

SEMESTER NEWSLETTER OF CSE DEPARTMENT, GCE KANNUR

Our Vision

"To be a centre of excellence in the field of computer science & engineering education and research, which extends its appreciated services to the industry and the society."

Our Mission

"To develop engineers with excellent analytic, design and implementation skills, who can expertise themselves as computer professionals, research engineers, entrepreneurs or as managers, while fulfilling their ethical and social responsibilities, in a globally competitive environment."



Shilpa Rajeev of S7 CSE was awarded the **Carolyn Leighton Scholarship**. The scholarship is awarded to students in APAC to attend WITI's 27th Annual Global Summit held virtually between June 22-24, 2021.

Shilpa Rajeev along with her team- 'TEAM MARVEL' ranked **FIRST** in the **#MJFCODE19 Hackathon** organized by the Motwani Jadeja Foundation from 10 to 13 April, 2020.



Anagha N of S7 CSE was awarded the prestigious **Richard E. Merwin Student Scholarship 2020**, for demonstrating outstanding involvement in an IEEE Computer Society Student Chapter, excellence in academic achievement and promise in future efforts.

Anagha N was presented the **IEEE India Council Outstanding Volunteer Award 2020** for being an enthusiastic student volunteer in Kerala Section, demonstrating leadership, administrative skills, and commitment to technical development.



Lavanya E V of S7 CSE was conferred with the **Upsilon Pi Epsilon Honor Society Award** by IEEE Computer Society as encouragement for her academic excellence.

Lavanya E V was awarded the **Outstanding WiE Volunteer Award** at IEEE Malabar Subsection Awards 2021.

Lavanya E V was awarded the **Grace Hopper Celebration Student Scholarship** to attend the 2021 Virtual Grace Hopper Celebration from Monday, Sep. 27 to Friday, Oct. 1.



Abhinand C of S7 CSE won the **Third Prize** at the **Siemens MakeITReal Hackathon, 2019** for his project- 'Deepvision'.

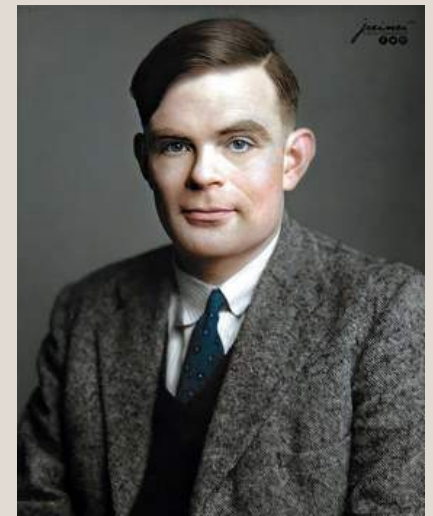
Abhinand C along with his team- 'TEAM MARVEL' ranked **FIRST** in the **#MJFCODE19 Hackathon** organized by the Motwani Jadeja Foundation from 10 to 13 April, 2020.

Abhinand C received a Certificate of Appreciation for his Outstanding Performance in **HackP 2021 International Hackathon** organized by the Kerala Police Cyberdome on September 2021.



Innovator Spotlight

Alan Turing



Alan Turing (1912-1954) was a brilliant British mathematician, logician, and computer scientist, best known for his pioneering work during World War II as a codebreaker at Bletchley Park. He played a crucial role in deciphering the German Enigma machine, greatly aiding the Allied efforts. Turing's work laid the foundation for modern computer science and artificial intelligence. He also proposed the concept of a theoretical machine, known as the "Turing machine," which became a fundamental concept in the study of computability and algorithms.

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ACCOLADES



Vismaya B of S3 CSE won the First Prize in 'Bind Your Business' conducted by IEEE SB GCEK



Aparna V of S1 CSE won the First Prize in 'Dev it up' conducted by Robocek



Arshad Danish of S5 CSE was selected to volunteer as the Webmaster of IEEE Computer Society Kerala Chapter



Ramnath Shenoy B of S3 CSE won the Second Prize in 'Portfolio Website Contest' conducted by IEEE Computer Society Kerala Chapter



Nikhila P of S2 CSE won the First Prize for 'Oil Painting' & 'Water Color' competition in the Arts Festival



Pournami K K of S5 CSE was selected to volunteer as the Malabar Hub Student Representative of RFID Council Kerala Section

Expressions

COVID Tech Review: Innovations That Shaped the Pandemic Era

The COVID-19 pandemic reshaped our world, and technology emerged as a powerful ally in the fight against the virus. From tracking and tracing to vaccine development, various technological innovations played pivotal roles in managing the crisis.

Contact tracing apps quickly gained traction, helping health authorities identify potential infection hotspots. Remote health monitoring devices allowed patients to receive care from the safety of their homes, easing the burden on overwhelmed healthcare systems.

Artificial intelligence and data analytics facilitated real-time analysis of vast datasets, providing valuable insights into the virus's spread and potential treatments. Researchers used high-performance computing to accelerate vaccine development, culminating in record-breaking vaccine approvals. Telemedicine soared, connecting patients with healthcare professionals virtually. Video conferencing platforms became indispensable for work, education, and social interactions.

While technology mitigated the pandemic's impact, ethical concerns and data privacy issues emerged. As we adapt to the post-pandemic era, a careful review of these technologies' implications is essential to build a resilient, tech-enabled future.



Vedika Aneesh
S1 CSE

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SEMESTER TOPPERS

**S
E
M
4****Habeeba M K**
9.86**Mathews Roopesh**
9.82**Sreeragh S**
9.82**S
E
M
5****Sharanya C**
9.91**Akshay Krishnan**
9.91**Lavanya**
9.87

Industry 4.0: The Future of Smart Manufacturing

Industry 4.0 is ushering in a new era of manufacturing through the integration of cutting-edge technologies. IoT, AI, big data, and automation converge to create smart factories, optimizing production processes, reducing costs, and boosting productivity. Real-time analytics offer invaluable insights, enabling data-driven decision-making and rapid adjustments.

AI-driven automation empowers machines to learn from data, detect anomalies, and predict maintenance needs, minimizing human errors and downtime. Additive manufacturing revolutionizes prototyping and customization, speeding up product development cycles and encouraging innovation.

Beyond manufacturing, Industry 4.0 is transforming various sectors. Healthcare benefits from wearable health devices and personalized treatments, while logistics and supply chains become agile with real-time data and predictive analytics.

Despite the transformative benefits, Industry 4.0 presents challenges like cybersecurity risks and the need for upskilling the workforce. However, companies embracing this revolution will gain a competitive edge, drive economic growth, and foster a sustainable and interconnected future. Adaptation and strategic use of technology are the keys to thriving in the Industry 4.0 landscape.

