



**Dr. M.G.R.**  
**EDUCATIONAL AND RESEARCH INSTITUTE**  
**DEEMED TO BE UNIVERSITY**

University with Graded Autonomy Status

(An ISO 21001 : 2018 Certified Institution)

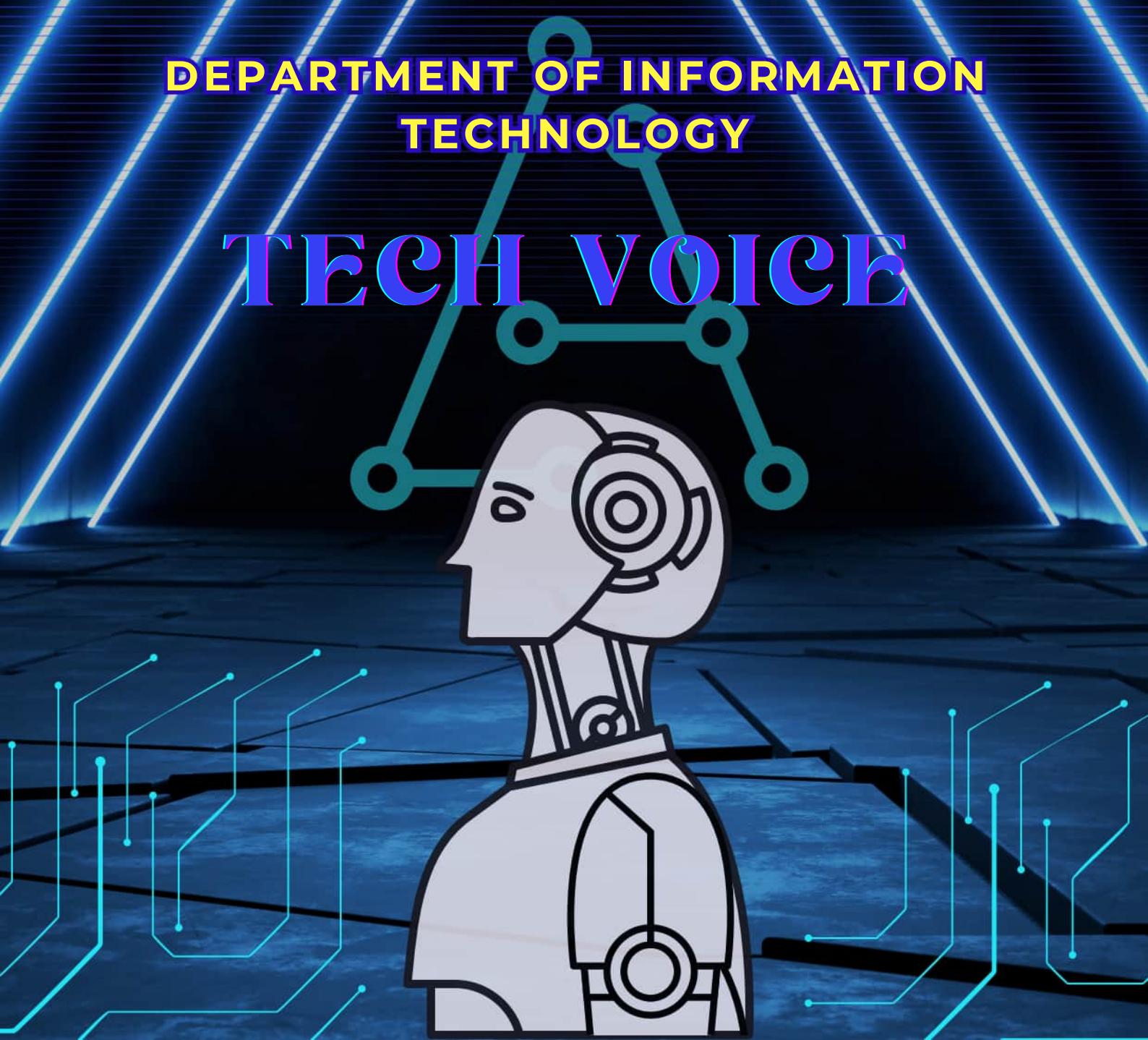
Periyar E.V.R. High Road, Maduravoyal, Chennai-95, Tamilnadu, India.



**FACULTY OF ENGINEERING AND TECHNOLOGY**

**DEPARTMENT 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 platform to bring out the hidden talents of students and faculty . The students and faculties 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

---

- Sanmugasundaram, R., Parthasarathy Ramadass., Kiruthiga Devi, M., Unnamalai, K. & Sannasi Rajan, M. V. (2024). Improving Wart Treatment Efficacy Prediction with Immunotherapy and Cryotherapy Using SVM, RF, CVM, k-NN, MLP, and BLR Algorithms in Machine Learning. 2024 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IConSCEPT), Karaikal, India, 4th & 5th July, 2024.
- Kiruthiga Devi Murugavel., Parthasarathy Ramadass, B., Karthikeyan., Rakesh Kumar Mahendran., Kavitha, E. & Sanmugasundaram, R. (2024). E2FP-Net: Elevated Fusion Feature Pyramid Network for Alzheimer Detection. 2024 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IConSCEPT), Karaikal, India, 4th & 5th July, 2024.
- Tamilselvi, C., Angel Maanu, P., Anush Priya, T., Kalaiyarasi, R., Nithiyasree, P. & Mohanaprakash, T. A. (2024). Empowering Coders: Revolutionizing Programming Education with NLP and Challenge-Based Learning. 2024 Third International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN),Villupuram, India, 18th & 19th July, 2024.
- Megaan Leo, L., Prabha, B., Gopinath, K.M., Tamilselvi, C., Mohanaprakash, T.A. & Naveen, P. (2024). Pioneering Healthcare Transformation: Deep Learning and Radiographic Imaging for Rapid COVID-19 Diagnosis. 2023 3rd International Conference on Innovative Mechanisms for Industry Applications (ICIMIA), Villupuram, India, 21-23 December 2023.
- Mohanaprakash, T.A., Kalaiyarasi, R., Ramya, M., Vyshnavi, K., Madhura Deventhiran & Jaichitra. (2024). Evaluating Machine Learning Classifiers for Breast Cancer Diagnosis: A Comparative Study Using Accuracy Metrics. 2023 IEEE International Carnahan Conference on Security Technology (ICCST), Pune, India, 11-15 October 2023.
- Parthasarathy, R., Kiruthiga Devi, M., Karthick, V., Kumar, P. & Rakesh Kumar Mahendran. (2024). EvauleBlock: Evaluating Answers in E-Learning Applications with Enhanced Security and Intelligence through DRL and Blockchain Integration. 2024 3rd International Conference on Electrical, Electronics, Information and Communication Technologies, ICEEICT 2024, Trichirappalli, India, 24-26 July 2024.
- Kameshwaran, A., Lakshmi kannan, Pa. & Logesh, G. (2024). A comparative analysis of gradient boosting classifier between four alternative machine learning approaches in identifying osteoporosis risk factors via FRAX. National level conference RING'24, Chennai, India, 6th April 2024.

# STUDENT CORNER



**E.Devanathan-IV IT A**

**S.Rubeshkumar-IV IT B**

**Got third price in war of graffiti  
At St.Joseph Institute of Technology**

**Jayasurya**  
**Got second prize in CODE BOARD  
from st Joseph college symposium**



## Industrial Visit



**4th year students  
venue :VI Microsystems Pvt Ltd,  
Perungudi  
on 10/08/2024**

# Certificate Training Program



*Chief Guest : Bezaleel .S, Founder  
& Robotics Engineer, ENLIGHT  
Wisdom*

*Chief Guest :Prithiviraj  
Vectra Technosoft Pvt. Ltd.  
(Advantage Pro - Red Hat  
Academy)*



*Chief Guest  
Vazhakku Kannan Nagappan  
PZTVC Education Sdn Bhd  
Designation: - Trainer in  
Corporate Sector*

# EVENTS CORNER

---

## Subject Lecture on " Problem Solving and Python Programming "

Date: 26.07.2024

Time: 2.00pm To 4.00pm

**GUEST SPEAKER : Mr. N. Jeysankar, Assistant Professor,Dept of Information Technology.**

## Subject Lecture on " Cloud Computing"

Date: 31.07.2024

Time: 2.00pm To 4.00pm

**GUEST SPEAKER : Mr. R. Ramesh, Assistant Professor, Department of Information Technology**

## Seminar on " Dream to pursue advanced studies at a Global Institution"

Date: 22.08.2024

Time: 2.00pm To 4.00pm

**GUEST SPEAKER : Ms. Jency, Career Counsellor, EduTravllr, Chennai.**

**Ms. Yamini. V, Career Counsellor, EduTravllr, Chennai.**

# EVENTS CORNER

---

## Seminar on " Awareness on Higher Education Program"

Date: 05.08.2024

Time: 2.00pm To 4.00pm

**GUEST SPEAKER :** Mrs. JayaLakshmi, Destination Managers, Azent Overseas Education, Chennai  
Mrs. Atima Khurana, Destination Managers, Azent Overseas

## Inter Disciplinary Lecture on "Importance of Exercise in Daily Life"

Date: 08.08.2024

Time: 2.00pm To 4.00pm

**GUEST SPEAKER :** Dr. M. Mahalingam, Additional Head, Department of Physical Education and Sports

## Techincal Talk on " The role of big data analytics in Internet of Things "

Date: 24.09.2024

Time: 2.00pm To 4.00pm

**GUEST SPEAKER :**Dr. V. Sabaresan, Professor, CSE, St Joseph's institute of Technology

# EVENT CORNER

## National level Technical symposium

**SPARKLE'24**



Date:

16.09.2024

18.09.2024

### CHIEF GUEST:

**UDAYA SANKAR, NATIONAL  
LEAD,, NASSCOM, GOVT  
RELATIONS & SKILLS  
INITIATIVES,**



## DEPARTMENT RESEARCH MEETING



### Research Name: SRIDHAR VEMBU RESEARCH



#### Outcome of the Meeting :

Date:16.08.2024

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.

## INTERNAL QUALITY ASSURANCE CELL (IQAC)



**AGENDA 1 – Quality Improvement in Curriculum Design**

**Agenda 2 – Faculty Development**

**Agenda 3 – Infrastructure (Please provide the below details in Numbers as available at present)**

# Alumni Testimonial



Date: 18.08.2024

Time: 2.00pm To 4.00pm

**Mr. Rab Nawaz Khan**  
**Batch (2014-2018),**  
**Cloud and Cybersecurity Product Manager,**  
**Tata Communications Ltd, Chennai**

Being a student at Dr.M.G.R University was one of the most transformative experiences of my life. From the moment I stepped onto campus, I felt an overwhelming sense of belonging, driven by the university's commitment to fostering a diverse and inclusive environment. The faculty members were not only experts in their fields, but also passionate about mentoring and guiding students through their academic and professional journeys. The relationships I built with my professors and peers have lasted long beyond graduation. The university provided me with opportunities to participate in internships, research projects, and networking events that were crucial in shaping my career. I left with not only a degree, but also a sense of confidence, leadership, and a network that continues to support me today.

If I had to sum up my time at Dr.M.G.R University in one word, it would be 'transformative.' The education, experiences, and lifelong friendships I gained have been invaluable in shaping who I am both professionally and personally. I will always be proud to be an alum of such an exceptional institution."

# Placement



**Ms. Janani V S**  
Reg No: 201121101032



**Mr. Manoj Kumar R**  
Reg No: 221121101604



Role: Trainee



Role: Inside Sales Strategist



**Ms. Ranjani**  
Reg No: 221121101085



Role: Inside Sales Strategist

# **FACULTY STAR**



**Mr. Kameshwaran**

**Star of Q3 (2024)**

# **STUDENT STAR**



**Mr. Lakshmi Kannan**  
**IV Year**



**Mr. Manoj Kumar**  
**IV Year**



**Mr. Jayasurya**  
**IV Year**

# EDITORIAL BOARD



## STAFF COORDINATORS

**Dr. Dahlia Sam**  
**Professor**

**Mr.A.Kameshwaran**  
**Assistant Professor**

## STUDENT COORDINATOR

**John Paul Mathews.K**  
**B.Tech IT III Year**



[hll12s://linkedin.com.in/in/department-of information technology-516a0a20a](https://www.linkedin.com/in/in/department-of-information-technology-516a0a20a)



[hll12s://www.instagram.com/mgrclassroom](https://www.instagram.com/mgrclassroom)



[http-S:/ /www.facebook.com/department-of-information-technology-Dr-M-G-R](https://www.facebook.com/department-of-information-technology-Dr-M-G-R)  
ERI 106909501472032



<https://www.youtube.com/@MGRITDepartment>