Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
DEEMED TO BE UNIVERSITY
University with Graded Autonomy Status
(An ISO 21001 : 2018 Certified Institution)
Periyar E.V.R. High Road, Maduravoyal, Chennai-95. Tamilnadu, India.

FACULTY OF ENGINEERING AND TECHNOLOGY

DEPARTMANT OF INFORMATION TECHNOLOGY

TECH VOICE

VISION

To create technology proficient and ethically enriched IT professionals through holistic and state of art curriculum

MISSION

To update the IT skills of students and faculty adapting recent technology developments in the curriculum as recommended by academicians, industry experts and alumni.

To establish equipped laboratories to present excellent education in the conventional and modern vicinity of Information Technology. To create responsible IT professionals with ethical values and social responsibilities. To stimulate entrepreneurial mind-set among the students and enhance competency through regular industrial exposure. To utilize the family of alma mater through strong interaction and networking making them instrumental for development of academic and industrial linkage

PROGRAM EDUCATIONAL OBJECTIVES[PEO'S]

Graduates will be able to:

PEO 1: Excel by taking up key roles in IT and related industries, Government organizations and academia through strong leadership skills.

PEO 2: Undertake higher studies and/or research in the field of Information Technology, management or other related domains.

PEO 3: Develop innovative products and implement novel solutions to real world

problems in IT and related interdisciplinary areas.

PEO 4: Understand the societal impact of IT services and use their skills in an ethical, responsible and professional manner.

PEO 5: Be updated with continuous learning and have a global perspective, so as to remain current in their profession while meeting the needs of the industry and nation at large.

PROGRAM SPECIFIC OUTCOMES[PSO'S]

- Ability to augment the understanding of broad themes of STEM using Information Technology.
- Ability to analyse, design, develop and implement sustained IT solutions as a team to improve the productivity of the organization with social and economic constraints.
- Ability to apply ethical decision making, use IT industry recognized best practices and standards in the development, implementation and management of IT system integrating multiple domains.
- Ability to understand and update current trends in web technology, distributed infrastructure, data management, software engineering, system engineering and secured application

Student Outcomes – CAC

Graduates of the program will have ability to:
- **SO1: Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.**
- **SO2: Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.**
- **SO3: Communicate effectively in a variety of professional contexts.**
- **SO4: Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.**
- **SO5: Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.**
- **SO6: Use systemic approaches to select, develop, apply, integrate, and administer secure computing technologies to accomplish user goals.**

HOD'S DESK

It gives me great pleasure to give my best wishes to "TECH VOICE" , a newsletter from Department of Information Technology of Dr.M.G.R Educational and Research Institute.It is a technical platformto bring out the hidden talents of students and faculty . The students andfaculties of department are always proactive in taking initiatives in technical, cultural and social events. I hope that this newsletter will serve the purpose of reflecting all activities of department and it will inspire others to do the

ir best. Wishing you all the best. I take this opportunity to congratulate the students editorial team and our staff editors Dr.Dahlia Sam and Mr.A.Kameshwaran for their great effort to make this news letter as a reality. Also I invite the readers of "TECH VOICE"' for their contribution and suggestions for the forthcoming issues. I wish good luck to the entire team of editors and look forward for your kind patronage to our newsletter.

Dr.N.Kanya

PUBLICATIONS

S.No.	Authors	Authors	Authors	Authors
1	M. Kiruthiga Devi, Praveen Kumar Sah, Rakesh Ranjan Kumar	Using LLM Document Classification at Local Disk	International Journal of Information Technology and Computer Engineering	2025
2	Dahlia Sam, Sandeep kumar P, Naveen M, Rohitha B, Sanjay B	Virtual Encyclopedia using Augmented Reality	Proceedings of The 8th International Conference on Intelligent Computing (IConIC)	21st & 22nd March, 2025
3	Madhura,Srinithi,Swetha v	Virtual Reality (Hologram) based food Supply system in Smart Restaurant based Menu Ordering System	13th International Conference On Contemporary Engineering & Technology	22nd & 23rd March, 2025
4	Dahlia Sam, Udhaya S, Vennila G	Comprensive Vehicle Safety Assistance System	13th International Conference On Contemporary Engineering & Technology	22nd & 23rd March, 2025
5	N.Kanya	A Framework for sharing student-owned educational data on public blockchain network	13th International Conference On Contemporary Engineering & Technology	22nd & 23rd March, 2025
6	R. Ramesh	Incorporating meteorogical data and pesticide information to forecast crop yields using machine learning	13th International Conference On Contemporary Engineering & Technology	22nd & 23rd March, 2025
7	Dahlia Sam, Ganesan D, Arun Prasanth K	Innovatice Approcahes to Cluster Intrusion Detection and Prevention	The 10th National Conference on Sustainable IT: Technology for a Better Tomorrow	19th & 20th March, 2025
8	N. Jeysankar Ruthish Raj, Praveen	Fresh Sense Revalutionising Produce Quality Monitoring With Automomus Drone Technology	Proceedings of The 8th International Conference on Intelligent Computing (IConIC)	21st & 22nd March, 2025
9	C.Sharmila	Aquatic Ecology:Harnessing Water Quality in Fisheries Management	Proceedings of The 8th International Conference on Intelligent Computing (IConIC)	21st & 22nd March, 2025
10	Deepa, Ayisha, Brijesh	Intelligent Monitoring Security CAM using open CVA and Alarm Integration System	The 10th National Conference on Sustainable IT: Technology for a Better Tomorrow	19th & 20th March, 2025
11	Deepa, Rajinish Kumar, Joseph Thambi Avinash	Distributed Ledger Based Communication Protocols	The 10th National Conference on Sustainable IT: Technology for a Better Tomorrow	19th & 20th March, 2025
12	Deepa, S.Rubesh Kumar, R.Karthik Raja	Implementation of Wireless Communicatuin System For Vehicle Using L1-F1	The 10th National Conference on Sustainable IT: Technology for a Better Tomorrow	19th & 20th March, 2025
13	G.Deepa, Rajinish Kumar, Joseph Thambi Avinash	ARDUINO Based Autonomous Fire Fighting Robot	13th International Conference on Contemporary Engineering and Technology 2025	22 nd,23rd March 2025
14	C.Sharmila	Protecswitch: Design and Implementation of Protecswitch for Women Safety	The 10th National Conference on Sustainable IT: Technology for a Better Tomorrow	19th & 20th March, 2025
15	C.Sharmila	Aquatic Ecology:Harnessing Water Quality in Fisheries Management	The 10th National Conference on Sustainable IT: Technology for a Better Tomorrow	19th & 20th March, 2025
16	C.Sharmila	NXT GEN HEALTH - DISEASE INSIGHT AND LIFESTYLE CHOICE	The 10th National Conference on Sustainable IT: Technology for a Better Tomorrow	19th & 20th March, 2025
17	Madhura D	Enhancing Urban Mobility with Density Aware Traffic Light System	The 10th National Conference on Sustainable IT: Technology for a Better Tomorrow	19th & 20th March, 2025
18	ViswaPriya V, Sai Baivish P, Sai Sidharth A K	AI Based street Light Fault Detection System using IOT	The 10th National Conference on Sustainable IT: Technology for a Better Tomorrow	19th & 20th March, 2025
19	ViswaPriya V, Sharvathan S, Kameshwaran M V	Early Diagnosis Biomarker Discovery For Gastric Cancer	The 10th National Conference on Sustainable IT: Technology for a Better Tomorrow	19th & 20th March, 2025
20	ViswaPriya V, Deepak R, Aswin Kumar L	IOT Edge AI - Smart Signal Clearance For Emergency Vehicles	The 10th National Conference on Sustainable IT: Technology for a Better Tomorrow	19th & 20th March, 2025
21	Dahlia Sam, Vishnu L M, Shanmugi S	Integrated Engine Oil Alert System with Pollution Control Measures	The 10th National Conference on Sustainable IT: Technology for a Better Tomorrow	19th & 20th March, 2026
22	Dahlia Sam, Sandeep kumar P, Naveen M,	Virtual Encyclopedia using Augmented Reality	The 10th National Conference on Sustainable IT: Technology for a Better Tomorrow	19th & 20th March, 2027
23	Dahlia Sam, Udhaya S, Vennila G	Comprehensive Vehicle Safety Assistance System	The 10th National Conference on Sustainable IT: Technology for a Better Tomorrow	19th & 20th March, 2028

STUDENT CORNER

Piraga deeshwaran K and Anish Kumar B M
of 3rd Yr IT
Got 1st prize
At Sindhi College Symposium, TECH SPARK

R.Uvanesh   III year
Won the 2nd place
At Alpha collage of arts & science

Jashwanth C and Anusha G
III Year IT
Got the 2nd prize
At the MEDRINO'25 symposium
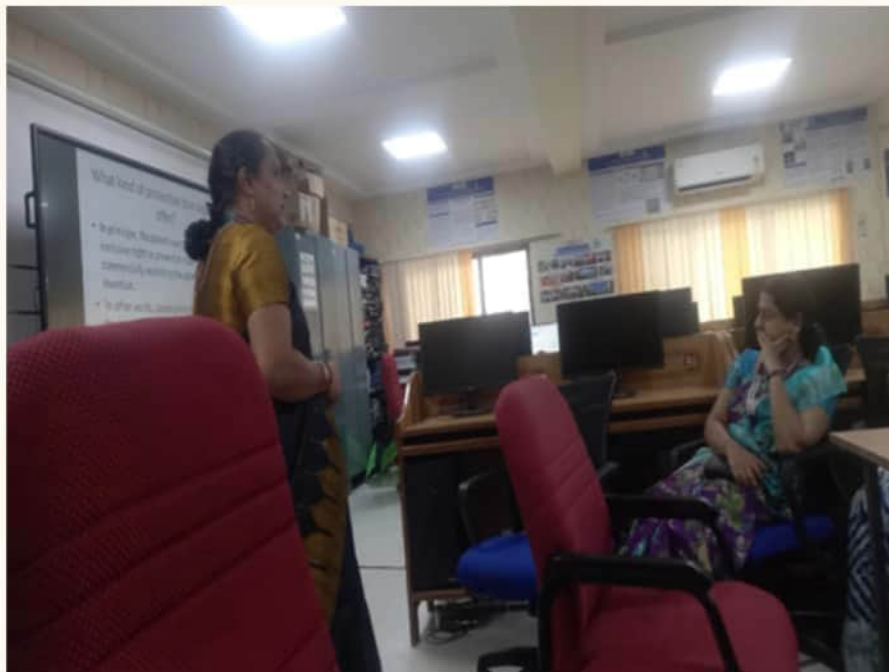held at Rajalakshmi Engineering College.

Adhithyan S
III Year IT
Got 2nd Prize
At Sindhi College Symposium,
TECHSPARK

DEPARTMENT RESEARCH FORUM MEETING MINUTES

Research Forum Name:
SRIDHAR VEMBU RESEARCH FORUM

Date: 19.12.24   TIME: 10.00 PM

OUTCOME OF THE MEETING :
THE RESEARCH FORUM MEETING WAS A VERY INFORMATIVE AND USEFUL FOR ALL THE MEMBERS TO KNOW ABOUT PLAGIARISM TOOLS AND HOW TO AVOID PLAGIARISM IN THEIR PUBLICATION. THIS WILL BE VERY HELPFUL TO DO QUALITY PUBLICATION.

EVENTS CORNER

National Conference

"ICON 2025"

Date 19/03/2025 to 20/03/2025

Time 10.00 AM to 04.00 PM

Guest Speaker : Dr. S. Manthira Moorthi,
Scientist-G Group Director, ODPG/SIPG,,
Space Applications Centre (ISRO), Ahmedabad
Dr. Balasubramaniam

VENUE UNIVERSITY AUDITORIUM

Placements

Mr. Sathish kumar S
Dept: B.Tech IT
Reg.No : 211121101099

Role : Trainee

Ms. J.Logitha
Dept: B.Tech IT
Reg.No : 211121101057

Ms. Thrisha. S
Dept: B.Tech (IT)
Reg. No: 211121101114

Mr : Yugendran V
Dept ; B.Tech (IT)
Reg. No : 211121101131

Mr. Sahana B
Dept: B.Tech (IT)
Reg. No: 211121101090

Role : Software training Program

Placements

Mr. R.Manoj Kumar
Dept. : B.Tech (IT)
Reg. No : 211121101604

Role : Trainee

Mr. Md Rashid
Dept: B.Tech (IT)
Reg. No : 211121101061

Role : Associate

IT–Q3–25/9/2024

Mr. Rakesh Ranjan
Dept : B.Tech(IT)
Reg.No:211121101084

Role : Business Development
Executive

JAN–MAR 20

Ms.Harini .R
Dept : B.tech (IT)
Reg. No :211121101039

Role : Business Development
Associate

FACULTY STAR

Mrs.Santhanalakshmi
star of Q1 (2025)

STUDENT STAR

Uvanesh.R
IV YEAR

Jashwanth.G
IV YEAR

Anusha.C
IV YEAR

EDITORIAL BOARD

STAFF COORDINATOR

Dr. Dahlia Sam
Professor

Mr.A.Kameshwaran
Assistant Professor

STUDENT COORDINATOR

Kaviyarasan.K

B.TECH -IT III YEAR

Mohan.M

B.TECH -IT II YEAR

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