



**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 AND 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 OBJECTIVE [PEO's]

- Graduates will be able to
- PEO 1: Excel by taking up key roles in IT and related industries, Government organizations and academiathrough 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 anprofessional 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 [PEO'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 thedevelopment, implementation and management of IT system integrating multiple domains.
- Ability to understand and update current trends in web technology, distributed infrastructure, dataManagement, 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 or 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 opportunity to congratulate the students editorial team and our staff editors. Dr..DahliaSam and

Mr.A.Kameshwaran for their great effort to make this news letter as a reality. Also I invite the readers of "TECH the forthcoming this VoICE" for their Contribution and suggestions for issues. I wish good luck to the entire team of editors and look forward for your kind patronage to our newsletter.

*Dr.N.kanya*



# AWARD AND ACHIVEMENTS

## PLACEMENTS

### 2023 PASSED OUT

Mr.M.Bala chander  
department of IT  
Got seleted in "TalentSever"  
position:Full stack Engineer  
Salary: 4.8LPA(Includes variables)



### 2023 PASSING OUT



MS.T.Deepalakshmi  
department of IT  
Got seleted in "Exelcom Technology pvt.LTD"  
position:Tranied software engeneer  
Salary: 3.5LPA



MS.N.Vishali  
department of iT  
Got seleted in "Exelcom Technology pvt.LTD"  
position:Tranied software engineer  
Salary: 3.5LPA





# RESEARCH AND INNOVATION

## Publications

IT-Q2-25/06/2022

Apr- Jun 2022

- **Kiruthiga Devi, M.,** Veena Prasad Vemuri., Mahalakshmi Arumugam., UmaMaheswaran, S. K., Purnendu Bikash Acharjee., Rupali Singh. & Karthikeyan Kaliyaperumal. (2022). Design and Implementation of Advanced Machine Learning Management and Its Impact on Better Healthcare Services: A Multiple Regression Analysis Approach (MRAA). Computational and Mathematical Methods in Medicine. 2022(2489116). DOI: <https://doi.org/10.1155/2022/2489116>
- **Shobana, S.** (2022). Detection of Kidney Stones Using Machine Learning. Tierärztliche Praxis, 42(4).
- **Nithya, K.,** Vageshwaran, S., Vignesh, M. & Subash, P. (2022). Machine Learning and Deep Learning Based Algorithm to Segment the Brain Tumor. International Research Journal of Modernization in Engineering, Technology and Science, 4(4), p. 432-441.
- **Surya, U.,** Santhosh Kumar, V., Kotha Venkata Vasu. & Dinesh P. (2022). Bitcoin Price Analyze and Prediction Using Data Science Process. International Journal of Creative Research Thoughts, 10(4), p. 546-548.
- **Dahlia, Sam.,** Hariadharsh, S. & Yugenthiran, S. (2022). Securing Data in IoT Using Cryptography and Steganography Techniques. International Journal of Creative Research Thoughts, 10(4), p. 278-285.
- **Kameshwaran, A.** Face Emotion Based Training System for Children with System for Children with Autism. 7th National Conference on Recent Trends in AI & Data Science (ICON'22) at Chennai, 28th April.
- **Dahlia Sam.** Deep Learning Based Object Detection Improvement for Leaf Disease Prediction Using Android Application. 7th National Conference on Recent Trends in AI & Data Science (ICON'22) at Chennai, 28th April.
- **Kiruthiga Devi, M.** Machine Learning Architecture To Predict Server Performance. 7th National Conference on Recent Trends in AI & Data Science (ICON'22) at Chennai, 28th April.
- **Kiruthiga Devi, M.** Cryptography based Messaging Application for Data Privacy on Android Platform. 7th National Conference on Recent Trends in AI & Data Science (ICON'22) at Chennai, 28th April.
- **Kiruthiga Devi, M.** Certificate Less 0-RTT Anonymous AKA Protocol Based on Strong Protection Assurance in Cloud Computing. 7th National Conference on Recent Trends in AI & Data Science (ICON'22) at Chennai, 28th April.
- **Joshi, A.** Improved Comment Sentiment Analysis Method Using Deep Learning. 7th National Conference on Recent Trends in AI & Data Science (ICON'22) at Chennai, 28th April.
- **Nithya, K.** Machine Learning and Deep Learning Based Algorithm to Segment the Brain Tumor. 7th National Conference on Recent Trends in AI & Data Science (ICON'22) at Chennai, 28th April.
- **Kameshwaran, A.** Parking System Using IoT. 7th National Conference on Recent Trends in AI & Data Science (ICON'22) at Chennai, 28th April.
- **Vishal, M. A.** AMIGO – AI Voice Assistant. 7th National Conference on Recent Trends in AI & Data Science (ICON'22) at Chennai, 28th April.
- **Narayanan, P.L.** Three-Level Image Password Authentication System. 7th National Conference on Recent Trends in AI & Data Science (ICON'22) at Chennai, 28th April.
- **Tamilselvi, C.** IoT Based Smart Green House Farming. 7th National Conference on Recent Trends in AI & Data Science (ICON'22) at Chennai, 28th April.
- **Shobana, S.** Location Based Garbage Management System for Smart City. 7th National Conference on Recent Trends in AI & Data Science (ICON'22) at Chennai, 28th April.
- **Surya, U.** Bitcoin Price Analyze and Prediction using Data Science Process. 7th National Conference on Recent Trends in AI & Data Science (ICON'22) at Chennai, 28th April.
- **Dahlia Sam. & Kameshwaran, A.** Improved Educational Resource Sharing Website with Django. International Conference on Recent Advances in Fog and Edge Computing at Coimbatore, 25th & 26th April.

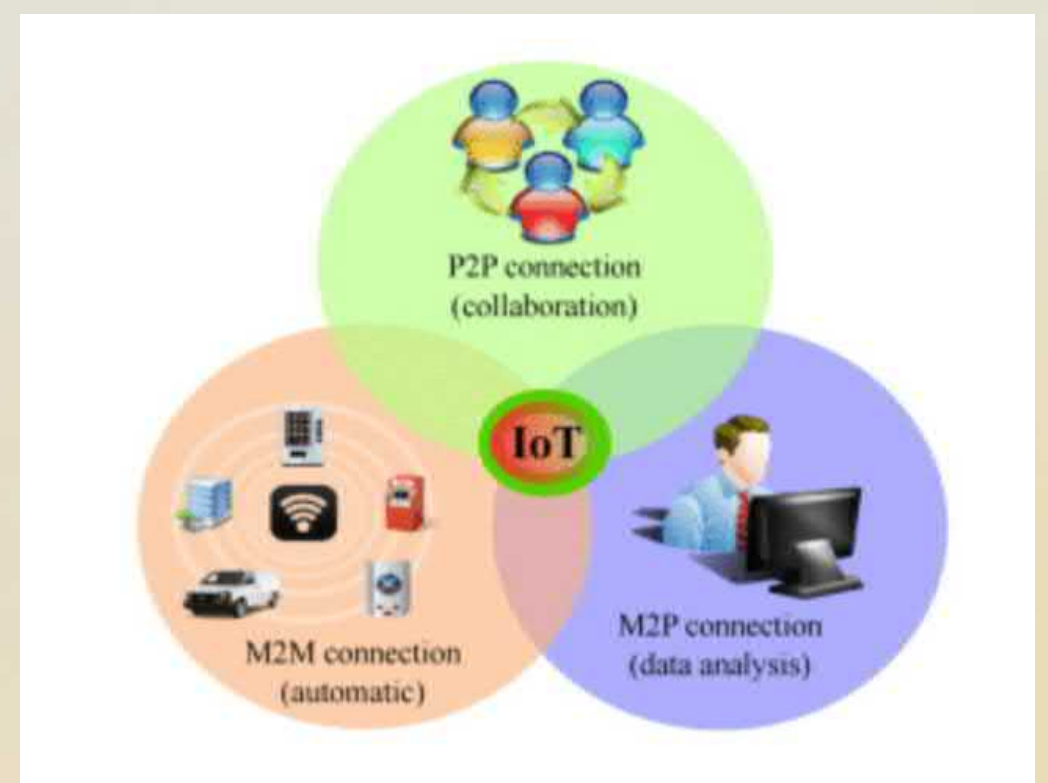


# STUDENTS CORNER

## Internet of things

Internet of Things (IoT) is a new paradigm that has changed the traditional way of living into a high tech life style. Smart city, smart homes, pollution control, energy saving, smart transportation, smart industries are such transformations due to IoT.

-M. Praveen Kumar 3rd year



## Cloud Computing



Internet of Things (IoT) is a new paradigm that has changed the traditional way of living into a high tech life style. Smart city, smart homes, pollution control, energy saving, smart transportation, smart industries are such transformations due to IoT.

-J.Varshini 3rd year

## Blockchain

Internet of Things (IoT) is a new paradigm that has changed the traditional way of living into a high tech life style. Smart city, smart homes, pollution control, energy saving, smart transportation, smart industries are such transformations due to IoT.

-P.Infanta Jose mary 3rd year

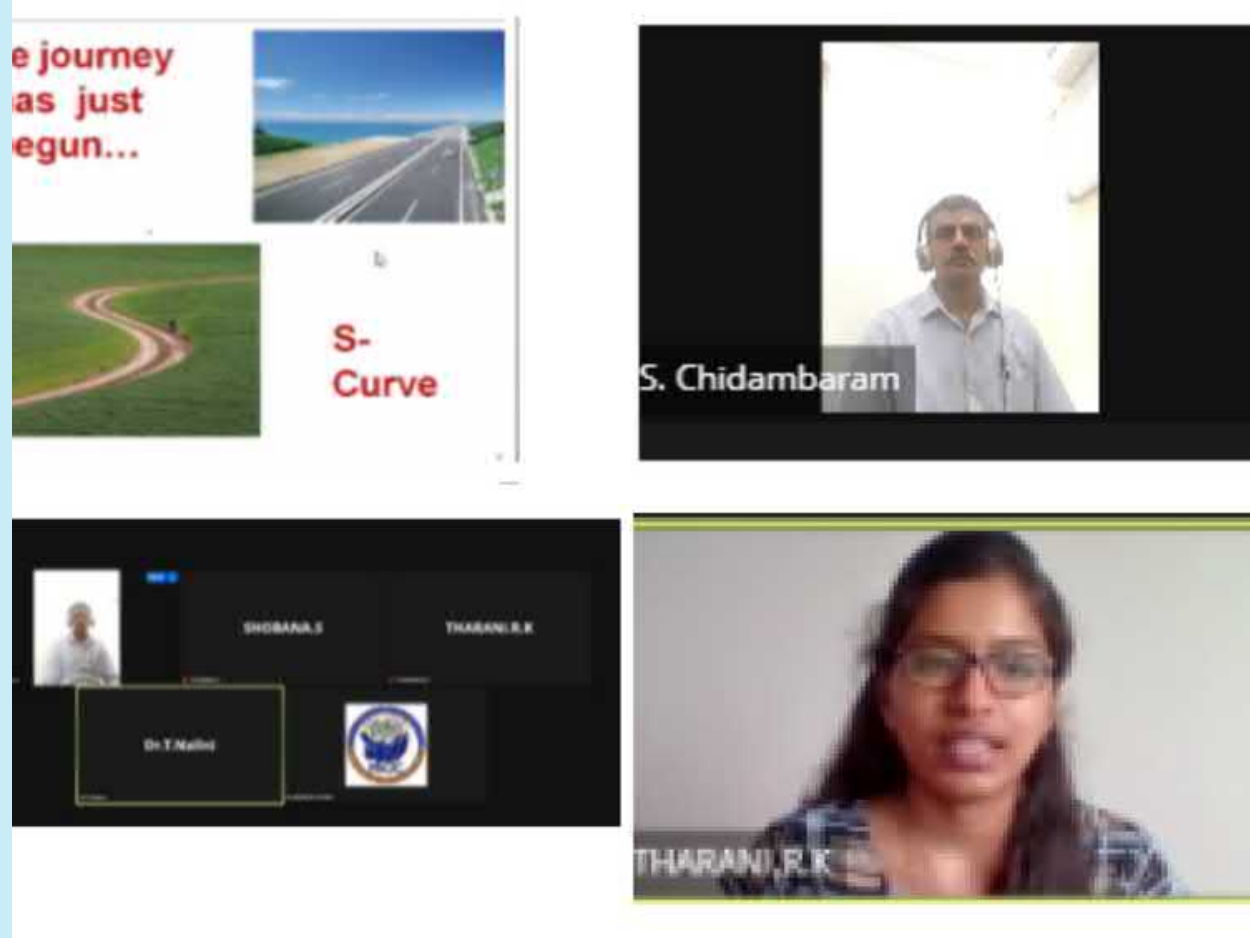




# EVENT CORNER

## ICON 22

The National Conference is aimed to provide a platform for academicians and researchers, scientists and industry experts to exchange and disseminate the developments and findings in science and technology. This conference focuses on the interaction between the theory and application.



## PERSONALITY DEVELOPMENT 22

Mr.S.Chidambaram gave a broad idea about the personality development He has explained about Competence and how to act in Managerial Roles.

## NSS CAMP 22

A seven day NSS special camp from Unit 1 and 2 of Dr.MGR Educational and Research Institute is in progress at CSI Primary School, Oragadam village. In Day 2 of the camp on 19.03.2022, morning initially the volunteers have cleaned the school premises.





# DEPARTMENT EVENT

## Machine Learning Using Python

The Department of Information Technology was a remote centre for STC on "Machine Learning Using Python" conducted by NITTR Chandigarh, from 28.03.2022 to 1.04.2022 between 9.30 a.m to 4.5 p.m.



## Alumni Corner

### \*Experience in MGR\*

Even today cherish those memories when I first joined this University with vivid dreams and ambitions with me. My experience here in this university makes me who I am today.

Friendly faculties helped me to go a long way. Special mention to Amudha ma'am,

Dr. Kannan Sir, Arunselvan Sir, Sabeena Ma'am and our beloved Dr. Kanya Ma'am (HOD) who helped me a lot during my project days also my project mentor Syed Ali Sir.

My college days went through crests and troughs. With supportive faculties behind I was having a clear idea about my goals. I had rich experience of learning here and enjoyed a lot with my friends around. This University had a more friendly environment around which helped me to explore on more ideas.

In one word if I could express about this university that this is a \*M\*agically \*G\*reat \*R\*oad towards your aspirations.



**Name: Jayashree Janani Purushothaman**  
**Batch: 2016-2020**

**Tata Consultancy Services (Kolkata)**  
**Assistant System Engineer**



# STARS OF Q2

## FACULTY STAR



**Dr.M.KIRUTHIGA DEVI**  
Associate professor

## STUDENT STARS



**Suraj Kumar**  
B. Tech IT 4th year



**THARANI.R.K**  
B.Tech IT 4th year



# EDITORIAL BOARD

## STAFF COORDINATORS

**Dr.Dahlia Sam**

[Assistant Professor]

**Mr.A.Kameshwaran**

[Assistant Professor]

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**SANTHOSH KUMAR.V**

[BTECH IT III Year]

**SheikShakeer.S**

[BTECH IT III Year]



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