



Jan 2024-Apr 2024 (Vol-18)

Vision of EEE Department:

To become a role model department where students are nurtured to achieve multidisciplinary skills leading to their employability, research and can contribute to the society.

Mission of EEE Department

1. To implement effective learning Strategies with a well-structured curriculum and assessment methods
2. To develop expertise in emerging technologies through collaboration with industry and Academic institutions.
3. To prepare socially responsible Engineers by promoting sustainable practices to address societal needs, enhance employability and contribute to the quality education.



Chief Editor

Dr.O.P. SURESH, HOD

Editors

Mrs. U. DIVYA, Asst. Professor

Learning Strategies



HITAM-EEE
News Letter



HYDERABAD INSTITUTE OF TECHNOLOGY AND MANAGEMENT
EEE DEPARTMENT

Program Educational Objectives

PEO1: To excel in technical and professional careers in design and product realization, effectively meeting the demands of industry and organizations.

PEO2: To acquire foundational knowledge in mathematics, science, and electrical engineering, equipping them to pursue higher studies.

PEO3: To attain holistic education to enhance professional skills with changing societal needs

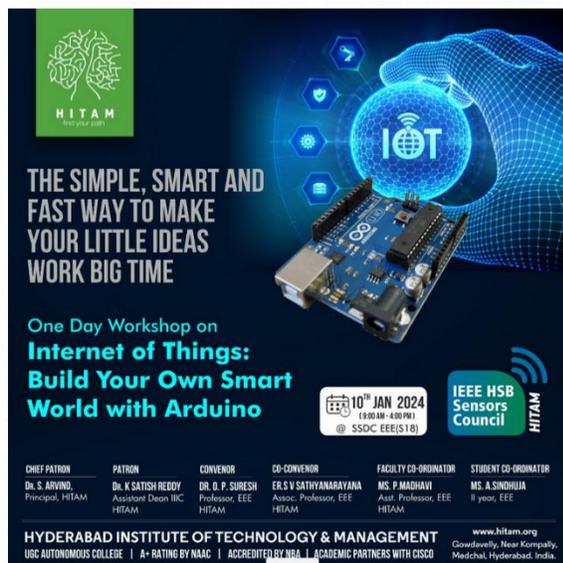
Program Specific Outcomes

PSO1: Analyze, Model, Test and provide engineering solutions in the areas related to electric drives, control, and power systems.

PSO1: Apply fundamentals of electrical engineering to simulate and develop electrical and electronic systems using MATLAB, and PSPICE tools.

Department Events

- *Mr S.V. Sathyanarayana, Asst Prof, from the EEE Dept Conducted workshop on Internet Of Things: Build Your Own Smart World With Arduino At Hyderabad Institute Of Technology & Management on JAN10th, 2024.*



- *Mr S.V. Sathyanarayana, Asst Prof, from the EEE Dept Conducted Guest lecture on Industrial Automatism & Career Opportunities At Hyderabad Institute Of Technology & Management on JAN 03rd, 2024.*

HITAM
HYDERABAD INSTITUTE OF TECHNOLOGY & MANAGEMENT

GET A HANG OF
INDUSTRY 4.0 FOR
A HEAD-START TO
YOUR CAREER 1.0

3rd JAN 2024
(12:00 PM - 4:00 PM)
@ SSDC EEE(S1B)

Guest Lecture on **Industrial Automation & Career opportunities**
Organised by Department of EEE in association with IPCS Global Solutions

IEEE HSB Sensors Council
HITAM

CHIEF PATRON	PATRON	CONVENOR	CO-CONVENOR	FACULTY CO-ORDINATOR	STUDENT CO-ORDINATOR
Dr. S. ARVIND Principal, HITAM	Dr. K SATISH REDDY Assistant Dean IIC, HITAM	DR. D. P. SURESH Professor, EEE, HITAM	ERS.S V SATHYANARAYANA Asst. Professor, EEE, HITAM	MS. P.MADHAVI Asst. Professor, EEE, HITAM	MR. VIVEK EEE



- Dr. M. Chiranjivi & Mr K. Suresh, *Asst Prof, from the EEE Dept* Conducted A 3- days FDP on “RECENT TRENDS ELECTRIC VEHICLES” At Hyderabad Institute Of Technology & Management on 29th Feb, 1st & 5th – March 2024.





Department Industrial Visits

- *III EEE& II EEE students visited the SINGUR HYDERO POWER PLANT on 27th MAR 2024. The main objective of this visit is all about learn turbines Functionality and how the Power can be generated Using different Equipment of the various parts of the Electrical Equipment also gain the Knowledge of Power Plants.*

INDUSTRIAL VISIT

SINGUR
HYDRO POWER PLANT

Organized by Department of EEE
in association with IETE student
forum HITAM, IEEE sensors council

Date : 27-03-2024

PATRON

DR. S. ARVIND
Principal, HITAM

CONVENOR

DR. O. P. SURESH
HOD, EEE, HITAM

COORDINATORS

DR. M. CHIRANJIVI
Assoc. Professor, EEE, HITAM

MR. M. SIDDARTHA

Asst. Professor, EEE, HITAM

HYDERABAD INSTITUTE OF TECHNOLOGY & MANAGEMENT
UGC AUTONOMOUS COLLEGE | A-RATING BY NAAC | ACCREDITED BY NBA | Academic partners with CISCO
www.hitam.org | Gowdavally, Near Kompally, Medchal, Hyderabad, India



- *IVEEE students visited the SMRITHI INDUSTRIES on 20th MAR 2024. The main objective of this visit is all about learn the manufacturing and dimensions of Electric Rice Cookers ,Kettles, Small Fans .*



Paper Publication

- **Dr. M. Chiranjivi**, R. Sundar, Ziaul Haque Choudhury, Gayatri Parasa, Praseeda Ravuri, M. Sivaram, Balambigai Subramanian, Kireet Muppavaram and Vijaya Madhavi Lakshmi Challa, “Future directions of artificial intelligence integration: Managing strategies and opportunities” Journal of Intelligent & Fuzzy Systems (JFIS), ISSN 1064-1246 Vol. 46 (2024) 7109–7122.
- **Dr. M. Chiranjivi**, K. Suresh, A. Anand Kumar, Dr.Ch. Lokeshwar Reddy and M. Siddartha “Agriculture Residue based Electric Power Generation” E3S Web of Conferences, ISSN 2267-1242 472, 03004 (2024).
- **Dr. M. Chiranjivi**, D. Obulesu, Ganesh Babu Loganathan, S. Kayalvili, Prajakta Naregalkar, Ch. Venkata Krishna Reddy, P. William, “A Novel Optimization Approach for Smart Grid Systems with Nano-sized Objects” JOURNAL OF NANO- AND ELECTRONIC PHYSICS (JNEP), ISSN 2306-4277 Vol. 15 No 4, 04023(6pp) (2023).

- **Dr. M. Chiranjivi**, Sheela D. V., Abhay Chaturvedi, Prajakta Naregalkar “Bionic Health-Care Innovation Using Artificial and Human Intelligence”, Intelligent Systems and Applications in Engineering (IJISAE), ISSN 2147-6799, 2023, Vol-11,9S issue, pp- 225-232. (Scopus Indexed).
- Mr P Santhosh,Mrs G Aparna,Mrs U Divya,Mrs M Rani, “Adopting an Enhanced Reconfigurable Built-in Self-Repair Plan in SOCs”,International Journal for Modern Trends in Science and Technology, 2024, 10(03), pages.238-244published on 03 March 2024.

Paper Publications

S.no	Faculty Name	Journal Name	Title	Year
1.	Dr. M. Chiranjivi	Journal of Intelligent & Fuzzy Systems	Future directions of artificial intelligence integration: Managing strategies and opportunities	2023
2.	Dr. M. Chiranjivi, K. Suresh, M. Siddartha	E3S Web of Conferences	Agriculture Residue based Electric Power Generation	2024
3.	Dr. M. Chiranjivi	JOURNAL OF NANO- AND ELECTRONIC PHYSICS	A Novel Optimization Approach for Smart Grid Systems with	2023

			Nano-sized Objects	
4.	Dr. M. Chiranjivi	Intelligent Systems and Applications in Engineering	Bionic Health-Care Innovation Using Artificial and Human Intelligence	2023
5.	Dr.M.Chiranjivi	IEEE	A WECS fed Grid Tied DC-DC LUO Converter for Energy Management in Electric Vehicle System	April 2024
6	Mrs U Divya& Mrs M Rani	,International Journal for Modern Trends in Science and Technology	Adopting an Enhanced Reconfigurable Built-in Self-Repair Plan in SOCs	03-Mar-2024

Patents Publications

- Mr. K. Suresh, Dr.M. Chiranjivi ,Dr. M. Rajeshwar, Mr. M. Siddartha, Mr. G. Chandrashekar, Mrs. M.Rani ,Mr. M. Raviteja, **“PALM PRINT AUTHENTICATION SYSTEM FOR BIOMETRIC APPLICATIONS”** with Application Number 202441009534 in Indian Patent Published on 08th March 2024.
- Dr. M. Chiranjivi **“SWETCHA-A WOMEN SAFETY APPLICATION WITH IOT DEVICE”** with Application Number 202341089606 in Indian Patent Published on 12th January 2024.
- Mrs.U.Divya **“SMART RAIL GUARD: AN INTELLIGENT RAILWAY GATE CONTROL SYSTEM”** with Application Number 202441011981 A in Indian Patent Published on 08th March 2024.

- Dr M. Chiranjivi, Suresh.V, M.A. Inayathullah, C. Fabbina, K.S.Kavin, " A WECS fed Grid Tied DC-DC LUO Converter for Energy Management in Electric Vehicle System" IEEE, doi 10.1109/IC457434.2024.10486647.

S.no	Faculty Name	Patent Name	Title	Year
1.	Dr. M. Chiranjivi	Indian	SWETCHA-A WOMEN SAFETY APPLICATION WITH IOT DEVICE	12 th January 2024.
2.	Mr. K. Suresh, Dr.M.Chiranjivi ,Dr. M.Rajeshwar, Mr. M.Siddartha, Mr.G. Chandrashekar, Mrs. M.Rani , Mr. M. Raviteja	Indian	PALM PRINT AUTHENTICATION SYSTEM FOR BIOMETRIC APPLICATIONS	2024
3.	Mrs U.Divya	Indian	SMART RAIL GUARD: AN INTELLIGENT RAILWAY GATE CONTROL SYSTEM	2023

Faculty Achievements

S.no	Faculty Name	Achievement	Course Type	Date
1.	T.Sirisha		IUCEE Fall 2023	22-01- 2024
2.	U.Divya		IUCEE Fall 2023	22-01- 2024

- *Mrs T. Sirisha, Asst Prof, from the EEE Dept From at Hyderabad Institute Of Technology & Management got the certificate on completion of IUCEE International Engineering Educator Certificate Program Conducted by IGIP on 7th Juli 2023-JAN22nd, 2024.*



- *Mrs U. Divya, Asst Prof, from the EEE Dept From at Hyderabad Institute Of Technology & Management got the certificate on completion of IUCEE International Engineering Educator Certificate Program Conducted by IGIP on 7th Juli 2023-JAN22nd, 2024.*



- *Mr S.V. Sathyanarayana, Asst Prof, from the EEE Dept got the certificate of presentation entitled as Empowering Faculty towards Engineering Education: A Case Study Of HITAM College's Initiative in Tenth Edition Of REES Organized by KLE Technological University- Hubballi in collaboration with REEN and IUCEE From Jan 4-6th 2024*



S.no	Name of the Faculty	Topic Delivered	Date
1.	O.P. Suresh		
2.	K. Suresh	Solar green houses poly tunnels	

3.	Salava V Satyanarayana	Sustainability Assessment of Solar Technologies in Agriculture :Future Trands and Innovations in Solar.	15 th Feb 2024
4.	P.Madhavi	Solar powered Refrigeration and Cold Storage :Solar Powered Processing and value addition	14 th Feb 2024

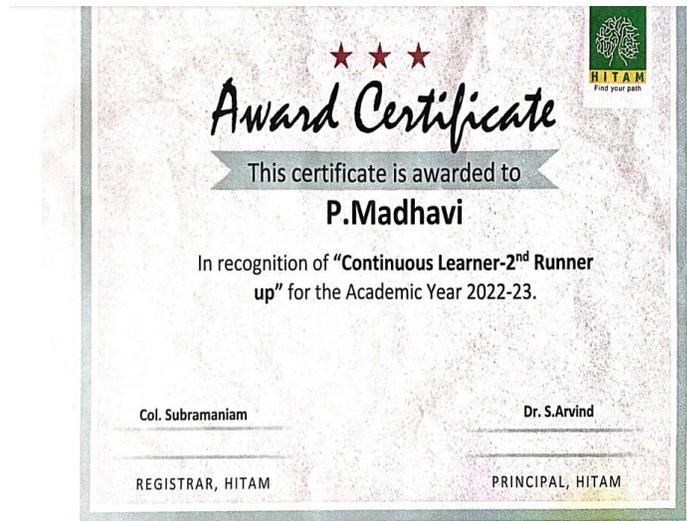
- *O.P. Suresh ,K.Suresh, Salava V Satyanarayana and Pillalamarri Madhavi delivered a lecture as resource persons for the 3-day Training program on “Applications of Solar Technologies in Agriculture and Allied Sectors” conducted at HITAM from 13th-15th February 2024.*

S.no	Faculty Name	Awards	Academic year	Date
1.	<i>Mr. S.V. Sathyanarayana</i>	Best Performer & Continuous Learner	2022-2023	Apr-2024
2.	Mrs P.Madhavi	Continuous Learner-Runner	2022-2023	Apr-2024

- *Mr. S.V. Sathyanarayana Asst Prof., From EEE Department got the Best Performer award and Continuous Learner Award for the academic year 2022-2023.*



- *Ms P.Madhavi Asst Prof., From EEE Department got the Continuous Learner Runner Award for the academic year 2022-2023.*



Faculty Participations

S.no	Faculty Name	Participation Event Name	Organizing Institute	Title	Date &Year
1.	<i>Mrs U. Divya</i>	<i>IEEE ICRISST-2024</i>	<i>Presidency University</i>	<i>Optimal Five phase Voltage source Design with DC Link</i>	<i>15th -16th Mar-2024</i>
2.	<i>Mrs U. Divya</i>	<i>3 Days Faculty Development Program</i>	<i>Hyderabad Institute of Technology & Management</i>	<i>Recent Trends Electric Vehicles</i>	<i>29th Feb ,01st Mar&2nd Mar-2024</i>
	<i>Mrs M.Rani</i>	<i>3 Days Faculty Development Program</i>	<i>Hyderabad Institute of Technology & Management</i>	<i>Recent Trends Electric Vehicles</i>	<i>29th feb ,01st Mar&2nd Mar-2024</i>
	<i>Ms P.Madhavi</i>	<i>3 Days Faculty Development Program</i>	<i>Hyderabad Institute of Technology & Management</i>	<i>Recent Trends Electric Vehicles</i>	<i>29th feb ,01st Mar&2nd Mar-2024</i>
	<i>Mrs T.Sirisha</i>	<i>3 Days Faculty Development Program</i>	<i>Hyderabad Institute of Technology & Management</i>	<i>Recent Trends Electric Vehicles</i>	<i>29th feb ,01st Mar&2nd Mar-2024</i>
	<i>MrM.Siddartha</i>	<i>3 Days Faculty Development Program</i>	<i>Hyderabad Institute of Technology & Management</i>	<i>Recent Trends Electric Vehicles</i>	<i>29th feb ,01st Mar&2nd Mar-2024</i>

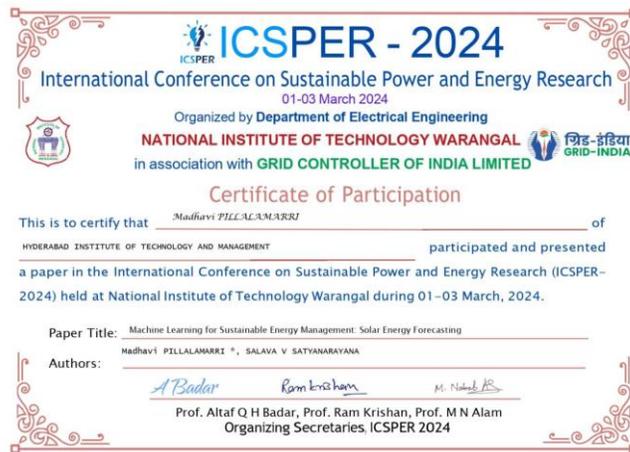
	<i>Mr S.V. Sathyanarayana</i>	<i>3 Days Faculty Development Program</i>	<i>Hyderabad Institute of Technology & Management</i>	<i>Recent Trends Electric Vehicles</i>	<i>29th feb ,01st Mar&2nd Mar-2024</i>
8.	<i>Mrs U. Divya</i>	<i>ICMRI-2024</i>	<i>Radhakrishna Institute of Technology and Engineering Bhubaneswar, Odisha , India& RSP Conference Hub, Coimbatore ,Tamil Nadu, India.</i>	<i>Solar power Smart Irrigation System</i>	<i>27th -28th Mar-2024.</i>
	<i>Mrs T.Sirisha</i>				
	<i>Mrs M.Rani</i>				
9	<i>Ms M. Madhavi</i>	<i>ICSPER-2024</i>	<i>National Institute Of Technology Warangal in association with Grid Controller of India Limited</i>	<i>Machine Learning For Sustainable Energy Management Solar Energy Forecasting</i>	<i>1st -03rd Mar-2024.</i>
	<i>Mr S.V Satyanarayana</i>				
10	<i>Mrs U. Divya ,</i>	<i>One Week National level Faculty Development Programme</i>	<i>Chaitanya Bharathi Institute of Technology (Autonomous)</i>	<i>Essential Mathematics For Data Science and Machine Learning</i>	<i>5th Feb 2024 to 9th Feb 2024.</i>
11.	<i>Mrs U. Divya</i>	<i>Training Workshop</i>	<i>Confederation of Indian Industry in Collaboration with Vishnu</i>	<i>Design Thinking Tools for Problem definition & Project Ideation</i>	<i>30th JAN2024 .</i>

			<i>Educational Development and Innovation Center</i>		
12	Mrs U. Divya	<i>Skill Training Workshop</i>	St. Xavier's College of Management &Technology &RSP Science Hub	Efficient Project Management &Documentation: Modern Tools usage for Projects &Paper writing	<i>16 APR 2024</i>

➤ Mrs U.Divya , Asst prof in EEE Dept. Attended A conference and Got the participation certificate in the IEEE ICRISST-2024 Organized by Presidency University, Bengaluru, Karnataka, India has presented the paper Title on “Optimal Five phase Voltage source Design with DC Link” on 15th -16th Mar-2024.



- Mrs M. Madhavi & Mr S.V Satyanarayana , Asst prof in EEE Dept. Attended A conference and Got the participation certificate in the ICSPER-2024 Organized by National Institute Of Technology Warangal in association with Grid Controller of India Limited has presented the paper Title on “Machine Learning For Sustainable Energy Management Solar Energy Forecasting ” on 1st -03rd Mar-2024.



- Ms M.Madhvi, Asst prof in EEE Dept. Successfully completed the 3 days FDP in “Recent Trends Electric Vehicles” Organised by Hyderabad Institute of Technology & Management on 29th feb ,01st Mar&2nd Mar- 2024.
- Mrs T.Sirisha , Asst prof in EEE Dept. Successfully completed the 3 days FDP in “Recent Trends Electric Vehicles” Organised by Hyderabad Institute of Technology & Management on 29th feb ,01st Mar&2nd Mar- 2024.
- Mrs M.Rani , Asst prof in EEE Dept. Successfully completed the 3 days FDP in “Recent Trends Electric Vehicles” Organised by Hyderabad Institute of Technology & Management on 29th feb ,01st Mar&2nd Mar- 2024.

- Mrs U.Divya , Asst prof in EEE Dept. Successfully completed the 3 days FDP in “Recent Trends Electric Vehicles” Organised by Hyderabad Institute of Technology & Management on 29th feb ,01st Mar&2nd Mar- 2024.
- Mr M.Siddartha , Asst prof in EEE Dept. Successfully completed the 3 days FDP in “Recent Trends Electric Vehicles” Organised by Hyderabad Institute of Technology & Management on 29th feb ,01st Mar&2nd Mar- 2024.
- Mr S.V Sathyanarayana, Asst prof in EEE Dept. Successfully completed the 3 days FDP in “Recent Trends Electric Vehicles” Organised by Hyderabad Institute of Technology & Management on 29th feb ,01st Mar&2nd Mar- 2024.
- Mr M.Ravi teja , Asst prof in EEE Dept. Successfully completed the 3 days FDP in “Recent Trends Electric Vehicles” Organised by Hyderabad Institute of Technology & Management on 29th feb ,01st Mar&2nd Mar- 2024.



- Mrs U.Divya , Asst prof in EEE Dept. Attended A conference and Got the participation certificate in the ICMRI-2024 Jointly Organised by Radhakrishna Institute of Technology and Engineering Bhubaneswar, Odisha , India & RSP Conference Hub, Coimbatore ,Tamil Nadu, India has presented the paper Title on “Solar power Smart Irrigation System” on 27th -28th Mar-2024.
- Mrs T.Sirisha , Asst prof in EEE Dept. Attended A conference and Got the participation certificate in the ICMRI-2024 Jointly Organised by Radhakrishna

Institute of Technology and Engineering Bhubaneswar, Odisha , India & RSP Conference Hub, Coimbatore ,Tamil Nadu, India has presented the paper Title on “Solar power Smart Irrigation System” on 27th -28th Mar-2024.

- *Mrs M.Rani , Asst prof in EEE Dept. Attended A conference and Got the participation certificate in the ICMRI-2024 Jointly Organised by Radhakrishna Institute of Technology and Engineering Bhubaneswar, Odisha , India & RSP Conference Hub, Coimbatore ,Tamil Nadu, India has presented the paper Title on “Solar power Smart Irrigation System” on 27th -28th Mar-2024.*



- *Mrs U. Divya , Asst Prof, from the EEE Dept From at Hyderabad Institute Of Technology & Management got the Participation Certificate on Completion of One Week National level Faculty Development Programme “Essential Mathematics For Data Science and Machine Learning” Organized by the Department of AI&ML,Chaitanya Bharathi Institute of Technology (Autonomous) of on 5th Feb 2024 to 9th Feb 2024.*



- Mrs U. Divya, Asst Prof, from the EEE Dept From at Hyderabad Institute Of Technology & Management got the Participate certificate in the Training Workshop on “Design Thinking Tools for Problem definition & Project Ideation ” Organized by Confederation of Indian Industry ,Telangana in Collaboration with Vishnu Educational Development and Innovation Center (Vedic) On 30th JAN 2024.



- Mrs U. Divya, Asst Prof, from the EEE Dept From at Hyderabad Institute Of Technology & Management got the Participate certificate in the Skill Training Workshop on “Efficient Project Management & Documentation: Modern Tools

usage for Projects & Paper writing” *Organized by* St. Xavier’s College of Management & Technology & RSP Science Hub *On 16 APR 2024.*



Student Achievements

- Salava V Satyanarayana, Pillalamarri Madhavi, MD Wasim Akhram Ali, Ayush Gupta, MD Sufyan Nayim presented a paper titled “Load Automation using Node MCU” at International Conference on Emerging Advances and Applications in Green Energy (ICEAAGE-2024), Prasad V. Potluri Siddhartha Institute of Technology (Autonomous) Vijayawada, Andhra Pradesh, India-520007 on 29th February 2024.
- 12 Students from III EEE completed the Certification course on Python Fundamentals for Beginners powered by Great Learning.



- *Mr B.Dinesh, Studying in II year EEE Dept. Got the participation certificate in IOT:Build Your Own Smart World With Arduino Organized by Hyderabad Institute Of Technology and Management in Association with Pan tech e-Learning on10th Jan 2024.*



- *Mr B.Dinesh, Studying in II year EEE Dept. Got the participation certificate in IGBC's National Poster Competition- Decarbonizing India Organized as a part of the 6th edition of Harit prem Barat Mahotsav*

between 23-29 Jan 2024.



- Ms Sindhu Sagar Studied in III Year in EEE Dept .Got the Second Prize for Innovative Idea in Millets Sector during Women Hackathon 2.0 on the Occasion Of International Women's day Celebrations Organised by NI-MSME held on 07th mar-2024



- The below Students Got the Participation Certificate in Seasonal School -2024 on Smart Agriculture System Using IOT Technology Organised by IEEE Sensors Council Hyderabad Chapter Held on 22nd -23rd Mar 2024.

S.no/Name(year)	Event	Organising Institute	Date
1.A. Sindhuja (II EEE)	Seasonal School -2024	IEEE Sensors Council Hyderabad Chapter	22 nd -23 rd Mar 2024
2. G. Vikram Reddy(II EEE)			
3.V.Akhil sai(II EEE)			
1. K.Pranay(II EEE)			





- Ms K .Malleswari , II Year in EEE Dept. Attended A conference and Got the participation certificate in the ICMRI-2024 Jointly Organised by Radhakrishna Institute of Technology and Engineering Bhubaneswar, Odisha , India & RSP Conference Hub, Coimbatore ,Tamil Nadu, India has presented the paper Title on “Solar power Smart Irrigation System” on 27th -28th Mar-2024.



- Mr B .Dinesh, II Year in EEE Dept. Got the certificate in the Completion of Online course in Data Structures in C on Mar-2024.



- *Mr S.Naresh ,II Year in EEE Dept. Attended A conference and Got the participation certificate in the ICMRI-2024 Jointly Organised by Radhakrishna Institute of Technology and Engineering Bhubaneswar, Odisha , India& RSP Conference Hub, Coimbatore ,Tamil Nadu, India has presented the paper Title on “Solar power Smart Irrigation System” on 27th -28th Mar-2024.*



- *Mr B .Dinesh, II Year in EEE Dept. Got the certificate in the Completion of 6 Months Training in Simulation Software for Electrical Engineering Course Conducted by the APPC through Online during the year 2023-2024 Certificate Issued on 23 Apr-2024.*



APPC

(Andhra Pradesh Productivity Council
Established by Government in 1958 Serving AP& TS)



TBOCWBB

(Telangana Building and Other Construction
Workers Welfare Board)

Certificate Completion

This certificate is presented to

Mr / Ms. BANOTH DINESH

SO, DO, WO. BANOTH CHANDRABHNAU

On Successful Completion Of Skill Upgradation training

in Simulation Software for Electrical Engineering Course

Conducted by the APPC through Online during 2023 to 2024

in JANGAON District.

APPC ID : AONBJUL23JAN13000129

Issued on : 23 Apr 2024

Course Duration : Six Months

BOCW ID : ALOJANG/2022/02182

