	Faculty Development Program	

Title : Internet of Things a Practical Approach

Date : 2024-10-14 - 2024-10-18
Time : 10:00 - 17:30
Venue : SJT 212

Event Outcome

- Hands-On Experience with IoT Prototyping and Development
- In-Depth Understanding of IoT Architecture and Protocols
- Ability to Develop and Teach IoT Curriculum
- Develop IoT Solutions through Collaborative Projects
- Enhance Skills in IoT Data Management and Analytics

	Resource Person 1 - Details **Name :** Pandidurai N **Designation :** Principle Engineer, Tenet Technetronics **University/ Company :** Tenet Technetronics, Tenet Technetronics **Address :** India, 560104.
	Resource Person 2 - Details **Name :** Sathurappan N **Designation :** Chief Strategist, Tenet Technetronics **University/ Company :** Tenet Technetronics, Bengaluru **Address :** India, 560104.
	Resource Person 3 - Details **Name :** Harish Vardhana **Designation :** Director , KALM **University/ Company :** Robotics and Innovations Pvt Ltd, Chennai **Address :** India, 600041.
	Resource Person 4 - Details **Name :** Samuel Tensingh **Designation :** Associate Lecturer, Biomedical Engineering **University/ Company :** University of Sydney, Sydney **Address :** Australia, 2055.
	Resource Person 5 - Details **Name :** Jothish Kumar M **Designation :** Assistant Professor Sr. Grade 2, School of Computer Science Engineering and Information Systems **University/ Company :** VIT, Vellore **Address :** India, 632014.
	Resource Person 6 - Details **Name :** Iyapparaja M **Designation :** Professor Grade 1, School of Computer Science Engineering and Information Systems **University/ Company :** VIT, Vellore **Address :** India, 632014.
	Resource Person 7 - Details **Name :** Pradeep M **Designation :** CoFounder, KALM **University/ Company :** KALM Robotics Automation Pvt Ltd, Chennai **Address :** India, 602024.

Resource Person's Profile :

1. Profile of Pandidurai N

Mr. Pandidurai N is a Principal Engineer at Tenet Technetronics, Bengaluru, with over 15 years of expertise in the field of Industrial IoT (Internet of Things). Throughout his career, he has contributed to the design, development, and deployment of cutting-edge IoT solutions across various industrial sectors. His extensive experience spans hardware design, embedded systems, sensor integration, and IoT data management, making him a key player in driving innovation and automation in the industria

2. Profile of Sathurappan N

Mr.Sathurappan N having more than 20 years experience in industry. He was a Core Founding member of the Tenettronics group. The company believes in delivering value through good principles TENET an interesting palindrome. More than 3 decades of proven track in mentoring and guiding student research group towards innovative project based learning and publish technical content in esteemed technical forum.

3. Profile of Harish Vardhana

Mr,Harish Vardhana having 11 years of experience which include 8 year of Industry experience and 3 years of entrepreneurship journey in Robotics, AI and Technology-driven projects. He is the Founder and CTO of KAL-M Robotics and Innovations. He and his team designed and deploy the first real-time tobotcop for the Chennai city police, a breakthrough innovation for patrolling in lockdown period. He has also worked as Associate Lead at Cognizant from August 2014 to 2018.

4. Profile of Samuel Tensingh

Mr.Samuel Tensingh is an Associate Lecturer at the university of Sydney Australia, He has around 15 years of experience in which 14 years at VLSI Design (Backend implementation) in the Semiconductor Industry of Singapore(Avago Technology, Broadcom ST Microelectronics).He was a Senior Member of IEEE and have been associate with more than 50 Engineering Societies worldwide. AS an academician he have been associated with more than 200 engineering institutions across globe sharing knowledge .

5. Profile of Jothish Kumar M

Dr.M.Jothish Kumar, Assistant Professor Senior, Department of Smart Computing ,School of Computer Science Engineering and Information Systems, Vellore Institute of Technology, Vellore. Additionally he holds the responsibility as Technical Lead for Department of Police, Tiruvannamalai District, TN, INDIA.. He has been in professional field for more than 15 years and has served in various capacities.

6. Profile of Iyapparaja M

Dr. M.IYAPPARAJA has 16.5 years of teaching experience. He received the Undergraduate Degree B.E (Computer Science and Engineering) and M.E M.E (Computer Science and Engineering) from the Anna University, Coimbatore. He received University Rank holder and Gold medal award in his PG Degree He completed his Ph.D. in 2015.

7. Profile of Pradeep M

Pradeep is the co-founder of KAL-M Robotics and Innovations Pvt Ltd, had a total experience of 10 years,9 years of Industry experience with various responsibilities. He is specialized in process optimization and building scalable innovation ecosystems. Earlier he was a help desk analyst at Sitel Group from February 2015 to September 2016.He also worked at Wipro as a Analyst from Jan 2017 to June 2018.He was also a senior technical support specialist at NTT Data from Nov 2020 to July 2022.

A Practical Approach aims to equip educators, researchers, and professionals with in-depth knowledge and hands-on experience in IoT technology.

With the rapid advancements in connected systems and smart devices, IoT has become a crucial area of study and application across various

industries such as healthcare, manufacturing, smart cities, and agriculture.

This FDP focuses on providing participants with a solid foundation in IoT architecture, device connectivity, data management, and real-time

analytics.

Arduino IDE, Arduino IoT Cloud platform , MakeCode for Microbit

Coordinator's: **Prof. JOTHISH KUMAR M 19726 - Assistant Professor Sr. Grade 2 - SCORE**
Prof. IYAPPARAJA M 14036 - Professor Grade 1 - SCORE