Dr. SIVANTHI ADITANAR COLLEGE OF ENGINEERING

TIRUCHENDUR

DEPARTMENT OF COMPUTER SCIENCE *& ENGINEERING*

UG & PG

DEAR READER,

IT'S A GREAT PLEASURE TO PRESENT BEFORE YOU THE NEWSLETTER OF COMPUTER SOCIETY OF INDIA STUDENTS' CHAPTER WHICH HELPS THE ENTIRE CSI FRATERNITY TO KNOW THE ACTIVITIES OF THE STUDENTS' CHAPTER FROM TIME TO TIME.

Volume 1 No.2-2019

Computer Society of India Students' Chapter

PATRON & SBC : Dr.G.Wiselin Jiji, Principal

CSI Coordinators : Dr.R.Jensi, AP/CSE

Ms.R.Valarmathi, AP/CSE

Secretary : Mr.L.Manikandan, IV CSE 'A'

Joint Secretary : Mr. T.Muthu Manikandan,III CSE 'A'

Treasurer : Mr.S.Selvakesavan, IV CSE 'B'

S.NO	DATE	EVENT	CHIEF GUEST
1.	02.07.2019	Short Term Training in Software Programming	Mr.D.Kesavaraja,AP/CSE Mrs.G.R.Jainish, AP/CSE Dr.D.JemiFlorinabel,Asso.Prof/CSE Mr.T.Saravana Kumar, ASP/CSE Mrs.S.V.Anandhi,AP/CSE Mrs.R.R.Bhavani,AP/CSE
2.	04.07.2019	Placement Training on DBMS	Dr.R.Jensi,AP/CSE
3.	05.07.2019	Motivational Talk on "How to face Interviews"	Mr.A.Suthan,AP/IT
4.	19.07.2019	Guest Lecture on "Career development"	Mr.Vignesh Annamalai
5.	01.08.2019	Coding Contest	Mrs.G.R.Jainish,AP/CSE
6.	02.08.2019	Guest Lecture on Sorting Algorithms	Mrs.S.V.Anandhi,AP/CSE
7.	05.09.2019	Web Designing Contest	Mrs.S.V.Anandhi,AP/CSE
8.	24.09.2019	Fruit Art	Mrs.R.Chitra Devi, AP/IT & Mrs.S.V.Anandhi,AP/CSE
9.	03-10-2019	Motivational talk on " Steps to Self Success"	Mrs.M.Mary Madura Selvam, AP/CSE
10	16-10-2019	Guest Lecture on Image Processing	Mr.A.Muthuraj, Research Assistant

Events with photo

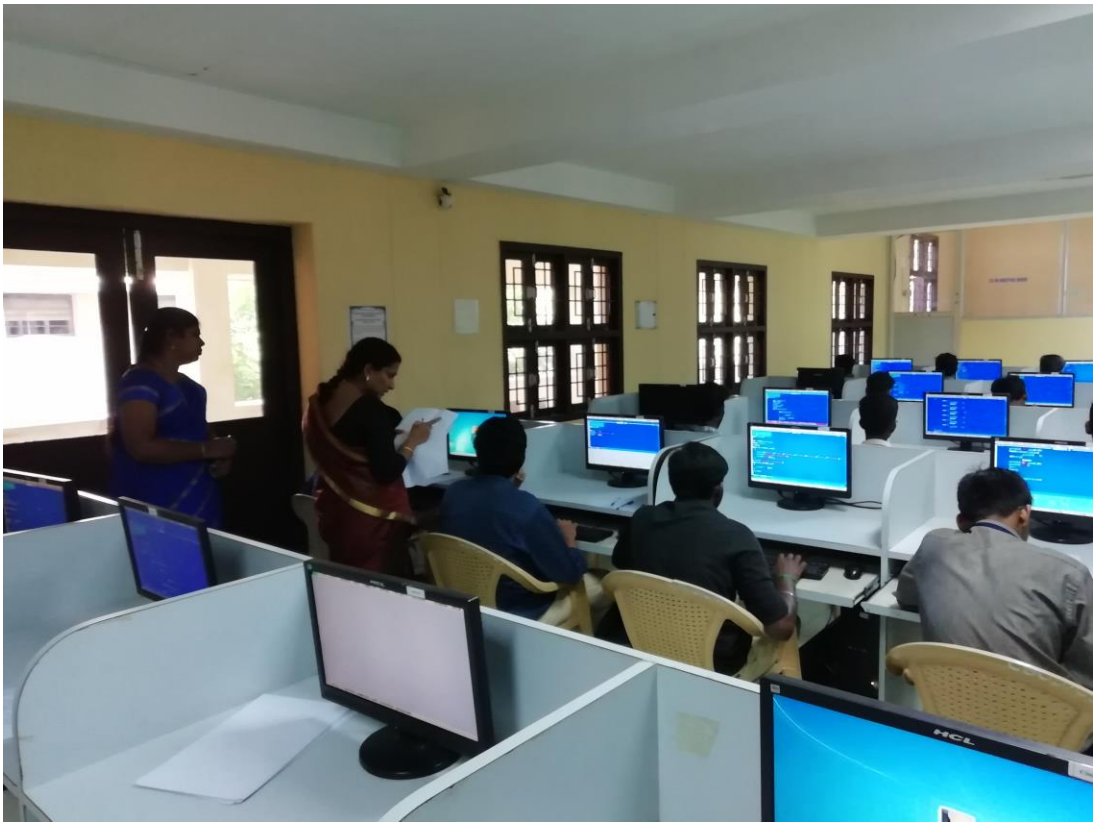
1. **Short Term Training in Software Programming** was organized for UG Students of CSE on 02/07/2019. Dr.D.JemiFlorinabel,Asso.Prof/CSE ,Mr.D.Kesavaraja,AP/CSE, Mrs.G.R.Jainish, AP/CSE ,Mr.T.Saravana Kumar, ASP/CSE, Mrs.S.V.Anandhi,AP/CSE, Mrs.R.R.Bhavani,AP/CSE handled the session.

2. **Placement Training on DBMS** was organized for UG Students of CSE on 04/07/2019. Dr.R.Jensi,AP/CSE handled the session.

3. **Motivational Talk on "How to face Interviews"** was organized for UG Students of CSE on 05/07/2019. Mr.A.Suthan,AP/IT handled the session.

4. **Guest Lecture on "Career development"** was organized for UG Students of CSE on 19/07/2019. Mr.Vignesh Annamalai,Co-founder & CEO (Bran maxima), handled the session.

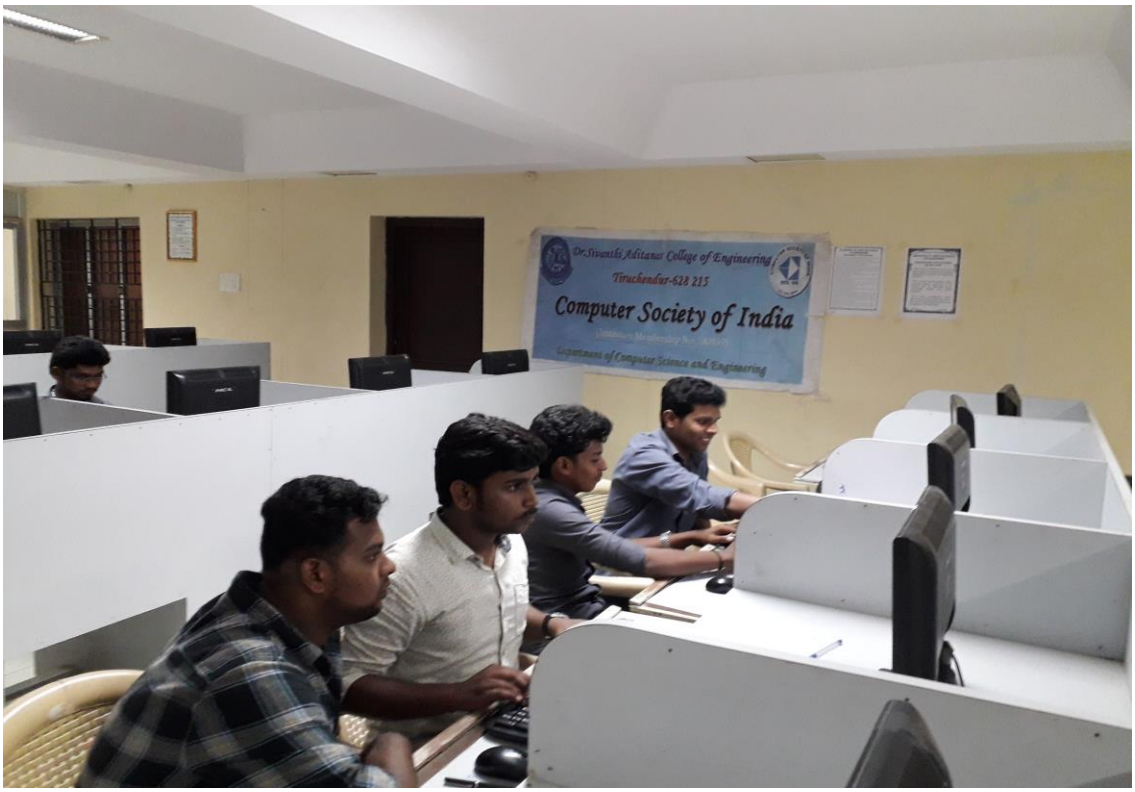
5. **Coding Contest** was conducted for UG Students of CSE on 01/08/2019. Mrs.G.R.Jainish, AP/CSE judged the contest.



6. **Guest Lecture on Sorting Algorithms** was organized for UG Students of CSE on

02/08/2019. Mrs.S.V.Anandhi,AP/CSE handled the session.

7. **Web Designing Contest** was conducted for UG Students of CSE on 05/09/2019. Mrs.S.V.Anandhi, AP/CSE judged the contest.



8. **Fruit Art Contest** was conducted for UG Students of CSE on 24/09/2019. Mrs.R.Chitra

Devi, AP/IT & Mrs.S.V.Anandhi,AP/CSE judged the contest.

9. **Motivational talk on " Steps to Self Success"** was organised for UG Students of CSE on 03/10/2019. Mrs.M.Mary Madura Selvam, AP/CSE handled the session.

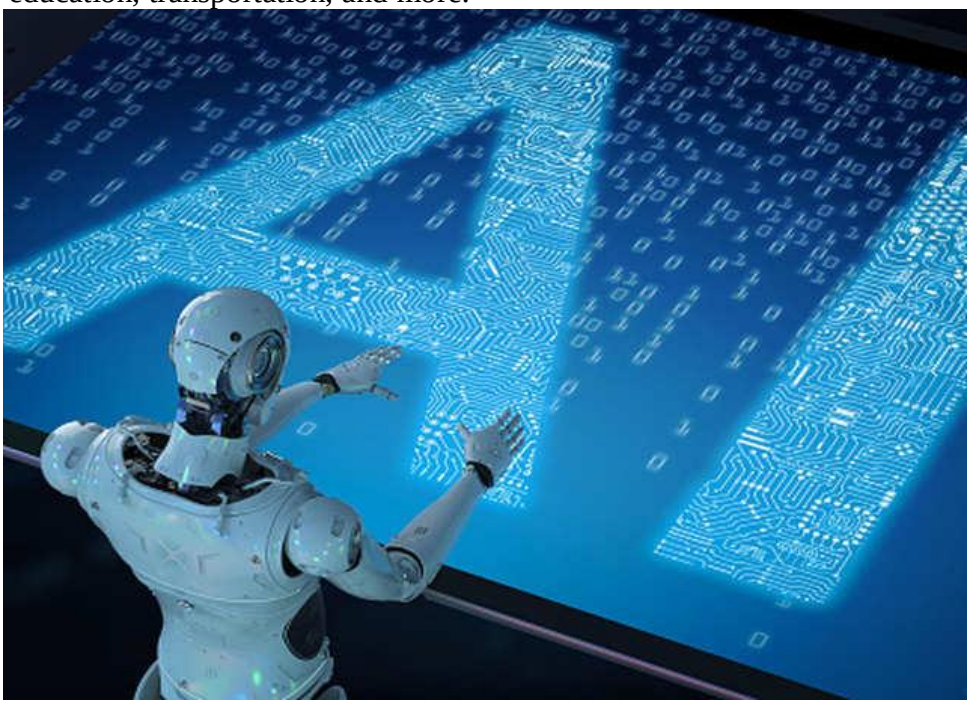
10. **Guest Lecture on Image Processing** was organized for UG Students of CSE on 16/10/2019. Mr.A.Muthuraj, Research Assistant handled the session.


Computer Society of India

APPLICATIONS OF ARTIFICIAL INTELLIGENCE

Submitted By- Ajith Kumar, IV CSE 'A'

Artificial intelligence, defined as intelligence exhibited by machines, has many applications in today's society. More specifically, it is Weak AI, the form of AI where programs are developed to perform specific tasks, that is being utilized for a wide range of activities including medical diagnosis, electronic trading platforms, robot control, and remote sensing. AI has been used to develop and advance numerous fields and industries, including finance, healthcare, education, transportation, and more.



In agriculture new AI advancements show improvements in gaining yield and to increase the research and development of growing crops. New artificial intelligence now predicts the time it takes for a crop like a tomato to be ripe and ready for picking thus increasing efficiency of farming. These advances go on including Crop and Soil Monitoring, Agricultural Robots, and Predictive Analytics. Crop and soil monitoring uses new algorithms and data collected on the field to manage and track the health of crops making it easier and more sustainable for the farmers.More specializations of Ai in agriculture is one such as greenhouse automation, simulation, modeling, and optimization techniques.

Due to the increase in population and the growth of demand for food in the future there will need to be at least a 70% increase in yield from agriculture to sustain this new demand. More and more of the public perceives that the adaption of these new techniques and the use of Artificial intelligence will help reach that goal.

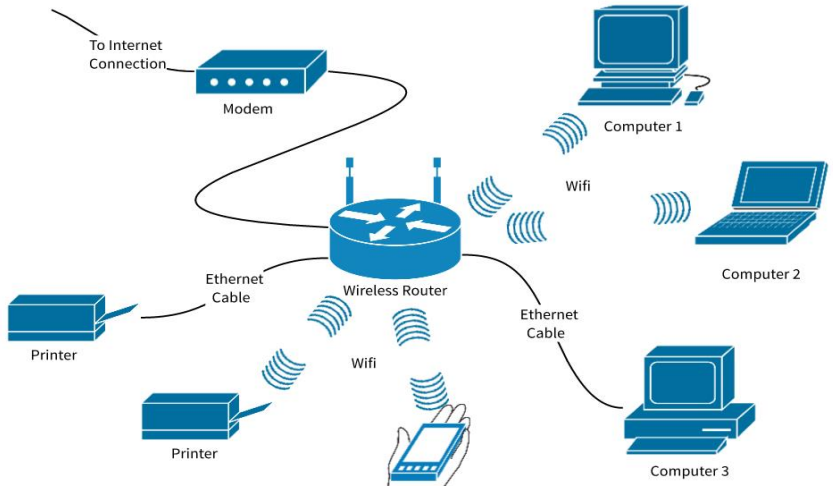
One of the more promising innovations is the idea of a personal AI tutor or assistant for each individual student. Because a single teacher can't work with every student at once, AI tutors would allow for students to get extra, one-on-one help in areas of needed growth. AI tutors also eliminate the intimidating idea of tutor labs or human tutors which can cause anxiety and stress for some students. In future classrooms, ambient informatics can play a beneficial role. Ambient informatics is the idea that information is everywhere in the environment and that technologies automatically adjust to your personal preferences.

WIRELESS NETWORKS

Submitted By- V.Bala Vignesh, IV CSE 'A'

A wireless network is a computer network that uses wireless data connections between network nodes. Wireless networking is a method by which homes, telecommunications networks and business installations avoid the costly process of introducing cables into a building, or as a connection between various equipment locations. Wireless telecommunications networks are generally implemented and administered using radio communication. This implementation takes place at the physical level (layer) of the OSI model network structure. Examples of wireless networks include cell phone networks, wireless local area networks (WLANs), wireless sensor networks, satellite communication networks, and terrestrial microwave networks.

A wireless local area network (WLAN) links two or more devices over a short distance using a wireless distribution method, usually providing a connection through an access point for internet access. The use of spread-spectrum or OFDM technologies may allow users to move around within a local coverage area, and still remain connected to the network. Products using the IEEE 802.11 WLAN standards are marketed under the Wi-Fi brand name . Fixed wireless technology implements point-to-point links between computers or networks at two distant locations, often using dedicated microwave or modulated laser light beams over line of sight paths. It is often used in cities to connect networks in two or more buildings without installing a wired link. To connect to Wi-Fi, sometimes are used devices like a router or connecting HotSpot using mobile smartphones..



Wireless wide area networks are wireless networks that typically cover large areas, such as between neighbouring towns and cities, or city and suburb. These networks can be used to connect branch offices of business or as a public Internet access system. The wireless connections between access points are usually point to point microwave links using parabolic dishes on the 2.4 GHz and 5.8Ghz band, rather than omni directional antennas used with smaller networks. A typical system contains base station gateways, access points and wireless bridging relays. Other configurations are mesh systems where each access point acts as a relay also. When combined with renewable energy systems such as photovoltaic solar panels or wind systems they can be stand alone systems.


THANK YOU