IT-Q1-25/03/2023 JAN- MAR 2O23

Dr. M.G.R
EDUCATIONAL AND RESEARCH INSTITUTE
(Deemed to be University with Graded Autonomy Status)
(An ISO 21001 : 2018 Certified Institution)

ACCREDITED WITH GRADE A+ NAAC

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 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. II 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

- Karthikeyan, B., Nithya, K., Alkhayyat, A. & Yousif, Y K. (2023). Artificial intelligence enabled decision support system on e-healthcare environment. Intelligent Automation & Soft Computing. 36 (2), p. 2299–2313.
- Joshi, A., Tamil Selvi, C., Dahlia Sam. & Nalini, T. (2023). Reliability Analysis of Topologies Derived from Ring Topology. Journal of Survey in Fisheries Science. 10(4S), p. 352-357.
- Kameshwaran, A., Suraj Kumar., Raushan Kumar. & Rajeev Kumar. (2023). Eatables Supply Chain among Vendors by Blockchain, International Conference on Advances in Science, Humanities and Technology (ICASHT-23) at Chennai, 9th & 10th January.
- Narayanan, P.L., Prasanth, S., Chandramouli, R. & Rikesh, R. (2023). RSSI based trilaterationfor outdoor localization in Zigbee based on Smart Helmet, International Conference on Advances in Science, Humanities and Technology (ICASHT-23) at Chennai, 9th & 10th January.
- Kanya, N., (2023). Machine Learning and Deep Learning Based Intrusion Detection in Cloud Environment: A Review. 5th International Conference on Smart Systems and Inventive Technology (ICSSIT 2023) at Tirunelveli, 23rd to 25th January.
- Abirami, M., Victo Sudha George, G. & Dahlia Sam. (2023). Acute Lymphoblastic Leukemia Detection Challenges and Systematic Review. 5th International Conference on Smart Systems and Inventive Technology (ICSSIT 2023) at Tirunelveli, 23rd to 25th January.
- Kiruthiga Devi, M., Ramya, N., Parthasarathy, R., Nithya, K., Kaviya Dharshini, M. & Kalpana, R.A. (2023). Home Automation Monitoring and Controlling with BCI Comparative Analysis. 1st International Conference on Computational Science and Technology (ICCST), Chennai, India, pp. 601-605, doi: 10.1109/ICCST55948.2022.10040271.
- Joshi, A., Arunachalam, M., Ajay, T. & Kishore K. (2023). An Energy Efficient Data Sharing using Mltiple Data Center. International Conference on Advances in Science, Humanities and Technology (ICASHT-23) at Chennai, 9th & 10th January.
- Kiruthiga Devi, M., Surya, U., Unnamalai, K. & Tharani, R. K. (2022). Treatment for insomnia using Genre prediction using Convolutional Recurrent Neural Networks, IEEE Sponsored First International Conference on Computational Science and Technology (ICCST) at Chennai, 9th & 10th November, pp. 919-922, doi: 10.1109/ICCST55948.2022.10040279.
- Jeyageetha., V. Tharani, R K., Vignesh, R. &Sathish Kumar, S. (2023). Implementation of Femto Satellite For Air Quality Detection, International Conference on Advances in Science, Humanities and Technology (ICASHT-23) at Chennai, 9th & 10th January.
- Padmapriya, R., Aravind, N., Murugappan. & Magesh Babu. (2023). Health Care ChatBot using Machine Learning, International Conference on Advances in Science, Humanities and Technology (ICASHT-23) at Chennai, 9th & 10th January.
- Viswapriya. & Gunasndari. (2023). Device Discovery in D2D Communication, International Conference on Advances in Science, Humanities and Technology (ICASHT-23) at Chennai, 9th & 10th January.
- Babu, A P., Farukh, M., Frederick Bastro, M. & Krishna, S. (2023). An efficient Approach to detect Diabetes using Random Forest Classifier, International Conference on Advances in Science, Humanities and Technology (ICASHT-23) at Chennai, 9th & 10th January.
- Bhavani, N.P.G., Deepalakshmi, B., Sujatha, K. &Tamilselvi, C. (2023). Smart Monitoring and Quality Control in Leather Processing Industry. In: Kumar, A., Ghinea, G., Merugu, S., Hashimoto, T. (eds) Proceedings of the International Conference on Cognitive and Intelligent Computing. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-19-2358-6_57

EVENTS CORNER

Subject Lecture on "Web Designing and Development"

DATE: 10.01.23 **TIME:** 02.00 pm to 04.00 pm

CHIEF GUEST: Mrs. Monica Gaja, Assistant Professor, Department Of Information Technology, Dr. MGR Educational and Research Institute

Subject Lecture on "SQL"

DATE: 20.01.23 **TIME:** 02.00 pm to 04.00 pm

CHIEF GUEST: Mrs. V. ViswaPriya, Assistant Professor, Department Of Information Technology,Dr. MGR Educational and Research Institute

Interdisciplinary Lecture on "Automation and Robotics"

DATE: 24.01.23 **TIME:** 02.00 pm to 04.00 pm

CHIEF GUEST: Dr.A.Manoj Babu, Deputy Head, Department of Mechanical Engineering, Dr. MGR Educational and Research Institute

Subject Lecture on " Project Quality Assurance in IT Management"

DATE: 25.01.23 **TIME:** 02.00 pm to 04.00 pm

CHIEF GUEST: Mrs. V. Jeya Geetha Assistant Professor, Department Of Information Technology, Dr. MGR Educational and Research Institute

Seminar on "Creative and Innovative Solutions to Study Abroad"

DATE: 09.02.23 **TIME:** 10.30 am to 12.30 pm

CHIEF GUEST: Ms.Manjari Raja, Mentor, Kanan Prep-online study solutions, Chennai.

EVENTS CORNER

Association Day

DATE: 02.02.23 **TIME:** 02.00 pm to 04.00 pm

CHIEF GUEST: Mr. Dinesh Kalidoss, Associate Vice President, LTIMindtree

Mr. David Doss. A. V, Batch :2008-2012HR Business Partner,Accenture

Professional Society Event on "Inauguration of Youth India"

DATE: 08.02.23 **TIME:** 11.00 am to 1.30 pm

CHIEF GUEST: Mr.Varan Mittal,Chair of Yuva vertical,CEO Manasvi steel

Mr. Srivas Anantharaman, Co-Chair Yi Chennai Chapter, founder and CEO, First Feet Engineering Services CO-Founder, Jinglebid

EVENTS CORNER

Seminar on Higher Education Studies Abroad

DATE: 13.02.23 **TIME:** 11.30 am to 12.30 pm
CHIEF GUEST: **Ms. R. Mahalakshmi, International Student Consultant, World Wide Abroad Studies, Chennai.**

Alumni Interation series X "Corporate Culture"

DATE: 15.02.23 **TIME:** 02.00 pm to 04.00 pm
CHIEF GUEST: **Ms.Jayashree Janani Purushothaman, Batch : 2016-2020, Assistant System Engineer, TCS, CHENNAI,**

Workshop on Designing using Photo Shop

DATE: 07.03.23 & 13.03.23 **TIME:** 10.00 am to 04.00 pm
CHIEF GUEST: **Mr.P. Jayakrishnan, Web developer & Assistant Professor, Department of CSE, Dr. M.G.R Educational and Research Institute,**

TECH-TREK'23 - HACKATHON

DATE: 09.03.23 **TIME:** 10.30 am to 12.30 pm
CHIEF GUEST: **Mr. Bharani Kumar, Senior Manager, Imarticus Learning Pvt Ltd,**

Workshop on JAVA

DATE: 27.03.23 to 31.03.23 **TIME:** 10.00 am to 04.00 pm
CHIEF GUEST: **Ms.Vijayarani M FreeLancer Coding Tutor Byjus Future School-WhitehatJr**

EVENTS CORNER

Technology Talk On Metaverse - The New Reality

DATE: 13.03.23 **TIME:** 11.00 am to 01.30 pm

CHIEF GUEST: Mr. Mahadevan Senthil Kumar, Global Practice Head-CSA & Practice Partner-Cloud Security, S&R Practice, Wipro(USA)

National Conference on "ICON 2023"

DATE: 23.03.23 & 24.03.23 **TIME:** 10.00 am to 04.00 pm

CHIEF GUEST: Mr. Senthil Kumar M. CEO Co-founder Jiovio healthcare India.

Rtn. GOPINATHAN KESAVANSenior Consultant Business Intelligence & Business AnalyticsHexaware Technologies, India.

Mr. A. Melcose Founder: Data Science in Tamil Bitz & Bytez Solutions (in the USA)

Mr. P. R.Manikantan Co- Founder & CEO - Seil Learning

EVENTS CORNER

International Webinar on "Essentials of IP Addressing in Computer Networks"

DATE: 27.03.23 **TIME:** 11.00 am to 01.00 pm
CHIEF GUEST: **Dr.Kamalakannan Machap Lecturer, School of Technology, Asia Pacific University, Kuala Lumpur, Malaysia.**

Alumni Interation series XI on " awareness on IT Career paths"

DATE: 28.03.23 **TIME:** 02.00 pm to 04.00 pm
CHIEF GUEST: **Mrs.Bamini Priya Baskar Batch: 2007-2011 Project Manager Wipro Technologies Pvt Ltd, Chennai**

ALUMINI'S CORNER

It was indeed a great 4 years of my Engineering at MGR University. My long-time dream of becoming an IT professional came true today only because of our MGR University. Undoubtedly the department, backed by our HOD kept encouraging me to come out with flying colors not just in academics but also co-curricular activities. I am always thankful to all my teachers in my department who has moulded us and shaped us in right way and made us what we are today. We had so many department activities, symposium, conferences held every year with various events, seminars arranged in our department. The four years of engineering has taught me quite a few life lessons which has enabled me to become a successful IT professional and a good human being above all.

Proud to be the alumni of MGR university

Jai Ganesh. D
Associate Software Engineer, Accenture
Batch: 2022

STUDENT'S CORNER

Lakshmi kannan pa.s
B.Tech- IT (2nd Year)

The augmented reality market will continue to grow as the years goes by, especially as technology becomes more and more accessible to the consumers. which help full for the significant growth in the focus on meta verse technologies, AR is the future pillar for many businesses. It One of the more futuristic and interesting technologies emerging in all the industries. Human beings are vital driver for technology evolution AR is a kind of real life social bridge it provide customised and location based information AR solution has to appeal through simplicity andergonomic factors With the market expected to reach $97.76 billion in 2028, it's clear that augmented reality is the future for many industries think about how these technology may benefit our mankind.

PLACEMENTS

MR. SRI GURU MOORTHY
191121101092
B.TECH-IT

Position: Academic Counsellor

MR.BHARATHMANI
191121101018
B.TECH-IT

Position: Academic Counsellor

Position: Hardware and Networking Trainee

MR. AMAN KUMAR
191121101007
B.TECH-IT

Position: Hardware and Networking Trainee

AWARDS AND ACHEIVEMENTS

Mr. Rupak Raj, III B was part of our University satellite and space application team. They met Dr Sivan former Director ISRO at Astronomical Society of India conference, Bangalore.

Ms. Tharani - IV B, Ms. Nilavarasi - II B, Mr. Jayasurya- II A and Mr. Yugendran II C recey Volunteers Appreciation Certificate for their services rendered towards the project "Dr. APJ Abdul Kalam Satellite Launch Vehicle Mission-2023" jointly organised by Dr. APJ Abdul Kalam International Foundation,House of Kalam, Rameshwaram,Space Zone India, Chennai and Martin Foundation, Coimbatore,where 150 PICO Satellites were launched on a single rocket, a first of its kind in the world on 19th February 2023 from Pattipulam Coastal Village,Chengalpattu District of Tamilnadu, India

Dr. N.Kanya and Dr. M.Kiruthiga Devi attended the World Engineers Day for Sustainable Development Program conducted by Institution of Engineers, India (IEI) on 15/3/2023

FACULTY STAR

Mr. A.Kameshwaran
Assistant Professor

STUDENT STARS

Suraj Kumar
IT- 4th Year

Raushan Kumar
IT- 4th Year

Rajeev Kumar
IT- 4th Year

EDITORIAL BOARD

STAFF COORDINATORS

Dr. Dahlia Sam
Professor

Mr.A.Kameshwaran
Assistant Proffesor

STUDENT COORDINATORS

Infanta Jose Mary.P
B.tech IT III Year

https://linkedin.com.in/in/department-of information technology-516a0a20as

https://www.instagram.com/mgrclassroom

https://www.facebook.com/department-of-information-technology-Dr-M-G-R-ERI 1O69O95O1472O32

https://twitter.com/departmentofln8

https://www.youtube.com/channel/UVmpKsHxQMP91vO_o1CboSg

DEPARTMENT OF INFORMATION TECHNOLOGY

Send your article to : mgritnewsletter@gmail.com