



**Dr. Y.C. James Yen Govt Polytechnic,
Kuppam**



JIGNASA

-The Quest

**What engineering wonders are
set to steal the spotlight at
events in 2023-24?**



COMPUTER

Merge hardware and software for tomorrow's tech wonders, where bytes meet brilliance in the digital frontier.

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Breathe life into circuits, powering devices that shape our lives—where electrons dance, igniting innovation.

ELECTRONICS AND COMMUNICATION

Master electricity's dance, forging pathways of communication—where signals traverse, connecting worlds.



MECHANICAL

Crafting the machines that move us forward, from sky to earth—where gears turn dreams into reality.





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-The Quest

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From the Principal's Desk...

The spark of knowledge, intuition, and creativity will keep on flickering innately and all that is needed to sustain it is fueling it with consistent hardwork, patience, and commitment.

In this context, I am delighted to bring forth before you our College's Magazine entitled, "JIGNASA – THE QUEST" once again during the academic year 2023-2024.

It contains information on several interesting, innovative Projects, Workshops, Seminars, Paper Presentations, and industrial visits that our institute conducted as well as about those in which the students of our college participated outside our institute.

I would like to extend my heartfelt thanks to Smt.C.Nagarani garu, the Commissioner of Technical Education, Sri.V.Padma Rao garu, the Joint Director of Technical Education, Sri.A.Nirmal Kumar Priya garu, the Regional Joint Director, SVU Region for their persistent efforts to promote the cause of Technical Education.

I would also like to extend my thanks to the Heads of various sections and the Staff members who were instrumental in conducting Workshops/Seminars and motivating the students to prepare innovative projects. I would also like to extend my heartfelt thanks to the Magazine Committee for coordinating and bringing forth this Magazine.

I would like to appreciate the student community for their participation in Technical events to showcase their creative ideas. I wish them to sustain this "Quest" in future too to embark on a mission of technical brilliance.

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Unraveling Technological Marvels: A Journey through Workshops of Innovation and Discovery

Snippets

- **Cloud Computing and Quantum Technology Workshop Summary:**

Sri T. Mahesh, an Enterprise Data Architect at Tech Mahindra, led an enlightening two-day National workshop focusing on cloud computing and quantum technology. Participants explored the potential of these cutting-edge technologies to revolutionize industries through engaging discussions and hands-on sessions. Sri Mahesh's expertise broadened horizons and inspired attendees to explore the limitless possibilities of cloud and quantum technologies.

- **IoT Workshop Summary:**

Hosted collaboratively by the ECE and CME departments at Kuppam Engineering College, a dynamic two-day workshop immersed participants in the world of IoT. Led by Dr. Santhosh B. Panjagal and Sri M. Lakshmi Pathi, the workshop covered IoT fundamentals, hardware and software tools, programming, and controlling actuators. Hands-on sessions provided practical expertise, empowering attendees to navigate the ever-evolving IoT landscape.

- **Modern Sensors and Data Acquisition Workshop Summary:**

Dr. Y.C. James Yen Government Polytechnic, Kuppam, hosted a two-day hands-on workshop on modern sensors and data acquisition. Organized collaboratively by the Departments of Electrical & Electronics Engineering and Mechanical Engineering, the workshop explored Arduino microcontrollers, sensor interfacing, and data analysis. Participants gained practical insights essential for today's tech landscape.

- **Mathematical Skills Workshop Summary:**

Dr. Y.C. James Yen Government Polytechnic, Kuppam, hosted an innovative workshop focused on unlocking mathematical skills through cognitive and creative methods. Led by renowned resource person H. Arunasiva Prasad, the workshop transformed mathematics into an exciting adventure filled with puzzles, games, and cognitive challenges. Participants mastered essential mathematical skills while exploring cognitive abilities, leaving inspired and empowered.

- **Exploring Space with ISRO Scientists:**


ECE students were treated to an enlightening session by ISRO scientists K. Mohan Babu and Swetha. Attendees embarked on a journey through the cosmos, unraveling rocket and satellite mysteries. Delving into satellite launches and orbit adjustments, guided by Kepler's laws, participants gained profound space exploration insights. The session also showcased Chandrayaan's achievements, leaving the audience inspired.

Department Of Computer Engineering

Tech Tales: Exploring Cloud and Quantum Tech with Sri T. Mahesh

During an enlightening two-day National workshop held on the 18th and 19th of 2023, Sri T. Mahesh, an Enterprise Data Architect at Tech Mahindra, graced our college with his expertise. With a focus on cutting-edge technologies, Sri Mahesh guided students through the intricate realms of cloud computing and quantum technology. Through engaging discussions and hands-on sessions, attendees delved into the potential of these technologies to revolutionize various industries. Sri Mahesh's insights not only broadened horizons but also inspired participants to explore the limitless possibilities of cloud and quantum technologies.







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Two-day National Workshop
on
"CLOUD AND QUANTUM TECHNOLOGIES"
Organized by
Department of Computer Engineering



Venue
Virtual class Room



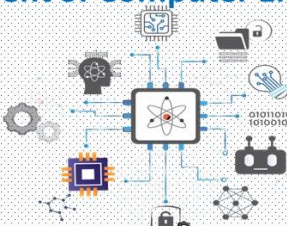
Date
18th & 19th
August
2023



No Registration fee



Sri. T. Mahesh
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Department Of Computer Engineering & Electronics and Communication Engineering

Exploring the IoT Frontier: A Collaborative Workshop

Embark on an enlightening journey into the world of IoT with a dynamic two-day workshop hosted collaboratively by the ECE and CME departments at Kuppam Engineering College. Led by esteemed resource persons Dr. Santhosh B. Panjagal and Sri M. Lakshmi Pathi, both Associate Professors in ECE, this immersive experience on September 1st and 2nd delves into IoT fundamentals, hardware and software tools, account creation, device registration, programming, and controlling actuators. Participants engage in hands-on sessions, gaining practical expertise in uploading sensor data onto IoT platforms. This workshop not only fosters deep insights but also empowers attendees with tangible skills crucial in navigating the ever-evolving IoT landscape.



Department Of Mechanical Engineering & Electrical and Electronics Engineering

Unveiling the Future: A Hands-on Workshop on Modern Sensors and Data Acquisition

Immerse yourself in the cutting-edge world of sensor technology and data acquisition at the upcoming two-day hands-on workshop, "Modern Sensors and Data Acquisition," hosted by the renowned Dr. Y.C. James Yen Government Polytechnic, Kuppam. Organized collaboratively by the Departments of Electrical & Electronics Engineering and Mechanical Engineering, in association with the IEI Student Chapter, this workshop promises an exhilarating journey into the realm of Arduino microcontrollers, sensor interfacing, and data analysis. From introductory sessions on Arduino programming to in-depth explorations of sensor applications, participants will gain practical insights and skills essential for today's tech landscape. Whether you're a novice or a seasoned enthusiast, this transformative workshop offers an unparalleled learning experience. Open to faculty, students, and industry professionals from diverse engineering backgrounds, join us for an unforgettable adventure in innovation and discovery!



Department Of General Section

Unlocking Mathematical Marvels: A Cognitive Adventure Workshop

Embark on an exhilarating journey to unlock the mysteries of mathematics through the innovative workshop, "Mathematical Skills through Cognitive and Creative Methods & Techniques," hosted by Dr. Y.C. James Yen Government Polytechnic, Kuppam. Dive into a world where mathematics transforms from a daunting subject into an exciting adventure filled with puzzles, games, and cognitive challenges. Led by renowned resource person H. Arunasiva Prasad, participants will explore the cognitive abilities of observation, memory, multitasking, and creativity, all while mastering essential mathematical skills. From generating inquisitiveness through engaging activities to providing hands-on experiences, this workshop promises a transformative learning experience that will leave participants inspired and empowered. Join us for a day of discovery, entertainment, and erudite mastery, as we redefine the way mathematics is learned and enjoyed!



Department Of Electronics and Communication Engineering

Journey to the Stars: Exploring Satellites and Space Missions with ISRO Scientists

Embark on a captivating journey into the depths of space exploration as the ECE department welcomed distinguished guests, ISRO scientist K. Mohan Babu and Swetha. With unparalleled expertise, they unraveled the mysteries behind rockets, satellites, and the intricate maneuvers required for space missions. From the awe-inspiring journey of satellites into space to the intricacies of orbit adjustments using Kepler's laws, every detail was meticulously explained. Delving into the behind-the-scenes of satellite missions, attendees were enthralled by insights into data collection procedures and the meticulous planning preceding satellite launches. The highlight of the event was the riveting presentation on Chandrayaan's journey, accompanied by captivating videos and compelling visuals. March 16, 2024, marked not just a day of learning, but a thrilling adventure into the cosmos, leaving attendees inspired and eager for more.

