Technical Club: Intelligent Systems

Intelligent systems are knowledge based systems capable of making decisions and learning from the experiences. They can be found in all domains: automotive, rail, aerospace, defense, energy, healthcare, telecoms, education   and consumer electronics. These systems are   consisting of components related to the domain : Knowledge, Inference Mechanism, User Interface and learning environment.

 Now a days most applications require intelligence. This intelligence is achieved by applying appropriate techniques (soft computing techniques , agent methodology, case based reasoning , machine learning techniques , heuristic techniques etc.) suitable for the domain.

 Some of the Intelligent systems applications are :

- Game playing
- Natural Language Processing
- Speech processing
- Computer Vision
- Intelligent tutoring system
- Intelligent controller for various applications
- Human Computer Interaction
- Robotics

The association with this club will create interest of students in this technological domain and inspire their creativity to innovate through practical learning and application oriented mindset. Undoubtedly , this is the aspect mainly seen in the engineering profession and thus definitely boost the career prospects and employability. With competence in this domain, students could positively look for exciting career in IT Industry and Premier Research Organizations like ; ISRO, DRDO, etc.

Activities to be considered under the club :

The activities of the club have been well formulated to develop interest and competence of the students in the related technologies with emphasis on application aspects of the concepts. Following activities have been considered ;

- Learning through technical magazines and journals
- To analyse issues and challenges of designing intelligent systems
- Design and development of techniques of intelligent systems.
- Development of software projects using intelligent techniques
- Paper writing & presentation
- Quiz and group discussions on the club theme related topics
- Conduction of Workshops and practical training sessions
- Interaction with eminent industrial and academic experts in the domain of club theme
- Industrial and institutional tours
- Considering industrial R&D projects in the domain of club theme