

ABOUT IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS)

IEEE, an association dedicated to advancing innovation and technological excellence for the benefit of humanity, is the world's largest technical professional society. It is designed to serve professionals involved in all aspects of the electrical, electronic, and computing fields and related areas of science and technology that underlie modern civilization. IEEE's roots go back to 1884 when electricity began to become a major influence in society. There was one major established electrical industry, the telegraph, which since the 1840s had come to connect the world with a data communications system faster than the speed of transportation. The telephone and electric power and light industries had just gotten underway.



It is my great pleasure and honor to be part of IEEE Computer Society Committee. We made a reasonable progress by promoting various activities for supporting active researchers and engineers. We are trying our level best and with our persistence efforts in nurturing future engineers and researchers, improving the status, and their International contribution. Our basic aim is to further develop our convert activities to improve the career development of students. I sincerely hope all of you involve with commitment and improve.

- Dr. S. Sai Satyanarayana
Reddy
Principal

ABOUT IEEE CS (COMPUTER SOCIETY)

IEEE Computer Society is the leading provider of technical information, community services and personalized services to the world's computing and computer science professionals. IEEE Computer Society strives to be essential to the global technical community and computer professionals everywhere and be universally recognized for the contributions of technical professionals in researching, developing, and applying technology to improve global conditions. The Computer Society serves the information and career-development needs of today's computing researchers and professionals with books, conferences, conference publications, magazines, online courses, software development certifications, standards, and technical journals. Known worldwide for its computer-standards activities, the Computer Society promotes an active exchange of ideas and technological innovation among members and technology companies producing today's innovative products and services. Teaching more than 100,000 science and technology professionals, the computer society is the largest of IEEE's 38 societies.

Congratulations to the members of IEEE CS for initiating the IEEE CS students branch chapter at Vardhaman College of Engineering. The IEEE is the world's largest technical professional organization for the advancement of technology and its Computer Society is the largest society within the IEEE. The fields of interest of its members cover all major areas of computing and information technology, including, Computer hardware, Software, IT, Security and Other areas.

- Dr. H. Venkateshwara Reddy
COE, Prof. CSE



The IEEE Computer Society student branch is positioned to create the technological leader of tomorrow. Our goal is to ensure that our engineering graduates are well prepared to play the roles of problem solvers, project leaders, entrepreneurs, innovators, data scientists and above all ethical citizens of a global society. Our aim is to provide professional grooming and guidance so that our students mould into thorough and inspiring individuals when they enter into the real-time environment.

- Prof. Vivek Kulkarni
HOD, CSE



SMAAC

SMAAC (Social, Mobile, Analytics, Artificial Intelligence and Cloud) is the concept that the convergence of four technologies is currently driving business innovation. **SMAAC**(Social, Mobile, Analytics, Artificial Intelligence and Cloud) is the basis for an ecosystem that enables a business to transition from e-business to digital business. The four technologies improve business operations and help companies get closer to the customer with minimal overhead and maximum reach. The proliferation of structured and unstructured data created by mobile devices, wearable technology, connected devices, sensors, social media, loyalty card programs and website browsing is creating new business models built on customer-generated data. None of the four technologies can be an afterthought because it's the integration of social, mobile, analytics and cloud together that creates a competitive advantage and new business opportunities

Social: Social media platforms such as Twitter, Facebook, Instagram and Snapchat have provided businesses with new ways to reach, interact with, target and acquire customers. It has given rise to new job titles such as social media influencer or digital influencer, new marketing tactics such as viral marketing campaigns, and new data sources such as likes, reposts, hashtags and network connections.

Mobile: Mobile technologies and platforms such as the iPhone and the iPad, have changed the way people communicate, shop and work. The introduction of connected devices and wearable devices, both of which rely on cheap sensors to generate and transmit data, are the basis for new business models and new services offered to customers.

Analytics: Data analytics allows businesses to understand how, when and where people consume certain goods and services. It is also used as a predictive indicator for future customer behavior as well as when physical assets, such as parts of a jet engines, will experience degradation. As the cost for processing power and storage decreased, analytics became a top priority for companies. The open source project Apache Hadoop ushered in a new era of analytics called big data.

AI (Artificial Intelligence): is the simulation of human intelligence processes by machines, especially computer systems. These processes include learning (the acquisition of information and rules for using the information), reasoning (using the rules to reach approximate or definite conclusions) and self-correction. Particular applications of AI include expert systems, speech recognition and machine vision.

Cloud: Cloud computing provides a new way to access technology and the data a business needs to quickly respond to changing markets and solve business problems. It ushered in a new way to build infrastructure, platforms and services. Amazon Web Services was one of the big disruptors in this space.

It is my pleasure knowing that department of computer science and engineering of Vardhaman college of engineering in starting IEEE Computer Society chapter. I strongly believe that the faculty and students of computer science engineering will use this forum to update and share their knowledge, explore research areas in the field of computer science and consequently student community will get advantage out of it. I hope in near future the IEEE computer Society chapter of Vardhaman engineering college will conduct many activities for the benefit of students and faculty. I congratulates organization of computer society chapter for initiating to start the chapter at VCE.

-Dr. P. Nageshwara Rao.
Co-Ordinator, IQAC



FACTOID

Einstein failed maths?
Nope he failed
entrance exam for a
school.
But still excelled in
maths

DR A.P.J. ABDUL KALAM -THE MISSILE MAN OF INDIA

Dr. A.P.J. Abdul Kalam was an Indian scientist who served as the 11th President of India from 2002 to 2007. He was born and raised in Rameswaram, Tamil Nadu and studied physics and aerospace engineering. He spent the next four decades as a scientist and science administrator, mainly at the Defence Research and Development Organisation (DRDO) and Indian Space Research Organisation (ISRO) and was intimately involved in India's civilian space programme and military missile development efforts. He thus came to be known as the Missile Man of India for his work on the development of ballistic missile and launch vehicle technology. He also played a pivotal organisational, technical, and political role in India's Pokhran-II nuclear tests in 1998, the first since the original nuclear test by India in 1974. Kalam was elected as the 11th President of India in 2002 with the support of both the ruling Bharatiya Janata Party and the then-opposition Indian National Congress. Widely referred to as the "People's President", he returned to his civilian life of education, writing and public service after a single term. He was a recipient of several prestigious awards, including the Bharat Ratna, India's highest civilian honour.

While delivering a lecture at the Indian Institute of Management Shillong, Kalam collapsed and died from an apparent cardiac arrest on 27 July 2015, aged 83.[7] Thousands including national-level dignitaries attended the funeral ceremony held in his hometown of Rameshwaram, where he was buried with full state honours.[8]

“Science is a beautiful gift to humanity; we should not distort it.”

- A.P.J.Abdul Kalam-

IEEE All India Computer Society Student Congress(AHCSSC) 2019:

IEEE All India Computer Society Student Congress 2019 on “ARTIFICIAL INTELLIGENCE & ROBOTICS” is the second version which is going to be held Vardhaman college of engineering from January 3rd to January 5th. The congress aim is to bring the connection among the students to collaborate together on new technology ideas and understand the new dimension of changes in the advancement of computing technologies. Driving the advancement is to affirm human life.

This platform enables students to have simplified understanding of AI and ROBOTICS and help you understand how it can help in building scalable applications for the industry. There will be combined (plenary sessions) & parallel sessions for the delegates so the delegates can go to the sessions in which they are interested in.



It a great honor and pride to be a part of IEEE CS committee. IEEE CS is one of the largest international professional organizations dedicated to promoting software engineers and scientists and inspiring youths around the world to follow their academic interests to a career in engineering. upcoming Engineers tell of the trials and triumphs of lives dedicated to advancing technology for humanity. Future engineers can help in reducing poverty, development of the country and it can provide a better chance for next generation.

I congratulate students and faculty members for starting IEEE CS of IEEE Students chapter at Vardhaman College of Engineering. I hope this Student branch will strive for the development of upcoming engineers.

Dr. M.A. Jabbar,
Professor, VCE
and Secretary,
IEEE CS Chapter
Hyderabad Section

It is a privilege for me to be a part of IEEE Computer Society as a chair of the committee and I am very happy to lead the team in every dimension I can. It is a very huge opportunity for all the IEEE CS chapter member to showcase their skills and share the know-ledge with the help of this society. I want to thank Vardhaman College of Engineering for providing this opportunity to me.



Rana Pratap Singh
IEEE CS Chair

It is an honour for me to serve IEEE Computer Society student branch In our college.

We will try to bring various activities, events and workshops to increase the knowledge on trending technologies and to develop the skills of the students as per the industrial requirements. I hope we will lead this chapter with great success for the betterment of students.



Mohammed Areeb
Malik
IEEE CS Vice Chair

COMMITTEE

- Dr. S. Sai Satyanarayana Reddy - Patron
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I am happy to learn that IEEE CS Society's chapter at Vardhaman College of Engineering is being established. Establishment of this chapter at Vardhaman College of Engineering will boost the capabilities of engineering graduates from Vardhaman College of Engineering . This chapter would also enable improved exposure to IEEE and its rich information base relating to computer and information systems.



Prof. Rajanikanth Aluvalu
Head, Centre for Innovation
and Entrepreneurship