GEETHANJALI
INSTITUTE OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Techies Chronicle
–Driven to Discover

Artificial Intelligence

Artificial intelligence (AI) is defined as intelligence exhibited by an artificial entity. Such a system is generally assumed to be a computer.

Although AI has a strong science fiction connotation, it forms a vital branch of computer science, dealing with intelligent behavior, learning and adaptation in machines. Research in AI is concerned with producing machines to automate tasks requiring intelligent behavior. Examples include control, planning and scheduling, the ability to answer diagnostic and consumer questions, handwriting, speech, and facial recognition. As such, it has become a scientific discipline, focused on providing solutions to real life problems. AI systems are now in routine use in economics, medicine, engineering and the military, as well as being built into many common home computer software applications, traditional strategy games like computer chess and other video games.

   The intellectual roots of AI, and the concept of intelligent machines, may be found in Greek mythology. Intelligent artifacts appear in literature since then, with real mechanical devices actually demonstrating behaviour with some degree of intelligence. After modern computers became available following World War-II, it has become possible to create programs that perform difficult intellectual tasks.

Categories of AI

AI divides roughly into two schools of thought:
- 1. Conventional AI.
- 2. Computational Intelligence (CI).

Founded in 1979, the American Association for Artificial Intelligence (AAAI) is a non-profit scientific society devoted to advancing the scientific understanding of the mechanisms underlying thought and intelligent behaviour and their embodiment in machines. AAAI also aims to increase public understanding of artificial intelligence, improve the teaching and training of AI practitioners, and provide guidance for research planners and funders concerning the importance and potential of current AI developments and future directions.

Editorial Board

Events Organized

✓ Webinars

- An IUCEE Virtual Academy Webinars held on March 14, 2019, entitled, "A critique analysis on growth and effect of Alternative Digital Credential" onVirtual Academy, presented by Dr. Ajitkumar N Shukla, PSIT, Kanpur, India.

- IUCEE Virtual Academy Webinars held on March 12, 2019. An Integrated Pedagogical Approach for Effective Teaching of Research Methodology Course at UG level on "An Integrated Pedagogical Approach for Effective Teaching of Research Methodology Course at UG level Presented by Dr. Shivaling sarj Vijaykumar Desai, KLE Technological University, Hubbali, Karnataka, India.

✓ Workshops

- A Five day workshop on Machine learning for engineering and science applications was organized by the department of CSE, from 19th to 23th February 2018 in collaboration with CSI. The resource person   Mr. G .Ganesh Sumanth explained various concepts of Machine Learning related aspects right from the fundamentals for II year II Semester B. Tech CSE students.

- A Five-day workshop on Big Data Ecosystem on Real- world was organized by the Department of CSE, from 21st to 25thJanuary 2019 in collaboration with CSI. The resource person Mr. M. Sasidhar explained various concepts of Big Data Ecosystem related aspects right from the fundamentals for IV year II Semester B. Tech CSE students.

- A Five day workshop on Big Data Ecosystem on Real- world was organized by the department of CSE, from 11th to 15th February 2019 in collaboration with CSI. The resource

person   explained various concepts of Big Data Ecosystem related aspects right from the fundamentals for III year II Semester B. Tech CSE students.

- The Department of Computer Science and Engineering organised a Five-day Workshop on "Machine Learning Using Python" in association with Hynture Technologies association with CSI from 18th to 22nd February 2019. The resource person was Mr. D. Venkata Sai, Honorary Chair Member of Hynture Technologies.

Student Achievements
✓ Paper publications

- D.Anushna Yadav, participated in "Nano Technology" Paper Presentation from 16th Feb 2019 at Visvodaya,Kavali.

- D.Anushna Yadav, participated in "Virtual Reality" Paper Presentation from 16th March 2019 at SVCN,Nellore.

- G.Srivalli, participated in "Cyber Security" Paper Presentation from 16th March 2019 at SVCN,Nellore.

- C.Lakshmi Yamini, participated in "Image Processing" Paper Presentation from 27th March 2019 to 28th march 2019 at Andhra Engineering College,Atmakur.

- Ch.Sujitha, participated in "Virtual Reality" Paper Presentation from 27th March 2019 to 28th march 2019 at Andhra Engineering College,Atmakur.

- Y.Samanvitha, participated in "Cyber Security" Paper Presentation from 27th March 2019 to 28th march 2019 at Andhra Engineering College,Atmakur.

- K.Vishnu Priya, participated in "Nan Robotics" Paper Presentation from 15th March 2019 at NBKRIST,vidhyanagar.

- P.Ramya Sri, participated in "Virtual Reality" Paper Presentation from 16th March 2019 at SVCN,Nellore.

✓ **Workshops**

- Ch. Anil participated in **"Grey Box modelling Using AI /ML"** Workshop from 9th March 2019 to 10th march 2019 at VIT AP, Amaravathi.

- Ch. Anil participated in **"Big Data Analytics for Cyber Threat Hunting"** Workshop from 9th March 2019 to 10th march 2019 at VIT AP, Amaravathi.

- M. Pavani participated in **"Big Data Analytics for Cyber Threat Hunting"** Workshop from 9th March 2019 to 10th march 2019 at VIT AP, Amaravathi.

- M. Pavani participated in **"Grey Box modelling Using AI /ML"** Workshop from 9th March 2019 to 10th march 2019 at VIT AP, Amaravathi.

- M. Pavani participated in **"Introduction to Cloud automation and AI"** Workshop from 9th March 2019 to 10th march 2019 at VIT AP, Amaravathi.

- Sk. Arshiya participated in **"Vijayam Mee Guppitlo"** Workshop from 15th March 2019 at Eenadu Club, Nellore.

- Sk. Pyari Raheela participated in **"Big Data Analytics for Cyber Threat Hunting"** Workshop from 9th March 2019 to 10th march 2019 at VIT AP, Amaravathi.

- Sk. Pyari Raheela participated in **"Grey Box modelling Using AI /ML"** Workshop from 9th March 2019 to 10th march 2019 at VIT AP, Amaravathi.

- K. Mounika participated in **"Python"** Techno Quiz from 27th March 2019 to 28th march 2019 at Andhra Eng College, Atmakur.

- K. Deepthi Priya participated in **"Machine Learning"** Techno Quiz from 27th March 2019 to 28th march 2019 at Andhra Engineering College, Atmakur.

- VK. Rasheda Farheen participated in **"Vijayam Mee Guppitlo"** Workshop from 15th March 2019 at Eenadu Club, Nellore.

- P. Brahma Vinuthna participated in **"Vijayam Mee Guppitlo"** Workshop from 15th March 2019 at Eenadu Club,Nellore.

- I Siva Sailaja**,** participated in **"Python"** NPTEL from Jan-Apr 2019 at IIT Madras.

- K Vishnu priya participated in **"Python"** NPTEL from Jan-Apr 2019 at IIT Madras.

- T S S S Madhav participated in **"Python"** NPTEL from Jan-Apr 2019 at IIT Madras.

- Sri Lakshmi Navya participated in **"Python"** NPTEL from Jan-Apr 2019 at IIT Madras.

- Ch. Sujitha participated in **"Python"** NPTEL from Jan-Apr 2019 at IIT Madras.