



Estd : 2008

METHODIST

COLLEGE OF ENGINEERING & TECHNOLOGY

Accredited by NAAC with A+ and NBA

Affiliated to Osmania University & Approved by AICTE



ANNUAL REPORT

(Academic Year 2023 - 24)

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**

VISION OF THE INSTITUTION

To produce ethical, socially conscious and innovative professionals who would contribute to sustainable technological development of the society.

MISSION OF THE INSTITUTION

- To impart quality engineering education with latest technological developments and interdisciplinary skills to make students succeed in professional practice.
- To encourage research culture among faculty and students by establishing state of art laboratories and exposing them to modern industrial and organizational practices.
- To inculcate humane qualities like environmental consciousness, leadership, social values, professional ethics and engage in independent and lifelong learning for sustainable contribution to the society.

VISION OF THE DEPARTMENT

To become a reputed centre for imparting quality education in Electrical and Electronics Engineering with human values, ethics and social responsibility.

MISSION OF THE DEPARTMENT

- To impart fundamental knowledge of Electrical, Electronics and Computational Technology.
- To develop professional skills through hands
- on experience aligned to industry needs.
- To undertake research in sunrise areas of Electrical and Electronics Engineering.
- To motivate and facilitate individual and team activities to enhance personality skills.

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- **Departmental Profile**

- ✓ Academic Programs

Program Name	Degree	Duration	Intake	Specialisation
Electrical and Electronics Engineering	B.E.	4 years	60	----

- ✓ Admissions Statistics

Academic Year	Program	Sanctioned Intake	Total Admitted Students	Admission Percentage	Male Students	Female Students
2023-24	B.E, Electrical and Electronics Engineering	60	13	21.66%	09	04
2023-24 (lateral entry students)	B.E, Electrical and Electronics Engineering	6	50	100%	46	4

- ✓ Laboratory Equipment (Hardware/ Software) upgrades

Sl. No.	Major Equipment/ Software with specifications	Cost of Equipment/ Software	Quantity	Total cost including GST
1	3- ϕ Auto transformer	28,000.00	01	33,040.00
2	3- ϕ Resistive Load	20,000.00	01	23,600.00
3	1- ϕ Auto transformer	10,000.00 (Each)	02	23,600.00
4	Displacement Measurement Using LVDT. (Trainer Kit)	12,400.00	01	14,632.00
5	Measurement of R, L, C & Q at 1KHz and 100 KHz frequency of supply by using LCR meter. (LCR Meter)	10,000.00	01	11,800.00

- **Academic Highlights:**

- **Faculty and Staff**

- ✓ **Faculty Achievements and Awards**

Faculty Name	Achievement / Award	Description	Date	Awarding Body/ Institution	Remarks
Dr. Y. Mastanamma, Dr. Bhukya Laxman, A. Archana, K. Pulla Reddy	Best Paper award	EV BMS With Charge Monitor and Fire Detection	22-23 December	CVR College of Engineering	
Dr. Y. Mastanamma	Outstanding Women Researcher in Wind Energy	Electrical Engineering Discipline at Chennai	2-3-2024	Venus International Foundation in 9th Women awards –VIWA 2024	
Dr. Y. Mastanamma	Leading Educationalist of India Award			Friendship Forum of India, New Delhi	

- ✓ **Professional Development Activities Organised**

- Conferences
- FDPs
- Workshops
- Seminars/ Webinars

Activity Name	Organiser	Description	Date	Venue	Target Audience	Remarks
Seminar	IEEE Sensors Council Student Branch, Methodist College of Engineering and Technology	Seminar on “ Application of Sensors in Missile and Launch Vehicles: Future Trends”	29th June 2024	Seminar Hall, D-Block, Method	200	-
Workshop	Department of EEE, Methodist College of Engineering and Technology	Two Days Workshop on “ Design of Solar Photovoltaic Systems”	15 & 16th Apr, 2024	Room No 210, C Block	85	-

Activity Name	Organiser	Description	Date	Venue	Target Audience	Remarks
Seminar	Department of EEE, Methodist College of Engineering and Technology	Seminar on “Electric Vehicles for E-Mobility”	15th Dec, 2023	Seminar Hall, D-Block, Method	70	-
Workshop	IEEE Student Branch MCET & Department of EEE, Methodist College of Engineering and Technology	Three Days Workshop on “ IOT Using Raspberry PI”	23rd - 25th Nov, 2023	Room No 211, C Block	54	-
Seminar	IEEE Student Branch MCET & Department of EEE, Methodist College of Engineering and Technology	Seminar on “ Career Guidance Program”	10th Nov 2023	Room No 212	41	-

✓ Professional Development Activities (Registered/ Attended / Passed)

- Conferences
- Self-Study Courses (SWAYAM/ NPTEL/ COURSERA ETC)
- FDPs
- Workshops
- Seminars/ Webinars
- Orientation Courses
- Refresher Courses
- Certification Courses

Faculty Name	Activity Name	Organiser	Description	Date	Venue	Remarks
Dr Y Mastanamma	NPTEL	IIT (Roorkee)	Smart Grid : Basics to advanced technologies	Jan-Apr 2024	IIT (Roorkee)	-
Dr Prabhu G Benkop	Workshop	Institute for Academic Excellence (IAE), Hyderabad	5th National Level Workshop on NIRF India Rankings 2024	13th & 14th December, 2023	Institute for Academic Excellence (IAE), Hyderabad	
Dr Prabhu G Benkop	Workshop	Collegiate Education & Technical Education Department, Govt. of Telangana	3rd National Level Workshop - Transformation through NAAC Accreditation Process	30th & 31st October 2023	Collegiate Education & Technical Education Department, Govt. of Telangana	

Faculty Name	Activity Name	Organiser	Description	Date	Venue	Remarks
Dr Y Mastanamma	Workshop	Collegiate Education & Technical Education Department, Govt. of Telangana	3rd National Level Workshop - Transformation through NAAC Accreditation Process	30th & 31st October 2023	Collegiate Education & Technical Education Department, Govt. of Telangana	
Dr Bhukya Laxman	Workshop	Collegiate Education & Technical Education Department, Govt. of Telangana	3rd National Level Workshop - Transformation through NAAC Accreditation Process	30th & 31st October 2023	Collegiate Education & Technical Education Department, Govt. of Telangana	
G Mohan Krishna	Workshop	Collegiate Education & Technical Education Department, Govt. of Telangana	3rd National Level Workshop - Transformation through NAAC Accreditation Process	30th & 31st October 2023	Collegiate Education & Technical Education Department, Govt. of Telangana	
J Ramesh Babu	Workshop	Collegiate Education & Technical Education Department, Govt. of Telangana	3rd National Level Workshop - Transformation through NAAC Accreditation Process	30th & 31st October 2023	Collegiate Education & Technical Education Department, Govt. of Telangana	

Faculty Name	Activity Name	Organiser	Description	Date	Venue	Remarks
N Nireekshana	Workshop	Collegiate Education & Technical Education Department, Govt. of Telangana	3rd National Level Workshop - Transformation through NAAC Accreditation Process	30th & 31st October 2023	Collegiate Education & Technical Education Department, Govt. of Telangana	
N Nireekshana	Workshop Dept of EEE	Crescent Institute of Science and Technology	International webinar on current status and future prospects of GaN-HEMTs	27 march 2024	Crescent Institute of Science and Technology Dept of EEE	
N Nireekshana	FDP	SR UNIVERSITY Dept of EEE	FDP on sustainable power generation and advanced electrical systems: new horizons	from 03/07/2023 30 hours	SR UNIVERSITY Dept of EEE	
N Nireekshana	FDP	mahatma gandhi institute of technology Dept of EEE	FDP on Aiming towards 3Ds in electrical engineering	11/03/2024 to 15/03/2024 one week	mahatma gandhi institute of technology Dept of EEE	

Faculty Name	Activity Name	Organiser	Description	Date	Venue	Remarks
N Nireekshana	FDP	CVR college of engineering	FDP on AI and ML Applications to EVs and electrical engineering	11 march 2024 to 16 march 2024 one week	CVR college of engineering Dept of EEE	
A Archana	Workshop	Collegiate Education & Technical Education Department, Govt. of Telangana	3rd National Level Workshop - Transformation through NAAC Accreditation Process	30th & 31st October 2023	Collegiate Education & Technical Education Department, Govt. of Telangana	
E Saidulu	Workshop	Collegiate Education & Technical Education Department, Govt. of Telangana	3rd National Level Workshop - Transformation through NAAC Accreditation Process	30th & 31st October 2023	Collegiate Education & Technical Education Department, Govt. of Telangana	
K Pulla Reddy	Workshop	Collegiate Education & Technical Education Department, Govt. of Telangana	3rd National Level Workshop - Transformation through NAAC Accreditation Process	30th & 31st October 2023	Collegiate Education & Technical Education Department, Govt. of Telangana	

Faculty Name	Activity Name	Organiser	Description	Date	Venue	Remarks
P Rajnikanth	Workshop	Collegiate Education & Technical Education Department, Govt. of Telangana	3rd National Level Workshop - Transformation through NAAC Accreditation Process	30th & 31st October 2023	Collegiate Education & Technical Education Department, Govt. of Telangana	
V Saketha	Workshop	Collegiate Education & Technical Education Department, Govt. of Telangana	3rd National Level Workshop - Transformation through NAAC Accreditation Process	30th & 31st October 2023	Collegiate Education & Technical Education Department, Govt. of Telangana	
Dr Bhukya Laxman	ATAL FDP	METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY	CONVENTIONAL VEHICLES SUSTAINABILITY AND FUTURE OF ELECTRIC VEHICLES	30 th October to 4 th November 2023	METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY	

Faculty Name	Activity Name	Organiser	Description	Date	Venue	Remarks
Dr Y Mastanamma	ATAL FDP	METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY	CONVENTIONAL VEHICLES SUSTAINABILITY AND FUTURE OF ELECTRICAL VEHICLES	30 th October to 4 th November 2023	METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY	
P Rajinikanth	ATAL FDP	METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY	CONVENTIONAL VEHICLES SUSTAINABILITY AND FUTURE OF ELECTRICAL VEHICLES	30 th October to 4 th November 2023	METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY	
K Pulla Reddy	ATAL FDP	METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY	CONVENTIONAL VEHICLES SUSTAINABILITY AND FUTURE OF ELECTRICAL VEHICLES	30 th October to 4 th November 2023	METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY	

Faculty Name	Activity Name	Organiser	Description	Date	Venue	Remarks
J Ramesh Babu	ATAL FDP	METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY	CONVENTIONAL VEHICLES SUSTAINABILITY AND FUTURE OF ELECTRICAL VEHICLES	30 th October to 4 th November 2023	METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY	
N Nireekshan	ATAL FDP	METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY	CONVENTIONAL VEHICLES SUSTAINABILITY AND FUTURE OF ELECTRICAL VEHICLES	30 th October to 4 th November 2023	METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY	
V Saketha	ATAL FDP	METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY	CONVENTIONAL VEHICLES SUSTAINABILITY AND FUTURE OF ELECTRICAL VEHICLES	30 th October to 4 th November 2023	METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY	

Faculty Name	Activity Name	Organiser	Description	Date	Venue	Remarks
Dr Y Mastanamma	Workshop	Institute for Academic Excellence (IAE), Hyderabad	5th National Level Workshop on NIRF India Rankings 2024	13th & 14th December, 2023	Institute for Academic Excellence (IAE), Hyderabad	
Dr Bhukya Laxman	Workshop	Institute for Academic Excellence (IAE), Hyderabad	5th National Level Workshop on NIRF India Rankings 2024	13th & 14th December, 2023	Institute for Academic Excellence (IAE), Hyderabad	
G Mohan Krishna	Workshop	Institute for Academic Excellence (IAE), Hyderabad	5th National Level Workshop on NIRF India Rankings 2024	13th & 14th December, 2023	Institute for Academic Excellence (IAE), Hyderabad	
J Ramesh Babu	Workshop	Institute for Academic Excellence (IAE), Hyderabad	5th National Level Workshop on NIRF India Rankings 2024	13th & 14th December, 2023	Institute for Academic Excellence (IAE), Hyderabad	

Faculty Name	Activity Name	Organiser	Description	Date	Venue	Remarks
N Nireekshana	Workshop	Institute for Academic Excellence (IAE), Hyderabad	5th National Level Workshop on NIRF India Rankings 2024	13th & 14th December, 2023	Institute for Academic Excellence (IAE), Hyderabad	
A Archana	Workshop	Institute for Academic Excellence (IAE), Hyderabad	5th National Level Workshop on NIRF India Rankings 2024	13th & 14th December, 2023	Institute for Academic Excellence (IAE), Hyderabad	
E Saidulu	Workshop	Institute for Academic Excellence (IAE), Hyderabad	5th National Level Workshop on NIRF India Rankings 2024	13th & 14th December, 2023	Institute for Academic Excellence (IAE), Hyderabad	
K Pulla Reddy	Workshop	Institute for Academic Excellence (IAE), Hyderabad	5th National Level Workshop on NIRF India Rankings 2024	13th & 14th December, 2023	Institute for Academic Excellence (IAE), Hyderabad	

Faculty Name	Activity Name	Organiser	Description	Date	Venue	Remarks
P Rajinikant h	Workshop	Institute for Academic Excellence (IAE), Hyderabad	5th National Level Workshop on NIRF India Rankings 2024	13th & 14th December, 2023	Institute for Academic Excellence (IAE), Hyderabad	
V Saketha	Workshop	Institute for Academic Excellence (IAE), Hyderabad	5th National Level Workshop on NIRF India Rankings 2024	13th & 14th December, 2023	Institute for Academic Excellence (IAE), Hyderabad	
Dr Y Mastanamma	FDP	Methodist College of Engineering and Technology, Hyderabad	Teaching to innovation: Enhancing Research Capabilities in Engineering Faculty	4 th & 5 th September, 2023	Methodist College of Engineering and Technology, Hyderabad	
Dr Bhukya Laxman	FDP	Methodist College of Engineering and Technology, Hyderabad	Teaching to innovation: Enhancing Research Capabilities in Engineering Faculty	4 th & 5 th September, 2023	Methodist College of Engineering and Technology, Hyderabad	

Faculty Name	Activity Name	Organiser	Description	Date	Venue	Remarks
G Mohan Krishna	FDP	Methodist College of Engineering and Technology, Hyderabad	Teaching to innovation: Enhancing Research Capabilities in Engineering Faculty	4 th & 5 th September, 2023	Methodist College of Engineering and Technology, Hyderabad	
A Archana	FDP	Methodist College of Engineering and Technology, Hyderabad	Teaching to innovation: Enhancing Research Capabilities in Engineering Faculty	4 th & 5 th September, 2023	Methodist College of Engineering and Technology, Hyderabad	
K Pulla Reddy	FDP	Methodist College of Engineering and Technology, Hyderabad	Teaching to innovation: Enhancing Research Capabilities in Engineering Faculty	4 th & 5 th September, 2023	Methodist College of Engineering and Technology, Hyderabad	
P Rajinikanth	FDP	Methodist College of Engineering and Technology, Hyderabad	Teaching to innovation: Enhancing Research Capabilities in Engineering Faculty	4 th & 5 th September, 2023	Methodist College of Engineering and Technology, Hyderabad	

Faculty Name	Activity Name	Organiser	Description	Date	Venue	Remarks
V Saketha	FDP	Methodist College of Engineering and Technology, Hyderabad	Teaching to innovation: Enhancing Research Capabilities in Engineering Faculty	4 th & 5 th September, 2023	Methodist College of Engineering and Technology, Hyderabad	
V.Saketha	Workshop	Methodist College of Engineering and Technology, Hyderabad	Design of solar photovoltaic systems	15 &16 April 2024	Methodist College of Engineering and Technology, Hyderabad	
Dr B Laxman	Workshop	Methodist College of Engineering and Technology, Hyderabad	Design of solar photovoltaic systems	15 &16 April 2024	Methodist College of Engineering and Technology, Hyderabad	
Dr Mahmud Mustafa	Workshop	Methodist College of Engineering and Technology, Hyderabad	Design of solar photovoltaic systems	15 &16 April 2024	Methodist College of Engineering and Technology, Hyderabad	
G Mohan Krishna	Workshop	Methodist College of Engineering and Technology, Hyderabad	Design of solar photovoltaic systems	15 &16 April 2024	Methodist College of Engineering and Technology, Hyderabad	

Faculty Name	Activity Name	Organiser	Description	Date	Venue	Remarks
J Ramesh Babu	Workshop	Methodist College of Engineering and Technology, Hyderabad	Design of solar photovoltaic systems	15 &16 April 2024	Methodist College of Engineering and Technology, Hyderabad	
P Rajinikant h	Workshop	Methodist College of Engineering and Technology, Hyderabad	Design of solar photovoltaic systems	15 &16 April 2024	Methodist College of Engineering and Technology, Hyderabad	
N Nireekshan	Workshop	Methodist College of Engineering and Technology, Hyderabad	Design of solar photovoltaic systems	15 &16 April 2024	Methodist College of Engineering and Technology, Hyderabad	
A Archana	Workshop	Methodist College of Engineering and Technology, Hyderabad	Design of solar photovoltaic systems	15 &16 April 2024	Methodist College of Engineering and Technology, Hyderabad	
E Saidulu	Workshop	Methodist College of Engineering and Technology, Hyderabad	Design of solar photovoltaic systems	15 &16 April 2024	Methodist College of Engineering and Technology, Hyderabad	

Faculty Name	Activity Name	Organiser	Description	Date	Venue	Remarks
Dr. Y Mastanamma	FDP	NPTEL	Smart Grid: Basics to Advanced Technologies	Jan to April 2024	NPTEL	
Rajini Kanth P	FDP	D Y Patil College of Engineering , Pune	One Week FDP on GENERATIVE AI	4th March to 9th March 2024	D Y Patil College of Engineering, Pune	
Rajini Kanth P	FDP	Geethanjali College of Engineering and Technology	Five Day FDP on "Emobility and its challenges for sustainability"	2nd April to 6th April 2024	Geethanjali College of Engineering and Technology	
Dr B Laxman	FDP	Geethanjali College of Engineering and Technology	Five Day FDP on "Emobility and its challenges for sustainability"	2nd April to 6th April 2024	Geethanjali College of Engineering and Technology	
Rajini Kanth P	FDP	DELLSOFT Technologies Pvt. Ltd. New Delhi	FDP on Microgrid System Design & Simulation using HOMER Pro & HOMER Grid Software.	24-07-2024	DELLSOFT Technologies Pvt. Ltd. New Delhi	

Faculty Name	Activity Name	Organiser	Description	Date	Venue	Remarks
E SAIDULU	FDP	Vidya Jyothi Institute of Technology.	Faculty Development Program on Recent Advances in the Power Sector Challenges, Solutions and Opportunities.	31st July to 5th August 2023	Vidya Jyothi Institute of Technology.	
Dr B Laxman	Workshop	Institute for Academic Excellences (IAE).	Strategies to strengthen the Institutional Capacities for Quality, Ranking, and Accreditation	4th & 5th April, 2024	Institute for Academic Excellences (IAE).	
Dr Y Mastanamma	Workshop	Institute for Academic Excellences (IAE).	Strategies to strengthen the Institutional Capacities for Quality, Ranking, and Accreditation	4th & 5th April, 2024	Institute for Academic Excellences (IAE).	

Faculty Name	Activity Name	Organiser	Description	Date	Venue	Remarks
G Mohan Krishna	Training	Anurag University, Hyderabad	Modelling and Design of Renewable Energy Systems using MATLAB/ SIMULIN K	1/7/2024 to 13/7/2024	Anurag University, Hyderabad	
V Saketha	FDP	Universal Engineering College, Guntur	Generative AI	22-7- 2024 to 26-7- 2024	Universal Engineerin g College, Guntur	

✓ Professional Memberships

Membershi p ID	Professional Organisatio n	Membershi p Type	Membership Duration	Member Since	Status
LM-59329	ISTE	Life member	Life member		
278579	IAENG	Life member	Life member		
M-504356	IETE	Life member	Life member		
PM45027893	IFERP	Professional Member	Professional Member		
334025 Life Member	IAENG	Life member	Life member		
138232	ISTE	Life member	Life member		
278574	IAENG	Life member	Life member		
PM81426357	IFERP	Life member	Life member		
138231	ISTE	Life member	Life member		
ID:146016	IAENG	Life member	Life member		
LM138224	ISTE	Life member	Life member		
93769316	IEEE	Professional Member	Professional Member		
138225	ISTE	Life member	Life member		
291421	IAENG	Life member	Life member		
291415	IAENG	Life member	Life member		
APE/00162/1 6	ECI				
334004	IAENG	Life member	Life member		
138230	ISTE	Life member	Life member		
278575	IAENG	Life member	Life member		
138228	ISTE	Life member	Life member		

Membership ID	Professional Organisation	Membership Type	Membership Duration	Member Since	Status
LM119422	ISTE	Life member	Life member		
334002	IAENG	Life member	Life member		
138226	ISTE	Life member	Life member		

✓ Ph.D. Guided / Guiding

Ph.D. Student Name	Thesis Title	Year of Enrolment	Year of Completion	Current Status	Co-Supervisor(s)	Publications
Ghule Arjun Bali	Analysis of factors responsible for degradation of automatic speech recognition performance over packet crasure network	2011	ongoing	ongoing	Dr.Prabhu G Benakop	
D Sailaja	Wireless sensor networks	2011	ongoing	ongoing	Dr.Prabhu G Benakop	
T.Venkata Suresh kumar	Routing in mobile Ad-hoc networks	2011	ongoing	ongoing	Dr.Prabhu G Benakop	
B.Sathish	Design in the power limited scaling regime for digital circuits	2012	2023	awarded	Dr.Prabhu G Benakop	

Ph.D. Student Name	Thesis Title	Year of Enrolment	Year of Completion	Current Status	Co-Supervisor(s)	Publications
K Sukanya	A mesochronous pipelining scheme for high performance digital systems on the interplay of parallelization, program performance, and energy consumption	2012	ongoing	ongoing	Dr.Prabhu G Benakop	
Chandrasekhar Kandagatla	VLSI Design and implementation of low power Transceiver	2010	2023	awarded	Dr.Prabhu G Benakop	
Shahida Begum Mohammed	Performance Analysis of Multistage Fault Tolerant Adaptive Filter as Compared to non-Fault Tolerant Adaptive Filter for Noisy ECG signals	2012		ongoing	Dr Prabhu G Benakop	

- **Students**

✓ Academic Achievements (Gold Medals/ Ranks/ Toppers)

Roll No.	Semester	Student Name	Achievement	Description	Date
16071973 4315	2019-23 Batch	MARUPA KALA ANIL GOUD	University VIII Rank	Secured University VIII Rank for B.E in Electrical and Electronics Engineering (Batch 2019-2020 to 2022- 2023) with 82.9%	
1607227340 07	III	YOUSUF JAVEED HUSSAIN	Topper	Secured 9.55cgpa in III sem (B.E in Electrical and Electronics Engineering)	
1607217343 10	V	SINGANI ARAVIN D	Topper	Secured 9.30cgpa in V sem (B.E in Electrical and Electronics Engineering)	
1607207340 08	VII	ONTERU DIVYA	Topper	Secured 7.96cgpa in VII sem (B.E in Electrical and Electronics Engineering)	
1607207343 15	VII	KATAKAM NANDHA KUMAR REDDY	Topper	Secured 7.96cgpa in VII sem (B.E in Electrical and Electronics Engineering)	

✓ Student Academic Performance

Academic Year	Semester	Total Strength	No. of Students passed	Pass percentage
2023-24	III	61	18	32.14
2023-24	V	46	26	56.52
2023-24	VII	35	12	34.28

S.NO	SEMESTER	Name of the student	Name of the event	Venue	Date	Award
1	V SEM	SRI RAMANA JOSHI	A IEEE BASED SEMINOR ON TECHNICALITIES AND OPPORTUNITIES IN SPACE SECTOR	Geethanjali college of engg & technology, Hyd	11-DEC-2023	Participation
2	V SEM	MUKTA TEJASWI	A IEEE BASED SEMINOR ON TECHNICALITIES AND OPPORTUNITIES IN SPACE SECTOR	Geethanjali college of engg & technology, Hyd	11-DEC-2023	Participation
3	V SEM	DHARAVATH ELISHA	A IEEE BASED WORKSHOP ON INTEGRATING AI & ENGINEERED SYSTEMS	MATHWORKS AT NDICON-2023, HYD	14-17 DEC 2023	Participation
4	V SEM	M SRIDHAR	A IEEE BASED WORKSHOP ON INTEGRATING AI & ENGINEERED SYSTEMS	MATHWORKS AT NDICON-2023, HYD	14-17 DEC 2023	Participation
5	V SEM	N JAGADESSWARA REDDY	A IEEE BASED WORKSHOP ON INTEGRATING AI & ENGINEERED SYSTEMS	MATHWORKS AT NDICON-2023, HYD	14-17 DEC 2023	Participation
6	V SEM	B. GOUTHAM	A IEEE BASED WORKSHOP ON INTEGRATING AI & ENGINEERED SYSTEMS	MATHWORKS AT NDICON-2023, HYD	14-17 DEC 2023	Participation
7	V SEM	SREEDHAR	A IEEE BASED WORKSHOP ON INTEGRATING AI & ENGINEERED SYSTEMS	MATHWORKS AT NDICON-2023, HYD	14-17 DEC 2023	Participation
8	V SEM	A SHIVA	A IEEE BASED WORKSHOP ON INTEGRATING AI & ENGINEERED SYSTEMS	MATHWORKS AT NDICON-2023, HYD	14-17 DEC 2023	Participation
9	V SEM	MD MUJTABA FURKHAN ALI	A IEEE BASED WORKSHOP ON INTEGRATING AI & ENGINEERED SYSTEMS	MATHWORKS AT NDICON-2023, HYD	14-17 DEC 2023	Participation
10	V SEM	C MUKTA TEJASWI	A IEEE BASED WORKSHOP ON INTEGRATING AI & ENGINEERED SYSTEMS	MATHWORKS AT NDICON-2023, HYD	14-17 DEC 2023	Participation
11	V SEM	V SHASHIKANTH	A IEEE BASED WORKSHOP ON INTEGRATING AI & ENGINEERED SYSTEMS	MATHWORKS AT NDICON-2023, HYD	14-17 DEC 2023	Participation
12	V SEM	MD DANISH	A IEEE BASED WORKSHOP ON INTEGRATING AI & ENGINEERED SYSTEMS	MATHWORKS AT NDICON-2023, HYD	14-17 DEC 2023	Participation
13	V SEM	K JAIDEV	A IEEE BASED WORKSHOP ON INTEGRATING AI & ENGINEERED SYSTEMS	MATHWORKS AT NDICON-2023, HYD	14-17 DEC 2023	Participation
14	V SEM	K AMULYA	A IEEE BASED WORKSHOP ON INTEGRATING AI & ENGINEERED SYSTEMS	MATHWORKS AT NDICON-2023, HYD	14-17 DEC 2023	Participation
15	V SEM	D ELISHA	A IEEE BASED WORKSHOP ON INTEGRATING AI & ENGINEERED SYSTEMS	MATHWORKS AT NDICON-2023, HYD	14-17 DEC 2023	Participation
16	VI SEM	SRI RAMANA JOSHI	ICAN 2.0-2 DAY WORKSHOP	BITS PILLANI	31 ST MAR & 1 ST APRIL-2024	Participation
17	VI SEM	MD MUJTABA FURKHAN ALI	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT -WORKING MODEL	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	Participation
18	VI SEM	ASHWINI OMPRAKASH	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT -WORKING MODEL	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	Participation

19	VI SEM	A SHIVA	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT -WORKING MODEL	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	Participation
20	VI SEM	M SRIDHAR	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT -WORKING MODEL	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	Participation
21	VI SEM	K JAIDEV	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT -WORKING MODEL	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	Participation
22	VI SEM	D ELISHA	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT -WORKING MODEL	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	Participation
23	VI SEM	B GOUTHAM	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT -WORKING MODEL	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	Participation
24	VI SEM	N JAGADESSWARA REDDY	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT -WORKING MODEL	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	Participation
25	VI SEM	SRI RAMANA JOSHI	ICASSP-2025(IEEE CONFERENCE)	SATELLITE EVENT SERIES	2 ND APRIL 2024	Participation
26	VI SEM	MD MUJTABA FURKHAN ALI	FRESHMEN ENGINEERING-PAPER PRESENTATION	ST MARTIN'S ENGINEERING COLLEGE	19 TH & 20 TH JUNE 2024	Participation
27	VI SEM	MUDAVATH SRIDHAR	FRESHMEN ENGINEERING-PAPER PRESENTATION	ST MARTIN'S ENGINEERING COLLEGE	19 TH & 20 TH JUNE 2024	Participation
28	VI SEM	A SHIVA	FRESHMEN ENGINEERING-PAPER PRESENTATION	ST MARTIN'S ENGINEERING COLLEGE	19 TH & 20 TH JUNE 2024	Participation
29	VI SEM	ASHWINI OMPRAKASH	FRESHMEN ENGINEERING-PAPER PRESENTATION	ST MARTIN'S ENGINEERING COLLEGE	19 TH & 20 TH JUNE 2024	Participation
30	IV SEM	SADIYA SHIRAZ	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT -PAPER PRESENTATION	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	Participation
31	IV SEM	KARISHMA NAAZ	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT -PAPER PRESENTATION	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	Participation
32	IV SEM	P ANUSHA	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT -PAPER PRESENTATION	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	Participation

✓ Sports Activities Participated

Roll. No.	Semester	Student Name	Activity	Description	Date	Venue	Remarks Participated/ Won)
16072 27340 03	IV	Sadiya shiraz	Table tennis	I Position	15/06 /2024	MCET	DECATHLON
16072 27340 03	IV	Sadiya shiraz	TEN NIKO IT	II Position	15/06 /2024	MCET	DECATHLON
16072 27340 07	IV	Yousuf	Carro ms	I Position	15/03/ 24	MCET	DECATHLON
16072 27340 03	IV	Sadiya shiraz	Throw ball	II Position	15/06 /2024	MCET	DECATHLON

✓ Awards and Honors Won

Roll. No.	Semester	Student Name	Award	Description	Date	Awarding Body	Remarks
16072273 4003	IV	Sadiya shiraz	Table tennis	I Position	15/06/20 24	MCET	DECATHL ON
16072273 4003	IV	Sadiya shiraz	TENNIK OIT	II Position	15/06/20 24	MCET	DECATHL ON
16072273 4007	IV	Yousuf	Carroms	I Position	15/03/24	MCET	DECATHL ON
16072273 4003	IV	Sadiya shiraz	Throw ball	I Position	15/06/20 24	MCET	DECATHL ON

✓ Awards and Honors Won

S.NO	SEMESTER	Name of the student	Name of the event	Venue	Date	Award
1	VI SEM	K JAIDEV	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT -WORKING MODEL	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	II PRIZE
2	VI SEM	D ELISHA	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT -WORKING MODEL	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	II PRIZE
3	VI SEM	B GOUTHAM	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT -WORKING MODEL	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	II PRIZE

4	VI SEM	N JAGADESSWARA REDDY	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT -WORKING MODEL	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	II PRIZE
5	IV SEM	KARISHMA NAAZ	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT -PAPER PRESENTATION	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	III PRIZE
6	IV SEM	P ANUSHA	JIJNASA-2024 A NATIONAL LEVEL TECHNICAL EVENT - PAPER PRESENTATION	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN	1 ST & 2 ND APRIL 2024	III PRIZE

✓ Student club and organization achievements

Club/ Organisation	Achievement	Description/ID	Date	Remarks
IEEE 2023-24	Membership	Application of sensors in missile and launch vehicles: Future trends	29 th June 2024	94 students participated

✓ Cultural Activities

Event Name	Description	Date	Venue	Remarks
Freshers day	Its is celebrated to build a relation between juniors and seniors	14/10/2023	MCET	All the students are very happy to and involved in all the activities conducted
Bathak amma day	It is celebrated on the occasion of Dussera festival to impart tradition and culture of festivals in the students	20/10/2023	MCET	Students participated actively in the event
Traditional day	It is celebrated to show all the traditions in India and different kinds of culture in various parts of India , so that students will have the knowledge of our Indian culture and Tradition	12/01/2024	MCET	students participated in the event representing culture and tradition of various parts of India

✓ Parent- Teacher Meeting

Meeting Date	Description	Venue	Remarks
03-05-2024	Parent Teacher meeting is Conducted for IV sem and VI semester students	EEE Department staff room, C- Block	-

● Research and Development

✓ Research Projects and Grants

Project Title	Principal Investigator	Funding Agency	Grant Amount	Start Date	End Date	Remarks
Nil	Nil	Nil	Nil	Nil	Nil	Nil

✓ Publications in Journals

Title of Paper	Author(s)	Journal Name	Volume	Issue	Page Numbers	Publication Date	Impact Factor	Remarks
Different prospective of deep learning medical image diagnosing	Dr Mahmad Mustafa	African Journal of Biological Sciences	6	13	2170-2191	2-07-2024	1.08	
Application of a lateral misalignments detection mechanism for roadways powered electric vehicle	G Mohan Krishna	Journal of electrical engineering & technology	19	4	3539-3550	March 2024	1.6	

Title of Paper	Author(s)	Journal Name	Volume	Issue	Page Numbers	Publication Date	Impact Factor	Remarks
Performance of modular multilevel converter in electric vehicle charging station	Dr Mahmad Mustafa	Journal of electrical systems	20	2	1609-1616	13-04-2024	1	
Design and Control of a Tricycle with a hybrid Electric motor cooling system powered by solar photo voltaics	J Ramesh Babu	International Journal of Electrical and Electronics Research (IJEER)	11	2	465-472	30-06-2023	3.7	

Title of Paper	Author(s)	Journal Name	Volume	Issue	Page Numbers	Publication Date	Impact Factor	Remarks
Development and Application of an Energy Management System for Electric Vehicles Integrated with Multi-input DC DC Bidirectional Buck-Boost Converter	J Ramesh Babu	International Journal of Electrical and Electronics Research (IJEER)	11	2	457-464	30-06-2023	3.7	
power quality improving using FCL and DVR	N.Nireekshan	IJISRT International Journal of Innovative Science and Research Technology	9	5	624-631	MAY 2024 2456-2165	sjif 8.22 crossref 10.3	

Title of Paper	Author(s)	Journal Name	Volume	Issue	Page Numbers	Publication Date	Impact Factor	Remarks
Analysing the Performance of Distributed Generation System Based on Renewable Energy through ANN-Tuned UPQC	N.Nireekshan	IJISRT International Journal of Innovative Science and Research Technology	9	5	687-698	MAY 2024 2456-2165	sjif 8.22 crossref 10.3	
An Innovative SSSC Device for Power Quality Enhancement	N.Nireekshan	IJISRT International Journal of Innovative Science and Research Technology	9	1	2321-2326	JANUARY Y-2024 2456-216	sjif 8.22 crossref 10.3	
Static VAR compensator for reactive power control	N.Nireekshan	IJISRT	9	2	27 to	feb 2024	sjif 8.22 crossref 10.3	

Title of Paper	Author(s)	Journal Name	Volume	Issue	Page Numbers	Publication Date	Impact Factor	Remarks
Unique Facts Device for Power Quality Mitigation	N.Nireekshan	IJISRT International Journal of Innovative Science and Research Technology	9	2	145 to 148	feb 2024	sjif 8.22 crossref 10.3	
Solar Powered Multipurpose Agriculture Robot	N.Nireekshan	IJISRT International Journal of Innovative Science and Research Technology	8	5	299-306	may 2023	sjif 8.22 crossref 10.3	
Power Quality Improvement by Thyristor Controlled Series Capacitor	N.Nireekshan	IJISRT International Journal of Innovative Science and Research Technology	9	2	423-427	feb 2024 ISSN No:- 2456-2165	sjif 8.22 crossref 10.3	

Title of Paper	Author(s)	Journal Name	Volume	Issue	Page Numbers	Publication Date	Impact Factor	Remarks
A Modern Distribution Power Flow Controller With A PID-Fuzzy Approach : Improves The Power Quality	N.Nireekshana	IJEER	12	1	167-171	15 MARCH 2024 2347-470X	3.7	

✓ Publications in Proceedings of Conferences

Title of Paper	Author(s)	Conference Name	Location	Date	Remarks
Fractional Order High Pass Filter Based Extremum Seeking Control for Grid Connected PV System	Dr B Laxman	Lecture Notes in Electrical Engineering	Springer Nature singapore	June 2023	Book chapter
Novel Intelligence ANFIS Technique for TwoArea Hybrid Power System's Load Frequency Regulation	N.Nireekshana	ICREGCSD 2023	E3S Web of Conferences 472, 02005 (2024)	2024	
EVBMS with charge monitor and fire detection	Dr Y.Mastanamma Dr. B.Laxman A.Archana K.Pulla Reddy	ICREGCSD 2023	E3S Web of Conferences 472, 02005 (2024)	2024	

the design and implementation of D - Statcom : Aim to improve power quality	N.Nireekshana Ashwini Omprakash Md.Mujtaba F,urkhan A.Shiva Mudavath Sridhar	ICCIASH-2024	International conference at st.Martins engineering college	2024	UGC Care list-1
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✓ Collaborations and Partnerships

Project Title	Collaborating Institution	Description	Start Date	End Date	Remarks
MoU1	Hyderabad Institute of Electrical Engineering	UG Projects	2021	2024	
MoU2	MEPAC Engineering solutions Pvt. Ltd.	UG Projects	2021	2024	
MoU3	Skilldzire Technologies Private Limited	Internships To Under Graduate Students	2021	2024	
MoU4	Pantech E Learning Pvt.Ltd	Internships To Under Graduate Students	2022	2025	
MoU5	PRAGYATMI KA the power of Intelligence	UG Projects	2023	2027	

✓ Patents, Innovations and Start-ups

Patent/ Innovation/ Start-up	Inventor(s)	Description	Date Filed	Status	Remarks
02	02	1.AI based Solar powered Electrical vehicle 2.AI based Humanoid Robot for Industrial Applications	(1)12.04.2024 (2)11.05.2024	Granted Published	Nil

✓ Research collaborations and Industry partnerships

Collaboration	Partner Organisation	Description	Start Date	End Date	Remarks
Research	Woosong University, South Korea	Fractional Order High Pass Filter Based Extremum Seeking Control for Grid Connected PV System	2022	Till date	

✓ Internships and Training Programs

Program Name	Description	Duration	Companies Involved	Number of Students
Summer Internships	Students are encouraged to take up Internships in industry during their summer vacation after VI SEM.	One Month	10	45

✓ Consultancy

Consultancy Project	Client Organisation	Description	Start Date	End Date	Remarks
Nil	Nil	Nil	Nil	Nil	Nil

• Placements

✓ Placement Statistics including Higher Education

Year	Total Students	Total students placed	Placement Percentage	Major Recruiters
2023-24	35	9	26	

• Alumni updates

○ Alumni Meetings Conducted

Date	Location	Key Discussions	Number of Attendees	Outcomes
06-01-2024	RTC kalabhavan, Hyderabad	Career opportunities and Higher Education possibilities	30	Alumni shared the experience to juniors about job market and higher studies

3. Alumni achievements

Alumni Name	Achievement	Year	Recognition/ Award
M.Anil Goud	University rank	2023	9 th Rank

○ Renowned Alumni

Alumni Name	Graduation Year	Field of Achievements	Notable Positions	Contribution/
Mallempalli Nishith	2024	GATE Ranker		

Nitin Sai chandra	2023	TCS	Associate system Engineer
P.Rajender	2023	TTEC Digital Analytics India LLD	Systems software Associate Engineer
Harinath	2024	KunUnbited Hyundai	Service advisor
Revanth	2024	Jaguar and land Rover	Technician

Financial Report

✓ Budget Proposals and Utilisation

Category	Description	Proposed Budget	Utilised Budget	Remaining Budget	Notes
Equipments (Hardware/ Software)	Lab Equipment , Consumables, Repairs, Service , Component replacement	60,000	2,23,964	-	--
Training Programs	<ul style="list-style-type: none"> · Staff participation in national & international FDPs/Seminars/Workshops/ Conferences conducted by other organizations · Professional societies activities / Student workshops/ Guest lectures / Engineer's day/ Industrial visits Research & Development	2,10,000	23,000 [Industrial Visits:8000 R&D: 1000+7500+1500+5000]	-	--
Miscellaneous	Unforeseen expenditure	50,000	50,000	NIL	

Community Engagement and Outreach

Programs conducted with NSS on Social Responsibility Initiatives

Program Name	Date	Location	Participants
International Day against Drug abuse and Illicit trafficking	26 th June 2024	Hyderabad	53
Basic Life Support Techniques	20 th June 2024	Hyderabad	60
Yoga Day	20 th June 2024	Hyderabad	85
Awareness Program on Child abuse , traffic and Hidden Cameras	22 nd April 2024	Hyderabad	02
NID-2024	3 rd March to 5 th March 2024	Hyderabad	16
Productivity Day	16 th February 2024	Hyderabad	28
World Wetlands Day	2 nd February 2024	Hyderabad	86
Blood Donation	20 th December 2023	Hyderabad	170
Health Camp	20 th December 2023	Hyderabad	31

HOD/EEE