South Asian Chamber of Scientific Research & Development	Honorary Fellow	SACSRD/21100341893699
6.	Operational Research Society of India, New Delhi, India	Senior Member	0767/C/07/ML
7.	International Engineering and Technology Institute, Hong Kong	Senior Member	2015090211
8.	Society for Information Science, New Delhi, India	Life Member	SM75
9.	Indian Science Congress Association, Kolkata, India	Life Member	L13138
10.	Indian Society for Technical Education	Life Member	LM62844
11.	Computer Society of India, Mumbai, India	Life Member	01074822
12.	Cryptology Research Society of India, ISI, Kolkata	Life Member	L/223

13.	International Association of Engineers, Hong Kong.	Life Member	102031
14.	International Association of Computer Science and Information Technology, Singapore.	Life Member	80332336
15.	Forum of Scientists, Engineers & Technologists, Kolkata, India.	Life Member	LM/2010-2047
16.	All India Eminent Council of Engineering, Management & Technology	Associate Member	AIEFCTBS2101SN09
17.	Computer Science Teacher Association, USA.	Member	5181705
18.	Universal Association of Computer and Electronics Engineers, Australia.	Member	A7800637
19.	International Rough Set Society, Canada	Member	---
20.	Machine Intelligence Research Labs	Member	---
21.	American Association for Science & Technology	Member	---