

# SHORT BIODATA OF MR. JOYANTO ROYCHOUDHARY

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Former IEEE Professional Member since 2013.  
Member, Publons(as a "Reviewer of International Journal  
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**Joyanto Roychoudhary**

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**Engineering & Technology / Electrical & Electronic Engineering**

**AD Scientific Index ID: 4959035**

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**Publications 1** Journal Articles **7** Conference Proceedings **8** Review **1** Editorial

Citations / H-Index

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**Joyanto Roychoudhary**

- Phd. registered Maulana Abul Kalam Azad University Of Technology
- M.Tech Research Scholar at National Institute of Technology Durgapur

Durgapur, India

9.8 Research Interest Score

1 Citation

1 h-index

○ **1<sup>st</sup> Patent Published on: 13/10/2023.**

**Title Of Invention: Artificial Intelligence Based system for prediction and prevention of kidney disease using Machine Learning Algorithms.** Published Design patent titled "Artificial Intelligence based system for prediction and prevention of kidney disease using machine learning algorithms" by Dr. Manash Chanda, Prof. Indrajit Das, Dr. Papiya Debnath, Dr. Swapnadip De, Prof. Sudipta Ghosh, Dr. Swarnil Roy, Prof. Subhprapratim Nath, Prof. Papiya Das, **Prof. Joyanto Roychoudhary**, Design application no 202331057524, Date of publication 13/10/2023.

○ **1<sup>st</sup> Published Book Chapter on 28/02/2025:by Joyanto Roychoudhary and Neeraj Kumar**

**Title Of Book: Emerging Research Trends in Computer Science and Information Technology.** Title Of Book chapter: **Wavelets: A Mathematical Paradigm**

**First Edition, Feb,2025, Bhumi Publishing, Nigave Khalasa, Kolhapur 416207, Maharashtra, INDIA,website: [www.bhumipublishing.com](http://www.bhumipublishing.com),Contact Number: +91-9511266950, 7588577082**

Emerging Research Trends in Computer Science and Information Technology (ISBN: 978-93-48620-71-2) Editors Dr. Shivamurthaiah M Department of Computer Science and Dr. Avinash N Department of Computer Science and Engineering, APS College of Engineering, Bengaluru Dr. Praveen Kumar K Department of Computer Science, B. S. Channabasappa First Grade College, Engineering Brindavan College of Engineering, Bengaluru Mr. Pardeep Kumar Department of Mathematics, Guru Kashi University, Davanagere, Karnataka February 2025 Talwandi Sabo, Punjab.

○ IIP Book Series Editors:IIPV3EBS12\_G17 Futuristic Trends in Electronics & Instrumentation Engineering, Editors: Dr. Chittajit Sarkar, PhD, Associate Professor, Asansol Engineering College,, Asansol, West Bengal, India. Dr. Rajib Biswas, PhD, Faculty, Physics, Tezpur University, Tezpur, Assam, India. Dr. Vijay Sharma, Ph D, Assistant Professor, Physics, Government Mahila Engineering College, Ajmer, Rajasthan, India. **Joyanto Roychoudhary, M.Tech, (Phd), Assistant Professor, Meghnad Saha Institute of Technology, Uchhepota, Kolkata, West Bengal, India. IIP ID: IIPER1675937466**

**1<sup>st</sup> Published Book Chapter on 28/02/2025:by Joyanto Roychoudhary and Neeraj Kumar**

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Emerging Research Trends in Computer Science and Information Technology (ISBN: 978-93-48620-71-2) Editors Dr. Shivamurthaiah M Department of Computer Science and Dr. Avinash N Department of Computer Science and Engineering, APS College of Engineering, Bengaluru Dr. Praveen Kumar K Department of Computer Science, B. S. Channabasappa First Grade College, Engineering Brindavan College of Engineering, Bengaluru Mr. Pardeep Kumar Department of Mathematics, Guru Kashi University, Davanagere, Karnataka February 2025 Talwandi Sabo, Punjab.

**2<sup>nd</sup> Published Book Chapter on 06.05.2025 5G - THE FUTURE OF SEAMLESS WIRELESS CONNECTIVITY,**

**Joyanto Roychoudhary**, Department of ECE, Meghnad Saha Institute of Technology, Kolkata, West Bengal 700150, Corresponding author E-mail: [joyanto.roychoudhary296@msit.edu.in](mailto:joyanto.roychoudhary296@msit.edu.in), **Trends in Computer Science and Information Technology Research (ISBN: 978-93-48620-32-3), BHUMI Publishing, India, First Edition, April, 2025. Editors:** Mr. Digambar D. Kulkarni Department of Physics, Dapoli Urban Bank Senior Science College, Dapoli, Dist. Ratnagiri, M.S. , Ms. Poonam Angurala Department of Education, Sri Guru Ram Dass College of Education, Pandher, Amritsar, Punjab, Mr. Ranveer Singh Department of Computer Science,Guru Kashi University, Talwandi Sabo, Punjab, Er. Anchal Nayyar , School of Engineering, Design and Automation, GNA University, Phagwara, Punjab.

**3<sup>rd</sup> Published Book Chapter on 09.12.2025 MULTIPLE ACCESS SCHEMES FOR 5G,** *Joyanto*

*Roychoudhary*, Department of ECE, Meghnad Saha Institute of Technology, Kolkata, West Bengal 700150, Corresponding author E-mail: [joyanto.roychoudhary296@msit.edu.in](mailto:joyanto.roychoudhary296@msit.edu.in) in **Computing 5.0: Rise of Smart Systems and Analytical Intelligence, (ISBN: 978-93-48620-86-6), DOI: <https://doi.org/10.5281/zenodo.17867123>**

**4<sup>th</sup> Published Book Chapter on 26.02.2026 5G SECURITY: ARCHITECTURE, THREATS AND**

**DEFENSE MECHANISMS,** *Joyanto Roychoudhary*, Department of ECE, Meghnad Saha Institute of Technology, Kolkata, West Bengal 700150, Corresponding author E-mail: [joyanto.roychoudhary296@msit.edu.in](mailto:joyanto.roychoudhary296@msit.edu.in) in **Intelligent Computing and AI Frontiers, (ISBN: 978-93-47587-80-1), DOI: <https://doi.org/10.5281/zenodo.18822207>**

Teachers and administrators have an important relationship that often involves collaborating to make important decisions. We must explore how teachers and administrators work together to develop curricula, determine educational standards and establish parent engagement, and discover some reasons for collaborating.



Mr. Joyanto Roychoudhary graduated in Electronics and Communication Engineering from MBES College Of Engineering, Ambajogai in 2001. He obtained his M.Tech degree in Telecommunications from NIT, Durgapur, Deemed University. He is presently pursuing Ph. D in Engineering from ETCE Dept., Maulana Abul Kalam Azad University Of Technology(MAKAUT)since 2021.At present, he is working as an Assistant Professor in the Department of ECE, Meghnad Saha Institute of Technology since August 2019. He is a GraduateMember of IEEE and is currently a Member of the IEEE APS and MTT-S. Mr. Roychoudhary has reviewed quite a number of IEEE, Journals and conferences and also a reviewer of Reputed Journals like IJEE,

IJECS, **SPRINGER,SPRINGER-NATURE, ACADEMIA, ACADEMIA QUANTUM**, AJEAS, IJ-ICT, Journal of Education and Learning (EduLearn), 3ICT2021, CSIT, IJRA-IAES, IAES International Journal of Robotics and Automation,BEEI,CMC, BEIESP and other SCI Journals. At present, he is also linked to various Editorial Boards such as IEEE, Medicon Open-Access, SCOPUS, SCOPIA, SYNC-SCI,IOP-Publishing to name a few. His current research interest span the Meta-Heuristic Optimization Algorithms,Phased Array,Microstrip Antennas and components,Wireless Networks and Spintronic Devices. He has also served as an **EDITOR for the book series: “ IIPV3EBS12\_G17 Futuristic Trends in Electronics & Instrumentation Engineering ”** .He has been a “**Session Chair**” for the 1<sup>st</sup> IEEE International conference on Data Science and Network Security(ICDSNS-2023) organized by Kalpataru Institute Of Technology, Tiptur, Karnataka on 28-29<sup>th</sup> July, 2023. He has attended various workshops , FDP’s including **ATAL AICTE FDP’s** , **Corporate FDP’s on cutting edge technologies such as AI/ML/DL/Gen-AI, Agentic-AI,etc.**,conferences , seminars and technical talks.

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Google Scholar Profile : Assistant professor of Electronics and communicationEngineering, Verified email at msit.edu.in.

[https://scholar.google.com/citations?user=Mg1U\\_koAAAAJ&hl=en](https://scholar.google.com/citations?user=Mg1U_koAAAAJ&hl=en).

Research Gate Profile:- [https://www.researchgate.net/profile/Joyanto-Roychoudhary?ev=hdr\\_xprf](https://www.researchgate.net/profile/Joyanto-Roychoudhary?ev=hdr_xprf)

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## ➤ EDUCATIONAL QUALIFICATIONS

1. Phd - 2021 Maulana Abul Kalam Azad University Of Technology, MAKAUT, Kolkata( 5G Antenna Design, ECE, **THESIS TITLE: "Advanced Antenna Design for mm-Wave 5G applications"**) Phd. Registered: PHD/TECH/ECE004/2021. **Date of Enrolment: 18.11.2021/ Date of Registration: 24.08.2023**. Completed Coursework at Swayam/NPTEL: Scores:- Antennas:82%( ELITE+SILVER), Microwave: 72%(ELITE), Introduction to Research: 85%( Top 5%, ELITE+SILVER), Research Publication and Ethics(MAKAUT): 92%.

2. M.Tech - 2009 NIT Durgapur, Deemed University(Telecommunications, ECE) (CGPA-8.33/10)

3. B.ENGG - 2001 Dr. Babasaheb Ambedkar Marathwada University(ETCE) (1033/1500, 69% aggregate)

4. HSc(12<sup>th</sup>) -Physics, Chemistry , Mathematics, CBSE.(70%)

5. SSc(10<sup>th</sup>) - Physics, Chemistry , Mathematics, CBSE.(79%)

## ➤ Licenses & certifications

Python Data Structures Python Data Structures

CourseraCourseralIssued Sep 2021Issued Sep 2021Credential ID 5VQVM22Q4BMLCredential ID 5VQVM22Q4BML

Skills: Python (Programming Language) · Engineering · Machine LearningSkills: Python (Programming Language) · Engineering · Machine Learning

Programming for Everybody (Getting Started with Python)Programming for Everybody (Getting Started with Python)

CourseraCourseralIssued Aug 2021Issued Aug 2021Credential ID 5ZQYZHGX5BDCCredential ID 5ZQYZHGX5BDC

Skills: Python (Programming Language) · Engineering · Machine Learning

Skills: Python (Programming Language) · Engineering · Machine Learning

• IBM Data Science Professional Certificate• IBM Data Science Professional Certificate

IBMIBMIssued Oct 2021 · Expired Oct 2023Issued Oct 2021 · Expired Oct 2023

Skills: Python (Programming Language) · Engineering · Machine Learning



## PROFESSIONAL EXPERIENCE

- Presently working as Assistant Professor in the department of ECE at Meghnad Saha Institute Of Technology(TIG- Group) from July,16,2019-till date. [Employee Id MSIT: 14273(TIG Group)].
- Worked as Assistant Professor Grade-III in the department of ECE at B.P.Poddar Institute of Management and Technology from Jan,16,2017-July,16,2019.
- Assistant Professor at Neotia Institute of Technology Management and Science (Formerly ITME), Kolkata, since Nov.2010 to 06- Sep,2016 in the department of Electronics and Communication Engineering.
- Served as Lecturer in Heritage Institute of Technology Kolkata in the department of Electronics and Communication Engineering, (Feb-Nov 2010)
- Promoted as a Lecturer in Dr. B.C. Roy Engineering college, Durgapur in the department of Electronics and Communication Engineering, (2006-2010)
- Served as a Tech. Assistant in Dr. B.C. Roy Engineering college Durgapur in the department of Electronics and Communication Engineering, (2003-2006).
- **INDUSTRIAL EXPERIENCE**
  - Worked as a Sales Engineer in Vision Comptel (a subsidiary of Tata Honeywell, Kolkata) (Sep 2002-Feb 2003).
  - Tech Support Engineer in Avid Communications (Bharti Telecom), Kolkata (Sep 2001-Sep 2002)
  - Software Developer in Resolution Global Industries Pvt. Ltd. In .NET with C# and SQL-SERVER. Released on Dec 31<sup>st</sup>·2016 joined on September,2016.

## ➤ Courses taught and laboratories taken:

Course Title	Year/sem/sec.
Odd-Wireless Communication(ECE)( Nitmas/Bppimt) Even:Mobile Computing. (ECE)(Nitmas)	Odd: 4 <sup>th</sup> /7 <sup>th</sup> /B Even: 4 <sup>th</sup> /8 <sup>th</sup> /B
Odd: Solid State Devices(ECE)(Brec/Nitmas) Even: EM Theory and Transmission Lines.(ECE)(Bppimt/Msit)	Odd: 2 <sup>nd</sup> /3 <sup>rd</sup> /A Even: 2 <sup>nd</sup> /4 <sup>th</sup> /B
Odd- Digital Electronics.(ECE/EEE)(Brec/Nitmas/Hit/Bppimt) Even: Digital Communication(ECE)(Bppimt)	Odd: 2 <sup>nd</sup> /4 <sup>th</sup> /B Even: 3 <sup>rd</sup> /6 <sup>th</sup> /A+B
Odd: Analog Communication(ECE)(Bppimt) Even: Communication Engg. And Coding Theory.(IT/CSE)(Nitmas/Bppimt)	Odd: 3 <sup>rd</sup> /5 <sup>th</sup> /B Even: 2 <sup>nd</sup> /4 <sup>th</sup> /CSE+IT.
Odd: RF and Microwave Engineering.(ECE)(Bppimt) Even: Information and Coding theory.(ECE)(Brec/Nitmas) Even:Power Electronics(ECE)/(Brec/Hit)	Odd: 4 <sup>th</sup> /7 <sup>th</sup> /B Even: 3 <sup>rd</sup> /6 <sup>th</sup> /A Even:3 <sup>rd</sup> Year,6 <sup>th</sup> Sem.
Odd: Microprocessors and Microcontrollers.(ECE/CSE/EE/IT)(Bppimt) Even: Electronic Measurement and Instrumentation.(ECE)( <b>Elective Paper</b> )(Bppimt)	Odd: 3 <sup>rd</sup> /5 <sup>th</sup> /A+B Even: 3 <sup>rd</sup> /6 <sup>th</sup> /B
Odd: Analog Electronics(EE)(Msit) Odd: Digital Electronics(IT)(Msit/Nitmas) Odd: Advanced Data Communication and Coding.(IT)( <b>Elective Paper</b> )(Nitmas/Msit) Odd:Analog and Digital Electronics(IT)(Msit) Even: Digital Electronics(EE).(Brec/Nitmas/Msit) Even: Analog Electronics(ECE).(Msit) Even : Audio and Speech Processing(CSE)( <b>Elective Paper</b> )(Msit)	Odd: 3 <sup>rd</sup> /EE-A+B Odd: 3 <sup>rd</sup> /IT Odd: 7 <sup>th</sup> /IT Even: 4 <sup>th</sup> /EE-B Even: 4 <sup>th</sup> /ECE. Even : 8 <sup>th</sup> /ECE
Odd: Electromagnetic Wave(ECE)(Msit) Odd: Speech and Audio Processing(ECE)( <b>Elective Paper</b> )(Msit) Odd:Analog Electronics(EE)(Msit) Odd:Analog and Digital Electronics(IT)(Msit)	Odd:3 <sup>rd</sup> Year,5 <sup>th</sup> Sem Odd: 3 <sup>rd</sup> Year,5 <sup>th</sup> Sem Odd:2 <sup>nd</sup> Year,3 <sup>rd</sup> Sem. Odd:2 <sup>nd</sup> Year,3 <sup>rd</sup> Sem.
Even: Digital Electronics(EE)MSIT. Even: Computer Networks(ECE)MSIT Even:Computer Organization(ECE)MSIT Even:Computer Architecture(ECE)MSIT	Even:2 <sup>nd</sup> Year,4 <sup>th</sup> sem.EE Even: 3 <sup>rd</sup> Year ,6 <sup>th</sup> sem.ECE Even:3 <sup>rd</sup> year, 6 <sup>th</sup> sem, ECE Even:3 <sup>rd</sup> year, 6 <sup>th</sup> sem, ECE
Odd: EM Wave(MSIT) Odd: Analog and Digital Electronics(CSE-A & B)(Msit)	Odd: 3 <sup>rd</sup> year, 5 <sup>th</sup> sem, ECE. Odd: 2 <sup>nd</sup> year, 3 <sup>rd</sup> sem, CSE.
Even: Antenna and Propagation Even: Microwave Integrated Circuits Even: Computer Networks Even: Computer Networks Lab( <b>Socket Programming in Python and Java base</b> )	Even: 4 <sup>th</sup> year, 8 <sup>th</sup> sem Even: 4 <sup>th</sup> year, 8 <sup>th</sup> sem Even: 3 <sup>rd</sup> year, 6 <sup>th</sup> sem. Even: 3 <sup>rd</sup> year, 6 <sup>th</sup> sem.
Even: Design and Analysis of Algorithms	Even: 2 <sup>nd</sup> year, 4 <sup>th</sup> sem

<p>Odd: Electromagnetic Wave(ECE)(Msit)          Odd: Digital Signal Processing(ECE)(Msit)          Odd: Career Development Program(ECE)(Msit)(Embedded Systems)          Odd: Nanoelectronics(ECE)(Msit)          Odd: Analog and Digital Electronics.(IT, MSIT)</p>	<p>Odd:3<sup>rd</sup> Year,5<sup>th</sup> Sem          Odd: 3<sup>rd</sup> Year,5<sup>th</sup> Sem          Odd: 3<sup>rd</sup> Year,5<sup>th</sup> Sem          Odd: 3<sup>rd</sup> Year,5<sup>th</sup> Sem          Odd:2<sup>nd</sup> Year,3<sup>rd</sup> Sem.</p>
<p>Even: Operating Systems          Even: Design and Analysis of Algorithms          Even: Computer Networks Lab(<b>Socket Programming in Python and Java base</b>)          Even: Microprocessor Lab</p>	<p>Even: 3<sup>rd</sup> year, 6<sup>th</sup> sem.          Even: 2<sup>nd</sup> year, 4<sup>th</sup> sem.          Even: 3<sup>rd</sup> year, 6<sup>th</sup> sem.          Even: 2<sup>nd</sup> year, 4<sup>th</sup> sem.</p>

<b>Sl. No</b>	<b>Institute Name</b>	<b>Course Name</b>	<b>Semester</b>	<b>Tag</b>
<b>1</b>	<b>142-MEGHNAD SAHA INSTITUTE OF TECHNOLOGY</b>	<b>Bachelor of Technology in Electronics &amp; Communication Engineering</b>	<b>Fifth Semester ( 5th Sem)</b>	<b>(5587)Electromagnetic Waves-EC501-N</b>
<b>2</b>	<b>142-MEGHNAD SAHA INSTITUTE OF TECHNOLOGY</b>	<b>Bachelor of Technology in Electronics &amp; Communication Engineering</b>	<b>Fifth Semester ( 5th Sem)</b>	<b>(5576)Digital Signal Processing-EC504-N</b>
<b>3</b>	<b>142-MEGHNAD SAHA INSTITUTE OF TECHNOLOGY</b>	<b>Bachelor of Technology in Electronics &amp; Communication Engineering</b>	<b>Fifth Semester ( 5th Sem)</b>	<b>(5586)Electromagnetic Wave Lab-EC591-N</b>
<b>4</b>	<b>142-MEGHNAD SAHA INSTITUTE OF TECHNOLOGY</b>	<b>Bachelor of Technology in Computer Science &amp; Engineering</b>	<b>Third Semester ( 3rd Sem)</b>	<b>(3442)Analog and Digital Electronics- ESC301-N</b>
<b>5</b>	<b>142-MEGHNAD SAHA INSTITUTE OF TECHNOLOGY</b>	<b>Bachelor of Technology in Computer Science and Engineering (Data Science)</b>	<b>Third Semester ( 3rd Sem)</b>	<b>(3442)Analog and Digital Electronics- ESC301-N</b>
<b>6</b>	<b>142-MEGHNAD SAHA INSTITUTE OF TECHNOLOGY</b>	<b>Bachelor of Technology in Artificial Intelligence and Data Science</b>	<b>Third Semester ( 3rd Sem)</b>	<b>(3442)Analog and Digital Electronics- ESC301-N</b>
<b>7</b>	<b>142-MEGHNAD SAHA INSTITUTE OF TECHNOLOGY</b>	<b>Bachelor of Technology in Artificial Intelligence and Data Science</b>	<b>Third Semester ( 3rd Sem)</b>	<b>(3448)Analog and Digital Electronics Lab-ESC391-N</b>

Sl. No	Institute Name	Course Name	Semester	Tag
8	142-MEGHNAD SAHA INSTITUTE OF TECHNOLOGY	Bachelor of Technology in Computer Science & Engineering	Third Semester (3rd Sem)	(3448)Analog and Digital Electronics Lab-ES-CS391-N
9	142-MEGHNAD SAHA INSTITUTE OF TECHNOLOGY	Master of Technology in Electronics & Communication Engg.	First Semester (1st Sem)	(10888)Semiconductor Device Modelling-MVDC101-B
10	142-MEGHNAD SAHA INSTITUTE OF TECHNOLOGY	Bachelor of Technology in Electronics & Communication Engineering	Sixth Semester (6th Sem)	(6754)Operating System-OE-EC604B-N

## ➤ Committee Memberships at MSIT:

### Member Of College(MSIT), Institute Innovation Council,MHRD,Govt. Of India.(MHRD-IIC,MSIT)

National Innovation and Start-up policy for students and Faculty-A guiding Framework for HEI's for Implementation. IIC INSTITUTE ID: IC201912408

### Member of College(MSIT), Games and Sports Committee.(2020-2022)

Appointed as a Member of **MAR**(Mandatory Additional Requirement)(2020-2022) Committee(MSIT) with effect from 01.09.2020.For co-ordination and Execution of MAR as per the guidelines of affiliating University.

Appointed as a Assisting Member of **Central Examination Committee(MSIT)** with effect from 01.08.2020.

Appointed as a Assisting Member of **Central Routine Committee(MSIT)** with effect from 01.08.2020.

Appointed as a Assisting Member of **Training Placement Committee(TPCC)(MSIT)** with effect from 01.08.2020.

Appointed as a Member of **Central WebsiteCommittee(MSIT)** with effect from 01.08.2020.

Appointed as a Member of **Alumni Committee(MSIT)** with effect from 01.08.2021.

Innovation Ambassador, IIC MSIT.

## Administrative Responsibilities:

- Invigilation for MAKAUT exam:
  - Odd: 4 (7/12, 8/12, 11/12, 14/12)
  - Even: 6 (24/5, 29/5 (E), 30/5, 31/5, 1/6, 2/6)
- Invigilation for institute class test exam:
  - Odd:
    - A) Class test 1 as allotted on 09/09/2017 & 12/09/2017.
    - B) Class test 2 as allotted on 7/11/2017 & 14/11/2017.
  - Even:
    - A) Class test1 as allotted on 10/03/2018 & 13/03/2018.

B) Class test2 as allotted on 24/04/2018 & 25/04/2018.

- Question paper setting
- Model question paper for EC701 had been submitted to MAKAUT on 23/09/2017.
- Model question paper for EC701 had been submitted to MAKAUT on 04/10/2018.
- Odd:
- Question paper for class test1 for EC701 submitted on 31/08/2017.
- Question paper for class test 2 for EC701 submitted on 31/10/2017.
- Question paper for class test 1 for EC701 submitted on 31/09/2018.
- Question paper for class test 2 for EC701 submitted on 01/10/2018.
- Evaluation & marks submission
- Odd:
- Marks submitted for EC701 on 8/12/17.
- Marks submitted for ES-101 on 8/12/17.
- Marks submitted for EC701 on 10/12/18
- Even:
- Marks submitted for EC(EE)-695C on 26/5/17.
- Marks submitted for ES-201 on 29/5/18.

Odd:

- Evaluation of answer scripts for class test1 had been submitted on 15/09/2017.
- Evaluation of answer scripts for class test 2 had been submitted on 16/11/2017.
- Evaluation of answer scripts for class test1 had been submitted on 20/09/2018
- Evaluation of answer scripts for class test 2 had been submitted on 29/11/2018.
- Even:
- Evaluation of answer scripts for class test 1 had been submitted on 15/03/2018.
- Evaluation of answer scripts for class test 2 had been submitted on 27/05/2018.
- Invigilation Of West Bengal Joint Exam 2017/18.(WBJEE-2017/2018).
- Invigilation Of ISRO Exam 2017/18.(ISRO-2017/2018).
- Completed B.P.Poddar Institute Of Management and Tech. NBA Accreditation Process.(NBA Accredited Programs in BPPIMT:ECE,CSE,ITand EE.

**At MSIT:-**

- Invigilation Of West Bengal Joint Exam 2019.(WBJEE-2019).
- Appointed as an Expert for preparation of question Bank for the subject “Audio and Speech Processing” for the 8<sup>th</sup> semester ECE students.
- Invigilation of NEET-2020 Exam conducted by NTA on 13.09.2020(Sunday).
- Appointed as a Member of **MAR**(Mandatory Additional Requirement) Committee(**MSIT**) with effect from 01.09.2020.For co-ordination and Execution of MAR as per the guidelines of affiliating University.
- Appointed as a Assisting Member of **Central Examination Committee(MSIT)** with effect from 01.08.2020.
- Appointed as a Assisting Member of **Central Routine Committee(MSIT)** with effect from 01.08.2020.
- Appointed as a Assisting Member of **Training Placement Committee(TPCC)(MSIT)** with effect from 01.08.2020.
- Appointed as a Assisting Member of **Central Website Committee(MSIT)** with effect from 01.08.2020.
- Appointed as a Assisting Member of **Alumni Committee(MSIT)** with effect from 01.08.2021.
- **Member of College(MSIT), Games and Sports Committee.**
- Presently Involved in the College accreditation Process by the NBA.
- Appointed as Lead Faculty for various domain related subjects in University curriculum.
- Curriculum Developer for the 3<sup>rd</sup> Year, 5<sup>th</sup> sem B.Tech course Electromagnetic wave with course code EC 501.
- Invigilation Of West Bengal Joint Exam 2021.(WBJEE-2021) on 17.07.2021(Saturday).
- Invigilation Of JENPAS- 2021 Exam on 31.07.2021(Saturday).
- Invigilation Of ANM( R) & GNM-2021 Examination held on 22.08.2021(Sunday).
- Lab In-charge Electromagnetic wave Lab with course code EC 591 at MSIT.
- Lab In-charge Computer Networks Lab with course code EC 692 at MSIT.
- Invigilation Of JENPAS- 2022 Exam on 15.05.2022(Sunday).
- Invigilation Of CUET- 2022 Exam(online) on 15.07.2022(Friday)

- Assigned as Examiner for odd semester examinations 2022-23 as per details below:Name of paper : Electromagnetic Waves-EC501(5587)
- Assigned as Examiner for odd semester examinations 2022-23 as per details below:Name of paper : Analog and Digital Electronics-ESC301(3442)
- You have been nominated by the Principal /Director of your college to act as the expert to prepare Question Bank with model answer for the Even semester Examination 2022-2023.
- The paper detail is mentioned below :
- Paper Code : **PE-EC801A** UPID : **8298**
- Paper Name : **Antennas and Propagation**
- Invigilation Of JENPAS- 2023 Exam on 15.05.2022(Sunday).
- Invigilation Of ANM( R) & GNM-2023 Examination held on 22.08.2021(Sunday).
- Invigilation Of West Bengal Joint Exam 2021.(WBJEE-2024)
- Invigilation Of JENPAS- 2024 Exam
- Invigilation Of NEET- 2024 Exam

## ➤ **Project Guidance:**

1. Avradita ,M.Tech(VLSI), MSIT Topic(Ongoing):"Vehicle Lane detection using Deep Learning model "
2. Line Following and Obstacle Avoiding Bot,ARPAN KUNDU, Roll No.14200319053,RITOBHRATA MANDAL, Roll No.14200319046,SAPTARSHI CHAKRABORTY, Roll No.14200319055,Under the Guidance of :Prof. Joyanto RoyChoudhary, Assistant Professor,Electronics and Communication Engineering Department,Meghnad Saha Institute of Technology ,Kolkata
3. A Novel Prototype Used To Combat The Potential Spread Of COVID-19 Disease Arkapriya Gupta\*<sup>1</sup>, Ruparna Bose\*<sup>2</sup>, Joyanto Roychoudhary\*<sup>3</sup> \*<sup>1,2</sup>Student, Electronics and Communication Engineering, Meghnad Saha Institute Of Technology, Kolkata, West Bengal, India. \*<sup>3</sup>Faculty Advisor, Assistant Professor in the Department Of Electronics and Communication Engineering, Meghnad Saha Institute Of Technology, Kolkata, West Bengal, India
4. Bidirectional Visitor counter in OpenCV.

## ➤ **Honours and Awards**

1. Session Chair - 2023 1st IEEE International conference on Data Science and Network Security(ICDSNS-2023) organized by Kalpataru Institute Of Technology, Tiptur, Karnataka on 28-29th July, 2023
2. Rank in University/Institution:39; Rank in country: 77,659; Rank in Region/Asia: 398,886;World Rank: 1,342,242 - 2023 AD Scientific Index - World Scientists Rankings – 2023(Joyanto Roychoudhary)
3. Outstanding Scientist Award Presented to Dr. Joyanto Roy Choudhary Assistant Professor, Department of Electronics and Communication Engineering, Ruby General Hospital, West Bengal, India. - 2022 International Eminent Awards on Engineering, Science and Medicine
4. TOP 5% in Introduction to Research-Phd Coursework-Score-85%-8- weeks course - 2022 NPTEL/SWAYAM
5. Awarded Best Fellow Researcher in Respective Research Field - 2019 Vedant-Bangkok-2019 awards nomination sponsored by IARDO(Research Development Organization) Nomination cum Awardee Id: Vedant-Bangkok-2019 Award/IARDO/443

6. Awarded best researcher in the respective field - 2019 IARDO collaboration with 2nd International Award Conference on Research, Analyze, Communicate and Evaluate (Gurukul RACE- 2019' India) Nomination / Awardee ID: GIET/2019/IARDO/940

7. Served as a Member of TPC of **IICAIET 2022/2023/2024 IEEE International Conference on Artificial Intelligence in Engineering and Technology, Kota Kinabalu, Sabah (Hybrid Mode)**. <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10291424>

8. Technical Program Committee | **IEEE Future Networks World Forum**, Joyanto Roychoudhary, Meghnad Saha Institute Of Technology, <https://fnwf2025.ieee.org/committees/technical-program-committee>

### ➤ **FDP and SDP Software Development Courses Completed under EICT Academy, IIT Kanpur:**

- Full Stack (FDP)
- Fundamentals of 'C++' Programming (SDP EICT)
- OOPs with Core Java (SDP EICT)
- Cloud Computing – AWS (SDP EICT)
- Deep Learning using TensorFlow and Keras (FDP EICT)
- Web Development using Angular (SDP EICT)
- App Development with Android (SDP EICT)
- Django Web Framework (SDP EICT)

### ➤ **Software Development Courses Completed under Pantech E-Learning:**

- Python Full Stack
- Java Full Stack
- APSSDC Certified Masterclass on ADVANCED PYTHON PROGRAMMING
- Web Development Full Stack using React JS.
- APSSDC Certified Masterclass on ARTIFICIAL INTELLIGENCE

### ➤ **Software proficiency**

Application Tools- SPICE,H-SPICE, MATLAB(R2017a and R2018a), Mathematica, Antenna Magus, Sintesis, CCS studio, Ansoft HFSS R20 Electromagnetics Suite, Cadence Virtuoso, Mentor graphics,Synopsis TCAD,Cilvako,IE3D,Simon(Single Electron Transistors,SEDs) ,Moses(Monte – Carlo single Electron simulator under Nanotechnology domain), NG-SPICE(Spintronics), Tinker-CAD.

- Operating Systems- DOS, Windows, UNIX,LINUX, Raspberri Pi-3, Arduino.
- Languages- C, FORTRAN,PASCAL,C++,C#,.NET,Python,OOPS with Core Java, AWS Cloud.
- Application Package - MS Office.
- Databases Known – Oracle 8i,Sql-Server,Developer 6i(for Application development),Visual Basic,Visual C/C++.

## ➤ Skills & Endorsements

1. Software Development
2. C# .NET
3. ASP.NET

## ➤ Industry Knowledge

1. Wireless Technologies
2. Wireless Networking
3. Machine Learning
4. Artificial Intelligence (AI)
5. Data Science
6. Data Mining
7. Android Development

## ➤ Tools & Technologies

1. .NET Framework
  2. R
  3. Python Basics (Programming Language), Python Data Structures, Python with Django, Django Web Framework, Python Threads.
  4. AWS Cloud/IOT, Azure Cloud Integration, Dev-ops, OOPS with Core JAVA. App Development with Android.
  5. Node Red, Node.js, Angular.js, React.js/IOT, Web Development, Web Design Using Angular.
  6. **MERN(MongoDB, Express, React and Node.js)** Full Stack Development.
- Other Skills
1. Pattern Recognition
  2. R coding and Python
  3. Cyber Security
  4. Data Science
  5. Computational Intelligence

## ➤ Research Domains

Antennas, 5G, Metaheuristic optimization, Microwave Theory, Microwave components, Wireless Communication, 5G Mobile networking, mm-Wave Advanced Antenna Design, 5G Beam Scanning Phased Arrays, Phased Scanning Arrays for 5G Base Stations and Mobile Handsets, Antennas on PCB, Vivaldi Arrays, Antipodal 5G Fermi Arrays.

## ➤ Publications

- [1]. An Edge-Tapered Antipodal Beam Switching Antenna with 360° Azimuthal Beam Steering Joyanto Roychoudhary (1), Koushik Dutta (2), Anirban Chatterjee (2), Satyajit Chakrabarti (3), and Raj Mittra (4) (1) Dept. of ECE, Meghnad Saha Institute of Technology, Kolkata, India (joyanto.roychoudhary296@gmail.com) (2) Dept of ECE, Netaji Subhash Engineering College, Kolkata, India (koushikdutt@ieee.org) (3) The Society for Applied Microwave Electronics Engg.& Research, Kolkata, India (satyajit2.chak@gmail.com) (4) Dept of ECE, University of Central Florida, Orlando, USA & KAU EE Dept, Saudi Arabia (rajmittra@ieee.org) IEEE AP-S International symposium and ITNC-USNC-URSI Radio Science Meeting Conference Paper. Published in IEEE-Xplore, on 30, September,2024. **ISBN Information: Electronic ISBN:979-8-3503-6990-8 Print on Demand(PoD) ISBN:979-8-3503-6991-5 ISSN Information: Electronic ISSN: 1947-1491 Print on Demand(PoD) ISSN: 1522-3965** Volume-979-8-3503-6990-8/24/\$31.00 ©2024 IEEE , Year 2024, Pages-1861-1862, **DOI: [10.1109/AP-S/INC-USNC-URSI52054.2024.10685917](https://doi.org/10.1109/AP-S/INC-USNC-URSI52054.2024.10685917)**, **Publisher: IEEE, Conference Location: Firenze, Italy, Date of Conference: 14-19 July 2024, Date Added to IEEE Xplore: 30 September 2024, Published in: [2024 IEEE International Symposium on Antennas and Propagation and INC/USNC-URSI Radio Science Meeting \(AP-S/INC-USNC-URSI\)](#), [2024 IEEE International Symposium on Antennas and Propagation and INC/USNC-URSI Radio Science Meeting \(AP-S/INC-USNC-URSI\)](#) | 979-8-3503-6990-8/24/\$31.00 ©2024 IEEE | DOI: [10.1109/AP-S/INC-USNC-URSI52054.2024.10685917](https://doi.org/10.1109/AP-S/INC-USNC-URSI52054.2024.10685917)**
- [2] Linear Antenna Array Synthesis and Null Control for Wi-Max Applications for MIMO Channels using a Cognition based Improved Particle Swarm Optimization , Joyanto Roychoudhary, Koushik Dutta, Anirban Chatterjee in [Journal of Engineering and Technology Management](#) ISSN: 0923-4748 Scopus Indexed/UGC-CARE Group-II Journal and Multidisciplinary Journal(SCIE Journal), DOI: [View PDF <https://doi.org/20.14118/v74.2024.102260>](https://doi.org/20.14118/v74.2024.102260), Volume74 October-December 2024, Pg: 265-271. **(4725. JOURNAL OF ENGINEERING AND TECHNOLOGY MANAGEMENT, in SCIENCE CITATION INDEX EXPANDED(SCIE) - JOURNAL LIST 2024)**, Journal DOI: <https://doi.org/10.5281/zenodo.14196763>
- [3]. DESIGN AND DEVELOPMENT OF DUAL BAND ELECTRONIC SCANNING ARRAY FOR DUPLEX WIRELESS APPLICATIONS WITH HIGH GAIN ELLIPTICALLY POLARIZED AND BEAM SCANNING CAPABILITY WITH BUTLER MATRIX MULTIPLE BEAMFORMING Joyanto Roychoudhary, Koushik Dutta International Journal of creative research thoughts, IJCRT, UGC Approved Journal No: 49023 (18), UGC CARE Journal., Volume 11, Year 2023, Pages
- [4]. Artificial Intelligence Based system for prediction and prevention of kidney disease using Machine Learning Algorithms Joyanto Roychoudhary Patent/Invention, Volume , Year 2023, Pages
- [5]. Design and Development of a High Gain UWB Quasi-Conical beam 3- element Antenna based on the concept of Novel Fabry Perot Configuration Joyanto Roychoudhary Medicion Engineering Themes , Volume 4, Year 2023, Pages 01,**EDITORIAL**
- [6]. A Novel Prototype to Maintain Physical Distancing in Public Transport to stop the spread of Covid19 Arkajyoti Mitra,Joyanto Roychoudhary IEEE Solid-State Circuit Society (SSCS) Kolkata Chapter , Volume , Year 2021, Pages
- [7]. A Novel Simulation Study to Avoid the Covid-19 Potential Spread Problem Joyanto Roychoudhary,Arkapriya Gupta & Ruparna Bose IEEE Solid-State Circuit Society (SSCS) Kolkata Chapter , Volume , Year 2021, Pages
- [8]. Linear High Gain Dual Band Notch Scanning Beam Circularly Polarized Smart Antenna Array for 2.4 GHz and 5.8 GHz UHF RFID Reader Application Without any Central Null using Multi-Feed Orthogonal ButtlerMatrix Beam Former Formulation Joyanto Roychoudhary AEM-2019, Pune, June – 2019, 7th International conference on research developments in applied science engineering and management, Volume , Year 2019, Pages
- [9]. LINEAR ANTENNA ARRAY ADAPTIVE BEAMFORMING FOR SPACE-TIME SIGNAL PROCESSING USING HYBRID GENETIC ALGORITHMS APPLIED TO FADING CHANNELS. Joyanto Roychoudhary, Neeraj Kumar, Pushpendu Kanjilal Journal of Emerging Technologies and Innovative Research (JETIR) www.jetir.org, Volume Volume 5 | Issue 8 | Year August-2018, Year 2018, Pages Page No: 581-587
- [10]. Linear High Gain Dual Band Notch Scanning Beam Circularly Polarized Smart Antenna Array for 2.4 GHz and 5.8 GHz UHF RFID Reader Application Without any Central Null using Multi-Feed Orthogonal ButtlerMatrix Beam Former Formulation. Joyanto Roychoudhary In Scopus -ICME conference Warangal, Telangana, Volume , Year 2018, Pages

- [11]. Development of Capacitive Sensor Signal Conditioning System for Angular Displacement Measurement using Timer IC LM555 and UFDC Sumitesh Majumder, Joyanto Roychoudhary and Tapan Kumar Maiti Journal of Measurement Science and Instrumentation. CNKI China Knowledge Resource Integrated Database, Volume Issue 1, Year 2018, Pages p49-54. 6p
- [12]. Smart Antenna Array Adaptive Beamforming for Space-Time Signal Processing Using Hybrid Ga-Pso Cullled Mutation Operator Using A Novel Adaptive Equalizer Applied to Fading Channels, IEEE-ICIETS,Mysuru. Joyanto Roychoudhary, Arindrajit Chaudhury,Neeraj Kr. Proceedings Of The 1st International Conference on IEEE-ICIETS Mysuru, 2018.IEEE Bangalore Section. IEEE-XPLORE, Volume , Year 2018, Pages
- [13]. PHASED ARRAY ANTENNA ADAPTIVE BEAMFORMING FOR SPACE-TIME SIGNAL PROCESSING USING HYBRID GENETIC ALGORITHMS WITH MUTATION OPERATOR APPLIED TO RAYLEIGH FADING CHANNELS;Cited By 1 in Scopus Indexed Journal. Joyanto Roychoudhary, Neeraj Kr., Pushpendu Kanjilal International Journal of Electronics and Communication Engineering and Technology (IJECET)., Volume Vol. 3, Issue. 9, Year 2018, Pages pp. 36-46
- [14]. Linear Antenna Array Synthesis And Null Control for Wi-Max Applications using an Improved Particle Swarm Optimization Joyanto Roychoudhary,Pushpendu Kanjilal International Journal of Scientific & Engineering Research., Volume Vol. 8, Issue. 4, Year 2017, Pages pp. 1545-1553
- [15]. Circular Array Pattern Synthesis using Particle Swarm Optimization Joyanto Roychoudhary International Journal of Innovation in Engineering and Management, Volume Vol. 4, Issue. 6, Year 2017, Pages pp. 44-49
- [16]. MAGNETIC TUNNEL JUNCTION MODEL BASED UNIVERSAL NAND AND NOR LOGIC GATES Joyanto Roychoudhary,Sumitesh Majumdar,T.K. Maiti INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH TECHNOLOGY.(IJESRT)., Volume Vol. 6, Issue. 6, Year 2017, Pages pp. 46-50
- [17]. Modeling and Validation of Magnetic Tunnel Junction Device Joyanto Roychoudhary,Sumitesh Majumdar,T.K. Maiti Journal of Measurement Science and Instrumentation., Volume Vol. 8, Issue. 3, Year 2017, Pages pp. 261-263
- [18]. Linear antenna array synthesis and null control for Wi-Max applications using an improved particle swarm optimization , Proceedings of the 2nd National conference on IPC'17 SPIE student Chapter, BPPIMT. Joyanto Roychoudhary Proceedings of the 2nd National conference on IPC'17 SPIE student Chapter, BPPIMT., Volume , Year 2017, Pages
- [19]. The Impact of Transformational Leadership on Individual Learning Moderated by Learning Behavior Joyanto Roychoudhary International Journal of Application or Innovation in Engineering and Management, Volume 6, Year 2017, Pages 38-43
- [20]. , Linear antenna array synthesis and null control for Wi-Max applications using an improved particle swarm optimization Joyanto Roychoudhary Proceedings of the 2nd National conference on IPC'17 SPIE student Chapter, BPPIMT., Volume ISBN No: 978-81-922797-9-4., Year 2017, Pages
- [21] Application of Improved Particle Swarm Optimization(IPSO) to Antenna Array Synthesis and Design Joyanto Roychoudhary Medicon Engineering Themes , Volume 4, Year 2024, Pages 01,**EDITORIAL**
- [22] A Survey on Spintronic Devices: Magnetic Tunnel Junctions Joyanto Roy Choudhary\*, Sumitesh Majumder and T K Maiti Department of Electronics and Communication Engineering, Meghnad Saha Institute of Technology, India \*Corresponding Author: Joyanto Roy Choudhary, Department of Electronics and Communication Engineering, Meghnad Saha Institute of Technology, India. Received: November 22, 2024. Medicon Engineering Themes Volume 7 Issue 6 December 2024 **Article Type: Editorial** ISSN: 2834-7218.
- [23] Graphene Nanoribbons: Joyanto Roychoudhary,Electronics and Communication Engineering, Meghnad Saha Institute of Technology, India \*Corresponding Author: Joyanto Roy Choudhary, Department of Electronics and Communication Engineering, Meghnad Saha Institute of Technology, India. Received: Feb,2, 2025. Medicon Engineering Themes Volume 8 Issue 2 Feb,2025 **Article Type: Editorial** ISSN: 2834-7218.
- [24] **1<sup>st</sup> Published Book Chapter on 28.02.2025: by Joyanto Roychoudhary and Neeraj Kumar**  
**Title Of Book: Emerging Research Trends in Computer Science and Information Technology. Title Of Book chapter: Wavelets: A Mathematical Paradigm**  
**First Edition, Feb,2025, Bhumi Publishing, Nigave Khalasa, Kolhapur 416207, Maharashtra, INDIA,website: [www.bhumipublishing.com](http://www.bhumipublishing.com),Contact Number: +91-9511266950, 7588577082**

Emerging Research Trends in Computer Science and Information Technology (ISBN: 978-93-48620-71-2) Editors Dr. Shivamurthaiah M Department of Computer Science and Dr. Avinash N Department of Computer Science and Engineering, APS College of Engineering, Bengaluru Dr. Praveen Kumar K Department of Computer Science, B. S. Channabasappa First Grade College, Engineering Brindavan College of Engineering, Bengaluru Mr. Pardeep Kumar Department of Mathematics, Guru Kashi University, Davanagere, Karnataka February 2025 Talwandi Sabo, Punjab.

[25] Served as a Member of TPC of **IICAIET 2022/2023/2024 IEEE International Conference on Artificial Intelligence in Engineering and Technology, Kota Kinabalu, Sabah (Hybrid Mode)**.  
<https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10291424>

[26] **IIP Book Series Editors:IIPV3EBS12\_G17 Futuristic Trends in Electronics & Instrumentation Engineering**, Editors: Dr. Chittajit Sarkar, PhD, Associate Professor, Asansol Engineering College,, Asansol, West Bengal, India. Dr. Rajib Biswas, PhD, Faculty, Physics, Tezpur University, Tezpur, Assam, India. Dr. Vijay Sharma, Ph D, Assistant Professor, Physics, Government Mahila Engineering College, Ajmer, Rajasthan, India. **Joyanto Roychoudhary, M.Tech, (Phd), Assistant Professor, Meghnad Saha Institute of Technology, Uchhepota, Kolkata, West Bengal, India. IIP ID: IIPER1675937466**

[27] **Enhancing Online Banking Security with Facial Recognition and PIN Verification** by <sup>1</sup>Subhadeep Garai, <sup>2</sup>Pijus Hait, <sup>3</sup>Gairik Roy, <sup>4</sup>Ujjwal Raj, <sup>5</sup>Joyanto Roy Choudhary <sup>1,2,3,4</sup> Student, <sup>5</sup> Assistant Professor, Department of Electronics and Communication Engineering, Meghnad Saha Institute of Technology Corresponding author: <sup>5</sup>Joyanto Roy Choudhary, <sup>5</sup> Assistant Professor, Department of Electronics and Communication Engineering, Meghnad Saha Institute of Technology, in **Journal of Systems Engineering and Electronics** ISSN: 1671-1793 Scopus And Ugc Care Group - II Journal Volume 35 ISSUE 5 2025. DOI: [20.14118.jsee.2025.V35I5.2236](https://doi.org/10.14118/jsee.2025.V35I5.2236)

[28] **2<sup>nd</sup> Published Book Chapter on 06.05.2025 5G - THE FUTURE OF SEAMLESS WIRELESS CONNECTIVITY**, Joyanto Roychoudhary, Department of ECE, Meghnad Saha Institute of Technology, Kolkata, West Bengal 700150, Corresponding author E-mail: [joyanto.roychoudhary296@msit.edu.in](mailto:joyanto.roychoudhary296@msit.edu.in), **Trends in Computer Science and Information Technology Research (ISBN: 978-93-48620-32-3), BHUMI Publishing, India, First Edition, April, 2025. Editors:** Mr. Digambar D. Kulkarni Department of Physics, Dapoli Urban Bank Senior Science College, Dapoli, Dist. Ratnagiri, M.S. , Ms. Poonam Angurala Department of Education, Sri Guru Ram Dass College of Education, Pandher, Amritsar, Punjab, Mr. Ranveer Singh Department of Computer Science, Guru Kashi University, Talwandi Sabo, Punjab, Er. Anchal Nayyar , School of Engineering, Design and Automation, GNA University, Phagwara, Punjab.

[29] **3<sup>rd</sup> Published Book Chapter on 09.12.2025 MULTIPLE ACCESS SCHEMES FOR 5G**, Joyanto Roychoudhary, Department of ECE, Meghnad Saha Institute of Technology, Kolkata, West Bengal 700150, Corresponding author E-mail: [joyanto.roychoudhary296@msit.edu.in](mailto:joyanto.roychoudhary296@msit.edu.in) in **Computing 5.0: Rise of Smart Systems and Analytical Intelligence**, (ISBN: 978-93-48620-86-6), DOI: <https://doi.org/10.5281/zenodo.17867123>

[30] **College Admin Dashboard: A Centralized Platform for Efficient Academic Administration** Ankit Samanta, Anushree Paul, Student, Md. Shoaib Raza, Student, Sneha Sardar, Joyanto Roychoudhary, Assistant Professor, Department of Electronics and Communication Engineering, Meghnad Saha Institute of Technology, Nazirabad, P.O.- Uchhepota, Kolkata 700150 in **JOURNAL OF COMPUTER SCIENCE** (ISSN NO: 1549-3636) VOLUME 18 ISSUE 05 MAY 2025, Scopus And Ugc Care Group - II Journal, DOI: [10.15229.JCS.2025.V18I5.1582](https://doi.org/10.15229.JCS.2025.V18I5.1582).

[31] **4<sup>th</sup> Published Book Chapter on 26.02.2026 5G SECURITY: ARCHITECTURE, THREATS AND DEFENSE MECHANISMS**, Joyanto Roychoudhary, Department of ECE, Meghnad Saha Institute of Technology, Kolkata, West Bengal 700150, Corresponding author E-mail: [joyanto.roychoudhary296@msit.edu.in](mailto:joyanto.roychoudhary296@msit.edu.in) in **Intelligent Computing and AI Frontiers**, (ISBN: 978-93-47587-80-1), DOI: <https://doi.org/10.5281/zenodo.18822207>

[32] Paper ID: 537 • Title: **A Wideband Millimeter-Wave 5G Antenna with Near-Isotropic Radiation Pattern, Accepted for Publication in IEEE Xplore, Wireless, Antenna and Microwave symposium(WAMS-2026), Telangana**

## Personal Information

Date of Birth : 17th October, 1978  
Nationality : Indian  
Mother Tongue : Bengali

Marital Status : Un-Married  
No. Of Children: : :NIL

## Strengths:

1. Creative, Curious, Consistent and Committed to work.
- 2.. Ability to successfully handle and deliver any task that is assigned to me despite the time constraints or resource crunch.
3. Eager to learn new things

■ I do hereby declare that all the above statements are true to the best of my knowledge.

### Referees:

- Prof T K Maity, Professor ,Department of Instrumentation Engineering,  
Central Institute Of Technology(DEEMED to be University) , Kokrajhar, Assam

-----  
Mr. Joyanto Roychoudhary

Date: June, 10<sup>th</sup>, 2026  
Place: Kolkata