CURRICULUM VITAE

**Name: Joyanto Roychoudhary**

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**Address for Communication: Flat No: 2B,Amrapali Neer,197 Anandapur, East Kolkata**

**Township, Kol-700107, W.B.**

**Date of Birth: 17.10.1978**

**Father’s Name: Mr. K.K. Roychoudhary,Mob No: 94743-71895/83349-23046,**

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**Employee Id MSIT: 14273(*Techno-India Group*)**

**Google Scholar Profile :** Assistant professor of Electronics and communication

Engineering, Verified email at msit.edu.in.

https://scholar.google.com/citations?user=Mg1U\_koAAAAJ&hl=en.

**ORCID Id:** <https://orcid.org/0000-0002-0075-721X>/https://orcid.org/0000-0002-5920-1355.

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| ORCID Research ID : 0000-0002-0075-721X | **ORCID** provides a persistent digital identifier that distinguishes you from every other researcher and, through integration in key research workflows such as manuscript and grant submission, supports automated linkages between you and your professional activities ensuring that your work is recognized. |

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**About**

Experienced Assistant Professor with a demonstrated history of working in the higher education industry. Skilled in Lecturing, Teacher Training, Faculty Development, Teaching, and Higher Education. Strong education professional with a M.Tech focused in Telecommunications Engineering from NIT Durgapur Deemed University.

**Research Plan for Next 3 Years**

I believe in research through teaching and teaching through research. At MSIT, I observe there are numerous opportunities for teaching and Research while carrying on my Phd work and performing various teaching related experiments. Teaching is my passion and hence I am very excited here at MSIT, that allowed me to teach freely. One can design M.Tech or Ph.D courses and can experiment various grading procedures including take home examination, open notes examination e.t.c.

**Under-Graduate (UG-Level) Courses**

In the past 1.5 years, I was mostly involved in teaching several undergraduate courses. I consider,teaching any under-graduate courses as a challenge as well as an opportunity to learn again that topic from scratch. Hence I always found it to be very exciting and refreshing.

**List of UG courses in which I was involved, is as follows : Subject Code Duration Students (Approx.)**

**Subject Code Duration Load Students Approx**.

|  |  |  |
| --- | --- | --- |
| **Subject** | **Load/Duration** | **No. of students.(approx).** |
| WirelessCommunicationand Networking | EC-701 1 hr 4 hrs./week | 50 |
| MicroprocessorsandMicrocontrollers. | EC-502 1 hr 5 hrs./week | 40 |
| DigitalCommunication | EC-605 1hr 6 hrs./week | 45 |

**Research Oriented Courses Other than UG-courses in which I am interested to be involved in the coming years are as follows:**

VLSI Design, Soft Computing, Communication systems modelling and Integration, Computer Graphics, Data fusion in WSN. Although they are not my domain of research directly but indirectly every subject is connected to others and teaching them will enable me to explore that connection and more over that subject once again.

* **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.*

* ***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 Assisting Member of****Central WebsiteCommittee****(MSIT) with effect from 01.08.2020.*

**Academic Background:**

* **Specialization: Tele Communication Engineering**
* M. Tech from National Institute of Technology, Durgapur (Deemed University) in the
year 2009 in Telecommunication Engineering with 1st class 8.33 CGPA / 9.0 SGPA on a 10
pointscale.
M. Tech Dissertation: Design of Non –Uniform circular Antenna array using Particle
swarmOptimization.
B.E from M.B.E.S college of Engineering, Maharashtra State in the year 2001 with 69%
marks, 1st div. with distinction in Electronics and Telecommunication Engineering.
B.E projects: Digital Image Compression using C.
Advanced Diploma in Oracle 8i and developer 6i for application development from SQL-
Star Intl. Ltd.
H.Sc from St. Michael’s higher secondary school, Patna with 70%, 1st div. marks.
S.Sc from St. Michael’s higher secondary school, Patna with 79%, 1st div. marks.
* **Professional Experience [ MAKAUT AFFILIATED COLLEGES ].**
* 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 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 aTech. 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 31st ,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: 4th/7th/BEven: 4th/8th/B |
| Odd: Solid State Devices(ECE)(Bcrec/Nitmas)Even: EM Theory and Transmission Lines.(ECE)(Bppimt/Msit) | Odd: 2nd/3rd/AEven: 2nd/4th/B |
| Odd- Digital Electronics.(ECE/EEE)(Bcrec/Nitmas/Hit/Bppimt)Even: Digital Communication(ECE)(Bppimt) | Odd: 2nd/4th/BEven: 3rd/6th/A+B |
| Odd: Analog Communication(ECE)(Bppimt)Even: Communication Engg. And Coding Theory.(IT/CSE)(Nitmas/Bppimt) | Odd: 3rd/5th/BEven: 2nd/4th/CSE+IT. |
| Odd: RF and Microwave Engineering.(ECE)(Bppimt)Even: Information and Coding theory.(ECE)(Bcrec/Nitmas)Even:Power Electronics(ECE)(/Bcrec/Hit) | Odd: 4th/7th/BEven: 3rd/6th/AEven:3rd Year,6th Sem. |
| Odd: Microprocessors and Microcontrollers.(ECE/CSE/EE/IT)(Bppimt)Even: Electronic Measurement and Instrumentation.(ECE**)(Elective Paper)(Bppimt)** | Odd: 3rd/5th/A+BEven: 3rd/6th/B |
| Odd: Analog Electronics(EE)(Msit)Odd: Digital Electronics(IT)(Msit/Nitmas)Odd: Advanced Data Communication and Coding.(IT**)(Elective Paper)(Nitmas/Msit)**Odd:Analog and Digital Electronics(IT)(Msit)Even: Digital Electronics(EE).(Bcrec/Nitmas/Msit)Even: Analog Electronics(ECE).(Msit)Even : Audio and Speech Processing(CSE**)(Elective Paper)(Msit)** | Odd: 3rd/EE-A+BOdd: 3rd/ITOdd: 7th/ITEven: 4th/EE-BEven: 4th/ECE.Even : 8th/ECE |
| Odd: Electromagnetic Wave(ECE)(Msit)Odd: Speech and Audio Processing(ECE**)(Elective Paper)(Msit)**Odd:Analog Electronics(EE)(Msit)Odd:Analog and Digital Electronics(IT)(Msit) | Odd:3rd Year,5th SemOdd: 3rd Year,5th SemOdd:2nd Year,3rd Sem.Odd:2nd Year,3rd Sem. |

**B.Tech Projects Guided**

* **At BCREC:**
* Hybrid Evolutionary modelling of AlGaAs/GaAs HBT using Generalized pencil of function method.(BCREC Durgapur).
* A Multirange Architecture for collision free off road Robot Navigation.(BCREC Durgapur).
* A 8051 based Password Protected Home Security.(BCREC Durgapur)
* A 8051 based Line-Follower-Robot(BCREC Durgapur).
* **At HIT:**
* Heart Rate Monitor using 8051(HIT , Kolkata )
* **At NITMAS:**
* RFID based Toll Gate using PIC(NITMAS , Kolkata ).
* Distance measurement using Ultrasound sensor and AT89C52 microcontroller. (NITMAS , Kolkata ).
* Guided a project on Multi-Sensor data Fusion for IOT using Wireless Sensor Networks(NITMAS , Kolkata ).
* **At BPPIMT:**
* A Wi-Fi based Marauder’s clock using Git-Hub Pro and Raspberri-Pi 3.
* A GSM based Real Time Multipatient Blood Pressure Monitoring.
* Gesture Controlled Robot using Accelerometer Sensor.
* **At MSIT:**
* Prevention of Drunken Driving using Arduino UNO.
* Bidirectional Visitor counter in OpenCV.
* **Professional Achievements**
* Conversant with Outcome based Education
* Developed laboratory on Solid State Electronic Devices. With inclusion of modern topics like short channel effects of MOSFETS and Nanomos transistor modelling using Matlab(MOS characterization).Also C\_V characteristics for 3 different junction profiles for varactor using Matlab ,Varactor Curve fitting using GNU Octave(new topics introduced by me in this lab), C\_V characteristics of MOS structure using CILVAKO software.
* Reviewed a manuscript entitled “Magnetic Tunnel Junction Based Efficient Logic Design with no CMOS Read/Write Circuitry” for International journal of electronic letters.
* Reviewed a manuscript entitled “Performance Investigation Of Nanoscale reversible logic gates designed with SE-TLG approach” ” for International journal of electronic letters.
* “**AMCAT**” certified in Electronics and Semiconductor Engineering with a score of 70%.(A Joint IIT,India/MIT,USA collaboration).
* 
* **List of Publications (**annexure**)**
* Journals and Conferences
* National and International:
* ***International: 10 Conferences:05 National: 02***
* **Conference/Seminar/Workshop/school/EVENTS Organized:**
* I was a member of hospitality committee of the three day National Conference on ‘Information, Photonics and Communication’ (IPC ’17) held during May 15-17, 2017 jointly organized by SPIE Student Chapter and Department of Electronics & Communication Engineering, B. P. Poddar Institute of Management & Technology.
* I was a part of the Organizing Committee for the forthcoming (IPC-19) conference going to be held on 1-3 Feb,2019, at BPPIMT,Kolkata.
* **Courses attended:**

I participated and successfully completed the following courses:

* Conference on Algorithms and Applications’ (ALAP-18) from 10th – 12th January,

 2018, at BPPIMT, Kolkata.

* National conference on information, photonics and communication’(IPC-17) from 15th

 –17th May, 2017, at BPPIMT. Kolkata.(1 paper was accepted and Published in the conference proceedings.).

* Seminar on “ Wireless Adhoc Networks”, BCREC , Durgapur
* A seminar on DSP and Embedded Systems,BCREC, Durgapur
* A training on Digital Storage oscilloscope and simulation of Signal generator from IIT,Kharagpur.
* A seminar on Editing:Techniques and technologies,TNU,Kolkata.
* A 6 day training program on “Behavioural Remodeling for Enhancing classroom delivery of Teachers” in the Host college conducted by IIT,Guwahati.
* 1 day seminar on “ Microelectronics and VLSI design” at BPPIMT.
* A 1 day seminar on “ Data Science and Computational Intelligence” from BPPIMT.
* A 15 day training program from Bestavision Television, Noida,U.P.
* A workshop on Embedded systems conducted by TIUniversity program.
* Machine learning for data Analytics using R from University of Calcutta.
* Participated in “ISEA” project phase-II, a 1-week FDP on “CRYPTOGRAPHY AND CYBER SECURITY” from MAKAUT.
* A 2 day workshop on “Outcome Based Education” from NITTTR Kolkata.
* A 1 –day workshop on Arduino from IIT,Bombay, 'One Day Workshop on Arduino' held at Meghnad Saha Institute of Technology, Uchhepota, Kolkata on 8 February 2020,This training was organised by the Teaching Learning Centre, ICT at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT),(NMEICT) MHRD, Govt. of India.
* Certificate of Participation granted to Joyanto roychoudhary of ECE Dept., MSIT for participation in the Quiz on Intellectual Property Rights (IPR) organized by IIC, MSIT on 03/05/2020, of the HEI’s institution Innovation Council (Regn. No. IC201912408), and scored 38/50 in the Quiz. ***Certificate ID: QTPL7K-CE000054***.
* 'One day Workshop on eSim, a First Course in the IoT Series for Teachers' held at Techno India College of Technology, Rajarhat on 21 September 2019.This training was organised by the Teaching Learning Centre ICT at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)(NMEICT).
* Certificate Of Participation granted by the Ministry Of Tourism and MyGov to Joyanto Roychoudhary for successfully completing the Ek Bharat Shreshtha Bharat Quiz on 03.05.2020. We salute your effort . Keep Participating.
* Certificate Of Participation granted by MyGov to Joyanto Roychoudhary for successfully completing the Quiz on Covid-19 on 03.05.2020. We appreciate your effort . Protect Yourself and Others.
* **PANTECH E-BYTES WEBINARSERIES 2020**

Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “**Future Of AI**” on 20.05.2020 hosted by IETE-MUMBAI in association with PANTECH Solutions.

***CERTIFICATE NO. PAN-IETE-AI-2005-422.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Development Of Deep Learning Architecture” on 25.05.2020 hosted by IETE-MUMBAI in association with PANTECH Solutions.

***CERTIFICATE NO. PAN-AI-2505-353.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Big data And Data Science ” on 31.05.2020 hosted by Dr. MGR Educational and Research Institute in association with PANTECH E-learning.

***CERTIFICATE NO. PANMGRBD\_31\_05\_20\_786.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Conversational BOT Design” on 30.05.2020 hosted by IETE-MUMBAI in association with PANTECH Solutions.
* ***CERTIFICATE NO. PAN-IETE-AI-3005-715.***
* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Applying Convolutional neural Networks- A Deep Learning ” on 01.06.2020 hosted by Kalasalingam Institute Of Technology in association with PANTECH E-learning.

***CERTIFICATE NO. PELKITCNN\_02\_06\_20\_573***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Mastering Machine Learning-An Introductory Guide with Matlab ” on 02.06.2020 hosted by Tamilnadu College Of Engineering in association with PANTECH E-learning.

***CERTIFICATE NO. PELTCEMAT\_01\_06\_20\_8***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Thingsspeak Cloud and Internet Of Things” on 02.06.2020 hosted by QUAID-E-MILLATH Govt. College For Women in association with PANTECH E-learning.

***CERTIFICATE NO. PELQEMIOT\_02\_06\_20.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Visionary Robots” on 03.06.2020 hosted by the department of EIE ofJerusalem College Of Engineering,Chennai in association with PANTECH E-learning.

***CERTIFICATE NO. PELJCEROBO\_03\_06\_20\_240.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Brain Computer Interface” on 05.06.2020 hosted by NITK-STEP in association with PANTECH Solutions.

***CERTIFICATE NO. PAN-NITK-0506-612.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Brain Controlled Robot Design” on 06.06.2020 hosted by NITK-STEP in association with PANTECH Solutions.

***CERTIFICATE NO. PAN-NITK-0606-1581.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Application Design Of Brain Computer Interface” on 13.06.2020 hosted by ADAMAS University in association with PANTECH Solutions.

***CERTIFICATE NO. PAN-ADAMAS-BCI-1306-2197.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Internet Of Things Using Arduino” on 16.06.2020 hosted by Dr. Shyama Prasad Mukherjee University in association with PANTECH Solutions.

***CERTIFICATE NO. PAN-DSPM-1606-892.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Blockchain” on 11.06.2020 hosted by Anand Institute Of Higher Technology,Chennai in association with PANTECH E-learning.

***CERTIFICATE NO. PELAIHTBC\_11\_06\_20\_1614.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “5G Communications ” on 10.06.2020 hosted by DMI College Of Engineering in association with PANTECH E-learning.

***CERTIFICATE NO. PELDMI5G\_10\_06\_20\_922.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Clock Domain Crossing Techniques and Clock Gating Design(VLSI)” on 14.06.2020 hosted by Mahatma Gandhi Institute Of Technology, Hyderabad in association with PANTECH E-learning.

***CERTIFICATE NO. PELMGITVLSI\_14\_06\_20\_443.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Android APP Development ” on 11.06.2020 hosted by rajeshwari Vedachalam Govt. Arts College, Chennai in association with PANTECH E-learning.

***CERTIFICATE NO. PELRVCASA\_11\_06\_20\_389***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Data Science Using Python” on 13.06.2020 hosted by Siddhartha Institute Of Engineering and Technology, Hyderabad in association with PANTECH E-learning.

***CERTIFICATE NO. PELSITDS\_13\_06\_20\_512.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Trends and Challenges in the progress of E-mobility in India” on 20.06.2020 hosted by Department Of Electrical and Electronics Engineering in association with PANTECH E-learning.

***CERTIFICATE NO. PELCBITEM\_20\_06\_20\_855.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Model Design Of Solar Energy Using Matlab” on 18.06.2020 hosted by Jeppiaar Engineering College,Chennai in association with PANTECH E-learning.

***CERTIFICATE NO. PELJECPV\_17\_06\_20\_747.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Natural Language Processing” on 18.06.2020 hosted by St. Peter’s Engineering College, Hyderabad in association with PANTECH E-learning.

***CERTIFICATE NO. PELSPNLP\_18\_06\_20\_1129.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Internet Of Things Using Raspberry Pi” on 19.06.2020 hosted by Institute Of Engineering and Technology in association with PANTECH.

***CERTIFICATE NO. PS\_IET\_1906\_2664.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Design Of Brain Control Applications” on 26.06.2020 hosted by Dr. B.R. Ambedkar NIT Jalandhar in association with PANTECH Solutions.

***CERTIFICATE NO. PAN-NITJ-2606-1045.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Image Processing Appications” on 03.07.2020 hosted by AIMIT St. Aloysius College(autonomous),Mangalore in association with PANTECH.

***CERTIFICATE NO. PAN-AIMIT-0307-292.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Latest Trends In Green Technologies” on 02.07.2020 hosted by Department Of ECE, Sridevi Women’s Engineering College,Hyderabad in association with PANTECH E-learning.

***CERTIFICATE NO. PELSWECG\_02\_07\_992.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Face Recognition Using Deep Learning” on 03.06.2020 hosted by Balagi Institute Of Technology and Science,Warangal in association with PANTECH.
* ***CERTIFICATE NO. PAN\_BITSW\_3006\_1028.***
* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Object Recognition/Yolo/Mobile-Net/Cloud” on 10.07.2020 hosted by Khalsa College For Women,Sidhwan Khurd,Ludhiana in association with PANTECH.
* ***CERTIFICATE NO. PAN-KHALSA-1007-239***
* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Analog CMOS Design and its implementation in present applications” on 05.07.2020 hosted by Department Of ECE, TKR College Of Engineering and Tech.,Hyderabad in association with PANTECH E-learning.

***CERTIFICATE NO. PELTKRCMOS\_05\_07\_1149.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Antenna design using HFSS” on 29.06.2020 hosted by Department Of ECE, Easwari Engineering College , Chennai in association with PANTECH E-learning.

***CERTIFICATE NO. PELEASWARICOM\_29\_06\_266.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Computer Vision Application Design” on 14.07.2020 hosted by Atria Institute Of Technology,Bengaluru in association with PANTECH.
* ***CERTIFICATE NO. PAN-ATRIA-1407-348.***
* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Embedded Syatems” on 06.07.2020 hosted by PANTECH E-learning.

***CERTIFICATE NO. PELEMB\_06\_07\_448.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Python Programming” on 11.07.2020 hosted by Department Of Information Technology and Department Of CSE Vignana Bharathi Institute Of Technology , Hyderabad in association with PANTECH E-learning.

***CERTIFICATE NO. PEL\_VBIT\_PY\_11\_07\_574.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Connected Devices using Raspberry Pi and Cloud” on 18.07.2020 hosted by Department Of Information Technology CMR Engineering College , Hyderabad in association with PANTECH E-learning.

***CERTIFICATE NO. PEL\_CMREC\_RPI\_18\_07\_1723.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Collaboration Between Robots and Vision” on 15.07.2020 hosted by PANTECH E-learning.

***CERTIFICATE NO. PEL\_VROBO\_15\_07\_1215.***

* Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Build Your Own Machine Learning Model” on 16.07.2020 hosted by Department Of CSE and Department Of IT Bharath Institute Of Engineering and Technology, Hyderabad in association with PANTECH E-learning.

***CERTIFICATE NO. PEL\_BIET\_ML\_16\_07\_60.***

* *Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Adapting Digital Technologies in Educational Institutions” on 17.06.2020 11.00 Am IST hosted by* ***Byndr Technologies.***
* *Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Potentiality of RF-MEMS For Future Wireless Communications” on 23.05.2020 conducted jointly by IEEE MTT-S Kerala Section and IEEE MTT-S and APS Student Branch, Govt Engineering College, Barton Hill,Thiruvananthapuram,on 23rd May,2020.*
* *Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the Webinar “Data Mining and Applications” on 20.06.2020 7.30 pm IST organized by Department Of Information Technology, MAKAUT,WB, India Registration No : MAKAUT-WEB-200620-182 Event ID : 20200620-WEB-DM.*
* *Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the “Leadership Talk with Shridhar Venkat CEO(Akshaya Patra Foundation)” on 20.06.2020 1.00 pm IST organized by AICTE and MHRD’s Innovation Cell, MHRD(Govt. Of India).*
* *This is to certify that   Joyanto Roychoudhary  of  Meghnad Saha Institute Of Technology  has actively participated in organizing   one day IEEE EDS Lecture Talk Program on  “An Introduction to RF MEMS Technology”  delivered by   Prof. (Dr.) Bhaskar Gupta, Jadavpur University  held on  30-June-2020    The Lecture Talk was organized by IEEE Electron Devices Society (EDS) Kalyani Govt. Engg. College  Student Branch Chapter under EDS Virtual Lecture Talk Program-Virtual Lectures.*
* *CERTIFICATE OF PARTICIPATION WEBINAR On "Resurrecting the Emerging Contours of Public Health in Anthropocene: The Urgency of Digital Health Revolution Series-II" ORGANIZED BY MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY,West Bengal THE ‘BIO-MEDICAL ENGINEERING & HEALTH INFORMATICS’ GROUP in association with the DEPARTMENT OF ENVIRONMENTAL SCIENCE This is to certify that JOYANTO ROYCHOUDHARY Participated in the webinar* *titled "Resurrecting the Emerging* *Contours of Public Health in Anthropocene: The Urgency of Digital Health Revolution Series-II" held on 4 July, 2020.*
* *CERTIFICATE OF PARTICIPATION WEBINAR On "Advances in Renewable Energy Generation in The World Vis a Vis India’s Perspective" ORGANIZED BY School of Energy & Environmental Sciences MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY,West Bengal This is to certify that JOYANTO ROYCHOUDHARY Participated in the webinar titled "Advances in Renewable Energy Generation in The World Vis a Vis India’s Perspective" held on 5 July, 2020.*
* *This is to certify that Dr./Mr./Ms. Joyanto roychoudhary of Meghnad Saha Institute Of Technology has participated in the IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28th April to 22nd May 2020 during COVID-19 nationwide lockdown.*
* *Certificate of Completion This is to certify that JOYANTO ROYCHOUDHARY ASSISTANT PROFESSOR,ECE,MEGHNAD SAHA INSTITUTE OF TECHNOLOGY Has Completed One Professional Development Hour by attending Webinar on Flow inside the Sun Professor Katepalli Sreenivasan FAAAS, FTWAS, FASME, FInstP, Foreign Fellow INSA Dean Emeritus of NYU Tandon School of Engineering; The Eugene Kleiner Professor for Innovation in Mechanical Engineering; Professor of Physics (Faculty of Arts and Science); Mathematics (Courant Institute of Mathematical Sciences).*
* *Certificate Of Participation Presented to Joyanto Roychoudhary Of Meghnad Saha Institute Of Technology for participating in the one day workshop on “Modern Data Science Technology and participating in the Tech-Quiz as part of the workshop evaluation” organized by Ardent Computech Pvt. Ltd.(An ISO 9001:2015 company) on 09.07.2020****.***
* *MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC), Agra ,Ministry of Micro, Small & Medium Enterprises Government of India Organization Foundry Nagar, Agra-282 006 (U.P.) certifies that Mr. Joyanto Roy Choudharyhas successfully completed online training*
* *on SOLAR PHOTO VOLTAIC SYSTEM INSTALLATIONfrom 10.07.2020 to 11.07.2020.*
* *Certificate of Participation This is to certify that JOYANTO ROYCHOUDHARY has participated in the webinar “ IEEE - ABET Webinar on Accreditation and Quality of Engineering Education in South Asia ” organized by IEEE India Council conducted on 08 July 2020.*
* *CERTIFICATE OF PARTICIPATION WEBINAR On "Internet of Things: Healthcare Applications and Cyber Security Challenges" ORGANIZED BY Department of Computer Science and Engineering & Department of Information Technology MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY,West Bengal,INDIA This is to certify that JOYANTO ROYCHOUDHARY Participated in the webinar titled "Internet of Things: Healthcare Applications and Cyber Security Challenges " held on 16 July, 2020.*
* *Certificate Of Participation granted to Joyanto Roychoudhary of Meghnad Saha Institute Of Technology on online activity Of “The Bodhi Tree and Safe Tools for Effective Online Teaching: A hands-On Workshop” held from 18 to 24 June 2020, This training was organised by the Teaching Learning Centre ICT at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)(NMEICT).*
* *Certificate of Participation This is to certify that Joyanto Roychoudhary of Meghnad Saha Institute Of Technology has attended webinar Tech-Xpert Talk on “Remote Engineering Education using NI in New Normal” under VESIT-NI LabVIEW academy, organized by VESIT Renaissance Cell in Association with VESIT - IQAC (Internal Quality Assurance Cell) and VESIT - IIC (Institution Innovation Council), Mumbai, held on 22nd July 2020.*

*Certificate ID: QOTLHM-CE000075*

* *This is to certify that* ***Joyanto Roychoudhary*** of Meghnad *Saha Institute Of Technology*

*Has participated in the webinar “****Multi-functional MIMO Antenna for 5G Applications****”, organized by* ***IEEE APS Student Branch Chapter*** *of* ***University of Calcutta*** *in association with* ***IEEE AP-MTTs Kolkata Chapter****, on* ***29th November, 2020.***

* ***This is to certify that Joyanto Roychoudhary,Dept. of ECE,Meghnad saha Institute Of technology,has participated in the 2 days Technical Talk on “Emerging Technology in Photovoltaic & Sensor”organized by Dept. of EE, MSIT in association with CARREST, MSITduring 16th to 17th Oct., 2020.***
* *This is to certify that* ***Mr. Joyanto Roy Choudhary*** *has successfully completed online training on* ***COLLABORATIVE ROBOTS & AUTOMATED GUIDED VEHICLES*** *from 26.10.2020 to 27.10.2020 in the* ***MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC)***

*,e0,l0,e0Ã0* ***-*** *rduhdh fodkl dsUnz* ***Ministry of Micro, Small & Medium Enterprises*** *Lkw{e] y?kq ,oa e/;e m|e ea=ky;* ***Government of India Organization*** *Hkkjr ljdkj dh laLFkk* ***Foundry Nagar, Agra-282 006 (U.P.)*** *QkmUMªh uxj] vkxjk&282 006 ¼m0iz0½.*

* *CERTIFICATE OF PARTICIPATION Awarded to* ***JOYANTO ROYCHOUDHARY*** *of* ***MEGHNAD SAHA INSTITUTE OF TECHNOLOGY*** *For Active Participation in Online Quiz Contest “****The Entrepreneurial Refresh****” Organized by Scrollwell on December 6th, 2020.*

*Marks Obtained 28Out of 48.*

**Administrative Duties:**

* 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:
1. Class test1 as allotted on 10/03/2018 & 13/03/2018.
2. 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 8th 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.
* ***Member of College(MSIT), Games and Sports Committee.***
* Presently Involved in the College accreditation Process by the NBA.
* **Software proficieny**
* Application Tools- SPICE,H-SPICE, MATLAB(R2017a and R2018a), Mathematica, Antenna Magus, Sintesis, CCS studio, Ansoft HFSS v5, 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).
* Operating Systems*-* DOS, Windows, UNIX,LINUX.
* Languages- C, FORTRAN,PASCAL,C++,C#,.NET
* 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**

### **Tools & Technologies**

1. **.NET Framework**
2. **R**
3. **Python (Programming Language)**

### **Other Skills**

1. **Pattern Recognition**
2. **R coding and Python**
* **Memberships/affiliations:**
* Member,MIE,,IEI,Corporate Membership I.D-M-1623332.

Member, Publons(as a “Reviewer of International Journal of Electronic Letters”, till date-2 journals reviewed), supported by “Web of Science” and AT & T , USA. <https://publons.com/a/1714869/>.Pre-publication review.  Canonical URL: <https://publons.com/review/author/jnOZsiiV/>

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***ORCID iD***

<https://orcid.org/0000-0002-0075-721X>/https://orcid.org/0000-0002-5920-1355.



**ORCID iD QR Code:- Scan Code**

**Research Fields:**

[ANALOG AND MIXED SIGNAL CMOS DESIGN, ARTIFICIAL NEURAL NETWORKS AND FUZZY LOGIC ALGORITHMS](https://publons.com/researcher/?research_field=49548), [ANTENNA ARRAYS](https://publons.com/researcher/?research_field=3617), [ANTENNA, MIMO ANTENNA, MICROSTRIP ANTENNA](https://publons.com/researcher/?research_field=35367)[ARRAY PROCESSING](https://publons.com/researcher/?research_field=26426)[ARRAYS](https://publons.com/researcher/?research_field=68154)[ARRAY SIGNAL PROCESSING](https://publons.com/researcher/?research_field=31507), [ARTIFICIAL INTELLIGENCE](https://publons.com/researcher/?research_field=4527), [BIOINFORMATICS AND COMPUTATIONAL BIOLOGY](https://publons.com/researcher/?research_field=146), [COGNITIVE NEUROSCIENCE](https://publons.com/researcher/?research_field=1370), [DATA FUSION](https://publons.com/researcher/?research_field=18010), [EVOLUTIONARY COMPUTATION](https://publons.com/researcher/?research_field=1815), [INFORMATION FUSION](https://publons.com/researcher/?research_field=22576), [MACHINE LEARNING](https://publons.com/researcher/?research_field=2441), [MOBILE COMPUTING](https://publons.com/researcher/?research_field=9068), [MOBILE SECURITY](https://publons.com/researcher/?research_field=14406), [NANOSCIENCE NANOTECHNOLOGY](https://publons.com/researcher/?research_field=22713), [NEUROCOGNITIVE PATTERNS AND NEURAL NETWORKS](https://publons.com/researcher/?research_field=856), [PATTERN RECOGNITION AND DATA MINING](https://publons.com/researcher/?research_field=943), [PHASED ARRAY](https://publons.com/researcher/?research_field=15455), [PHASED ARRAY ANTENNA](https://publons.com/researcher/?research_field=26807), [SENSOR FUSION](https://publons.com/researcher/?research_field=13156), [SPINTRONICS](https://publons.com/researcher/?research_field=3223), [WIRELESS AND MOBILE COMMUNICATIONS](https://publons.com/researcher/?research_field=21600), [WIRELESS NETWORKING](https://publons.com/researcher/?research_field=15140), [WIRELESS NETWORKS](https://publons.com/researcher/?research_field=17997), [WSN,IOT,CLOUD COMPUTING](https://publons.com/researcher/?research_field=35761)

* Member,MHRD-IIC,MSIT since 28.08.2020. *National Innovation and Start-up policy for students and Faculty-A guiding Framework for HEI’s for Implementation.*
* 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.
* **References:**
* *Prof T K Maity,Professor ,Department of Instrumentation Engineering,*
* *Central Institute Of Technology(DEEMED to be University) , Kokrajhar,Assam, India.Phone: 9733965138.*
* *Prof. Dr. Asish K Mukhopadhyay, Group Director, S.R.Group of Institutions,Jhansi.*
* *Present Address: Flat No.- S-4,block-1,Airport Residency, 39/15 Maharaja NK Road,*
* *Birati,Kol-700 051.Mob: 94343-85282/7003355147.email:askm55@gmail.com.*

Dated 29th Nov,2020 (Joyanto Roychoudhary)

**ANNEXURE**

**International Journals/ International Conferences/ National:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Journals /Conferences(International/National)** | **Vol/issue/pp/DOP** | **Impact Factor** | **ISSN/ISBN No.** | **Indexing** | **Citations.** |
|  1.**Joyanto Roychoudhary** *,Circular Array Pattern Synthesis using Particle Swarm Optimization*, International Journal of Innovation in Engineering and Management | Vol. 4, Issue. 6, pp. 44-49, April – 2017 | Impact Factor: 8.4. | ISSN No: 2319-4847 | Indexed by:(**Thomson Reuters/Research ID/ Endnote, Scopus Elsevier, Google Scholar,UGC Care/2nd Quartile- Q2 Journal(SJR).** |  |
| **2.Joyanto Roychoudhary**,Pushpendu Kanjilal *Linear Antenna Array Synthesis And Null Control for Wi-Max Applications using an Improved Particle Swarm Optimization*, International Journal of Scientific & Engineering Research. | Vol. 8, Issue. 4, pp. 1545-1553, April 2017. | Impact Factor: 4.6 | ISSN No: 2229-5518 | Indexed by:**Google Scholar/ Research Gate/Scribd/ResearchBib** |  |
| [3]. **Joyanto Roychoudhary**,Sumitesh Majumdar,T.K. Maiti *MAGNETIC TUNNEL JUNCTION MODEL BASED UNIVERSAL NAND AND NOR LOGIC GATES* , INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH TECHNOLOGY.(IJESRT). | Vol. 6, Issue. 6, pp. 46-50,June 2017 | Impact Factor: 4.116 | ISSN No: 2277-9655.[Choudhary\* et al., 6(6): June, 2017] Impact Factor: 4.116 IC™ Value: 3.00 CODEN: IJESS7 | Indexed by:**Google Scholar,Research ID/cross ref./Thomson Reuters.** |  |
| *4.* **Joyanto Roychoudhary,** *The Impact of Transformational Leadership on Individual Learning Moderated by Learning Behavior*, International Journal of Application or Innovation in Engineering and Management. | Vol. 6, Issue. 8, pp. 38-43, June 2017. | Impact Factor: 8.4. | ISSN No: 2319-4847 | Indexed by:(**Thomson Reuters/Research ID/ Endnote, Scopus Elsevier, Google Scholar**) |  |
| 5. **Joyanto Roychoudhary**, Saud Khan *Modeling and Validation of Magnetic Tunnel Junction Device*, Journal of Measurement Science and Instrumentation.**CNKI** | Vol. 8, Issue. 3, pp. 261-263, Sep 2017. | Impact Factor: 5.4 | ISSN No: 10.3969/j.issn.1674-8042.2017.03.008 | Indexed by the following databases:* **CA 化学文摘(美)(2014)**
* **JST 日本科学技术振兴机构数据库(日)(2018)**
* **Pж(AJ) 文摘杂志(俄)(2014)**
* **CSCD 中国科学引文数据库来源期刊(2019-2020年度)(含扩展版** /**EBSCO/AIRITI LIBRARY**
 |  |
| 6. **Joyanto Roychoudhary**, Neeraj Kr. *LINEAR ANTENNA ARRAY ADAPTIVE BEAMFORMING FOR SPACE-TIME SIGNAL PROCESSING USING HYBRID GENETIC ALGORITHMS APPLIED TO FADING CHANNELS.* International Journal of Current Advanced Research. | Vol. 7(H), Issue. 7, pp. 14358-14363, July 2018. | Impact Factor: 6.614 | **)**, ISSN No: ISSN: O: 2319-6475, ISSN: P: 2319-6505. | Indexed by: **Thomson Reuters/Research ID/SJIF/SCOPUS/ELSEVIER.** |  |
| 7. **Joyanto Roychoudhary**, Neeraj Kr., Pushpendu Kanjilal PHASED ARRAY ANTENNA ADAPTIVE BEAMFORMING FOR SPACE-TIME SIGNAL PROCESSING USING HYBRID GENETIC ALGORITHMS WITH MUTATION OPERATOR APPLIED TO RAYLEIGH FADING CHANNELS, International Journal of Electronics and Communication Engineering and Technology (IJECET). | Vol. 3, Issue. 9, pp. 36-46, August - 2018 | Impact Factor: 8.5. | ISSN No: ISSN Print: 0976-6464 and ISSN Online: 0976-6472 © IAEME Publication.**Licensed under Creative Commons Attribution 4.0 Internationsl License.** | Indexed by:**Google Scholar/JIF, Research Gate/Scribd/ResearchBib/Index Copernicus/Infona Portal/Scilit/Scope Database/Scopus.** | **Google Scholar Citations: Cited By 1 in Scopus Indexed Journal.****https://scholar.google.com/scholar?oi=bibs&hl=en&cites=9169612558965563487&as\_sdt=5.** |
| 8. **Joyanto Roychoudhary**,Neeraj Kr.,Pushpendu Kanjilal Linear Antenna Array Adaptive Beam forming For Space-Time Signal Processing Using Hybrid Genetic Algorithms Applied to Fading Channels, International Journal of Computer Engineering and Sciences Research. | Vol. 01, Issue. 01, pp. 01-12, October – 2018. | Impact Factor: 2.4. | ISSN No: 0213-4465. | Indexed by:**Google Scholar/Scribd/Research Bib** |  |
| 9. **Joyanto Roychoudhary,**Linear High Gain Dual Band Notch Scanning Beam Circularly Polarized Electronically Steerable Smart Antenna Array for2.4GHzW-lanand 5.8 GHz UHF RFID Reader Application Withoutany Central Null using Buttler-Matrix Beam-formerFormulation, International Journal of Scientific Research and Review. | Volume 07, Issue 06, June2019. | Impact Factor: 6.1 | ISSN No.: 2279-543X. | **UGC Approved Journal: UGC Journal No.: 64650406(UGC Journal List-2020)** |  |
| 10. **]. Joyanto Roychoudhary**,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 Buttler-Matrix Beam Former Formulation., IEEE-SEM Jounal. | Vol. 10, Issue. 6, pp. 182-195, June 2019.https://www.citefactor.org/eoi/10.11230-ieeesem.2019.06.2267.html | Impact Factor: 3.5. | ISSN No: 2320-9151.https://eoi.citefactor.org/10.11230/ieeesem.2019.06.2267 | Indexed by:**Google Scholar.** |  |
| 11. **Joyanto Roychoudhary**, Linear Antenna Array Synthesis and Null Control for WiMaxApplications for MIMO Channels using aCognition based Improved Particle Swarm Optimization, International Journal of Engineering Technology, Management and Applied Sciences,(IJETMAS). | Vol. 5, No. 5, pp. 675-680, May - 2017 | -------- |  ISBN No: 2349-4476 | **International Journal of Engineering Technology, Management and Applied Sciences,(IJETMAS).,IETE,Pune.**Indexed by: ROAD: the Directory of Open Access scholarly Resources and International Standard Serial Number.(ISSN).Semantic Scholar. |  |
| 12. **Joyanto Roychoudhary**, Neeraj Kr.,Pushpendu Kanjilal LINEAR ANTENNA ARRAY ADAPTIVE BEAMFORMING FOR SPACE-TIME SIGNAL PROCESSING USING HYBRID GENETIC ALGORITHMS APPLIED TO FADING CHANNELS , Conference Info/Academic Science OUCIP,Hyderabad(Telangana State). | Vol. 5, No. 8, pp. 581-587, August – 2018. | -------- | ISBN No: 2349-5162 | **Conference Info/Academic Science OUCIP,Hyderabad(Telangana State).****Semantic Scholar.** |  |
| 13. **Joyanto Roychoudhary**, Arindrajit Chaudhury,Neeraj Kr. Smart Antenna Array Adaptive Beamforming for Space-Time Signal Processing Using Hybrid Ga-Pso Culled Mutation Operator Using A Novel Adaptive Equalizer Applied to Fading Channels, IEEE-ICIETS,Mysuru**.** | September – 2018 | ------- | ISBN No: ISSN-2349-5162 | **IEEE-XPLORE** |  |
| 14.**Joyanto Roychoudhary**,Linear High Gain Dual Band Notch Scanning Beam Circularly Polarized Electronically Steerable Smart Antenna Array for 2.4 GHz W-lanand 5.8 GHz UHF RFID Reader Application Without any Central Null using Buttler-Matrix Beam-former Formulation, 7th International conference on research developments in applied science engineering and management, http://proceeding.conferenceworld.in/AEM-2019.IJSRR. | Vol. 6, No. 7, pp. 76-97, June - 2019 | ------- | ISBN No: 978-93-87793-90-3 | **UGC Approved Journal.(UGC Journal List-2020)****An ISO 7021 : 2018 Certified Journal** |  |
| 15.**Joyanto Roychoudhary**,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 Buttler-Matrix Beam Former Formulation., AEM-2019, Pune, June – 2019. | June- 2019. | ------- |  | **7th International conference on research developments in applied science engineering and management,** [**http://proceeding.conferenceworld.in/AEM-2019**](http://proceeding.conferenceworld.in/AEM-2019)**.** |  |
| 16. **Joyanto Roychoudhary**, 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. | Nov-2017. | ------- | ISBN No: 978-81-922797-9-4. | **Proceedings of the 2nd National conference on IPC'17 SPIE student Chapter, BPPIMT.** |  |
| 17. **Joyanto Roychoudhary,** 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 Buttler-Matrix Beam Former Formulation. In Scopus -ICME conference Warangal, Telangana. | Sep -2018. | ------- | ------------------- | Indexed by: **Scopus.** |  |
| 18. LINEAR ANTENNA ARRAY ADAPTIVE BEAMFORMING FOR SPACE-TIME SIGNAL PROCESSING USING HYBRID GENETIC ALGORITHMS APPLIED TO FADING CHANNELS. JETIRA006102 Journal of Emerging Technologies and Innovative Research (JETIR) www.jetir.org | Aug-2018, Vol-5,Issue-8, pp-581-587. | Impact Factor: 5.87 | (ISSN-2349-5162) | [**UGC approved journal no 63975**](http://jetir.org/jetir%20ugc%20approval.pdf)**. (UGC Journal List-2020)** |  |