About the college

Thangal Kunju Musaliar College of Engineering (TKMCE) is one of the premier institutions of national and international repute, established in 1958, as the first grant-in-aid Engineering College in the State of Kerala by the late. Janab A Thangal Kunju Musaliar, an Industrialist, Philanthropist and a great visionary.

TKMCE is the first government-aided engineering college of the state to be conferred autonomous status by UGC from the academic year 2022-23, offering UG programs in eight branches of engineering and architecture, ten PG programs and an MCA program. The College is an approved research center of APJAKTU for all streams and an approved QIP Centre of Ministry of Education (formerly, MHRD) for Mechanical and Civil Engineering. There are 200 plus faculty members and 150 technical and ministerial staff in the college. The college has the highest annual student intake (more than 1000) among all peer level institutions in the state. The college carries NBA accreditation to all B.Tech programs and two M.Tech programs. The NAAC has accredited the college with 'A' grade and in NIRF, the college has been included in the band of 201-250 in the year 2019.

Vision

Excellence in education and research with socio-economic and environmental outlook.

Mission

- To offer state-of-the-art Undergraduate, Postgraduate and Doctoral programmes.
- To enhance knowledge by engaging in cutting edge research and by undertaking collaborative projects with industry.
- To instill ethical, social and environmental perspectives in designing systems for sustainable development.
- To nurture creativity, self learning and interpersonal skills.

Registration Details

forms.gle/evSmQSUwpzdro8dh8

🌐 https://tkmce.ac.in/

*Register before 13th January 2023

Coordinators

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TKM COLLEGE OF ENGINEERING, KOLLAM
Government Aided & Autonomous Institution

JANUARY 2023
16TH **-20**TH

APJAKTU Sponsored Faculty Development Programme on Current Trends in Cyber Security

Organized by
Department of Computer Science and Engineering

Vision

To be a centre of excellence imparting quality education in Computer Science and Engineering and transforming students to critical thinkers and lifelong learners capable of developing environment friendly and economically feasible solutions to real world problems.

Mission

- To provide strong foundation in Computer Science and Engineering, prepare students for professional career and higher education, and inculcate research interest.
- To be abreast of the technological advances in a rapidly changing world.
- To impart skills to come up with socially acceptable solutions to real world problems, upholding ethical values

About the Programme

Cyber security is the body of technologies, processes, and practices designed to protect networks, computers, and data from attack, damage, and unauthorized access. Increased Internet penetration for applications such as e-Governance, e-Commerce, e-Banking, digital payments, e-Learning, smart cities etc, has resulted in an exponential rise in sophisticated attacks on Information Technology (IT) infrastructure. In a bid to stave off e-criminals, organizations are increasingly investing in ramping up their digital frontiers and security protocols, however, many are still put off by the costs, or by the bewildering range of tools and services available. This has lead to Cyber Security as an essential aspect to make aware of the challenges and methods to meet the new age attacks to secure our computers and networks. The objective of this FDP is to introduce fundamentals to promote a solution based research approach in cyber security through expert sessions and hands-on training among faculty academicians, industry personnel and researchers.

About the Department

The Department of Computer Science & Engineering established in the year 1984 was the first CSE department introduced in Kerala. For the last three decades, the department has been imparting state-of-the-art education, training and research in the field of computer science and allied areas and regularly producing outstanding professionals. The department offers B.Tech, M.Tech and PhD programmes with excellent infrastructure and well qualified and experienced faculty. The UG Programme of the Department is accredited by National Board of Accreditation (NBA) for 3 years in 2022, and has an intake of 120 students. Research activities are carried out in the department in various fields like Theoretical Computer Science, Data Analytics, Networking, Remote sensing, and Biomedical Image Processing.

Course Contents

- Introduction to Cyber Security
- Web Application Security
- Ethical Hacking
- Cyber Forensic and Social Engineering
- Cloud Security
- Network Defense and Countermeasures

Resource Persons

1. **Dr. R. Ananthalakshmi,** (Former Senior Director & Head, Cyber Security Group, CDAC, TVM) Chief Consultant, State Digital Health Mission, Dept of Health & Family Welfare, Govt of Kerala
2. **Dr. Vipin Pavithran** Cyber-security Professor at Amrita Center for Cyber security Systems and Networks, Amrita Vishwa Vidyapeetham.
3. **Dr. Sree Vivek S.**, Technical Architect (Device R&D), ICU Medical LLP, Chennai
4. **Mr. Satheesh Kumar**, Scientist 'E', Cyber Security Group, CDAC, Trivandrum
5. **Ms. Dija S.**, Scientist 'E', Cyber Security Group, CDAC, Trivandrum
6. **Dr. S. D. Madhukumar**, Professor, Department of CSE, NIT Calicut
7. **Dr. Priya Chandran**, Professor, Department of CSE, NIT Calicut
8. **Dr. Gilesh M. P.**, Professor, Department of CSE, College of Engineering, Wayanad
9. **Mr. Ashok P.,** Cyber Security Expert, Proveninfosec Pvt. Ltd., Former Information Security Consultant
10. **Dr. D. Sreekanth**, Knowledge Officer, ICT Academy, Trivandrum