




REPORT ON DEPARTMENTAL ACTIVITIES

(FROM 01-09-2023 TO 17.01.2024)

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	Internet of Things (IOT) Workshop	11.10.2023 & 10 AM	<p>On 11th October 2023, Department of Electronics and Instrumentation Engineering, SCSVMV 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.</p> <p>1. Dr. T.Sundar, A.P/ EIE, (Coordinator) 2.Dr.T.Lakshmibai, HOD/ EIE, (Convenor) of the program</p>  <p>Network time is not synchronized Local-06 Oct 2023 2:10:47 PM GMT+05:30 12° 51' 40.57" N 79° 43' 42.773" E 89 Sri Adi Sankarar Nagar College Road Semathangal Tamil Nadu</p>

			
2	56 th Engineers day Celebration	27.09.2023 & 10.30am	<p>Department of EIE (SCSVMV) celebrated ENGINEERS' DAY 2023 on 27.09.2023. The Coordinator of this program Dr. T. Lakshmibai made all the arrangements for the smooth conduction of the program. She felicitated the Chief guest MsR.Ramyashri Ravindran Implementation Analyst, Disprz – Edutech Indian Startup, Chennai. Guest talk - "From Aspiring to Achieving – Insights for Engineering Students". Prof.V.Swamination Asso. Prof / EIE elaborated the theme of 2023 Engineers day. Students showcase their talents in the program. Convenor: Dr. T.Lakshmibai, HOD/EIE. The Staff Coordinators are: 1. Dr. T.Sundar, AP/EIE 2. Dr. K. Saraswathi, AP/EIE 3. Dr. N.C.A. Boovarahan, AP/EIE The Students Coordinators are: 1. Mr. Sai phani Chandra, III year Mechatronics 2. Mr. Anantha Padmanabban, III year Mechatronics 3. Mr. Hardik Srivasta, II year Mechatronics</p> 



2. *Research Colloquiums details*

S.No.	Date	Name of the scholar	Title

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	Report with Photos

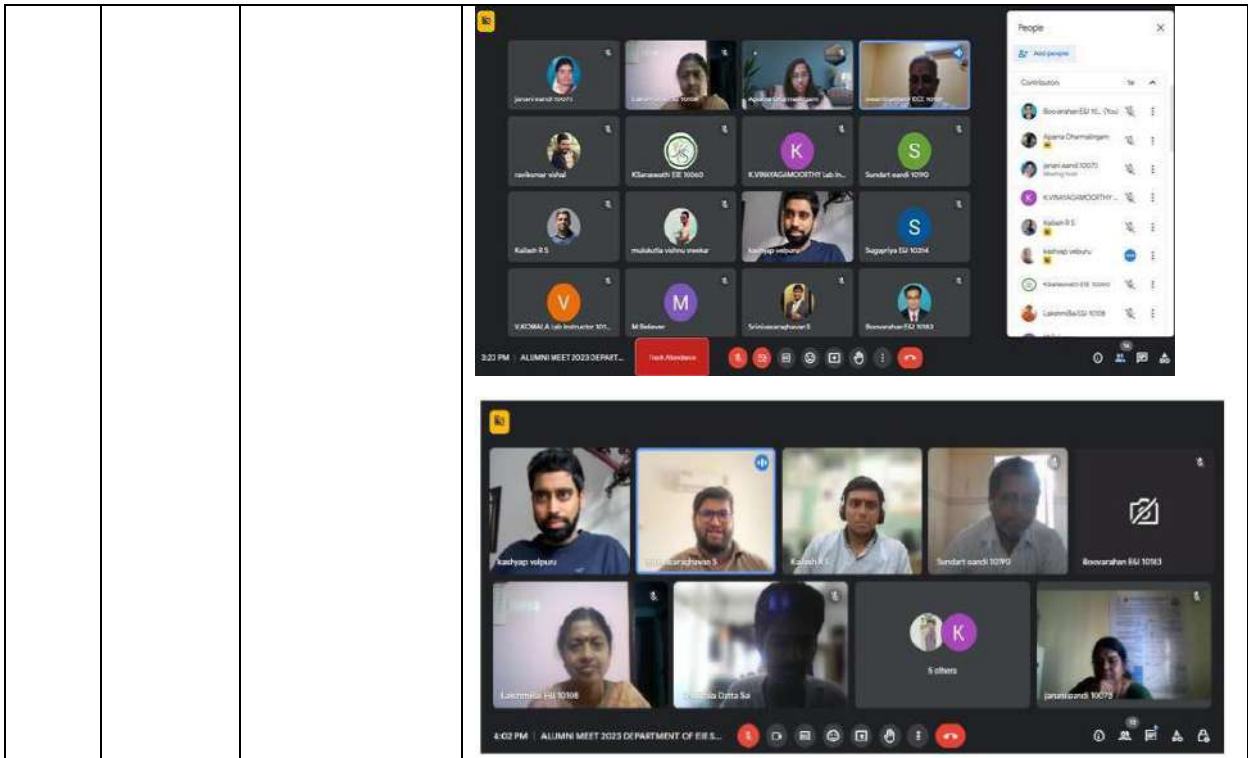
		participated	

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	<p>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. Dr.T.Lakshmibai, HOD/EIE shared notable achievements of the department during the academic year 2022-23 and delivered a brief, insightful talk to our esteemed alumni. Additionally, an overview of the programs offered by our University, including Honors Programmes in various Engineering domain and other value-added programs, was presented. Also, a special talk was given by Invited guest Mr. V.Swaminathan about the features and job opportunities of EIE and Mechatronics Engineering. 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. The Coordinators are Dr. Janani R & Dr. N.C. A. Boovarahan Department of EIE.</p>






10. Details of Association Inaugurated

S.No.	Date	Name of the Association	Report with Photos
	27.09.2023 & 10.30am	Inauguration of SETS (Science Engg. Tech & Space) Club for EIE & Mechatronics Engineering students	<p>SETS (Science Engineering Technology & Space) 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 knowledge on all the fields like science and space technology.</p>

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

S.No.	Date	Name of the Event	Report with Photos
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1	11/12/2023	Viksit Bharat@2047	<p>Department of EIE staff and students actively participated viksit bhara 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 encompasses various aspects of development, including economic growth, social progress, environmental sustainability, and good governance.</p> 
2	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
3	18/10/2023	Yuva Sangam	<p>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.</p> <p>Yuva Sangam is an initiative by the Government of India to strengthen people-to-people connects 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</p> 

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

II. FACULTY ACTIVITIES

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.	Dr.T.Lakshmibai	International – Workshop - Role of Mathematics in Machine Learning	04-09-2023 to 05-09-2023 Dept of Mathematics, SRMIST, Ramapuram, Chennai, India
		National – Maha Quiz - CHANDRAYAAN 3	26-10-2023, ISRO, Andhra Pradesh, India
		National – Workshop on SPSS	Faculty of Education, Dr.M.G.R. Educational And Research Institute, Chennai 01-11-2023 to 03-11-2023
		National – Integrity Pledge	09-11-2023 Central Vigilance Commission, Ministry of Electronics & Information

			Technology, Government of India
		National – Webinar - IP Awareness/ Training Program under National Intellectual Property Awareness Mission	28-11-2023 Intellectual Property Office, India
		National – Workshop - Vedic Mathematics	18-12-2023 To 22-12-2023 Department Of Mathematics, SRMIST, Ramapuram, Chennai – 600089
		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
2	Dr. Janani R	International Conference on Material Processing Using Lasers and Surface Engineering Impulse	14/12/2023 & 15/12/2023 IIT Madras
		National Conference on Communication Image Processing and Computing NCIPC	16/12/2023 Walchand College of Engineering Sangli
3	Dr.K.Saraswathi	International – Workshop - Role of Mathematics In Machine Learning	Department of Mathematics, SRMIST, Ramapuram, Chennai, India 04-09-2023 to 05-09-2023
		National – Mega Quiz - CHANDRAYAAN 3 Maha Quiz	ISRO, Andhra Pradesh, India 26-10-2023
		National – Workshop on SPSS	Faculty of Education, DR.M.G.R. Educational And Research Institute, Chennai 01-11-2023 to 03-11-2023
		National – One Day Net Orientation Program - Paper 1	Arcot Sri Mahalakshmi Womens College Of Engineering, Villapuram, Tamilnadu 03-11-2023
		National – Integrity Pledge	Central Vigilance Commission, Ministry of Electronics & Information

			Technology, Government of India 09-11-2023
		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
		National – Webinar IP Awareness/ Training Program - National Intellectual Property Awareness Mission	Intellectual Property Office, India 28-11-2023
		National – Workshop - Vedic Mathematics	Department of Mathematics, SRMIST, Ramapuram, Chennai – 600089 18-12-2023 to 22-12-2023
		International – Mathematics Week - A Mathematical Tribute To Srinivasa Ramanujan Infinite Insights - Unveiling Mathematical Marvels- Series Of Lectures	Department of Mathematics, SRMIST, Ramapuram, Chennai – 600089 18-12-2023 to 21-12-2023
4	Dr.T.Sundar	International – Workshop - Role of Mathematics In Machine Learning	Department of Mathematics, SRMIST, Ramapuram, Chennai, India 04-09-2023 to 05-09-2023
		National – Mega Quiz - CHANDRAYAAN 3 Maha Quiz	ISRO, Andhra Pradesh, India 26-10-2023
		National – National Level Symposium on Bhartiya Traditional Sports, Yoga And Naturopathy	HVPM- Indian Knowledge Systems (IKS) Center, Amaravathi 30-10-2023 and 31-10-2023
		National – Workshop on SPSS	Faculty Of Education, DR.M.G.R. Educational and Research Institute, Chennai 01-11-2023 to 03-11-2023
		National – One Day Net Orientation Program - Paper 1	Arcot Sri Mahalakshmi Womens College of Engineering, Villapuram,

			Tamilnadu 03-11-2023
		National – Integrity Pledge	Central Vigilance Commission, Ministry of Electronics & Information Technology, Government of India 09-11-2023
		National – One Day Online TNPSC Orientation Program	Arcot Sri Mahalakshmi Womens College of Education, Arcot - Arni Main Road, Vilapakkam - 632521, Arcot Taluk, Ranipet District, Tamilnadu 26-11-2023
		National – Webinar IP Awareness/ Training Program - National Intellectual Property Awareness Mission	Intellectual Property Office, India 28-11-2023
		National – Workshop - Vedic Mathematics	Department of Mathematics, SRMIST, Ramapuram, Chennai – 600089 18-12-2023 to 22-12-2023
		International – Mathematics Week - A Mathematical Tribute to Srinivasa Ramanujan Infinite Insights - Unveiling Mathematical Marvels- Series of Lectures	Department of Mathematics, SRMIST, Ramapuram, Chennai – 600089 18-12-2023 to 21-12-2023
5	Dr. K Sugapriya	International – Workshop - Role of Mathematics in Machine Learning	Department of Mathematics, SRMIST, Ramapuram, Chennai – 600089 04-09-2023 to 05-09-2023
		National – Mega Quiz - CHANDRAYAAN 3 Maha Quiz	ISRO, Andhra Pradesh, India 26-10-2023
		National – Workshop on SPSS	Faculty Of Education, DR.M.G.R. Educational and Research Institute, Chennai 01-11-2023 to 03-11-2023
		National – One Day Net	Arcot Sri Mahalakshmi

		Orientation Program - Paper 1	Womens College of Engineering, Villapuram, Tamilnadu 03-11-2023
		Antenna Design for Next Generation Wireless Communications	School of Electronics Engineering, VIT, 04-12-2023 to 08-12-2023
6	Dr. N C A BOOVARAHAN	International – Workshop - Role of Mathematics In Machine Learning	Department Of Mathematics, SRMIST, Ramapuram, Chennai, India 04-09-2023 to 05-09-2023
		National – Mega Quiz - CHANDRAYAAN 3 Maha Quiz	ISRO, Andhra Pradesh, India 26-10-2023
		National – Workshop On SPSS	Faculty of Education, Dr.M.G.R. Educational And Research Institute, Chennai 01-11-2023 to 03-11-2023
		National – One Day Net Orientation Program - Paper 1	Arcot Sri Mahalakshmi Womens College of Engineering, Villapuram, Tamilnadu 03-11-2023
		National – Integrity Pledge	Central Vigilance Commission, Ministry of Electronics & Information Technology, Government of India 09-11-2023
		National – One Day Online TNPSC Orientation Program	Arcot Sri Mahalakshmi Womens College of Education, Arcot - Arni Main Road, Vilapakkam - 632521, Arcot Taluk, Ranipet District, Tamilnadu 26-11-2023
		International – Mathematics Week - A Mathematical Tribute to Srinivasa Ramanujan Infinite Insights - Unveiling Mathematical Marvels- Series of Lectures	Department Of Mathematics, SRMIST, Ramapuram, Chennai – 600089 18-12-2023 to 21-12-2023
7	Mrs V Komala	National – Mega Quiz -	ISRO, Andhra Pradesh, India

		CHANDRAYAAN 3 Maha Quiz	26-10-2023
		National – Integrity Pledge	Central Vigilance Commission, Ministry of Electronics & Information Technology, Government of India 09-11-2023
		National – Workshop - Vedic Mathematics	Department of Mathematics, SRMIST, Ramapuram, Chennai – 600089 18-12-2023 to 22-12-2023
8	Mr. K.Vinayagamoorthy	National – Mega Quiz - CHANDRAYAAN 3 Maha Quiz	ISRO, Andhra Pradesh, India 26-10-2023
		National – Integrity Pledge	Central Vigilance Commission, Ministry of Electronics & Information Technology, Government of India 09-11-2023

*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.	Dr.T.Lakshmibai	FDP - Empowering Entrepreneurship for Health, Food and Technology Innovation	DST sponsored 3 weeks FDP organized by AMET University, Chennai	28-08-2023 to 15-09-2023
2		National – Two Week Virtual FDP on Entrepreneurship	DST Government of India sponsored FDP Organized By Mannar Thirumalai Naicker College, Pasumalai, Madurai, Tamilnadu, India	22-11-2023 To 05-12- 2023

1	Dr. Janani R	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 Intellectual Property Awareness Mission	NIPAM	28-11-2023
4		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
1.	Dr.K.Saraswathi	National – Two Week Virtual FDP on Entrepreneurship	DST Government of India sponsored FDP Organized By Mannar Thirumalai Naicker College, Pasumalai, Madurai, Tamilnadu, India	22-11-2023 To 05-12-2023
1.	Dr.T.Sundar	National – Two Week Virtual FDP on Entrepreneurship	DST Government of India sponsored FDP Organized By Mannar Thirumalai Naicker College, Pasumalai,	22-11-2023 To 05-12-2023

			Madurai, Tamilnadu, India	
1.	Dr.K.Sugapriya	National – Two Week Virtual FDP on Entrepreneurship	DST Government of India sponsored FDP Organized By Mannar Thirumalai Naicker College, Pasumalai, Madurai, Tamilnadu, India	22-11-2023 To 05-12- 2023
1.	Mrs. V Komala	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

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, Mukta 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
1	19.10.2023	Dr.T.Lakshmibai	Judge for Painting Competition	Navarathri Festival	SCSVMV

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

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11. Details of faculties in Journal Editorial Boards

S. No	Name of the faculty & Designation	Position	Journal Name
1	Dr T Lakshmibai Assistant Professor	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 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 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

12. Other activities by faculties

1. EIE faculties published their articles in the Engineers day Magazine “Injenieurs Navapravastana” given below



INJENIEURSNAPRAVASTANA		
Article no	Title & author	Page no
01	“சொல்லுக்கும் பொருளுக்கும் மூலம் இறையனே” – – தெய்வத்தின் குரலில் இருந்து.....– Dr.T.Lakshmbai, 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, A.P/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	ESanjeevami 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
INJENIEURSNAPRAVASTANA		
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


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	<p>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</p> 
2	28/11/23 Sai Phani 11219H002 Chandra (III Year Mechatronics)	VSSE-ISRO Thiruvananthapuram	<p>Visited many prototypes models of satellites which are launched by ISRO, and solid engines, liquid engines (also vikas engine), cryogenic engines, Space capsule, many rockets like PSLV, GSLV, LVM3 etc and learned the miniature size components and batteries which are used in rockets and rovers.</p> 

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 25 th November Dattasai & team visited ZF Rane Automotive Indian Private Limited company and interacted with people in the company, company people started with company introduction through PPT and explained about hydraulic power steering system and its working principle, finally had a good knowledge about rack, pinion, pump etc
			

3. Details of In-Plant Training

S.No.	Date	Name of the student	Duration	Place / Industry
1	1/1/2024	P Anantha Padmanabban	13 Days	Lucas TVS, Puducherry

4. Details of Internship

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

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

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 automation using esp32(Training)	Guvi/online
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, P Anantha Padmanabban, Dhullipalla Datta Sai, Sri	Workshop on IOT with Hands on Training	Dept of EIE, SCSVMV, Physical mode

		Sai Shravani Voleti, N.Tirumala Hardik Srivatsa, G.Sudhan, V.Raghul, Koushik Bharadwaj V		
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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

- Sai Phani Chandra (III Year Mechatronics) and team** - Applied for ISRO Robotics Challenge – URSC 2024 - IRoC-U, A robotic rover competition, submitted a proposal report with a tagline “Let’s build a space Robot” competition on **15/01/2024** organized by ISRO and Govt of India. Results will be announced on 30/01/2024.
- Students of Mechatronics Engineering** published their articles in the Engineers’ day Magazine “Injenieurs Navapravastana” given below

32	Smartphone Orientation Detection: A Multisensory- P Anantha Padmanabhan,III/Mechatronics	62
33	The Engineering Behind Cricket Ball Swing -P Anantha Padmanabhan,III/Mechatronics	64
34	Engineering Marvels: Paving the Cosmic Path -Ch.Sai Phanichandra,III/Mechatronics	66
35	Ancient Engineering Mavericks: Marvels of Innovation in Ancient INDIA DHULIPALA DATTASAI, III/Mechatronics	68
36	The Ingenious Engineering Behind Modern Cars - Sai Shravani Voleti, III/ Mechatronics	69
37	Role of origami in Mechatronics: Sai Lakshman, IV/ MECHATRONICS	71
38	FASCINATING FACTS ABOUT HUMAN BODY -V. Raghul IV, MECHATRONICS	73
39	“Engineering innovation for a more resilient world” -CHAWALI SRIVAISHNAVI, III/ ECE	74

INJENIEUR.SNAVAPRAVASTANA		
40	Chandrayaan-3 -NT Hardik Sivata, II/Mechatronics	75
41	"Inside the Mind of an Engineer: Exploring Their Thoughts and Innovations" -G.Sudhan, II/Mechatronics	77
42	The Great Visvesvaraya and his life - Betharali Kakaraparthi Naga Sai,II /civil	79
43	Mokshagundam Visvesvaraya - Dr.T.Lakshmbai, A.P/EIE	80
44	Types of Taxes in Kingdom dynasty in south India Dr. C. Kathirvel Babu,AP/ Commerce	81

Date : 20.01.2024

Signature of the Head of the Department