IT-Q3-25/09/2022 JUL-SEP 2022

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 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

Antony Xavier Branson , Sai Shanmuga Raja, Geetha, S., Kirubadevi, T. & Kanya, N (2002). Aggregation of Encrypted Data using a Secure Paillier Key in Wireless Sensor Networks. NeuroQuantology. 20(8), p. 2050-2055 (eISSN1303-5150, doi: 10.14704/nq.2022.20.8.NQ44224)

Kiruthiga Devi Murugavel, Parthasarathy Ramadass, Rakesh Kumar Mahendran, Arfat Ahmad Khan, Mohd Anul Haq, Sultan Alharby & Ahmed Alhussen. (2022). Maintaining Effective Node Chain Connectivity in the Network with Transmission Power of Self-Arranged AdHoc Routing in Cluster Scenario. Electronics. 11(15), 2455. https://doi.org/10.3390/electronics11152455

Dahlia Sam., Kameshwaran, A., ArunKumar, S., Charumathi., M & Mithilesh, K.N. (2022). Online Covid-19 Risk Analysis System for Early Detection of Possible Infection. In: Haldorai, A., Ramu, A., Mohanram, S., Zgheib, R. (eds) 4th EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing. EAI/Springer Innovations in Communication and Computing. Springer, Cham. p. 161–170. https://doi.org/10.1007/978-3-031-07654-1_12

Dahlia Sam, K. Jayanthi, Rishabh Tiwari, A. Shamila Ebenezer, S. Deepa Kanmani, Adlin Sheeba. Chapter 6 - Blockchain in internet of entities - issues and challenges, (2022) Editor(s): Sanjeevikumar Padmanaban, Rajesh Kumar Dhanaraj, Jens Bo Holm-Nielsen, Sathya Krishnamoorthi, Balamurugan Balusamy, Blockchain-Based Systems for the Modern Energy Grid, Academic Press, Pages 83-99, ISBN 9780323918503, https://doi.org/10.1016/B978-0-323-91850-3.00012-3.

A. Kameshwaran, Dahlia Sam, R.S. Rashika, N. Kanya, P.L. Narayanan, R. Hariharan, Chapter 1 - Introduction—blockchain and smart grid, (2022) Editor(s): Sanjeevikumar Padmanaban, Rajesh Kumar Dhanaraj, Jens Bo Holm-Nielsen, Sathya Krishnamoorthi, Balamurugan Balusamy, Blockchain-Based Systems for the Modern Energy Grid, Academic Press, Pages 1-17, ISBN 9780323918503, https://doi.org/10.1016/B978-0-323-91850-3.00001-9.

STUDENTS CORNER

AMAZON WEB SERVICE(AWS)

Amazon Web Services, Inc. (AWS) is a subsidiary of Amazon that provides on-demand cloud computing platforms and APIs to individuals, companies, and governments, on a metered pay-as-you-go basis. These cloud computing web services provide distributed computing processing capacity and software tools via AWS server farms. One of these services is Amazon Elastic Compute Cloud (EC2), which allows users to have at their disposal a virtual cluster of computers, available all the time, through the Internet.

Sheik Shakeer 3rd Year

CYBER SECURITY

Cybersecurity is the practice of protecting systems, networks, and programs from digital attacks. These cyberattacks are usually aimed at accessing, changing, or destroying sensitive information; extorting money from users; or interrupting normal business processes.Implementing effective cybersecurity measures is particularly challenging today because there are more devices than people, and attackers are becoming more innovative.

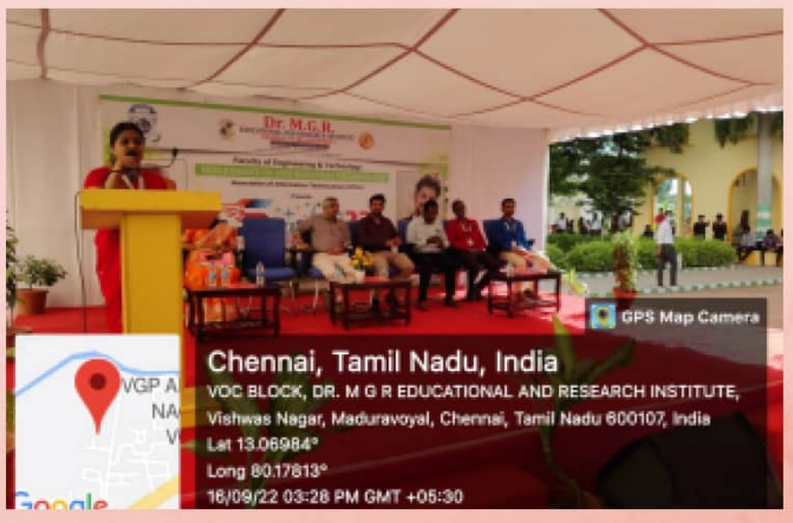
Santhosh.v 3rd Year

EVENTS CORNER

EVENT TITLE :National Level Technical Symposium "SPARKLE'22"

DATE: 15/09/2022 TO 16/O9/2022 **TIME:** 02.30 pm to 4.30pm

CHIEF GUEST: Dr. T. RUSO, Senior Project Lead, HCL Technologies



TECHNICAL EVENTS EVENTS

- Error Seeding (Debugging)
- HACK-A-THON (Hackathon)
- CONN-X-IONS (Technical Connections)
- PRESENT-A-THON (Paper Presentation)
- CROSS-EXAMINE (Stress Interview)

SCHOOL JUNIOR EVENTS

- Star-Up-Expo (Project Expo)
- Chaturanga (Chess)
- CONNE-X-IONS (Connections)
- Proprofs (Quiz)
- Natana (Dance)

NON-TECHNICAL EVENTS

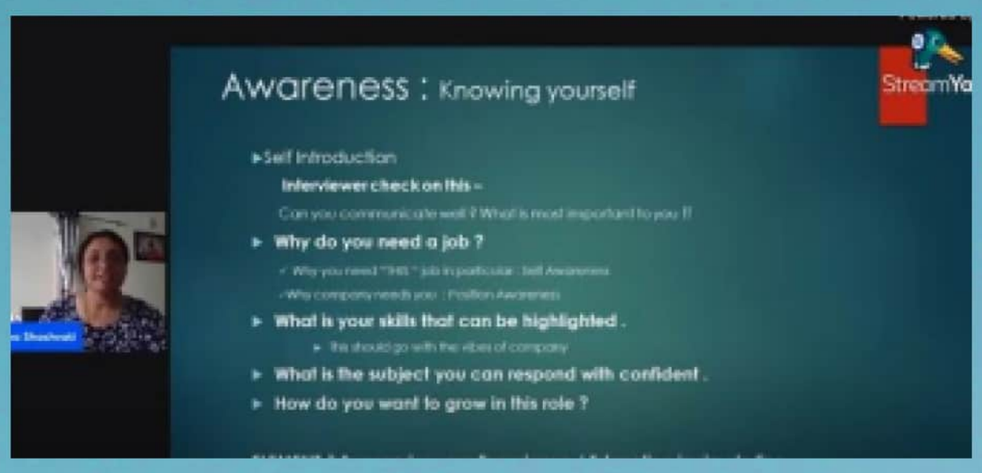
- REEL-IT (Reels)
- CHAINED-THE-RHYTHM (Adaptive Dance)
- Vilambara Idaivelai (Adzap)
- Pause-Play-Rewind (Channel Surfing)

EVENTS CORNER

EVENT TITLE: **Technology Talk on "Full Stack Development"**

DATE: 14/07/2022 **TIME:** 02.30 pm to 4.30pm

CHIEF GUEST: **Mr.D.Sathish, Tech Trainer, Jerusalem College of E ngineering**



EVENT TITLE: **Alumni Interaction series VIII on "How to face interviews in IT industries"**

DATE: 14/07/2022 **TIME:** 02.30 pm to 4.30pm

CHIEF GUEST: **Mrs. Sneha Shashvati, Assistant Manager,, Wipro Ltd., Bengalu**

EVENT TITLE: **Guest lecture on "Brain Computer Interface"**

DATE: 04/08/2022 **TIME:** 02.30 pm to 4.30pm

CHIEF GUEST: **Dr.M.Kiruthigadevi., Associate Professor, Faculty of Information Technology**

EVENTS CORNER

EVENT TITLE: Guest lecture on "Introduction to Machine learning"

DATE: 05/08/2022 **TIME:** 02.30 pm to 4.30pm

CHIEF GUEST: Dr. A. Joshi, Associate Professor, Faculty of Information Technology

EVENT TITLE: Workshop on "Dive Deep Into C++"

DATE: 05/09/2022 **TIME:** 09.30 pm to 4.30pm

CHIEF GUEST: Dr. T. Prabhu, Associate Professor, Deputy HOD, Department of Computer science.

ALUMINI CORNER

C.Deepak
Cluster Head- South, Techmind
Batch 2008-2012

Being a student of MGR was an outstanding experience in my four years of engineering. With the big dream of becoming an IT professional and getting placed in a reputed organization I have entered in my first year which has really came true only because of my teachers at MGR and because of the fact that the university had offered me a great place notonly for learning but gave me a wide exposure on research and development. We had so many college events, symposiums, conference, inter and intra college activities held which were all truly a memorable one. Proud to be the alumni of MGR university.

DEPARTMENT MEETING

MINUTES OF 1 ST QUARTERLY IQAC MEETING

Academic Year: 2022 – 2023

ODD - SEM (JUL 2022–DEC 2022)

MEETING DATE: 28.09.2021 **TIME**: 11.30 A.M

Department Journal Club Meeting Minutes

Journal Club Name: SRIDHAR VEMBU JOURNAL CLUB

Meeting Date: 28.09.2022

AWARDS AND ACHEIVEMENTS

Dr. N. Kanya and Dr. T. Nalini received the MGR PUBLISH999CHALLENGE Premium Research Award and were felicitated by our Hon. President on 22nd September, 2022.

Arun, Deepak Varoon Singh and Bharathmani of IV yr participated in the Singapore Autonomous underwater vehicle challenge and ranked Top 10 among 40 International teams.

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PLACEMENTS

2023 PASSING OUT

Mr.Sundhanshu Ranajan
B.tech(IT)
Web developer

Mr.Suraj kumar
B.tech(IT)
Cyber security

Mr.MD Gulzar
B.tech(IT)
Trainee-Java Full Stack Developer

Mr.Akask.B
B.tech(IT)
Trainee System Engineer

Mr.Praveen kumar.v
B.tech(IT)
Programmer Analyst Trainee

Mr.Navin Raj
B.tech(IT)
Programmer Analyst Trainee

Mr.K.N.Mithilesh
B.tech(IT)
Software Engineer

Salary:4LPA

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STARS OF Q3

FACULTY STAR

Dr.A.Joshi

Associate Professor

STUDENT STARS

Bharathmani.R

B.Tech IT 4th Year

Arun.S

B.Tech IT 4th Year

Deepak varoon singh.B

B.Tech IT 4th Year

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Mr.A.Kameshwaran
Assistant Proffesor

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B.tech IT III Year

Varshini.J
B.tech IT III Year

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