Faculty Name : Mr. Amitabh Srivastava

Publications:

- Electric meter reading through IOT by using Raspberry pi modelB2 by SATISH KUMAR PAL, AMIT RANJAN, ABHISHEK MISHRA,CHANDRA PRAKASH SINGH, Prof AMITABH SRIVASTAVA in International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056, Volume: 05 Issue: 03 | Mar-2018 www.irjet.net p-ISSN: 2395-0072. (SCOPUS Indexed).

- Paper titled as "Generation of Electricity through Speed Breaker Mechanism" has been published by 1 Jyoti Maurya , 2 Pooja Gupta , 3 Pooja Gupta, 4 Tarannum Shahab , 5Amitabh Srivastava in The International Journal Of Engineering And Science (IJES) || Volume || 5 || Issue || 4 || Pages || PP -43-48|| 2016 || ISSN (e): 2319 – 1813 ISSN (p): 2319 – 1805   (UGC Indexed)

- Paper titled as "Design of Early Flood Warning System" by Namrata Tiwari, Aakanksha Singh, Nivedita Singh and Amitabh Srivastava in The International Journal of Engineering and Science (IJES) || Volume || 6 || Issue || 4 || Pages || PP 40-45|| 2017 || ISSN (e): 2319 – 1813 ISSN (p): 2319 – 1805. (UGC Indexed)

- Paper titled as **HEXACOPTER: A MAN CARRIER DRONE by** Anirban bera1, Rumit Kumar Pandey2, Shrinkhala Verma3, Shraddha Tiwari4, Prof. (Dr.)Nandita Pradhan5, Amitabh Srivastava6 **2019 JETIR May 2019, Volume 6, Issue 5 ISSN-2349-5162** (UGC Indexed)

- Paper titled as "**Smart City Using IoT" by** Shreya Mishra, Amita Kesarwani ,Prof.(Dr.)Nandita Pradhan, Amitabh Srivastava **2020 JETIR May 2020, Volume 7, Issue 5 (ISSN-2349-5162).** (UGC Indexed)

- Paper titled as "**Multipurpose Reconnaissance Vehicle (MPRSV)" by** Neelesh Srivastava, Saurabh Mitra, Shrivats Pandey , Amitabh Srivastava **2020 IOSR JECE May 2020, Volume 15, Issue 3 e-ISSN: 2278-2834, p- ISSN: 2278-8735** (UGC Indexed)

- Paper titled as "**Under Ground Cable Fault Detection Using IoT" by** Ankita Dubey ,Anshika ,Muskan Agrahari ,Amitabh Srivastava **2021 JETIR May 2020, Volume 8, Issue 6 (**(ISSN-2349-5162). (UGC Indexed)

Paper under Review:

- Implementation of Sayeh Processor in VHDL Using PERL Assembler
- Massive use of IoT in 6G: Design, Implementation & Applications.

Paper Reviewed:

1	**"Deep Learning Method to Identify the Demographic Attribute to Enhance Effectiveness of Sentiment Analysis"**, Akula .V.S. Siva Rama Rao Research Scholar, Department of Computer Science and Engineering, Hindustan Institute of Technology and Science, Chennai & Associate Professor, Dept. of CSE, SITE, Tadepalligudem, AP, India e-mail: shiva.akula@gmail.com
2	Survey Paper on Plant Leaf Diseases Detection Techniques used in Machine Learning
3	Plant Leaf Disease Detection using Machine Learning
4	DENSE AND PARTIAL CORRESPONDENCE IN NON-PARAMETRIC SCENE PARSING
5	Implementation of an Anomalous Human Activity Recognition System
6	A novel double gate FinFET transistor: device design and analysis
7	Analytical Modeling and Comparison of Triple Gate MOSFET with Double Gate MOSFET
8	Design and analysis of low power frequency divider in nano scale CMOS technology in 45nm technology
9	COMPARITIVE STUDY OF 3G AND 4G MOBILE COMMUNICATION
10	A Survey on Different Domino Logic Design Topologies for High-Performance and Leakage Tolerant Wide OR Gate
11	Design, Simulation and Analysis of a high Reliability Series Ohmic RF-MEMS Switch for Telecommunication Applications
12	A Detailed Study on Challenges Faced by Artificial Intelligence, Machine Learning and Deep Learning in 2020

Book Chapter under Review

1	A Chapter of Research Book of Taylar & Francis Publication has drafted titled as **"5G Technology, Protocol & Internet of Energy (IoE): Next Generation Smart Grid Communications".** **Status: Provisionally Accepted.**

FDP attended:

- One week **Faculty Development Programme** on **"Teaching Methodologies for Contemporary Engineering Education"** from **5th – 11th April, 2022.**
- Conducted One week **Faculty Development Programme** on **"Internet of Things, Applications & Future Perspective"** from **5th May – 11th May, 2020, sponsored by TEQUIP-III.**
- Two day "Faculty Development Program on Research Orientation" from **19th – 20th July, 2022.**

Webinar:

One Day National webinar on the topic "**Recent Trends on VLSI Technology**" by Shri Ram Murti Smarak College of Engineering & Technology on 5th December 2020.

STTP Conducted:

Conducted One week AICTE sponsored STTP on "**Advanced next generation wireless techniques"** from 27 July to 02 August 2020**.**

Conference Attended:

- The Ninth International Conference on "**Big Data Analytics 2021 (BDA21)"** - Indian Institute of Information Technology Allahabad, India from December 15th to 18th, 2021.
- National Conference at UCEM on **"Issues & Challenges in Technology & Management"** in August, 2009.

Workshop Conducted:

- Two days workshop on **MATLAB & SIMULINK** in 2015, 2016.
- Two days workshop on **Internet of Things with Projects**, 2017, 2018.
- Two days workshop on **AI, ML & Data analytics using Python** in 2018.
- Two days workshop on **Internet of Things, Its applications Using AWS** on 30 April-01 May 2022.
- One day workshop on **Microcontroller** in 2010.

Faculty Name : Mr. Ram Krishna Sharma

Publications:

- Abhishek Kumar Yadav, Shubham Dubey, Mr. Amit Kumar Tiwari, Mr. Ram Krishna Sharma, "**DESIGN A CONTROL DEVICE TO ACCESS HOME APPLIANCES**", Journal of Emerging Technologies and Innovative Research (JETIR), 2022 JETIR May 2022, Volume 9, Issue 5.

- Saumya Makker, Shubham Singh, Aditya Kumar, Pradyumn Pandey, Mr. Amitabh Srivastava, Mr. Ram Krishna Sharma, "**SMART HEALTH MONITORING SYSTEM**", International Research Journal of Modernization in Engineering Technology and Science (Peer-Reviewed, Open Access, Fully Refereed International Journal), Volume:04/Issue:05/May-2022.

- Saumya Dubey , Sonam Singh , Vandana Upadhyaya , Ram Krishna Sharma, "**SUITABLE ENERGY ADVANCEMENT IN DIRECT AND MINIMUM TRANSMISSION APPROACHES**", International Journal of Electrical and Electronics Engineers, ISSN-2321-2055 (E), IJEEE, Volume 07, Issue 01, Jan- June 2015.

- Ram Krishna Sharma, Kamlesh Kumar Mishra, "**PROBABILITY BASED OPTIMAL ENERGY CONSUMPTION IN WSN FOR DIFFERENT STRUCTURES**", International Journal of Advanced Technology in Engineering and Science, ISSN (online): 2348 – 7550, Volume No.03, Special Issue No. 02, February 2015.

Paper Reviewed:

1	Shashank Kumar Singh, Amit Kumar, **"PAPR Cancelation in OFDM using DCT-Selective Level Mapping and Modified Bartlett Hanning Window in Time-Varying Channel",** 2nd IEEE International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET- 2022), Organized By Department of Electrical Engineering, National Institute of Technology Patna, 24-25 June 2022. Review Date: 29/05/2022
2	Kaustubh Venkatesh, Gokul Nair, Arseta Singh, Dr. Sukanya Kulkarni. Dr. Preetida Jani, **"Wavelet-based Perfect Reconstruction Trans-multiplexer for Satellite Communications",** 2nd IEEE International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET- 2022), Organized

	By Department of Electrical Engineering, National Institute of Technology Patna, 24-25 June 2022. Review Date: 29/05/2022

FDP attended:

- Attended one week Faculty Development Programme on "**Teaching Methodologies for Contemporary Engineering Education**" at United Institute of Technology, Prayagraj during 5th – 11th April, 2022.
- Attended two Days Faculty Development Programme on "**Embedded Systems with Raspberry Pi**" at United Institute of Technology, Prayagraj during 11th – 12th Jan 2019.
- Attended two Days Faculty Development Programme on "**Electrical Design and Fabrication**" at United Institute of Technology, Prayagraj during 9th – 10th Jan 2019.
- Attended one week Faculty Development Programme on "**Wavelet Theory and Its Applications in Signals and Image Processing**" at United College of Engineering and Research, Prayagraj **sponsored by Dr. APJ Abdul Kalam Technical University**, Lucknow under **TEQIP-III** Scheme during 1st – 5th May, 2018.
- Attended one week Faculty Development Programme on "**Integrated Circuits: Design and Its Applications** jointly organized by **United Institute of Technology, Prayagraj** and **Dr. APJ Abdul Kalam Technical University**, Lucknow at United Institute of Technology, Prayagraj during 10st – 15th July, 2016.

FDP (Summer Training) attended:

- Attended Two weeks Summer School sponsored by **"The MHRD/AICTE sponsored**" on "**Process Instrumentation in Industries**" conducted by Electrical Engineering Department at United College of Engineering and Research, Prayagraj and training provided by "**National Institute of Technical Teachers' Training and Research, Chandigarh**" during 24th August – 4th September, 2009.

FDP (Workshops) attended:

- Attended eight days Faculty Development Program (**Refresher** Workshop) on **"Universal Human Values and Professional Ethics"** organized by **TEQIP-III** and conducted by **Value Education Cell, AKTU, Lucknow** at (284) United Institute of Technology, Prayagraj during 30th Nov – 7th Dec 2017.
- Attended eight days Faculty Development Program (**Level-1** Workshop) on **"Universal Human Values and Professional Ethics"** organized by **The University** and conducted by **Value Education Cell, AKTU** at (284) United Institute of Technology, Prayagraj during 3rd July – 10th July 2017.
- Attended one day Workshop on **"Universal Human Values and Professional Ethics"** organized by **The University** and conducted by **Value Education Cell, AKTU** at United Institute of Technology, Prayagraj on 15th May 2010.

Conference Attended:

- Attended **"International Conference on Recent Innovations in Science, Technology and Management"** organized by AR Research Publication at YMCA, Connaught Place, New Delhi on 30th May, 2015.
- Attended **"International Conference on Science, Technology and Management (ICSTM - 2015)"** organized by AR Research Publication at YMCA, Connaught Place, New Delhi on 1st Feb, 2015.
- Attended **"National Conference on Computer Science and Micro-Electro Mechanical System"** organized by United Institute of Technology, Prayagraj during 20th – 21st Feb, 2010.

Workshop Conducted:

- Two days workshop on **"Internet of Things, Its applications Using AWS"** during 30 April-01 May 2022.

Faculty Name : Mr. Ranjeet Kumar Pathak

Publications:

- **"Minimization of Lock Time and Analysis of Ripple Voltage of Digital Phase Locked Loop (DPLL)"** International Journal of Innovations & Advancement in Computer Science IJIACS ISSN 2347 – 8616 Volume 4, **Issue2 February 2015.**

- **"Quantitative Modeling and Simulation of Single –Electron Transistor",** IRJET, Vol:4 Issue: 03 | Mar-2017, p-ISSN:2395-0072, e-ISSN:2395-0056

- **"Power Quality Analysis and Improvement using Wavelet Transform and Re-construction Filters"** IJESC, Volume 7 Issue No.11, November 2017, ISSN 2321 3361© 2017 IJESC

- **"An investigation of photovoltaic system with maximum power point tracking method",** © 2018 JETIR July 2018, Volume 5, Issue 7 www.jetir.org (ISSN-2349-5162), Journal of Emerging Technologies and Innovative Research (JETIR) www.jetir.org

- **"Thyroid Nodule Detection in Infrared Thermography Using Deep Learning",** 2022 IEEE 7th International conference for Convergence in Technology (I2CT) Pune, India. Apr 07-09, 2022,978-1-6654-2168-3/22/$31.00 ©2022 IEEE

FDP attended:

- Attended one week Faculty Development Programme on "**Teaching Methodologies for Contemporary Engineering Education**" at United Institute of Technology, Prayagraj during 5th – 11th April, 2022.
- Attended two Days Faculty Development Programme on "**Embedded Systems with Raspberry Pi**" at United Institute of Technology, Prayagraj during 11th – 12th Jan 2019.
- One week **Instructor Led Live Online Training** on **"Deep Learning Using Medical Data"** from **8th – 12 Feb, 2021,** organized by **Finland Labs (A unit of Revert Technology Pvt Ltd).**
- One week **Faculty Development Programme** on **"Cyber Security"** from **8th – 13 Feb, 2021,** organized by **Finland E & ICT Academy IIT Kanpur.**
- Attended one week Faculty Development Programme on "**Wavelet Theory and Its Applications in Signals and Image Processing**" at United College of

Engineering and Research, Prayagraj **sponsored by Dr. APJ Abdul Kalam Technical University**, Lucknow under **TEQIP-III** Scheme during $1^{st} - 5^{th}$ May, 2018.

- Attended one week Faculty Development Programme on "**Integrated Circuits: Design and Its Applications** jointly organized by **United Institute of Technology, Prayagraj** and **Dr. APJ Abdul Kalam Technical University**, Lucknow at United Institute of Technology, Prayagraj during $10^{st} - 15^{th}$ July, 2016.

Webinar:

- Attended two days webinar on the topic **"Deep Learning Approach for Breast Cancer Detection"** held during NCSEM – 2020 on $15^{th} - 16^{th}$ July, 2020 hosted by Department of Information Science and Engineering.
- Attended one day webinar on the topic **"Brain Injury Detection Using Artificial Intelligence"** held on 2nd March, 2022 organized by IEEE Mysore.

Faculty Name : Mr. Abhishek Kumar Mishra

Publications:

- Abhishek Yadav, Prashant Singh, Ayush Apurva, Punya Parashar Pandey, Mr. Abhishek Kumar Mishra, **"INTELLIGENT SECURITY SYSTEM",** International Research Journal of Modernization in Engineering Technology and Science (Peer-Reviewed, Open Access, Fully Refereed International Journal), Volume:04/Issue:04/April-2022.

- Abhishek Mishra, Dr. G Sahoo, **"The Secure Data Storage in Cloud Computing Using Hadamard Matrix"**, International Journal of Engineering Science and Innovative Technology (IJESIT) Volume 2, Issue 2, 389-395,March 2013.

- Anurag Verma, Abhishek Mishra, **"Image Compression using Gaussian Smoothing Filter and Median Filter"**, International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC) Volume 3, Issue 11,6344-6347, November 2015.

- Anurag , Abhishek Mishra, **"Design and Analysis of Multiband Antenna using Hexagonal Patch with Modified L-Slot and I- Slot for Wideband Applications"**, International Journal of Engineering Science and Computing (IJESC) Volume 7,Issue 9,14938-14930, September 2017.

- Vandana Keshri , Abhishek Mishra, **"Fundamentals of Wireless LAN Design by Using Improved Dynamic Load Balancing Algorithm"**, International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE) Volume 6, Issue 11, 247-252, November 2017.

FDP attended:

- Attended one week Faculty Development Programme on "**Teaching Methodologies for Contemporary Engineering Education**" at United Institute of Technology, Prayagraj during 5th – 11th April, 2022.

- Attended two Days Faculty Development Programme on "**Electrical Design and Fabrication**" at United Institute of Technology, Prayagraj during 9th – 10th Jan 2019.

- Attended one week Faculty Development Programme on "**Wavelet Theory and Its Applications in Signals and Image Processing**" at United College of

Engineering and Research, Prayagraj **sponsored by Dr. APJ Abdul Kalam Technical University**, Lucknow under **TEQIP-III** Scheme during $1^{st} - 5^{th}$ May, 2018.

- Attended one week Faculty Development Programme on "**Integrated Circuits: Design and Its Applications** jointly organized by **United Institute of Technology, Prayagraj** and **Dr. APJ Abdul Kalam Technical University**, Lucknow at United Institute of Technology, Prayagraj during $10^{st} - 15^{th}$ July, 2016.

STTP Attended:

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- Two Days Faculty Development Programme on "**Embedded Systems with Raspberry Pi**" at United Institute of Technology, Prayagraj during 11th – 12th Jan 2019.