

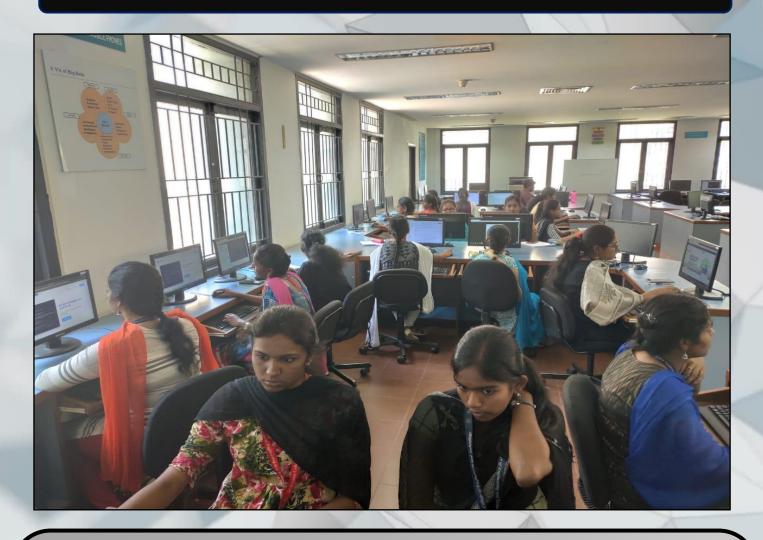


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PLACEMENT- ACCENTURE HACK DIVA CONTEST



Accenture Hack Round 2 was held @ SKCET Labs for girl students today.

About the Event:

Accenture Hack Diva aims to bring together the brightest engineering women students and celebrate their passion for technology.

Two online rounds were conducted wherein complexity increased round by round. Students can choose their preferred language to code out of the 35+ programming languages on the platform. Top 3 women students from Engineering Colleges with the highest cumulative score from both the rounds will be announced as winners of the contest.



PLACEMENT- ACCENTURE HACK DIVA CONTEST





HACK DIVA SEASON 3

Hackathon for women in engineering





MECH - GUEST LECTURE ON ADVANCES IN AUTOMOTIVE INDUSTRIES



Department of Mechanical Engineering in association with Society of Automotive Engineers (SAE India SKCET Collegiate club) organized a lecture 'Advances **Automotive** Industries'. Guest in on В. Arun Muthu. Research Engineer, Functional Development Mr. Department, ZF - AG, Germany was the resource person of the event. The lecture was on the advancements in Automotive Industries. Students were also given awareness on the Importance of Smart connected vehicles and topportunities in industries.



MECH - GUEST LECTURE ON ADVANCES IN AUTOMOTIVE **INDUSTRIES: GLIMPSES**

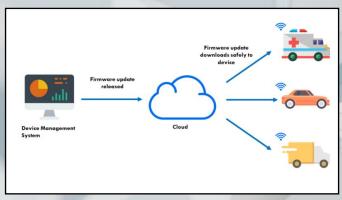






ECE - GUEST LECTURE ON 'FIRMWARE UPDATE OVER THE AIR'







Department of **ECE** organized a Guest Lecture for the Second year students on 'Firmware Update over the Air' (FOTA), a session on the emerging benefits in the field of Autonomous vehicles. Mr. Kathirvelu Saminathan, Function Safety Engineer, Robert Bosh, prominent alumnus of the Department (2014) was the resource person. A brief lecture on how function safety can be diagnosed remotely and preventive measures through data acquisition were deliberated the students.



IT - ZOHO CREATOR CERTIFIED ASSOCIATE **PROGRAMME: DAY 3**









Second year students from the Department of CSE and IT actively participated in the Day 3 of the Zoho Creator Certified Associate Programme, organized by the Department of Information Technology. The students were given a hand - on session on Zoho Creator tool and soft skills training by Ms.Sowmya J, Head-Training & operations, ITK Educational Services Pvt.Ltd.



CSE - SEMINAR ON 'PATHWAY FOR PURSUING HIGHER EDUCATION ABROAD'









As a part of Saturday Activity, a seminar on 'Pathway for pursuing Higher Education Abroad' was organized by the Department of Computer Science and Engineering for the Second year students. The session was handled by Emerson Admissions, Coimbatore Mr.V.Arjun, Consultant, higher opportunities abroad, scholarships, expertise available and education prospectives for continuing education and career opportunities.



MECH - GUEST LECTURE ON ELECTRIC VEHICLE DYNAMICS



Department of Mechanical Engineering in association with Society of Automotive Engineers (SAE India SKCET Collegiate club) organized a guest lecture on 'Electric Vehicle Dynamics & Smart Connected Automations in Industries'. Mr. Umang Surana, Strategy & Growth head, Elite Techno Groups was the resource person of the event. In his lecture, he briefed the students about the basics of Electric vehicle dynamics. Students also gained knowledge on the design, development, and fabrication of the Electric Vehicles.



MECH - GUEST LECTURE ON ELECTRIC VEHICLE DYNAMICS: GLIMPSES





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CSBS - KNOWLEDGE SHARING: SNAP TALK







As a part of class room activity, a knowledge sharing- snap talk session was facilitated by Mrs.G.Ignisha Rajathi, Assistant Professor, Department of CSBS. Student teams participated with great interest and presented their topics to the peer group.

Title: Logical Storage and its connectivity

Team Members: Hema Dharshini P and Nithish S

Title: World Wide Web Storage

Team Members: Yogeshwaran R and Dharika P



EEE- FINAL YEAR PROJECT REVIEW





Third project review was conducted for the Final year students of EEE 'A'. Team of faculty members along with the project coordinator reviewed the demonstration gave valuable suggestions for hardware and further improvement in the output of the project.



CIVIL - OUTSIDE CLASSROOM LEARNING







As a part of Outside Class Learning Experience, Second year students from the Department of Civil Engineering visited a construction site near Selvapuram, under TNSCB pertaining to the subject 'Design of Reinforced Concrete'. Students gained knowledge on the following areas:

- Reinforcement details in column, water tank, beam
- Construction details of slab, plinth beam, lintel beam, lightweight bricks.



CIVIL - OUTSIDE CLAASROOM LEARNING :GLIMPSES







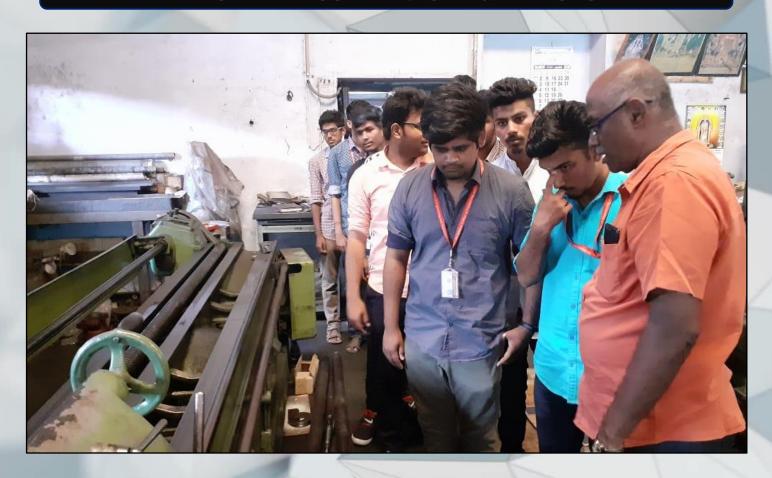
MECH - INDUSTRY VISIT



As a part of Outside Classroom Learning activity, an Industrial visit to Prakash Gears, Coimbatore was organised by the Department of Mechanical Engineering to the Second year students pertaining to the subject-Manufacturing technology II. Students gained a practical experience on manufacturing various other and aspects of machining process. Mr. Vigneshkumar, and Mr. R. Arun Kumar, Assistant Professors, Mechanical Engineering accompanied the students.



MECH - INDUSTRY VISIT: GLIMPSES





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SOM - GUEST LECTURE ON 'INTERNATIONAL BANKING AND PERSONALITY DEVELOPMENT'







Mr.R.Kirubakaran, Branch Manager, State Bank of India, Kuniamuthur, addressed the First year MBA students on the topic 'International Banking and Personality Development' on 13.03.2020.



ECE- GUEST LECTURE ON HIGHER STUDIES



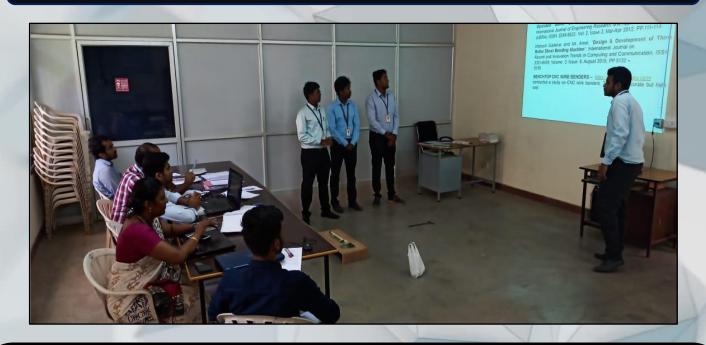




Department of ECE organized a guest lecture on 'A Perspective on Higher Studies'. The session was handled by Mr. Vijwat Pahwa, Academic Associate Engineer, ACE Academy, Hyderabad. He gave an outlook on the key ways to crack GATE in the primary attempt. Students interacted with the expert on the opportunities available.



MCT-INDUSTRIAL PROJECT REVIEW



Third Industrial project review was conducted for the Final year students of Mechatronics Engineering Department. 22 student batches presented their industrial project to the panel members. Students were reviewed on the working of the project and status of journal submission. Suggestions were given by the panel members to improvise the projects for better output.



Design and Fabrication of **Automated Adhesive Dispenser**



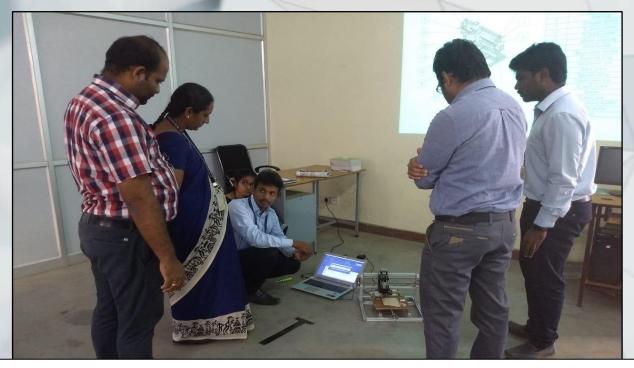
Design and Fabrication of Spritz Bot



MCT- INDUSTRIAL PROJECT REVIEW: GLIMPSES



Design and Fabrication of Automated Mechanism for Chemical Pre-Treatment Process in Powder Coating.



Design and Fabrication of Automatic Inspection of Welding Electrode.



ECE - EXPERIENCE SHARING SESSION BY SOLITON PLACED STUDENTS

Third year Boot camp registered students of ECE department addressed the Second year students on the Bootcamp Screening Test process. The students shared valuable information and strategies on the important topics of focus and the ways to crack the test.









EEE- SPORTS ACCOLADE







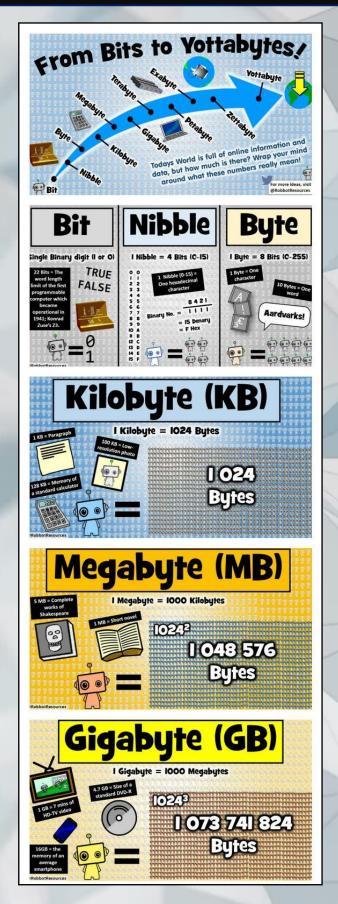
Haricharan D.V, Third year student from EEE 'A' was rewarded as the 'Best

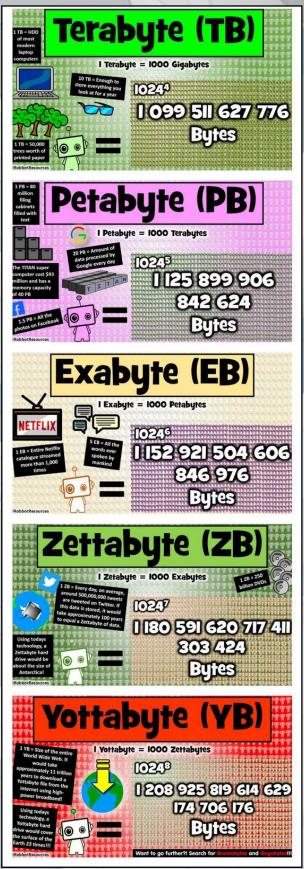
Player' in Chess (Men) category at Pramotsava, Annual Sports event of

SKCET.



TECHNOGRAPHICS – FROM BITS TO YOTTABYTES







MECH - WORKSHOP ON IMPACT OF AUTOMATION IN INDUSTRIES



Department of Mechanical Engineering in association with Society of Automation and Robotics organized a Workshop on 'Impact of **Automation** in Industries'. Mr.P.Tatavaratharajapermal, Consultant Trainer, VLAND'S Best hub private Itd., and Mr.Sathish Kumar, Zonal Manager, VLAND'S Best hub private Itd were the resource persons of the event. The lecture was to impart the importance of Automation and its impact on Industries in the minds of students. Students were given awareness on the placement opportunities in the field of automation and skills required to get placed in top MNCs.



MECH – WORKSHOP ON IMPACT OF AUTOMATION IN INDUSTRIES







R&D – JOURNAL PUBLICATION:EEE

mal of Ambient Intelligence and Hum https://doi.org/10.1007/s12652-020-01797-3

ORIGINAL RESEARCH



Malicious node detection using heterogeneous cluster based secure routing protocol (HCBS) in wireless adhoc sensor networks

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In wireless, every device can moves anywhere without any infrastructure also the information can be maintained constantly for routing the traffic. The open issues of wireless Adhoc network the attacks which are chosen the forwarding attack that is dropped by malicious node to corrupt the network performance then the information integrity exposure. Aim of the problem that existing methods in Adhoc network for malicious node detection which cannot assure the traceability of the node as well as the fairness of node detection. In this paper, the proposed heterogeneous cluster based secure routing scheme provides trust based secure network for detection of attacks such as wormhole and black hole caused by malicious nodes presence in wireless Adhoc network. The simulation result shows that the proposed model is detect the malicious nodes effectively in wireless Adhoc networks. The malicious node detection efficiency can be achieved 96% also energy consumption also 10% better than existing method.

Keywords Malicious nodes - Adhoc network - Security - HCBS - Energy consumption - Sensor nodes

1 Introduction

More than two sensor nodes are communicates with each other in order to cooperative function computation or collaborative computation which is comprised with WSN. The applications used in the network are medical monitoring, emergency-response networks, energy management, inven-tory management, logistics and battlefield management.

Every node in network will support the more than one communication model like broadcast, unicast then multicast.

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Moreover, the lifetime of the battery utilization is limited so the security mechanism is efficient in network Debroy et al. (2011). Usually Adhoc network contains numerous tiny nodes called sensor node (SN) which is placed in operational area for processing, sensing as well as aggregating the data. Natural environmental exposure then the unreliability inherent of wireless which makes the transmission through the network gets exposure with many attacks Bao et al. (2011). Recently, the emerging technology of Wireless Adhoc network can be gradually increased.

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Dr.V.Gomathy, Associate professor, EEE has published a SCI indexed paper titled 'Malicious node detection using heterogeneous cluster based secure routing protocol (HCBS) in wireless adhoc sensor networks' in Springer -Journal of Ambient Intelligence and Humanized Computing with an impact

factor of 1.9



CSE - GRAPHOGRAM



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