

School of Electrical, Electronics and Communication Engineering

Annual Academic achievement

Academic Year: 2016-17

1. Paper Publication (journal and Conferences)

S. No.	Title	Authors	Conference/Journal name (with vol, page and year)
1.	Design and analysis of SEPIC Converter based single-stage three-phase inverter	Dr. G. Mehta	ICICCD, Advances in Intelligent Systems and Computing, Springer.
2.	Line Flow Indices for Placement of Distributed Energy Sources in Relieving Transmission Line Congestion	Dr. G. Mehta	ICICCD, Advances in Intelligent Systems and Computing, vol. 479, pp. 527-536, Springer
3.	Optimization of Combined Economic Emission Dispatch Problem using Artificial Bee Colony Method	Dr. G. Mehta	International Conference on Futuristic Trends in Computation Analysis and Knowledge Management
4.	Balanced Cluster Head Selection Based on Modified k-Means in a Distributed Wireless Sensor Network	P Sasi Kumar, SibaamKhara and T. Shankar	International Journal of Distributed Sensor Networks, Vol. 2016, Article no 2, Mar 2016
5.	Integrating RSA cryptography & audio steganography	AnkitGamvir and SibaramKhara	IEEE International conference (ICCCA 2016), Greater Noida, 2016

6.	Performance Improvement of Squirrel Cage Rotor by Design Aspects	Dr. Lokesh varshney	(ICRAIE-2016)
7.	A Comprehensive Review of Performance Characteristics Evaluation of Self Excited Induction Generator	Dr. Lokesh varshney	Elsevier Publishers
8.	Comparison between several mitigation techniques of inrush current in transformer	Dr. Lokesh varshney	IEEE International Conference SPICES 2017
9.	Maximum Power Generation in a Piezoelectric Device Using a Strike Rate Method	Dr. Lokesh varshney	IEEE International Conference UPCON 2017
10.	Comparison of Techniques for Designing and Modeling of High Power Piezoelectric Devices	Dr. Lokesh varshney	IEEE International Conference UPCON 2017
11.	Control of Active and Reactive Power of Grid	Sushma Kakkar	Int. Conf.IEEE PIICON Oct. 2016
12.	Connected Inverter using Adaptive Network	Sushma Kakkar	Int. Conf.IEEE PIICON Oct. 2016
13.	based Fuzzy Inference System (ANFIS)	Sushma Kakkar	IEEE Power and Energy
14.	Control of Standalone wind/pv Hybrid	Sushma Kakkar	Technology Systems Journal
15.	Renewable Power Generation	Sushma Kakkar	6th IEEE International
16.	Design of 8 direction Reconfigurable Router Supporting Heterogeneous Data for Network on Chip (NoC)	Himani Mittal , Dr. Yogendera Kumar	Journal of Elsevier Materials Today , Dec. 2016.
17.	Comparative analysis of performance driven link designs for network on Chip	Himani Mittal , Dr. Yogendera Kumar	Elsevier: AKCE International Journal of Graphs and Combinatorics
18.	Innovative Heterogeneous Design of Low Power	Himani Mittal , Dr. Yogendera	IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE) e-ISSN: 2278-

	Reconfigurable Router for Network on Chip (NoC)	Kumar	1676,p- ISSN: 2320-3331, Volume 11, PP 01-09, Issue 5 Ver. II
19.	High Performance Smart routing for Network On Chip	Himani Mittal , Dr. Yogendera Kumar	International Journal of Advanced Research in Computer and Communication Engineering, ISO 3297:2007 Certified, Vol. 5, Issue 9, September 2016.

1. Number PhD scholars completed PhD (or PhD thesis submitted)

S.No.	Name of scholars	Thesis title	Name of guides/co guide (GU)	Date & Year of submission/Final Viva of Thesis
1.	P. Sasi Kumar	Energy efficient cluster based wireless sensor network.	Dr. SibaramKhara(Co-authored all papers related to Ph.D Thesis) and T. Shankar	31 st May 2017, Ph. D Completed
2.	Mrs. Himani Mittal	Heterogeneous Design of Low Power Reconfigurable Router for Network on Chip	Dr. Yogendera Kumar	Thesis submitted in 20 th April 2017.

2. Conference/Training / Workshops/Seminars/FDP/Symposia/Guest lecture/others Organized by school

S. No.	Title	Resource Persons	Date
1.	Hands on Training, Internet of Things using Raspberry Pi	EFY Group	5 th to 9 th September 2016
2.	National Level Championship Program on Mobile Robotics	Techtron Technologies	22 nd to 23 rd February 2017
3.	IEEE National Seminar on Recent Innovation and Development in Electrical and Electronics Engineering	Prof. (Dr.) Bhim Singh, Dean Academics IITD Prof. (Dr.) S. N. Singh, VC MMMU, Gorakhpur.	24 th March 2017
4.	Seminar on Advancement in Telecommunication	Mr. Atul Rajput, Indovision and Huawei Telecommunication representative.	18 th April 2017

3. Conference/Training / Workshops/Seminar/FDP/Symposia/Guest lectures Attended by Faculty

S.No	Event name	Date and year	Event organized by	Faculty members who attended the event from GU
1	Hackathon 17	1 st to 2 nd April 2017	MHRD, Government of India	Mr. Sarvesh Kumar Sharma (as a Mentor)
2	IETE 48 th Mid Term Symposium on Internet of Everything	8 th to 9 th April 2017	IETE, India	Mr. Sarvesh Kumar Sharma (as an author to a paper)
3	Embedded System Design and IoT	13 th April 2017	World Trade Tower	Dr. SibaramKhara

4. Funded Research Projects (Got during the academic year)

S. No	Faculty Name	Title	Funded by	Granted amount
1	SibaramKhara	Developing 3G/WLAN interworking network with seamless mobility support between the two systems.	DST	29 Lakh
2	SibaramKhara Sarvesh Kumar	Smart Health Care System For Rural People	DST	Submitted
3	Jeevanandam Sibaramkhara	Cognitive Technology Threat Signature Library (CTTSL) system for border security" under ICPS scheme of DST. Since the last date of submission is 31st March, 2017	DST	Submitted

5. Guest Lecture/Presentation/Session Chair by Faculty Outside GU

S.No	Faculty Name	Title	Place	Date
1	Mr. Sarvesh Kumar Sharma	Indian Perspective of Internet of Things Opportunities, Applications, Requirements and Challenges	PSIT, Kanpur	8 th to 9 th April 2017

6. Visit to Research Lab/Industry/University/Others by faculty members (India and abroad)

S.No	Faculty Name	Name of organization	Purpose of visit	Date
1	Dr. SibaramKhara Mr. Sarvesh Kumar Sharma	STMicroelectronics, Greater Noida	1. Internet of Things technologies exchange 2. STM collaboration with SECE/SCSE GU. 3. Industrial Internship progress for Fast Track program	15 th March 2017
2	Mr. Sarvesh Kumar Sharma	Huawei Telecommunication	Huawei Network Academy Meet	22 nd February 2017
3	Mr. D. Saravanan	Narula Power Stations	Industrial Visit	11 th March 2017
4	Prof. SibaramKhara	NAFSA, Denver, USA	Conference	June 2016
5	Prof. SibaramKhara	DebinaniVenkataRamana	Academic Visit	2016-17
6	Prof. SibaramKhara	MIC college of Technology	Academic Visit	31 st July 2016
7	Prof. SibaramKhara	Army Institue of Technology, Pune	Academic Visit	26 th August 2016
8	Prof. SibaramKhara	Mary Lakshman Reddy Institute	Academic Visit	18 th September 2016
9	Prof. SibaramKhara	Thyagraja College of Engineering	Academic Visit	30 th September 2016
10	Prof. SibaramKhara	Siddhartha Institute of Engineering	Academic Visit	9 th to 11 th December 2016

11	Prof. SibaramKhara	VC Roy Engineering College, Durgapur, WB	Academic Visit	10 th February 2017
12	Prof. SibaramKhara	EGS Pillai Engineering College	Academic Visit	31 st March 2017
13	Prof. SibaramKhara	Sri Venketasharya University, Tirupati	Academic Visit	28 th April 2017
14	Prof. SibaramKhara	Roger William University	Academic Visit	4 th June 2016
15	Prof. SibaramKhara	Brown University	Academic Visit	5 th June 2016
16	Prof. SibaramKhara	MIT University, USA	Academic Visit	5 th June 2016

7. Collaboration with Industry/University(India and Abroad)

S.No	Name of industry/university	Type collaboration	Coordinating faculty member	Date of implementation
1	STMicronics	<ol style="list-style-type: none"> 1. Visiting Faculty 2. Industrial Internship 3. Fast Track Program 4. Students Visit 5. Industrial Advisory for ECE programs 	Mr. Sarvesh Kumar Sharma	18 th July 2016

8. New Programme Launched

S.No	Name of the new programme(s)	UG/PG	Number of students	Name of Programme chair
1	B.Tech Electronics and Communication Engineering in Internet of Things	UG	11	Mr. Sarvesh Kumar Sharma
2	B.Tech ECE – Fast Track Mode	UG	06	Mr. Sarvesh Kumar Sharma

9. New Laboratory Set-up by Division

S.No	Laboratory Name	Division	Date of Establishment
1	Internet of Things lab with Raspberry Pi, Arduino and sensors	IoT	21 st July 2016
2	Advanced Heterogeneous Network Lab (APs, Routers, Switches)	IoT	19 th July 2016

10. Activities under the Chapter of Professional Society organized by school

S.No	Name of the chapter	Name of the event organized	Number of participants	Date
1	IRIS Club	Technical events during G-qusar 2017	100	16 th to 18 th March 2017

11. New Course offered, pedagogical approaches, innovations in teaching learning process

S.No	New course/pedagogy/innovated teaching learning methods	Name of faculty name	Name of course	Programme name
1	New Course	Mr. Sarvesh Kumar Sharma	Introduction to IoT and Its Application	B.Tech Electronics and Communication Engineering
2	New Course	Mr. Sarvesh Kumar Sharma	Electronics Devices and Circuits	B.Tech ECE/EE/EEE
3	Project Based Learning	SECE Faculty	Digital Design PBL Analog Communication PBL Digital Signal Processing PBL Microprocessor and Microcontrollers PBL Electrical Machine PBL Analog Integrated Circuits PBL	B.Tech ECE/EE/EEE
4	Literature Review	M.Tech Faculty Members	All M.Tech Courses	M.Tech Programmes
5	Simulation	Mr. Sarvesh Kumar Sharma	Network Routing Algorithms, Introduction to IoT and Its Applications	M.Tech Communication Engineering, B.Tech ECE
6	Group Discussion by Students	UG Faculty members	All B.Tech Courses	B.Tech ECE/EE/EEE
7	Presentation by Students	UG/PG Faculty members	All SECE Courses	B.Tech and M.Tech Programmes
8	Industry Visit	Mr. D. Saravanan Mr. Sarvesh Kumar Sharma	All B.Tech Courses	B.Tech ECE/EE/EEE
9	Model demonstration	Mr. Sarvesh Kumar Sharma	Introduction to IoT and Its Applications	B.Tech ECE

10	Presentation on Whole Syllabus	SECE Faculty members	UG/PG Courses	B.Tech ECE/EE/EEE M.Tech CE/VLSI/PSE/PED
11	Assignments	SECE Faculty members	UG/PG Courses	B.Tech ECE/EE/EEE M.Tech CE/VLSI/PSE/PED
12	Smart Books	All BEEE Faculty members	B.Tech 1st Year Courses	B.Tech ECE/EE/EEE
13	Scenario Study	Dr. SibaramKhara Mr. Sarvesh Kumar Sharam	Computer Networks Mobile Ad Hoc Network	B.Tech ECE

12. Placement internship

S.No.	Placement/internship	Programme name	Percentage of student placed/done internship	Year of study
1	Placement	B.Tech ECE	100 %	2013-17
2	Internship	B.Tech ECE	100 %	2013-17
3	Placement	B.Tech EE/EEE	100 %	2013-17
4	Internship	B.Tech EE/EEE	100 %	2013-17

13. Other Achievement

S.No.	Other Achievement Placement/internship/ etc.	Programme/ Visiting Place name	Students / Faculty	Year of study
1	Placement in STMICROELECTRONICS	M.TechVLSI Design	Deepika Sharma	2014-16
2	SSB selection in Air- Force	M.Tech VLSI Design	Nidhi Singh	2014-16

Prof. (Dr.) SibaramKhara
Dean, SECE.