



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

University with Graded Autonomy Status

(An ISO 21001 : 2018 Certified Institution)

Pattar E.V.R. High Road, Madhavoyal, 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

DATA SCIENCE

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



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

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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