



**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 and secured applications.



## 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 their 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**



# **RESEARCH AND INNOVATIONS PUBLICATIONS**

- **Kiruthiga Devi, M., (2022). Treatment for insomnia using Genre prediction using Convolutional Recurrent Neural Networks, IEEE Sponsored First International Conference on Computational Science and Technology, 9th & 10th November.**
- **Sujatha Jamuna Anand., Tamilselvi, C., Dahlia Sam, Kamatchi, C., Nibedita Dey. & Sujatha K. (2022). Swarm Intelligence-based Framework for Image Segmentation of Knee MRI Images for Detection of Bone Cancer, Swarm Intelligence and Machine Learning, CRC Press, 1st Edition, eBook ISBN 9781003240037.**
- **Solainayagi, P., Jijina, G.O., Sujatha, K., Kanimozhi, N., Kanya, N. & Sendilvelan, S. Chapter 8 - Trust discovery and information retrieval using artificial intelligence tools from multiple conflicting sources of web cloud computing and e-commerce users, Editor(s): Rajiv Pandey, Sunil Kumar Khatri, Neeraj kumar Singh, Parul Verma, Artificial Intelligence and Machine Learning for EDGE Computing, Academic Press, 2022, p. 103-119, ISBN 9780128240540**



# STUDENTS CORNER

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## DATA SCIENCE

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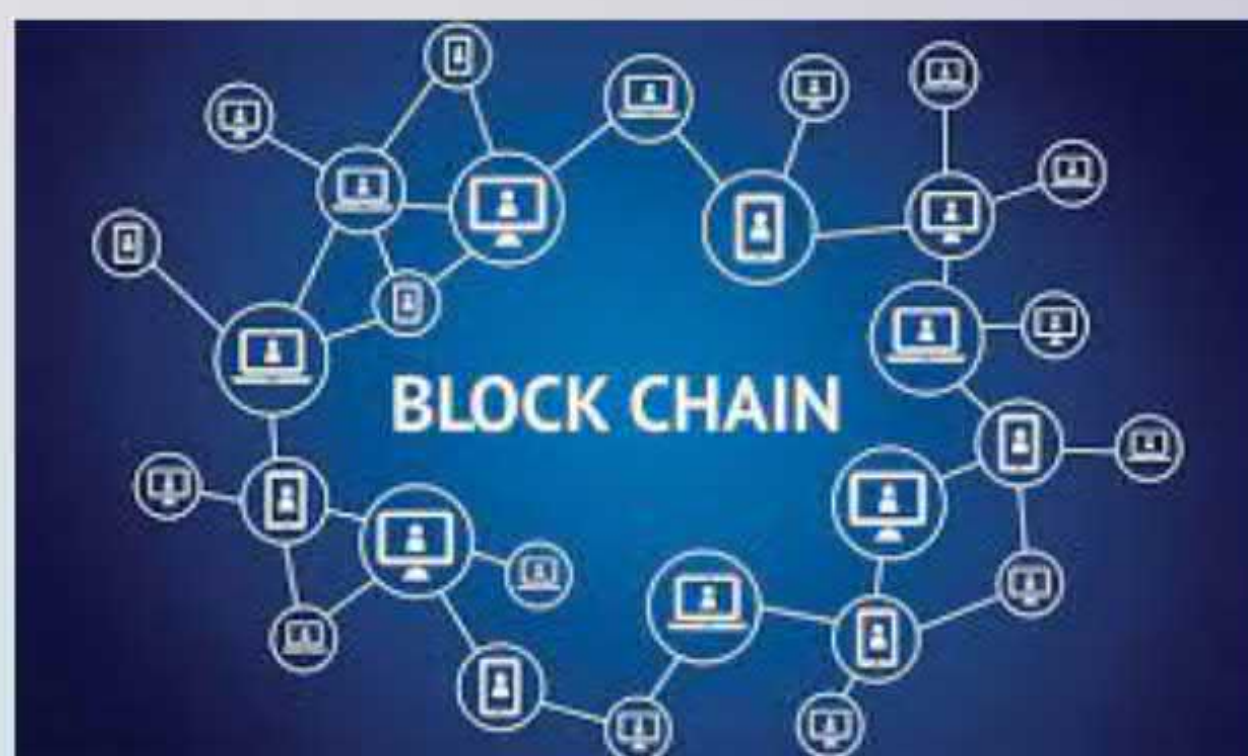
Data science is the study of data to extract meaningful insights for business. It is a multidisciplinary approach that combines principles and practices from the fields of mathematics, statistics, artificial intelligence, and computer engineering to analyze large amounts of data



**RAMYA. J**  
**3RD YEAR**

## BLOCKCHAIN

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A blockchain is a distributed ledger with growing lists of records (blocks) that are securely linked together via cryptographic hashes. Each block contains a cryptographic hash of the previous block, a timestamp, and transaction data.

**VIGNESH.A**  
**3RD YEAR**



## EVENTS CORNER

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**Event name:** Webinar on " Fintech Landscape in India"

**Date :** 29.10.22

**Time :** 11.00 am to 12.00pm

**Chief Guest :** Mr. Mani Parthasarathy, Co Founder and CEO, Habile Technologies

**Event name:** Certificate training program on "AWS & PYTHON"

**Date :** 01.11.22 to 01.12.22

**Time :** 05.00 pm to 7.00pm

**Chief Guest :** Mr. Paul Coady, AWS Trainer, Back Space Academy. USA      Mr. Ashutosh Pawar, Python Trainer, Director, Optimum Solutions, Pune

**Event name:** Guest lecture on " Technical trends and challenges of software testing"

**Date :** 08.11.2022

**Time :** 02.30 pm to 4.30pm

**Chief Guest :** Mr. P. L. Narayanan, Assistant Professor, Department of IT.

**Event name:** Five Days Faculty Development Program on Python

**Date :** 12-12-2022 to 16-12-2022

**Time :** 09.30 am to 4.30pm

**Chief Guest :** Dr. Vivek Dubey Professor, BIET, Hyderabad



**Event name :** ISR Event on Digital Greetings & Poster Making Workshop for School Students

**Date :** 28.12.2022

**Time :** 10. 00 am to 12.00 pm

**Chief Guest :** Mrs.C. Tamilselvi, Assistant Professor, Department of IT.

**Event name :** Seminar on Study Abroad Program (SAP), Industry Specialization Professional (ISP) and Study Abroad Semester (SAS) at Binary

**Date :** 29.12.2022

**Time :** 10.30 AM to 11.30 AM

**Chief Guest :** Mr. A. Ahamed Riaz Regional Director (South India), Binary University, Malaysia

**Event name :** Workshop on Cloud Based Office Management For Corporate Employees ( Paper Less Office)

**Date :** 30.12.2022

**Time :** 10.00 am 12.30pm

**Chief Guest :** Mr.A.Kameshwaran, Assistant Professor, Department of IT, Dr. Dahlia Sam, Professor, Department of IT,



**Event name : ISR EVENT " BREAST CANCER AWARENESS PROGRAM"**



**Chief Guest:** Dr. J. Lalithkumar, HOD dept.of general surgery, Sri Lalithambigai Medical College and Hospital Dr. Mohana Priya, Senior Resident, dept. of general surgery, Sri Lalithambigai Medical College and Hospital Dr. T.Sharmila Devi, Senior Resident, dept. of general surgery, Sri Lalithambigai Medical College and Hospital

## **ALUMINI CORNER**



**Ashwinth Muralikrishnan**  
2012 Batch  
Service and Sales  
Specialist in Citibank

Very happy and grateful to share my four years journey at MGR.It was a memorable experience where we had a great exposure on higher studies and research and development. My long-time dream of becoming an IT professional came true today only because of our MGR University. I am always thankful to all my teachers in my department who have moulded us and shaped us in right way and made us what we are today. We had various department activities, we used to have symposium, guest lectures, conference, inter and intra college activities every year which had helped us a lot in finding us and shaping us. I am so glad and proud to be an alumni of this great institute.



# PLACEMENTS COGNIZANT



PAVITHRA.B  
PROGRAMMER  
ANALYST



CHARUMATHI.T  
PROGRAMMER  
ANALYST



THARANI.R.K  
PROGRAMMER  
ANALYST  
TRAINEE



KAVYA SREE.S  
PROGRAMMER ANALYST  
TRAINEE



PRAGADEESH.S  
PROGRAMMER ANALYST  
TRAINEE

## TCS



SURAJ KUMAR  
ASSISTANT SYTEM ENGINEER



# Stars of Q4

## Faculty star



## Dr. Dahlia Sam

## Student Stars



★ Deepak Varoon Singh B

B.Tech IT 4th Year



★ Kaviya Dharshini.M

B.Tech IT 4th Year



# STAFF COORDINATORS

**DR.DAHLIA SAM**

**MR.A.KAMESHWARAN**

**ASSISTANT PROFESSOR**

**ASSISTANT PROFESSOR**

# STUDENT COORDINATORS

**GOKULNATH.K**

**ASWIN.V**

**B.TECH IT III YEAR**

**B.TECH IT III YEAR**



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<https://www.instagram.com/mgrclassroom>



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<https://twitter.com/departmentsofln8>



[https://www.youtube.com/channel/UVmpKsHxQMP91vO\\_o1CboSg](https://www.youtube.com/channel/UVmpKsHxQMP91vO_o1CboSg)

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