

**Name:** Dr. Abhijit Biswas  
**Designation:** Associate Professor  
**Branch:** Computer Science and Engineering



**Educational Qualification(s):**

| Qualification(s) | University                    |
|------------------|-------------------------------|
| BCA              | Tripura University            |
| MCA              | SRM University, Chennai       |
| Ph.D in CSE      | The ICFAI University, Tripura |

**Experience in years:**

**Academic :** 15 years and 9 months

**Details:**

| Sl. No. | Organization                  | Position Held       | Duration   |            |
|---------|-------------------------------|---------------------|------------|------------|
|         |                               |                     | From       | To         |
| 1       | The ICFAI University, Tripura | Associate Professor | 01.04.2024 | Till date  |
| 1       | The ICFAI University, Tripura | Assistant Professor | 19.12.2008 | 31.03.2024 |

**Other Information:**

**PAPER PUBLISHED IN JOURNAL**

| Sl. No. | Title of paper published  | Name of Journal,                                      | Volume & Page No  | Journal/Magazine Edition |
|---------|---|---|---|--------------------------|
| 1       | A Survey on Scheduling Based MAC Protocol for congestion Minimization in Internet of Things (IoT) | Turkish Journal of Computer and Mathematics Education | <a href="#">Vol. 12 No. 2 (2021)</a> & e-ISSN 1309-4653 | Scopus Indexed           |

|   |   |  |  |   |
|---|---|--|--|---|
| 2 | Interference cancellation and efficient channel allocation for primary and secondary users using hybrid cognitive machine-to-machine (M2M) MAC routing protocol | International Journal of Information Security and Privacy(IJISP).        | Vol: 16(2). Pages: 18<br>September, 2022, IGI Global Publishing. | Scopus Indexed, UGC Care.                             |
| 3 | Cross Layer based AODV (CLAODV) Routing for MANET   | International Journal of Research in Engineering, Science and Management | Volume-3, Issue-8,<br>August-2020                                | ISSN (Online): 2581-5792   RESAIM Publishing.         |
| 4 | Design Simulation of Sentiment Analysis of Tweets using Machine Learning Methodology  | Sodhasamhita: Journal of Fundamental and Comparative Research            | Volume-VIII, No. 1(XXII):<br>2022                                | ISSN: 2277-7067                                       |
| 5 | Enhancing the Channel Quality in Cognitive Network by Traffic Reduction Method  | Turkish Journal of Computer and Mathematics Education                    | <a href="#">Vol. 13 No. 03 (2022)</a> &<br>e-ISSN 1456-1463      | Scopus Indexed  |
| 6 | Teaching for Tomorrow: The Changing Role of Teachers in the Connected Classroom   | Teaching Pedagogy (Current Issues)                                       | ISBN: 978-93-81274-34-7, Page No. 247-253.                       | Published: New Delhi Publishers, First Edition, 2013, |
| 7 | The Role of Science and   | ICFAI University,  | Volume 01, Number: 01,<br>October, 2015 – March                  | ISSN 2455–7846  |

|   |  |   |   |                |
|---|--|---|---|----------------|
|   | Technology Education at Network Age Population for Sustainable Development of Tripura: | Tripura Journal of Advance Research and Development                   | 2016, Page no. 92-97  |                |
| 8 | ICTs and Empowerment of Indian Rural Women   | ICFAI University, Tripura Journal of Advance Research and Development | Volume 2, No.2 & Volume 3, No.1 (October 2016- September 2017).<br>Page No: 112-125 | ISSN 2455-7846 |

### **PAPER PRESENTATION IN CONFERENCE**

| <b>Sl. No.</b> | <b>Title of the Paper</b>   | <b>Details</b>  |
|----------------|---|---|
| 1              | A Survey on Scheduling Based Mac Protocol for Congestion Minimization In Internet Of Things (IoT) | International Conference on Emerging Technologies in Electrical Engineering (ICETEE-2020) held at Malla Reddy College of Engineering and Technology, Hyderabad on 21st & 22nd August, 2020. |
| 2              | Enhancing the Channel Quality in Cognitive Network by Traffic Reduction Method                    | International Conference on Communication and Intelligent Systems (ICCIS-2022) organized by Arya Institute of Engineering and Technology, Jaipur held on 18th & 19th February, 2022.        |

### **BOOK PUBLICATION**

| Sl. No | Title of the Book   | Publishers                  | Edition, ISBN and Year   | Year         |
|--------|---|-----------------------------|--|--------------|
| 1      | Artificial Intelligence: A Modern Approach To Neural Networks And Beyond. | RDG Scientific Publications | ISBN NUMBER : 978-81-975815-4-0<br>DOI: <a href="https://doi.org/10.5281/zenodo.13364929">https://doi.org/10.5281/zenodo.13364929</a><br>Online website Publications link:<br>1. <a href="https://www.flipkart.com/product/p/itme?pid=9788197581540">https://www.flipkart.com/product/p/itme?pid=9788197581540</a><br>2. <a href="https://www.amazon.in/dp/B0DFR55D3F">https://www.amazon.in/dp/B0DFR55D3F</a><br>3. <a href="https://rdgeducation.org/product/artificial-intelligence-a-modern-approach-to-neural-networks-and-beyond/">https://rdgeducation.org/product/artificial-intelligence-a-modern-approach-to-neural-networks-and-beyond/</a> | August, 2024 |

### **PAPER PUBLISHED IN MAGAZINE**

| SI No | Paper                                       | Name of the magazine  | Quarter      | Volume                           |
|-------|---|---|--------------|----------------------------------|
| 1     | Modern Era: A study of living with Science. | The Education Charter, Educational Ladder To Success, CCLP Worldwide, 17 Tara Chand Dutt Street, Kolkata-700073 | Jan-Mar 2011 | Vol 1, Issue 2, Page No. : 26-33 |

**PAPER PUBLISHED IN EDITED BOOK**

| <b>Sl. No.</b> | <b>Title of paper published</b>  | <b>Book</b>   | <b>Publishers</b>    | <b>Edition, ISBN and Year</b>  | <b>Page No</b> |
|----------------|--|---|----------------------|--|----------------|
| 1              | Impacts of Information and Communication Technologies in Sustainability: speculations and evidence                             | Higher Education for Sustainable Livelihood                       | Excel Publishers     | First Impression: 2012.<br>ISBN: 978-93-81361-75-7.<br>Editor: Dr. Debasish Paul | 142-153        |
| 2              | Education for Sustainable Development under Globalization and the Reforms of Teaching and Learning Methods in Higher Education | Higher Education for Sustainable Livelihood                       | Excel Publishers     | First Impression: 2012.<br>ISBN: 978-93-81361-75-7.<br>Editor: Dr. Debasish Paul | 154-161        |
| 3              | Achieving Equal Opportunity for Socio-Economic Backward Class Peoples through ICT.   | Equal Opportunity in the Context of Social and Human Development. | New Delhi Publishers | First Edition, ISBN: 978-93-81274-79-8   | 1-8            |

## **PAPERS PRESENTED IN SEMINARS**

| <b>Sl. No.</b> | <b>Seminar status</b> | <b>Date</b> | <b>Seminar name</b>  | <b>Title of the paper</b>                                   | <b>Organized by</b>  |
|----------------|-----------------------|-------------|--|---|--|
| 1              | International level   | 17.12. 2010 | International seminar on the theme "Higher Education for Sustainability and Livelihood". | Modern Era: A study of living with science.                 | Assam University (A Central University), Silchar.                          |
| 2              | State level           | 13.02.2011  | State level seminar on "Identification of Research Priorities in Tripura."               | Research possibility in ICT in School education of Tripura. | IGNOU, Tripura   |
| 3              | Regional level        | 07.04.2011  | North Eastern Regional Seminar on Information Technology.                                | ICTs in Education: Implementation and Engagement.           | Faculty of Management Studies (FMS) Department, ICFAI University, Tripura. |
| 4              | Regional level        | 08.04.2011  | North Eastern Regional Seminar on Information Technology.                                | Data Security in DBMS: Implementation and Effectiveness.    | Faculty of Management Studies (FMS) Department, ICFAI University, Tripura  |
| 5              | National level        | 03.06.2011  | National seminar on "Pedagogy-Trends in Teaching And Learning."                          | E-Learning: Prospects And Challenges                        | Faculty of Education Department, ICFAI University, Tripura                 |

|    |                     |            |   |  |  |
|----|---------------------|------------|---|--|--|
| 6  | National level      | 04.06.2011 | National seminar on "Pedagogy-Trends in Teaching And Learning."   | Teaching for tomorrow: The changing role of Teachers In the connected Classroom.   | Faculty of Education Department, ICFAI University, Tripura   |
| 7  | National level      | 08.09.2011 | National seminar on the theme " Tripura We Dream: Science & Technology Interventions "                            | Perspectives on the role of Science and Technology education at network age population for sustainable development of Tripura. | Jointly organized by Tripura State Council for Science & Technology and ICFAI University, Tripura. |
| 8  | National level      | 08.09.2011 | National seminar on the theme " Tripura We Dream: Science & Technology Interventions "                            | Innovations in Science and Technology Education through Science Teacher Associations of Tripura.                               | Jointly organized by Tripura State Council for Science & Technology and ICFAI University, Tripura. |
| 9  | International level | 29.10.2011 | International Seminar<br>On the theme "Globalization: Its Issues and Challenges with Special Reference to India". | Globalization through Information Technology: Its Impact on Global Management  | Jointly organized by Holy Cross College & Tripura University                                       |
| 10 | National level      | 14.07.2012 | National Seminar on Equal Opportunity in the context of Social  | Achieving equal opportunity for Socio-Economic backward class  | Dasaratha Deb Memorial College, Khowai, Tripura  |

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|----|------------------------|-------------------------------|---|---|------------------------------|
|    |                        |                               | and<br>Human<br>Development<br><br>(with special<br>reference to<br><br>North-East India)   | peoples through<br>ICT  |                              |
| 11 | International<br>Level | 23.06.2016<br>&<br>24.06.2016 | ICSSR<br>Sponsored<br>International<br>seminar on<br>"Empowering<br>Women to Lead<br>Change"  | ICTs and<br>Empowerment<br>of Indian Rural<br>Women   | ICFAI University,<br>Tripura |
| 12 | International<br>Level | 09.02.2017<br>&<br>10.02.2017 | International<br>Seminar<br><br>on<br><br>'Women<br>Empowerment<br>Through Self<br>Help Group(SHG)<br>in India'<br><br>09-10 February<br>2017 | Role of<br>Information<br>Technology for<br>Promoting<br>Women<br>Empowerment<br>Especially with<br>reference to<br>Members of<br>Self Help<br>Groups | ICFAI University,<br>Tripura |
| 13 | National<br>Level      | 17.03.2017<br>&<br>18.03.2017 | National<br>Conference on<br>"Recent Trends in<br>Engineering &<br>Technology"<br>organized by TIT,<br>Agartala.                              | Role Of Data<br>Mining In Cloud<br>Computing  | TIT, Agartala                |
| 14 | National<br>Level      | 13.07.2017<br>&<br>14.07.2017 | National Seminar<br>" 21st Century<br>Trends in<br>Teaching and<br>Learning"  | The Scope And<br>Challenges Of<br>Digital<br>Technology In<br>Higher<br><br>Education<br>Learning And   | ICFAI University,<br>Tripura |



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|    |                     |                     |  | Teaching.   |                           |
| 15 | International Level | 7.6.2018 & 8.6.2018 | International Seminar on "Entrepreneurship and Sustainable Development: Growth, Prospect and Challenges in Globalised Era" | Information and Communication Technology (ICT) Revolution: Its Impact and Sustainable Development | ICFAI University, Tripura |

### **PARTICIPATION IN THE WORKSHOP/FDP/GUEST LECTURE**

| <b>Sl. No.</b> | <b>Workshop / Symposium</b>                                 | <b>Organized By</b>  | <b>Venue</b>              | <b>Dated</b>             |
|----------------|---|--|---------------------------|--------------------------|
| 1              | Faculty Development Programme workshop                      | ICFAI University, Tripura  | ICFAI University, Tripura | 11.05.2009 to 16.05.2009 |
| 2              | Faculty Development Programme workshop                      | ICFAI University, Tripura  | ICFAI University, Tripura | 31.05.2010 to 06.06.2010 |
| 3              | Faculty Development Programme workshop                      | ICFAI University, Tripura  | ICFAI University, Tripura | 06.06.2011 to 11.06.2011 |
| 4              | Image Processing workshop                                   | ICFAI University, Tripura  | ICFAI University, Tripura | 14.11.2011 & 15.11.2011  |
| 5              | Entrepreneurship & Business Plan Workshop                   | An initiative of Nurture Talent Academy in association with Confluence, IIM Ahmedabad                | ICFAI University, Tripura | 28.10.2014               |
| 6              | National Workshop on "Computational Information Processing" | ICFAI University, Tripura in collaboration with Indian Statistical Institute, Kolkata                | ICFAI University, Tripura | 03.02.2015 to 04.02.2015 |
| 7              | Workshop on "Intellectual Property Rights"                  | ICFAI University, Tripura in collaboration with <a href="#">Tripura</a> State Council of Science and | ICFAI University, Tripura | 26.02.2015               |

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|    |  | Technology  |   |                          |
| 8  | Workshop on "ICT Based Language Translation"   | ICFAI University, Tripura and CD AC   | ICFAI University, Tripura   | 01.10.2015               |
| 9  | Workshop on "Cyber Suraksha"   | ICFAI University, Tripura & Tripura Cyber Force, Tripura  | ICFAI University, Tripura   | 15.10.2015               |
| 10 | Workshop on "AISHE of the Colleges/Institutions of Higher Education of Tripura"  | AISHE Unit, Dept. of Higher Education, Govt. of Tripura   | Pragna Bhawan, Agartala   | 29.12.2015               |
| 11 | National Workshop on "Android Application Development"   | CSE Department, NIT, Agartala   | NIT, Agartala   | 10.03.2016 & 11.03.2016  |
| 12 | Seminar on "High Speed Internet Connectivity through Bangladesh towards Development of North-eastern region of India". | The Institution of Engineers(India), Tripura State Centre jointly with NIT, Agartala, TIT, IUT, Techno India and Tripura University | Seminar Hall of The Institution of Engineers(India), Tripura State Centre | 26.03.2016               |
| 13 | Workshop on "Smartphone Application Development using Android"   | ICFAI University, Tripura   | ICFAI University, Tripura   | 20.03.2017 to 22.03.2017 |
| 14 | Workshop on "Virtual Lab"  | ICFAI University, Tripura in collaboration with IIT , Delhi   | ICFAI University, Tripura   | 19.05.2017               |
| 15 | Faculty Development Programme workshop   | FST, ICFAI University, Tripura (Resource person: Dr. T.K Basu, Retd. Prof., IIT, Kharagpur)   | ICFAI University, Tripura   | 17.07.2017 to 20.07.2017 |
| 16 | Workshop on "Virtual Lab"  | ICFAI University, Tripura in collaboration with IIT , Delhi   | ICFAI University, Tripura   | 30.10.2017               |
| 17 | Three Days North-East Program on "Advanced Data Analysis with R-Software"  | Indian Statistical Institute, SQC and OR Unit, Bangalore jointly with ICFAI University, Tripura                                     | ICFAI University, Tripura   | 28.11.2017 to 30.11.2017 |
| 18 | NPTEL SPOC Workshop  | IIT Kharagpur, West Bengal  | Kolkata   | 03.08.2018               |
| 19 | National Workshop on "Emerging Trend in Information Technology in  | ICFAI University, Tripura in Collaboration with Association of Indian Universities (AIU), New                                       | ICFAI University, Tripura   | 01.12.2018 to            |

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|----|---|--|----------------------------|----------------------------|
|    | University Management”  | Delhi  |                            | 03.12.2018                 |
| 20 | National Workshop on “Emerging Technology in I T”.  | ICFAI University, Tripura in Collaboration in collaboration with IBM, Bangalore. | ICFAI University, Tripura  | 25.03.2019 & 26.03.2019    |
| 21 | Seminar on “Bridging the standardization gap” in connection with observance of World Telecommunication and Information Society Day. | IEI(India), Tripura State Centre jointly with DIT, Govt. of Tripura & NIELIT     | Seminar Hall, IEI Agartala | 17.05.2019                 |
| 22 | Faculty Development Programme on Learning Management Systems .  | Faculty of Science and Technology department                                     | ICFAI University, Tripura  | 8.7.2019 to 10.07.2019     |
| 23 | Workshop on "Machine Learning using Python"   | Department of Computer Science and Engineering                                   | ICFAI University, Tripura  | 25.10.2019 & 26.10.2019    |
| 24 | Workshop on "Network Security"  | Department of Computer Science and Engineering                                   | ICFAI University, Tripura  | 14.11.2019 & 15.11.2019    |
| 25 | Workshop on "Data Sciences"   | Department of Computer Science and Engineering                                   | ICFAI University, Tripura  | 27th to 31st January, 2020 |
| 26 | Seminar on "Intellectual Property Rights"   | Faculty of Science and Technology department                                     | ICFAI University, Tripura  | 31.01.2020                 |
| 27 | Workshop on "Blockchain Technology"   | Department of Computer Science and Engineering                                   | ICFAI University, Tripura  | 6th & 7th February, 2020   |
| 28 | Online Guest lecture on "Artificial Intelligence"   | Department of Computer Science and Engineering                                   | ICFAI University, Tripura  | 15.05.2020                 |
| 29 | Online Guest lecture on “IT driven Startups & Innovation”   | Department of Computer Science and Engineering                                   | ICFAI University, Tripura  | 18.05.2020                 |
| 30 | Online Guest lecture on "IoT"   | Department of Computer Science and Engineering                                   | ICFAI University, Tripura  | 22.05.2020                 |
| 31 | Online Guest lecture on "Android Technology"  | Department of Computer Science and Engineering                                   | ICFAI University, Tripura  | 26.05.2020                 |
| 32 | Online Guest lecture on "Running trends in  | Department of Computer Science and Engineering                                   | ICFAI University, Tripura  | 10.06.2020                 |

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|    | software companies for web technology and various type of carriers in software company." |  |                           |                              |
| 33 | Online Guest lecture on "DevOps"   | Department of Computer Science and Engineering | ICFAI University, Tripura | 22.06.2020                   |
| 34 | Online guest lecture on "Career industry by using Oracle DBA"                            | Department of Computer Science and Engineering | ICFAI University, Tripura | 08.7.2020                    |
| 35 | FDP on Learning Management Systems   | Faculty of Science and Technology              | ICFAI University, Tripura | 1.7.2020 to 7.7.2020         |
| 36 | Online Guest Lecture on "Data Science"   | Department of Computer Science and Engineering | ICFAI University, Tripura | 22.10.2020                   |
| 37 | <i>Online Guest Lecture on "Artificial Intelligence"</i>                                 | Department of Computer Science and Engineering | ICFAI University, Tripura | 09.12.2020                   |
| 38 | <i>Online Guest Lecture on "Big Data &amp; Hadoop"</i>                                   | Department of Computer Science and Engineering | ICFAI University, Tripura | 11.01.2021                   |
| 39 | <i>FDP on "Machine Learning and Optimization for Uncertain Decision Making"</i>          | Department of Computer Science and Engineering | NIT Warangal              | 5th March to 9th March, 2021 |
| 40 | <i>Workshop on "Web Security"</i>  | Department of Computer Science and Engineering | ICFAI University, Tripura | 06.05.2021 & 07.05.2021      |
| 41 | Online FDP on Artificial Intelligence and Machine Learning                               | Department of Computer Science and Engineering | ICFAI University, Tripura | 13th to 17th September, 2021 |
| 42 | Participated in the Online FDP on "Artificial Intelligence, Machine Learning & Robotics" | Department of Computer Science and Engineering | USTM                      | 6th to 10th September, 2021  |
| 43 | Workshop on "Advanced Application Penetration Testing".                                  | Department of Computer Science and Engineering | ICFAI University, Tripura | 07.04.2022 & 08.04.2022      |

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| 44 | Online FDP on "Recent Trends in Computer Science and Engineering"  | Department of Computer Science and Engineering   | ICFAI University, Tripura       | 01.08.2022 to 05.08.2022 |
| 45 | Workshop on "Data Science and Machine Learning".   | Department of Computer Science and Engineering   | ICFAI University, Tripura       | 09.11.2022 & 10.11.2022  |
| 46 | Workshop on "Machine Learning Using Python".   | Department of Computer Science and Engineering   | ICFAI University, Tripura       | 28.03.2023 & 29.03.2023  |
| 47 | Workshop on Internal Quality Enhancement   | IQAC, Icfai University, Tripura  | IQAC, ICFAI University, Tripura | 10.07.2023 to 14.07.2023 |
| 48 | FDP on: Sustainable Engineering: Integrating Multidisciplinary Approaches for Greener Future                           | Department of Mechanical Engineering and Department of Civil Engineering, ICFAI University, Tripura. | ICFAI University, Tripura       | 17.07.2023 to 21.07.2023 |
| 49 | FDP on The Recent Trends in Technology   | Department of ECE and EE, ICFAI University, Tripura.   | ICFAI University, Tripura       | 3.7.2023 to 7.7.2023     |
| 50 | Organized and participated in the International Conference on "Advanced Communications and Machine Intelligence 2023 " | ICFAI Technical School   | The ICFAI University, Tripura   | 01.11.2023 to 02.11.2023 |