REPORT ON DEPARTMENTAL ACTIVITIES

(FROM 01-11-2022 TO 31.07.2023)

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

I.   DEPARTMENT ACTIVITIES

1.   *Webinars/Workshops/Conferences/Seminars/FDPs Organized by the department*

S. No.	Webinars/Workshops/Conferences/Seminars/FDPs etc.	Date & Time	Report with Photos
1	Anti-Drug Pledge	11.08.2023 10:30 AM	Students & Faculties of EIE took Anti Drug Pledge at Virtual Instrumentation Laboratory in Department of EIE

| 2 | Internet of Things (IOT) Workshop | 11.10.2023 & 10 AM | On 11th October 2023, Department of Electronics and Instrumentation Engineering, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya has conducted a Internet of Things workshop- Hands on Training in association with Pantech India Pvt. Ltd, Chennai. The program commenced with a prayer and the chief guests VIGNESH KUMARAN A, R&D Engineer and RAMACHANDIRAN R, R&D Engineer were introduced by Dr. T.Lakshmibai, HOD / EIE.
 1. Dr. T.Sundar, Assistant Professor, Dept. of EIE, SCSVMV (Coordinator)
 2. Dr. T.Lakshmibai, HOD and Assistant Professor Dept. of EIE, SCSVMV (Convenor)
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| 3 | 56th Engineers day Celebration | 27.09.2023 & 10.30am | Department of EIE Sri Chandrasekharendra Saraswathi Viswa MahaVidyalaya (SCSVMV) celebrated ENGINEERS DAY 2023 on 27.09.2023. The Coordinator of this program Dr. T. Lakshmibai HOD/EIE made all the arrangements for the smooth conduction of the program. Dr T Lakshmibai, HOD/EIE Honours the Chief guest Ms R Ramyashri ravindran Implementation Analyst, Disprz – Edutech Indian Startup, Chennai
 Convenor: Dr. T. Lakshmibai, HOD/EIE The Staff Coordinators are: 1. Dr. T. Sundar, AP/EIE 2. Dr. K. |

			Saraswati, AP/EIE 3. Dr. N.C.A. Boovarahan, AP/EIE The Students Coordinators are: 1. Mr. Sai phani Chandra,III Mechatronics 2. Mr. Anantha Padmanabban,III Mechatronics 3. Mr. Hardik Srivasta,II Mechatronics
4	Inauguration of SETS (Science Engg. Tech & Space) Club for EIE & Mechatronics Engineering students	27.09.2023 & 10.30am	Club inaugurated on September 27th 2023. This club is started for the benefit of University Students by EIE & Mechatronics Engineering Students. The motto of the Club is "Knowledge with no boundaries" The vision of the club is to extend technical support to the students by providing additional intrapersonal skills and outside the box thinking and having a knowledge on the all fields like science and space technology.

2. *Research Colloquiums details*

S.No.	Date	Name of the scholar	Title
1	31.10.2023	K.Saraswathi	Tuning of Decentralized PID Controllers for MIMO System

3. *Details of Doctoral Committee Meetings*

S.No.	Date	Name of the scholar	I DC/II DC/ III DC /Synopsis/ viva voce	Title

4. *Details of RELEASE OF NEWS LETTERS*

S.No.	Name	Month and Year release	Photo / Link

5. *Details of GUEST LECTURES ARRANGED*

S.No.	Date	Name of the speaker(s)	Report with Photos

6. *Details of EXPERT VISIT to the department*

S.No.	Date	Name and Address of the Expert	Purpose of visit, Report with Photos
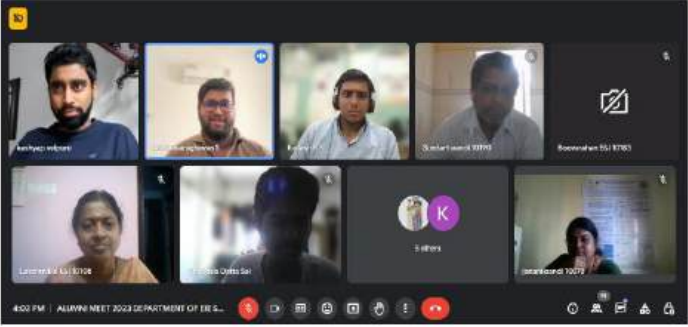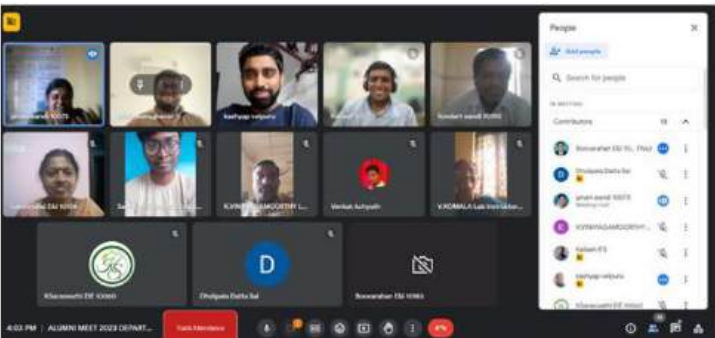
7. *Details of PARENT TEACHERS MEETINGS*

S.No.	Date	No. of parents participated	Report with Photos

8. *Details of functional MoUs with institutions/industries in India and abroad for internship, on-the-job training, project work, students/ faculty exchange and collaborative research*

S.No.	Name of the Organization/Institution/Industry with whom MoU is signed	Month & Year of signing MoU	Duration of MoU	Report on actual activities under each MoU

9.   Details of Alumni Meet

S.No.	Date	Venue	Report with Photos
1	Alumni Meet	27.12.2023 & 3 PM	The Virtual Alumni Meet for the students of Electronics and Instrumentation Engineering (EIE) and Mechatronics Engineering, which took place on the 27th of December 2023 at 3:00 PM. The event was organized to connect current students with alumni, providing valuable insights into real-time industrial needs and fostering opportunities for collaboration. The meeting commenced at 3:00 PM with a warm welcome address by the coordinator, Dr. Janani.R. Despite 38 students expressing interest, only 25 members attended the virtual meet. The event concluded with a vote of thanks proposed by Dr. N.C.A. Boovarahan, expressing gratitude to the management for granting permission to organize the virtual alumni meet. Coordinators Dr. Janani R & Dr. N.C. A. Boovarahan Department of Electronics and Instrumentation Engineering

10.   Details of Association Inaugurated

S.No.	Date	Name of the Association	Report with Photos

11.   Details of Events / Celebrations / Cultural activities / any other activities

S.No.	Date	Name of the Event	Report with Photos
1	11/12/2023	Viksit Bharat@2047	Department of EIE staffs and students actively participate viksit bharat online program. Viksit Bharat@2047 is the vision of Governement of India to make India a developed nation by 2047, the 100th year of its independence. The vision encompassess various aspects of development, including economic growth, social progress, environmental sustainability, and good governance.
2	18/10/2023	Yuva Sangam	Department of EIE & Mechatronics Students registered in Yuva Sangam. YUVA SANGAM (Phase-III) envisages participation from 22 States and UTs from across India with following Higher Education Institutions paired for the purpose of conduct of tours. Yuva Sangam is an initiative by the Government of India to strengthen people-to-people connect between youth belonging to different States/UTs of India. Interested youth in the age group of 18-30 years, mainly students, NSS/

			NYKS volunteers, employed/self-employed persons, etc
3	09/11/2023	National – Integrity Pledge	Department of EIE faculties & students took a national integrity pledge which was organized from Central Vigilance Commission, Ministry Of Electronics & Information Technology, Government Of India

12. Details of development in INFRASTRUCTURE and LEARNING RESOURCES during the period

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II. FACULTY ACTIVITES

1. a. *Seminars / Conferences / Workshop /Webinars attended by the Faculty members*

S.No.	Name of the Faculty	Name of the Seminar/Workshop/Webinar/Conference/etc.	Date and Venue
1		Faculty Development Programme on "FULL STACK DEVELOPMENT"	Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, Virudhunagar, from 11.07.2023 to 15.07.2023
2		**International - Faculty**	In association with Institution of

	Dr T Lakshmibai	**Development Programme - **Scope of AI And Technological Advancements In Research And Industry Perspective	Engineers India, Students Chapter, Dept. of Electronics and Communication Engineering, SRM Institute of Science and Technology, Ramapuram Campus, Chennai **01-07-23 to 08-07-23**
3		**International - Faculty Development Programme - **Mathematics in Real, Applied and Computational Domains	Department of Mathematics, School of Science and Humanities, Sathyabama Institute of Science and Technology, Chennai **03-07-23 to 08-07-23**
4		**International - Faculty Development Programme - **Frontiers of Mathematics	Department of Mathematics, SRMIST, Ramapuram, Chennai - 600089 in collaboration with 1 December 1918, Alba Iulia, Romania **05-07-23 to 19-07-23**
5		**National - Workshop - **NPTEL E Awareness workshop	NPTEL IIT Madras In Association with IQAC SCSVMV Enathur, Kanchipuram **17-07-23**
6		**National - Faculty Development Programme - **LabVIEW and Data Acquisition System	School of Mechanical Engineering, KIIT Deemed to be University Bhubaneswar-751024, Odisha **26-07-23 to 28-07-23**
7		FDP - Empowering Entrepreneurship for Health, Food and Technology Innovation	28-08-2023 to 15-09-2023 DST sponsored 3 weeks FDP organized by AMET University, Chennai
8		International – Workshop - Role of Mathematics in Machine Learning	04-09-2023 to 05-09-2023 Dept of Mathematics, SRMIST, Ramapuram, Chennai, India
9		National – Maha Quiz - CHANDRAYAAN 3	26-10-2023, ISRO, Andhra Pradesh, India
10		National – Workshop on SPSS	Faculty of Education, Dr.M.G.R. Educational And Research Institute, Chennai 01-11-2023 to 03-11-2023
11		National – Integrity Pledge	09-11-2023 Central Vigilance Commission, Ministry of Electronics & Information Technology, Government of India
12		National – Two Week Virtual FDP on Entrepreneurship	22-11-2023 To 05-12-2023 DST Government of India sponsored FDP Organized By Mannar Thirumalai Naicker College, Pasumalai, Madurai, Tamilnadu, India
13		National – Webinar - IP	28-11-2023

S.No.		Name of the Seminar/Workshop/Webinar/Conference/etc.	Date and Venue
		Awareness/ Training Program under National Intellectual Property Awareness Mission	Intellectual Property Office, India
14		National – Workshop - Vedic Mathematics	18-12-2023 To 22-12-2023 Department Of Mathematics, SRMIST, Ramapuram, Chennai – 600089
15		International – Mathematics Week - A Mathematical Tribute To Srinivasa Ramanujan Infinite Insights - Unveiling Mathematical Marvels- Series Of Lectures	18-12-2023 to 21-12-2023 Department Of Mathematics, SRMIST, Ramapuram, Chennai – 600089

S.No.	Name of the Faculty	Name of the Seminar/Workshop/Webinar/ Conference/etc.	Date and Venue
1		National level FDP on ChatGPT & AI tools for Educators by St Joseph's College Irinkalakuda, in association with KSHEC	18th to 26th July 2023
2	Dr R Janani	**National - Faculty Development Programme -** LabVIEW and Data Acquisition System	School of Mechanical Engineering, KIIT Deemed to be University Bhubaneswar-751024, Odisha **26-07-23 to 28-07-23**
3		INTERNATIONAL CONFERENCE ON MATERIAL PROCESSING USING LASERS AND SURFACE ENGINEERING IMPULSE	14/12/2023 & 15/12/2023 IIT Madras
4		NATIONAL CONFERENCE ON COMMUNICATION IMAGE PROCESSING AND COMPUTING NCIPC	16/12/2023 WALCHAND COLLEGE OF ENGINEERING SANGLI

S.No.	Name of the Faculty	Name of the Seminar/Workshop/Webinar/ Conference/etc.	Date and Venue
1		**International - Faculty Development Programme -** Scope of AI And Technological Advancements In Research And Industry Perspective	In association with Institution of Engineers India, Students Chapter, Dept. of Electronics and Communication Engineering, SRM Institute of Science and Technology,

			Ramapuram Campus, Chennai **01-07-23 to 08-07-23**
2		**International - Faculty Development Programme -** Mathematics in Real, Applied and Computational Domains	Department of Mathematics, School of Science and Humanities, Sathyabama Institute of Science and Technology, Chennai **03-07-23 to 08-07-23**
3		**International - Faculty Development Programme -** Frontiers of Mathematics	Department of Mathematics, SRMIST, Ramapuram, Chennai - 600089 in collaboration with 1 December 1918, Alba Iulia, Romania **05-07-23 to 19-07-23**
4		**National - Faculty Development Programme -** Numerical Analysis and Global Optimization	Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai. **06-07-23 to 10-07-23**
5		**National - Workshop -** NPTEL E Awareness workshop	NPTEL IIT Madras In Association with IQAC SCSVMV Enathur, Kanchipuram **17-07-23**
6		**National - Faculty Development Programme -** Technology Towards Society 5.0	Department of Computer Science, School of Science and Humanities, Sathyabama University, Chennai **21-07-23 to 27-07-23**
7		**National - Faculty Development Programme -** LabVIEW and Data Acquisition System	School of Mechanical Engineering, KIIT Deemed to be University Bhubaneswar-751024, Odisha **26-07-23 to 28-07-23**
8		NATIONAL – ONE DAY NET ORIENTATION PROGRAM - PAPER 1	ARCOT SRI MAHALAKSHMI WOMENS COLLEGE OF ENGINEERING, VILLAPURAM, TAMILNADU 03-11-2023
9		NATIONAL – INTEGRITY PLEDGE	CENTRAL VIGILANCE COMMISSION, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, GOVERNMENT OF INDIA 09-11-2023
10		NATIONAL – TWO WEEK VIRTUAL FACULTY DEVELOPMENT	DEPARTMENT OF SCIENCE AND TECHNOLOGY, GOVERNMENT OF

Note: The first row also contains "Dr K saraswathi" in the second column.

		PROGRAME ON ENTREPRENEURSHIP	INDIA ORGANIZED BY MANNAR THIRUMALAI NAICKER COLLEGE, PASUMALAI, MADURAI, TAMILNADU, INDIA 22-11-2023 to 05-12-2023
11		NATIONAL Lecture – Teaching Trials & Triumphs: Overcoming Challenges and Enhancing quality	The Internal Quality Assurance Cell, Dr.M.G.R.Educational and Research Institute 16-12-2023
12		NATIONAL – WEBINAR IP AWARENESS/ TRAINING PROGRAM - NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	INTELLECTUAL PROPERTY OFFICE, INDIA 28-11-2023
13		NATIONAL – WORKSHOP - VEDIC MATHEMATICS	DEPARTMENT OF MATHEMATICS, SRMIST, RAMAPURAM, CHENNAI – 600089 18-12-2023 to 22-12-2023

S.No.	Name of the Faculty	Name of the Seminar/Workshop/Webinar/ Conference/etc.	Date and Venue
1		**International - Faculty Development Programme -** Scope of AI And Technological Advancements In Research And Industry Perspective	In association with Institution of Engineers India, Students Chapter, Dept. of Electronics and Communication Engineering, SRM Institute of Science and Technology, Ramapuram Campus, Chennai **01-07-23 to 08-07-23**
2		**International - Faculty Development Programme -** Mathematics in Real, Applied and Computational Domains	Department of Mathematics, School of Science and Humanities, Sathyabama Institute of Science and Technology, Chennai **03-07-23 to 08-07-23**
3	Dr T Sundar	**International - Faculty Development Programme -** Frontiers of Mathematics	Department of Mathematics, SRMIST, Ramapuram, Chennai - 600089 in collaboration with 1 December 1918, Alba Iulia, Romania **05-07-23 to 19-07-23**

4		**National - Faculty Development Programme -** Numerical Analysis and Global Optimization	Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai. **06-07-23 to 10-07-23**
5		**National - Webinar –** OBE Technology Demo	Inpods India PVT Ltd. Pune, Maharastra **14-07-23**
6		**National - Workshop -** NPTEL E Awareness workshop	NPTEL IIT Madras In Association with IQAC SCSVMV Enathur, Kanchipuram **17-07-23**
7		**National - Faculty Development Programme -** Technology Towards Society 5.0	Department of Computer Science, School of Science and Humanities, Sathyabama University, Chennai **21-07-23 to 27-07-23**
8		**National - Faculty Development Programme -** LabVIEW and Data Acquisition System	School of Mechanical Engineering, KIIT Deemed to be University Bhubaneswar-751024, Odisha **26-07-23 to 28-07-23**
9		NATIONAL – ONE DAY NET ORIENTATION PROGRAM - PAPER 1	ARCOT SRI MAHALAKSHMI WOMENS COLLEGE OF ENGINEERING, VILLAPURAM, TAMILNADU 03-11-2023
10		NATIONAL – INTEGRITY PLEDGE	CENTRAL VIGILANCE COMMISSION, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, GOVERNMENT OF INDIA 09-11-2023
11		NATIONAL – TWO WEEK VIRTUAL FACULTY DEVELOPMENT PROGRAME ON ENTREPRENEURSHIP	DEPARTMENT OF SCIENCE AND TECHNOLOGY, GOVERNMENT OF INDIA ORGANIZED BY MANNAR THIRUMALAI NAICKER COLLEGE, PASUMALAI, MADURAI, TAMILNADU, INDIA 22-11-2023 to 05-12-2023
12		NATIONAL Lecture –	The Internal Quality

		Teaching Trials & Triumphs: Overcoming Challenges and Enhancing quality	Assurance Cell, Dr.M.G.R.Educational and Research Institute 16-12-2023
13		NATIONAL – WEBINAR IP AWARENESS/ TRAINING PROGRAM - NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	INTELLECTUAL PROPERTY OFFICE, INDIA 28-11-2023
14		NATIONAL – WORKSHOP - VEDIC MATHEMATICS	DEPARTMENT OF MATHEMATICS, SRMIST, RAMAPURAM, CHENNAI – 600089 18-12-2023 to 22-12-2023

S.No.	Name of the Faculty	Name of the Seminar/Workshop/Webinar/ Conference/etc.	Date and Venue
1	Dr K sugapriya	**National - Workshop -** NPTEL E Awareness workshop	NPTEL IIT Madras In Association with IQAC SCSVMV Enathur, Kanchipuram **17-07-23**
2		**National - Faculty Development Programme -** LabVIEW and Data Acquisition System	School of Mechanical Engineering, KIIT Deemed to be University Bhubaneswar-751024, Odisha **26-07-23 to 28-07-23**
3		NATIONAL – ONE DAY NET ORIENTATION PROGRAM - PAPER 1	ARCOT SRI MAHALAKSHMI WOMENS COLLEGE OF ENGINEERING, VILLAPURAM, TAMILNADU 03-11-2023
4		NATIONAL – INTEGRITY PLEDGE	CENTRAL VIGILANCE COMMISSION, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, GOVERNMENT OF INDIA 09-11-2023
5		NATIONAL – TWO	DEPARTMENT OF

S.No.		Name of the Seminar/Workshop/Webinar/Conference/etc.	Date and Venue
		WEEK VIRTUAL FACULTY DEVELOPMENT PROGRAME ON ENTREPRENEURSHIP	SCIENCE AND TECHNOLOGY, GOVERNMENT OF INDIA ORGANIZED BY MANNAR THIRUMALAI NAICKER COLLEGE, PASUMALAI, MADURAI, TAMILNADU, INDIA 22-11-2023 to 05-12-2023
6		NATIONAL Lecture – Teaching Trials & Triumphs: Overcoming Challenges and Enhancing quality	The Internal Quality Assurance Cell, Dr.M.G.R.Educational and Research Institute 16-12-2023
7		NATIONAL – WEBINAR IP AWARENESS/ TRAINING PROGRAM - NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	INTELLECTUAL PROPERTY OFFICE, INDIA 28-11-2023
8		NATIONAL – WORKSHOP - VEDIC MATHEMATICS	DEPARTMENT OF MATHEMATICS, SRMIST, RAMAPURAM, CHENNAI – 600089 18-12-2023 to 22-12-2023

S.No.	Name of the Faculty	Name of the Seminar/Workshop/Webinar/ Conference/etc.	Date and Venue
1		**FDP –** Scope of AI and Technological advancements in research and industry perspective	Institution of Engineers India Students Chapter and Department of ECE SRM institute of science and technology RAMAPURAM Chennai 89 01/07/2023 to 08/07/2023
2	Dr N C A Boovarahan	**FDP -** Mathematics in Real, Applied and Computational Domains	Department of Mathematics School of science and humanities, Sathyabama Institute of Science and Technology Chennai 03/07/2023 to 08/07/2023
3		**Workshop – NPTEL E** Awareness Workshop	IQAC SCSVMV 17/7/2023
4		**FDP –** Labview & Data Acquistion system	School of mechanical engineering KIIT Deemed to be

			University 26/07/2023 to 28/07/2023
5		NATIONAL – ONE DAY NET ORIENTATION PROGRAM - PAPER 1	ARCOT SRI MAHALAKSHMI WOMENS COLLEGE OF ENGINEERING, VILLAPURAM, TAMILNADU 03-11-2023
6		NATIONAL – INTEGRITY PLEDGE	CENTRAL VIGILANCE COMMISSION, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, GOVERNMENT OF INDIA 09-11-2023
7		NATIONAL – TWO WEEK VIRTUAL FACULTY DEVELOPMENT PROGRAME ON ENTREPRENEURSHIP	DEPARTMENT OF SCIENCE AND TECHNOLOGY, GOVERNMENT OF INDIA ORGANIZED BY MANNAR THIRUMALAI NAICKER COLLEGE, PASUMALAI, MADURAI, TAMILNADU, INDIA 22-11-2023 to 05-12-2023
8		NATIONAL Lecture – Teaching Trials & Triumphs: Overcoming Challenges and Enhancing quality	The Internal Quality Assurance Cell, Dr.M.G.R.Educational and Research Institute 16-12-2023
9		NATIONAL – WEBINAR IP AWARENESS/ TRAINING PROGRAM - NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	INTELLECTUAL PROPERTY OFFICE, INDIA 28-11-2023
10		NATIONAL – WORKSHOP - VEDIC MATHEMATICS	DEPARTMENT OF MATHEMATICS, SRMIST, RAMAPURAM, CHENNAI – 600089 18-12-2023 to 22-12-2023

b. Faculty Development Programme / Refresher / Orientation / Training Programmer / Short terms courses attended by the Faculty members

S.No.	Name of the Faculty	Name of the course	Organized by	Date and Venue
1		EMERGING COMPUTATIONAL INTELLIGENCE AND OPTIMIZATION TECHNIQUE IN HEALTHCARE	SAVEETHA ENGINEERING COLLEGE	25-09-2023 to 27-09-2023
2		APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN ELECTRICAL AND ELECTRONICS ENGINEERING	NITTTR CHENNAI	16-10-2023 to 20-10-2023
3		NATIONAL INTELLECUTAL PROPERTY AWARENESS MISSION	NIPAM	28-11-2023
4	Dr. Janani R	FACULTY DEVELOPMENT PROGRAMME ON ENTREPRENEURSHIP	MANNAR THIRUMALAI NAICKER COLLEGE, PASUMALAI	22-11-2023 to 05-12-2023
5		FACULTY DEVELOPMENT PROGRAMME -ECE LAB PRACTICES USING MULTISIM LIVE ONLINE SIMULATOR	ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT, NITTTR CHANDIGARH	04-12-2023 to 08-12-2023
6		MICROSOFT POWERPOINT	SKILL NATION	11-12-2023
7		MASTER CLASS ON EMBEDDED AND INTERNET OF THINGS	SKILL DZIRE TECHNOLOGIES PRIVATE LIMITED	01-01-2024 to 05-01-2024
8	Mrs V Komala	FACULTY DEVELOPMENT PROGRAMME -ECE LAB PRACTICES USING MULTISIM LIVE ONLINE SIMULATOR	ELECTRONICS AND COMMUNICATION ENGINEERING	04-12-2023 to 08-12-2023

			DEPARTM ENT, NITTTR CHANDIGA RH	

2. ***Paper presented by the Faculty Members in conferences/seminars/workshops etc.***

- T.LAKSHMIBAI, Presented a paper titled "Experimental study of Arduino based Automatic Vending Machine with Push button Interface" in the International conference "Eurasian Conference on Science, Engineering & Technological Innovations" organized by International Scientific Research Association Eurasian Research Organization Research Culture Society & Supported by: Eurasian Institute of Science and Technology (EU) from 06.01.2024 to 07.01.2024

- Janani. R, Mahendra Kumar "Polynomial Control Strategy for Enhanced PI Controllers in Multivariable Processes: Design and Analysis", presented in International Conference on Material Processing using Lasers and Surface Engineering IMPULSE 2023, in Indian Institute of Technology, between 14th – 15th December 2023

- Janani. R, "Optimizing Interacting Systems with a Grey Wolf Optimization-Based Two-Mode Controller Design" presented in National Conference on Communication, Image Processing and Computing NCIPC 2023, in Department of Electronics Engineering, Information Technology and Computer Science and Engineering, Walchand College of Engineering, Sangli, between 15th – 16th December 2023

- Janani. R, "A Comprehensive Analysis of Stress Management Approaches Among Professional Graduates" presented in International Conference Application of Recent Technologies in Science, Engineering, Management for Societal and Industrial Development (ICASEM 2024), in School of Engineering and Technology Mody University of Science and Technology, Lakshmangarh, Rajasthan, India between 11th – 13th January 2024.

- N C A Boovarahan, "Automated Air Pollution Monitoring System" presented in 7th International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE) in SRM IST Delhi NCR Campus Ghazibad, India on 22 september 2023 to 23 september 2023. (Online Mode)

- N C A Boovarahan, "IOT Based Smart System For Fire Detection in Forests" presented in 7th International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE) in SRM IST Delhi NCR Campus Ghazibad, India on 22 september 2023 to 23 september 2023. (Online Mode)

- N C A Boovarahan, "IOT Based Water Level Management System" presented in 7th International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE) in SRM IST Delhi NCR Campus Ghazibad, India on 22 september 2023 to 23 september 2023. (Online Mode)

- N C A Boovarahan, "Independent Wireless Networking System for Environmental Monitoring" presented in International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 2023) in M P Nachimuthu M Jaganathan Engineering College Chennimalai Erode India on 18 October 2023 to 20 October 2023 (Online Mode)

- N C A Boovarahan, "Fuzzy Network Based 6G Framework For Healthcare Applications" presented in International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 2023) in M P Nachimuthu M Jaganathan Engineering College Chennimalai Erode India on 18 October 2023 to 20 October 2023 (Online Mode)

3. ***Articles published by the Faculty members (journals as notified on UGC website ie in SCI/Scopus/WoS/IEEE/PubMed/UGC care)***

    1. K.Saraswathi & S.Vijayaraghavan, Design of TITO system using ANFIS-PID controller for polymerization industry, Measurement: Sensors (Elsevier), DECEMBER/2023, (**Scopus).**

    2. T.SUNDAR, Linear Programming Model of Maximum Network Flow and Its Solution, Mukt Shabd Journal, Volume XII, Issue XII, DECEMBER/2023,pp. 1654 – 1664 **(UGC Care).**

    3. T.SUNDAR, Study of Sequencing Model Application and Solution of LPP Formulation, International Journal of Multidisciplinary Innovative Research Study of Sequencing Model Application and Solution of LPP Formulation, Volume 4, Number 1 , Jan' 2024. pp. 42-50.

    4. T.SUNDAR, A Comprehensive Review of Thermal Power Plants in India, International Journal of Multidisciplinary Innovative Research, Volume 4, Number 1 , Jan' 2024, pp. 51-56

4. *Number of Books and chapters in edited volumes published by the faculty members*

    Dr T Lakshmibai and Dr N C A Boovarahan Authored and Published a book titled "IoT in Automation" in the month of Nov 2023, publishers- Charulatha Publications, Chennai 33

5. *Staff Participation (Delivered Lecture, Act as Resource Person Etc.)*

Sl. No	Date	Name of the Staff	Topic of the Lecture	Nature of the event	Institution/ Place

6. *Details of Citation Index in Scopus/Web of Sciences/PubMed/Google Scholar*

S.No.	Name of the Faculty & Designation	Citation Index (Scopus/Web of Sciences/PubMed/etc.)	H-Index in Scopus/Web of Sciences/PubMed	Citation Index in Google scholar	H-Index in Google Scholar

7. Details of Awards / Recognition Received By Faculty Members

S.No.	Name of the faculty & Designation	Month & Year	Name of the award, fellowship, received from government or Government recognized bodies	Name of the Awarding Agency

8. Details of projects undertaken by the faculty members

S.No.	Name of the faculty	Designation	Duration & Status	Name of the Project	Amount	Funding Agency/University project

9. Details of consultancy

S.No.	Name of the faculty	Designation	Month & Year	Name of the Company	

10. Details of patents filled by the faculty members

S.No.	Inventor	Designation	Month & Year	Title and description	Indian/ International

11. Details of faculties in Journal Editorial Boards/Reviewer

S. No	Name of the faculty & Designation	Position	Journal Name
2	**Dr T Lakshmibai Assistant Professor**	Peer - Reviewer	Reviewer in Asian Journal of Research in Computer Science **03-07-2023**
		Peer - Reviewer	Reviewer on Asian Journal of Agricultural Extension, Economics & Sociology **13-07-2023**
		Peer - Reviewer	Reviewer on Asian Journal of Probability and Statistics 19-09-2023
		Peer - Reviewer	Peer - Reviewer for the book titled - Current Perspective to Physical Science Research 27-09-23
		Peer - Reviewer	Peer - Reviewer for the book titled - Research and Developments in Engineering Research Vol.9, 14.10.23
		Peer - Reviewer	Reviewer on International Journal of Environment and Climate Change 04-11-23
		Peer - Reviewer	Reviewer for Journal of

S.No.		Peer - Reviewer	Energy Research and Reviews 24.11.23
		Peer - Reviewer	Reviewer for International Journal of Engineering Research and reports 28.11.23
2	**T.SUNDAR, Assistant Professor**	Peer - Reviewer	Reviewer in International Journal of Environment and Climate Change **09-09-2023**
		Peer - Reviewer	Reviewer in Journal of Energy Research and Reviews **20-07-2023**
		Peer - Reviewer	Reviewer in International Journal of Environment and Climate Change **30-07-2023**
		Peer - Reviewer	Reviewer in Advances and Challenges in Science and Technology **27-09-2023**
		Peer - Reviewer	Reviewer in Asian Journal of Advances in Research **02-10-2023**
		Peer - Reviewer	Reviewer in Journal of Engineering Research and Reports **14-10-2023**
		Peer - Reviewer	Reviewer in Journal of Geography, Environment and Earth Science International **15-10-2023**
		Peer - Reviewer	Reviewer in Journal of Applied Life Sciences International **16-10-2023**
		Peer - Reviewer	Reviewer in Asian Journal of Biology **19-11-2023**
		Peer - Reviewer	Reviewer in Advancement and New Understanding in Medical Science **28-12-2023**

III. STUDENTS ACTIVITIES

1. Training Programme organized for students

S.No.	Date	Name of the programme	Report

2.   Details of INDUSTRIAL VISITS

S.No.	Date	Company and Place	Report
1	08/09/2023	Hatsun agro product limited & White gate Kanchipuram	Department of EIE, Mechatronics & ECE students with faculties visited Milk procurement testing lab, processing lab, distribution and logistics and animal husbandry area in Hatsun agro product limited & White gate Kanchipuram on 08/09/2023
2	28/11/23 Sai Phani 11219H002 Chandra (III Year Mechatronics)	VSSE-ISRO Thiruvananthapuram	Many prototypes of every satellite which are launched by isro, and he saw solid engines, liquid engines (also vikas engine), cryogenic engines. Space capsule, many rockets like pslv, gslv,lvm3 etc and he saw the miniature size of components and batteries which are used in rockets and rovers
3	27/11/2023 Dattasai 11219H003 (III Year Mechatronics) and Sudhan babu 11229H002 (II Year Mechatronics)	ZF Rane Automotive India Private Limited GST main road, vallanchery, guduvanchery Chennai	On 25th November dattasai visited ZF rane automotive indian private limited company and they had a great interaction with people in the company, company people started with company introduction through ppt and they explained about hydraulic power steering system and its working principle, finally he had a good knowledge about rack, pinion, pump etc

S.No.	Date	Company and Place	Report

3. Details of In-Plant Training

S.No.	Date	Name of the student	Duration	Place / Industry

4. Details of Internship

S.No.	Date	Name of the student	Duration	Place / Industry
1	10/07/2023 to 22/07/2023	V Raghul & Sai Lakshman(Final Year Mechatronics)	12 Days	India Cements, Dalawai plant, Kudaloor District
2	4/07/2023 – 21/07/2023	DHULIPALA DATTASAI (Third Year Mechatronics)	19 days	OIL AND NATURAL GAS CORPORATION,OGT - KAKINADA

5. Seminars / Conferences / Workshop / Training attended by the Students

Sl. No.	Date	Name of the students	Nature of the events	Institution /Place
1.	13/07/2023	Chittaluri Sai Phanichandra (3rd Year Mechatronics)	Getting started with AWS startup programs and building your MVP on AWS	Amazon Web Services, online
2.	17/07/2023	Chittaluri Sai Phanichandra (3rd Year Mechatronics)	NPTEL awareness E-workshop	SCSVMV
3.	25/07/2023 to 30/07/2023	Chittaluri Sai Phanichandra (3rd Year Mechatronics)	GUVI platform in Python	Python Programming, Online

Sl. No.	Date	Name of the students	Nature of the events	Institution /Place
1.	10/09/2023	Ch. Sai Phanichandra	Arduino Uno (Training)	Udemy/online
2.	12/09/23	Ch. Sai Phanichandra	Build a face recognition application using python(Training)	Guvi/online
3.	02/10/23	Ch. Sai Phanichandra	Home	Guvi/online

S.No.	Date	Name	Title	Institution
			automation using esp32(Training)	
4.	27/10/23	Ch. Sai Phanichandra	Robotic process and automation(Training)	Guvi/online
5.	18/11/23	Ch. Sai Phanichandra	Introduction to Artificial Intelligence(Training)	Harvard University/online
6.	19/12/23	Ch. Sai Phanichandra	New Space: Access to space - Basics (Training)	ISAE-SUPAERO-Toulouse University/online
7.	28/12/23	Ch. Sai Phanichandra	Ethical Hacking: Web Enumeration (Training)	Udemy/online
8.	14/01/2024	Ch. Sai Phanichandra	Rocket Propulsion(Training)	NPTEL/Online
9.	11/10/23	Ch. Sai Phanichandra	Workshop on IOT	SCSVMV, OFFLINE
10.				
11.				

6. Details of Students' achievement in Research (Paper / Project presented by the Students)

S.No.	Date	Name of the Student(s)	Name of the Event	Title of the paper/Project	Institution & Place

7. Details of placement activities

S.No.	Month & Year	Name of the Company	No. of student selected	Minimum - Maximum Package

IV. **Any other Significant Reportable Activities**
1. EIE faculties published their articles in the Engineers day Magazine "Injenieurs Navapravastana" given below

Article no	Title & author	Page no
	INJENIEURSNAVAPRAVASTANA	
01	"சொல்லுக்கும் பொருளுக்கும் மூலம் இறைவனே" – – தெய்வத்தின் குரலில் இருந்து......– **Dr.T.Lakshmibai, A.P/EIE**	07
02	ENGINEERING INNOVATION FOR A MORE RESILIENT WORLD Prof.V.Swaminathan, HOD/EIE	11
03	BRAIN–COMPUTER INTERFACES Dr.K. SARASWATHI, AP/EIE	13
04	TECHNOLOGY INNOVATIONS IN ELECTRIC VEHICLE CHARGING - Dr. T. Sundar, A.P/EIE	15
05	ALTIMETER Dr. T. Sundar, A.P/EIE	17
06	VELOCIMETRY Dr. T. Sundar, A.P/EIE	18
07	INERTIAL MEASUREMENT UNIT Dr. T. Sundar, A.P/EIE	19
08	LIFE SAVING DOT Dr.T.LAKSHMIBAI, A.P/EIE	21
09	DESIGN THINKING Dr.T.LAKSHMIBAI, A.P/EIE	22
10	ESanjeevani Dr.T.LAKSHMIBAI, A.P/EIE	24
11	LAGRANGE POINTS: PARKING PLACES IN SPACE Dr.T.LAKSHMIBAI, A.P/EIE	26
12	ஆலமரம் -Dr.K.SUGAPRIYA, AP/ EIE	28
13	Water -Dr.K.SUGAPRIYA, AP/ EIE	29

Article no	Title & author	Page no
	INJENIEURSNAVAPRAVASTANA	
14	Health effects of Mobile phone -Dr.K.SUGAPRIYA, AP/ EIE	30
15	Life journey -Dr.K.SUGAPRIYA, AP/ EIE	31
16	DEUS EX MACHINA - THE FUTURE OF COMPUTING- Dr. N.C.A. BOOVARAHAN, AP/EIE	32
17	2040R PREDICTIONS - Dr. N.C.A. BOOVARAHAN, AP/EIE	33
18	Engineering Games - The 12 Best Games for Engineers - Dr. N.C.A. BOOVARAHAN, A.P/EIE	34
19	What is karma - Dr. N.C.A. BOOVARAHAN, A.P/EIE	37

1. **15/01/2024 – Sai Phani Chandra (III Year Mechatronics)** Applied for IRoC-U, A robotic rover competition made a proposal report for that competition and submitted on this date. Results are at 30/01/24.

2. **Students of Mechatronics department** published their articles in the Engineers day Magazine "Injenieurs Navapravastana" given below

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Date :   **Signature of the Head of the Department**