



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

ECE

PHRONESIS

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Workshops & Sports



IOT & Applications

A seminar on **“IoT and Its Applications – Key Concepts”** was organized for the students of **3rd B.Tech Electronics and Communication Engineering (ECE)**. The seminar was delivered by **Dr. N. Ashok Kumar, Associate Professor, ANITS**.

The seminar aimed to provide students with fundamental knowledge of the **Internet of Things (IoT)**, its architecture, communication technologies, essential components, and practical applications in various fields.



To introduce students to the concept and importance of IoT, understand the basic architecture and working principles of IoT systems and learn about sensors, actuators, microcontrollers, and communication networks used in IoT, understand different IoT communication technologies and protocols. Explore real-world applications of IoT, create awareness about emerging opportunities in IoT and related technologies.

women's hygiene and safety

A seminar on **“Women's Hygiene and Safety”** was organized to create awareness among students about personal hygiene, health, well-being, and safety practices. The session was conducted by **Smt. K. V. Sunitha from the H&BS Department**.

The seminar highlighted the importance of maintaining good personal hygiene, adopting healthy habits, understanding menstrual hygiene, and taking appropriate precautions for personal safety. Students were also encouraged to be aware of common health and safety concerns and to seek appropriate guidance whenever required.

The session was informative and interactive, providing students with useful knowledge and practical awareness for maintaining a healthy, safe, and confident lifestyle. The seminar concluded with an interactive discussion and a question-and-answer session.



Workshop on Embedded Systems

A workshop on “**Embedded Systems**” was conducted for the **Electronics and Communication Engineering (ECE)** students from **5th September to 10th September 2022** under the **APSSDC Skill Development Center**.



During the workshop, students were introduced to various important concepts including **microcontrollers, embedded hardware and software, interfacing techniques, sensors, programming, and real-time applications**. Practical demonstrations and hands-on activities helped the ECE students understand the implementation of embedded systems and develop their technical skills.



Engineers Day

An **Expert Talk on Engineers' Day** was organized to commemorate the birth anniversary of **Sir Mokshagundam Visvesvaraya**, one of India's

most renowned engineers and statesmen. Engineers' Day is observed in India every year on **15th September** in his honour.



The programme featured **Sri M. V. S. Durga Prasad, Manager, Rashtriya Ispat Nigam Limited (RINL), Visakhapatnam Steel Plant**, as the expert speaker. The expert addressed the students on the **importance and responsibilities of engineers in nation building**.

Poster presentation and Essay writing Competition

As part of the **Engineers' Day celebrations**, a **Poster Presentation and Essay Writing Competition** was organized for the students. The actively participated and enthusiastically presented



their views on engineering-related themes and the role of engineers in society.

seminar on Career counselling

A Career Counselling Seminar was conducted for the final-year ECE students. Mr. Pabba Ramesh from ACE Academy delivered an insightful session on career opportunities.



Guest Lecturer on Data structures

A guest lecture on “Data Structures” was conducted for the III ECE students. Ms. S. Keerthana, Assistant Professor, GVPCEW, Visakhapatnam, delivered the lecture.



The session provided students with valuable insights into data structures and their applications.

Industrial visit

An **Industrial Visit on Doppler Weather Radar** was organized for the students to provide practical exposure to weather monitoring and radar technology. During the visit, students learned about the **working princi-**

ple, components, operation, and applications of Doppler Weather Radar in detecting and monitoring weather conditions.



The visit helped students understand the practical applications of electronics, communication, signal processing, and radar technology in meteorological services. Students gained valuable industrial knowledge.

sports



The Department students in a cricket team **won the first match against Vignan University in the Sakshi Cricket Tournament**, held at **Andhra University (AU)**.

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