

THE GAZETTE

JULY 2020

VOLUME - 1

ISSUE - 1

IEEE Vardhaman Student Branch Newsletter



About Vardhaman

The prime objective of Vardhaman College is to update and modernize the quality of professional education. Its aim is to employ innovative teaching methods which carry an emphasis on fast-changing technological trends. This is to integrate classroom learning with actual work experience in the industry concerned or in a related professional field. The college aims to encourage students from the first year B.Tech itself, to identify suitable work areas and to execute projects of their own choice and interest. The teaching-learning process is carried out through the use of overhead and LCD projectors. Vardhaman boosts facilities such as an extensive computer centre, library, advanced lab for communication skills, internet centre, and spacious seminar halls and Electronic Classrooms.

Established in 1999, Vardhaman College of Engineering is affiliated to Jawaharlal Nehru Technological University (JNTU), Hyderabad, and is approved by the All India Council for Technical Education (AICTE), New Delhi.

VCE enjoys the geographical advantage as it is well connected by air, rail, and road. The Hyderabad international airport at Shamshabad is just a 30-minute drive, and the college campus is close to Bangalore highway (NH-7) making it accessible to several important centers in and around the city. A ten-minute drive from the college campus reaches out to the outer ring road that connects Shamshabad airport to the city.

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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.

About IEEE Vardhaman College of Engineering Student Branch

IEEE Student branch at Vardhaman College of Engineering was established in the year 2009 and is one of the vibrant Student Branch in R10, Hyderabad Section. Over the years the strength of the Student Branch has grown steadily and currently the Student Branch membership stands close to 120. IEEE Vardhaman Student Branch aims at helping students recognize real world challenges and Nurture innovative ideas of students by mentoring their implementation approach. The Chapters carry out focused activities in the respective area by way of conducting technical talks under DLT, Conference, Seminars, Tutorials, Short term Courses, workshops, Paper contest, Technical Colloquium, Project contest etc. The primary purpose of IEEE Vardhaman student branch is to Inspire, Enable, Empower and Energize our student members to enhance their technical interests by providing them a platform to show case their skills. The Student Branch has 8 student chapters & One affinity group called IEEE Women in Engineering is running under this Student Branch. Dedicated volunteers, as part of the Executive Committee of the Society as well as Chapters continuously strive to bring more activities under the Society. We believe that in the ever evolving world of today, networking is the key for knowledge advancement. So, with the international fraternity provided to us by the IEEE this is the perfect way to milk information from the experts themselves and be a part of something that is bigger than ourselves. The student Branch emphasis on conducting more activities and technical events which can develop the skills of a student in both technical and managerial.

AI in Cyber Security

Artificial intelligence (AI) is the ability of a computer program or a machine to think and learn. It is also a field of study which tries to make computers "smart". They work on their own without being encoded with commands. John McCarthy came up with the name "Artificial Intelligence" in 1955. Artificial Intelligence (AI) is the branch of computer sciences that emphasizes the development of intelligence machines, thinking and working like humans. For example, speech recognition, problem-solving, learning and planning. Feb 16, 2020 It is the science and engineering of making intelligent machines, especially intelligent computer programs. It is related to the similar task of using computers to understand human intelligence, but AI does not have to confine itself to methods that are biologically observable. Cyber Security with Artificial Intelligence; This article is written for people who are ... What is the. ... is to solve something that an expert spends a certain time on, in a very short time. The use of artificial intelligence in cyber security creates new threats to digital security. Just as AI technology can be used to more accurately identify and stop cyberattacks, the AI systems also can be used by cybercriminals to launch more sophisticated attacks. Further advancement in AI can also give birth to new types of cyber threats. AI can also hack into a system's vulnerability much faster and better than a human can. AI can be used to disguise attacks so effectively that one might never know that their network or device has been affected. In terms of difficulty to learn and job growth rate, Artificial Intelligence is better than Cyber Security but Cyber Security and Artificial Intelligence is equally important. Many companies are using Artificial intelligence for Cyber Security applications.

Editorial Desk Message

Dear Readers,

We at **IEEE Vardhaman College of Engineering Student Branch** hope that you're coping up well amidst the Novel COVID19 outbreak. We request you to stay home and stay safe and be a reason to break the chain of community transmission. We herewith bring you the first volume of **1st Edition** of **IEEE Vardhaman SB Newsletter**. This current issue of **THE GAZETTE** features a few of the prominent events, activities, workshops, webinars, competitions across the chapters of the student branch. We thank the advisors, ExCom members of these respective chapters & convenors of the events for sending the report as per the guidelines & we Principal **Dr. S. Sai Satyanarayana Reddy**, Student Branch Counsellor **Dr. M. A. Jabbar**, Deputy Advisor **Ms. Sangeetha Singh**, HOD CSE **Dr. A. Rajnikanth** and HOD ECE **Dr. Satish**, for their coordination. For the forthcoming releases, we shall send an google form prior to 20 days before the release. Irrespective of the timelines, we request the Chapter chairs & their Executive committees to send reports which need the attention of members across the Student Branch to **ieeevardhaman@gmail.com** with pictures and a brief report of the respective events. We thank all the authors over the days for their continued contributions to the newsletter and made it magnanimous, We shall definitely look forward to leveraging a platform to publish the articles coming from our members very soon. We wish to make **THE GAZETTE** & Website of the IEEE Vardhaman Student Branch more transparent and interactive to our members. We look forward to contributing our best efforts and delivering the most important information at the regular intervals to our members through the Newsletter.

Thank you for reading, Student Branch Newsletter team can be reached at:

ieeevardhaman@gmail.com

You can reach out to our respective student branch website here:

<https://www.ieeevardhaman.org>

We will try my best to meet the expectations of IEEE members in Vardhaman and create a good image of IEEE Vardhaman SB at international forums. Let us all work together to have another great year of IEEE Vardhaman SB activities in 2020.

With warm greetings,

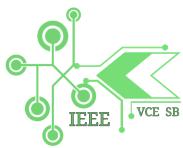
**IEEE VARDHAMAN STUDENT BRANCH
EDITORIAL TEAM**

Faculty Achievements

1. **Dr. A. Rajnikanth**, IEEE Vardhaman SB Computer Society Student Chapter Advisor elevated to **IEEE Senior Member in 2020**.
2. **Dr. M. A. Jabbar**, Professor, Dept of CSE has been nominated as **Asso. Editor Bentham Science journals**.

Student Achievements

1. **Mr. Mallelu Sai Prashanth**, Chair - IEEE VCE SB is been appointed as **Social Media Co-Ordinator, IEEE R10 SAC media and Publicity Sub Committee, IEEE R-10 Regional Coordinator - IEEE Collaboratec Community, Social Media Team Lead, IEEE India Council SCT 2020, Student Chapter Representative, IEEE TEMS India Team, Student Chapter Representative, IEEE CS Hyderabad Section.**
2. Our Student Members **Mr. Sai Prashanth, Mr. Rahul Machiraju, Mr. Adhitya** have been selected as **Student Network Representative** for **IEEE HYDERABAD Section** for the year **2020**.
3. **Ms. Asma Tahreem** participated in **IEEE CASS COVID-19 Best Picture and Caption Contest** and was **voted one of the three "Most Creative"** entries.
4. Our Volunteers **Mr. Sai Prashanth, Mr. Madiraju Pranay Kashyap, Mr. M. D. N. Akash, Mr. Rahul Machiraju, Mr. D. Ajay, Mr. Tejesh Venna** have been awarded with **Appreciation Certificate by IEEE Hyderabad Section** for the Support to **IEEE Hyderabad Section / Chapter and Student Branch initiatives and Support as a Volunteer to the IEEE Community**.
5. **Mr. D. Ajay** Student Volunteer of Third Year as won the **First Prize** in the **coding contest** organized by **IEEE Computer Society Chapter Hyderabad Section in AHCSSC20**.
6. **Mr. D. Ajay** has been secured **Second prize** in the **hackeethon contest** organized under **IEEE Computer Society Hyderabad Chapter**.
7. **Mr. M. D. N. Akash , Mr. Sai Prashanth, Mr. Puneeth** of Team Rejolt won the **second prize** in the **Smart India Internal Hackathon organized by Vardhaman CIE**.
8. **Mr.Sai Prashasth, Mr. M. D.N. Akash, Mr. Puneeth** of Team Rejolt has won the **third prize at NexGen Summit at Chitkara University, Punjab A National Wide Entrepreneurship Contest** held in the month of February.
9. **Mr. D. Ajay** secured **FIRST prize** in the **12 hours Hackathon conducted during PRODUCT DEVELOPMENT USING PYTHON ONLINE BOOTCAMP** organized by **CIE & Brainovision Solutions India PVT. Ltd.**
10. **Mr. Madiraju Pranay Kashyap and Mr. M. D. N. Akash** secured **Second prize** in the **12 hours Hackathon** conducted during **PRODUCT DEVELOPMENT USING PYTHON ONLINE BOOTCAMP** organized by **CIE & Brainovision Solutions India PVT. Ltd.**
11. **Mr. D. AJAY** secured **third position** in **IEEE CS IDEATE 12 hours coding contest SMART O THON** under **IEEE Computer Society Chapter, IEEE Hyderabad Section**.



IEEE VCE SB

Cyber Security considerations for today's industrial control systems

by Mrs. Susan Kathy Land

The screenshot shows a promotional slide for a webinar. On the left, there is a portrait of Mrs. Susan Kathy Land, identified as 'IEEE President Elect 2020'. The main text reads: 'IEEE Computer Society Chapter - Hyderabad Section in association with IEEE Vardhaman College of Engineering Student Branch presents WEBINAR ON "CYBER SECURITY CONSIDERATIONS FOR TODAY'S INDUSTRIAL CONTROL SYSTEMS"'. Below this, the date and time are listed as 'Saturday, 18th July, 2020 | 6:30 pm - 8:00 pm'. A registration link 'Register at bit.ly/C5HYDCYBER' is provided, along with a note that the 'Last Date to register : 16th July, 2020.' Social media links for 'ieee cs Hyderabad Section' and 'ieecshyderabadsection' are at the bottom, along with a URL 'ewh.ieee.org/r10/hyderabad/c/'.

The resource person of the webinar is honorable **IEEE president Elect 2020 Susan Kathy Land** and the webinar was given on the topic "**Cyber Security considerations for today's industrial control systems**". The speaker have joined the meet 30 minutes in prior and she was interacting with our IEEE chair Mr. T Vidya Sagar sir and the webinar started at 6.30 pm sharp at first the student volunteers in presence of the chair IEEE computer society have given a video on the speaker Susan Kathy Land which consists all her achievements along with her journey she was so happy seeing it .Then the host delivered the session to the speaker and Kathy mam started the session on the topic .She have given an excellent presentation of the slides which included everything related to cyber security considerations for today's industrial control systems.

she have addressed some typical Rookie mistakes (TRM) and said some things which we have to do to ourselves such as Users! Ensure that secure access procedures are followed

- Conduct random, unannounced, audits
- Password mishandling
- Stored username and passwords; password reuse
- Phishing

Top 5 Common Network Security Vulnerabilities

- Missing patches
- Weak or default passwords
- Misconfigured firewalls
- Mobile devices
- USB Flash Drives

After which she has ended the session with most beautiful and admiring words that "**the mantra of any good security engineer is: 'Security is not a product but a process.' It's more than designing strong cryptography into the system; it's designing the entire system such that all security measures, including cryptography, work together**" by Bruce Schneier.

IEEE Collaboratec -Uniting the IEEE Global Technical Community

by Mr. John Day

IEEE Computer Society Chapter - Hyderabad Section
in association with
IEEE Vardhaman College of Engineering Student Branch
Presents

WEBINAR
On
“IEEE Collaboratec: Uniting the
IEEE Global Technical Community”

Registration Link: bit.ly/CSCOLLABRAREC

Date: July 8, 2020 Time: 5:30 pm - 6:30 pm

John Day
Director
Members Products & Programs, IEEE MGA

IEEE CS Hyderabad Section [ieeecdhyderabadsection](https://ieeecdhyderabadsection.com) <https://ewh.ieee.org/r10/hyderabad/c>

IEEE VCE SB in Association with **IEEE Computer Society Hyderabad Section team** has organized the webinar on “**IEEE Collaboratec: Uniting the IEEE Global Technical Community**” Mr. Vidyasagar T, the **Chair of the IEEE Computer Society, Hyderabad Section** hosted the webinar with active 83 delegates.

Mr. Vidyasagar introduced the speaker, Mr. John Day, to the audience. He is the IEEE Senior Member and Director of IEEE Member Products. Mr. John Day oversees programs serving the students, young professionals, women in engineering – and products, e.g. IEEE.tv, IEEE Collaboratec, Membership Directory

IEEE Collaboratec is an integrated, online community where technology professionals can network, collaborate, and create in one central hub.

IEEE Collaboratec's suite of productivity tools is available to technology professionals around the world, with exclusive features for IEEE members.

Mr. John Day has begun the webinar by explaining to the students about IEEE Collaboratec and its importance. He started delivering his knowledge about common use cases that are Locating and connecting w/r subject matter experts throughout IEEE. Participating/ being recognized with badges.

Mr. John Day shared that he has privileged to visit and support IEEE Members and volunteers in the Asia/ Pacific region. Mr. John Day also delivered to the students about the usage of Collaboratec by the Regions and their respective Sections. The below Graph resembles the utilization of IEEE Collaboratec Mr. John Day has spoken of having IEEE Collaboratec Membership, the members can have verified status within a Trusted Network. Member status and affiliations are verified by IEEE are Member badge, Membership number, Membership card, certificates, profile visibility customizable, including members-only options to be visible to just other IEEE Members. With the IEEE Collaboratec Community, Personalized connectivity to the local IEEE Network(myIEEE). Mr. John Day also includes his vision about IEEE Collaboratec that is having “verified recognition of IEEE Membership & Participation. In the IEEE Collaboratec, the members can have access to certifications of participation, badges for participation”.

Mr. John Day has explained about IEEE Collaboratec Badges and its journey. Participants follow a set of clues located throughout the Collaboratec and perform activities specified. After earning the badges, participants can continue participating to accrue points

Mr. John Day has shared his experience with Hyderabad with Students that he has visited Hyderabad in 2013 for IEEE Region Congress. And He has shared and image resembles that IEEE Hyderabad Section’s place for getting IEEE Discover badge among all Sections in India

Volunteer Experience, Skill Boosting, Role of women In Computer Science and preparing yourself for upcoming industry challenges

Career Advancement refers to the upward progression of one's career. And it is one of the most important elements for a person satisfaction and retention at a organization.

IEEE VCE SB in association with **IEEE Women in Engineering Affinity Group**, with the webinar "**Volunteer Experience, Skill Boosting, Role of women In Computer Science and preparing yourself for upcoming industry challenges**" by Niharika Vanka and Pravan Paturi.

VARDHAMAN COLLEGE OF ENGINEERING
Autonomous institute,Affiliated to JNTUH,Hyderabad

Online Webinar

Niharika Vanka

Pravan Paturi

Topic: Volunteer Experience, Skill Boosting, Role of Women in Computer Science and preparing for upcoming industry challenges
Date: April 4, 2020
From: 6:30pm

IEEE HYDERABAD SECTION

IEEE COMPUTER SOCIETY

PRESENTS

IEEE CS EKALAVYA

(Test Your Engineering Skills against Competitive Exams)

Organized In Association with
IEEE Vardhaman College of Engineering Student Branch(STB02391)
Apply at : bit.ly/cs-ekalavya

Last Date to Register: 5th April 2020.

Co-Ordinators:
Sal Prashanth : 7093319953
D. Ajay : 8142074880

Starts at 3:00pm - Ends at 6:00 pm ,
April 6th , 2020

IEEE CS Ekalavya

IEEE CS Ideate has opened wings for its next event **IEEE CS EKALAVYA** under **IEEE Computer Society Hyderabad Section** which will help you enhance the skills required for competitive exams.

Every setback is a setup for a comeback. IEEE CS EKALAVYA aims to bring the best out of you through this online contest which is a mock test helping you carve your skills to acclaim your place in competitive exams in India.

Hands-on Session on Raspberry pi and AWS Cloud

IEEE VARDHAMAN SB
presents
Hands-on Session on Raspberry PI using AWS cloud



Mr. Bhavani Shankar
CEO & Director,
Think-IoT Solutions



Mr. Chandrakanth R
Sr. Embedded Engineer,
Think-IoT Solutions

Register here: https://bit.ly/vce_aws

Date: 18, 19, 20 May, 2020.

Time: 10:30am - 11:30am



IEEE VCE SB in association with **IEEE Communication Society and IEEE Signal Processing Society** now ready to wipe out your minds from a pandemic, with the webinar "**Hands-on Session on Raspberry pi and AWS Cloud**"

Quarantine makes you ascertain but VCE SB enriches, enlightens your knowledge and mind power. Batten your minds, experience the flow of learning from the expert **Mr. Bhavani Shankar CEO & Director, Think-IoT Solutions and Mr. Chandrakanth R Sr. Embedded Engineers, Think-IoT Solutions.**



Computer Society



IEEE VCE SB Presents Webinar on Flask

Presented by
M. Pranay Kashyap
Secretary, IEEE VCE CS



11th April 2020, 04:00 pm Onwards
Register here: <https://forms.gle/QjrDGABT3PEb1rfD7>

Flask

by Mr. Madiraju Pranay Kashyap

IEEE VCE SB, CS Chapter organized **Webinar on Flask**" 11th April 2020 at 4:00 Pm to 6:30 Pm to engage, evolve and Emerge in the current times.

During the webinar 50+ Participants have attended the webinar, Flask is a micro web framework written in Python. It is classified as a micro framework because it does not require particular tools or libraries. It has no database abstraction layer, form validation, or any other components where pre-existing third-party libraries provide common functions. However, Flask supports extensions that can add application features as if they

were implemented in Flask itself. Extensions exist for object-relational mappers, form validation, upload handling, various open authentication technologies and several common framework related tools. Extensions are updated far more frequently than the core Flask program.

GitHub

Department of Computer Science
Engineering and Computer Engineer
Technical Association [CETA] organized
"Webinar on GitHub" 8th April 2020 at
5:00 Pm to 6:00 Pm in association with **IEEE**
VCE CS chapter and **CIE Vardhaman** to
engage, evolve and Emerge in the current
times.

During the webinar 60+ Participants have
attended the webinar, GitHub is a United
States-based global company that
provides hosting for software
development and version control using Git.

The banner for the "Webinar on GitHub" features the logos of Vardhaman College of Engineering, CETA, IEEE, and the Centre for Innovation and Entrepreneurship. The main text reads "DEPARTMENT OF COMPUTER SCIENCE ENGINEERING COMPUTER ENGINEER TECHNICAL ASSOCIATION(CETA) PRESENTS Webinar on GitHub". It lists presenters MDN AKASH (IEEE VCE CS CHAIR) and N PUNEETH (IEEE VCE SB WEB MASTER). The banner also includes the date "APRIL 8TH, 05:00 PM TO 06:00 PM" and the registration link "REGISTER AT: bit.ly/ceta-cie-github". A GitHub logo is shown in the bottom right corner, and the text "IN ASSOCIATION WITH IEEE VCE CS CHAPTER + CIE VARDHAMAN" is at the bottom.

It has been a subsidiary of Microsoft since 2018. It offers the distributed version control and source code management (SCM) functionality of Git, plus its own features. It provides access control and several collaboration features such as bug tracking, feature requests, task management, and wikis for every project. GitHub offers its basic services free of charge. Its more advanced professional and enterprise services are commercial. Free GitHub accounts are commonly used to host open-source projects. As of January 2019, GitHub offers unlimited private repositories to all plans, including free accounts, but allowed only up to three collaborators per repository for free. Starting from April 15, 2020, the free plan allows unlimited collaborators, but restricts private repositories to 2,000 actions minutes per month. As of January 2020, GitHub reports having over 40 million users and more than 100 million repositories (including at least 28 million public repositories), making it the largest host of source code in the world.

Hackathon

IEEE VCE SB, CS chapter had organized “**Code Hackathon**” on 7th march, 8 hours duration in association with HackerRank. Code Hackathon was participated by 100+ students from different departments.

Python is an interpreted, high-level, general-purpose programming language. These days learning python programming skills bring many job opportunities in this technology emerging society. Becoming a Python developer is the most direct job out there for someone who knows the Python programming language.

This Codeathon brings the competitive spirit among young developers. Students get to think out of the box so they can innovate new things. Being able to compete against a large number of participants gives coders an opportunity to stand out from the crowd and be easier to be found for companies hiring for similar skills. A Codeathon encourages a candidate to improve continuously. Trying to score higher every time is a great motivator for improvement.

A Codeathon (or Hackathon) is an event for coders and all types of professionals to work collaboratively on software development. The largest benefit of a codeathon, by far, is how empowered and inspired each coder feels after creating something from nothing.

HackerRank
PRESENTS



Code Hackathon

ORGANIZED BY IEEE VCE SB CS CHAPTER

MARCH 7, 2020

VARDHAMAN COLLEGE OF ENGINEERING



SCILAB

by Dr. Kantipundi MVV Prasad

IEEE VCE SB, CS chapter had organized “**Webinar on SCILAB**” on 16th June, 6:00 PM to 7:00 PM by **Dr Kantipudi MVV Prasad** in association with department of Computer Science & Engineering. This event is a huge success with 120+ participants sharing their views and doubts.

SCILAB is an engineering tool, an open source software. You can do a lot of things with it. It is capable of numerical computations, data analysis and plotting, system modeling and simulation, has graphical user interface capabilities and many more. It is an interpreted language which contains a lot of already defined functions used in resolving Engineering and Scientific problems. Scilab is developed by the Scilab Consortium, which was created by INRIA (French National Institute for Research in Computer Science and Control) in 2003. In July 2012 the development of Scilab passed to Scilab Enterprises. Scilab is very versatile and can solve a vast type of mathematical and engineering problems. The best way to understand its capabilities is to look at the available functions. The default Scilab installation comes with a basic set of functions for basic mathematical operators, logical operations, trigonometric functions, 2-D and 3-D plotting and many more which make our daily lives easy. Scilab also comes with a help library that contains a lot of instruction on converting functions or scripts written in Matlab to Scilab. More, there are some utility functions that manipulates *.mat files.

Covid 19 effect on future IT Jobs

by Mr. Venkat Kotapati

IEEE VCE SB,CS Chapter organized "Webinar on 'COVID 19 effect on future IT Jobs'" on 26 May 2020 at 5:00 PM to 6:30 PM in association with IEEE VCE SB and IEEE VCE SB Computer society to engage, evolve and emerge in the implications of COVID 19 effect on future IT Jobs. During the webinar 100+ Participants have attended the webinar, As the pandemic resets major work trends, HR leaders need to rethink workforce and employee planning, management, performance and experience




IEEE VARDHAMAN SB
PRESENTS
WEBINAR ON "COVID 19 EFFECT ON FUTURE IT JOBS "



Mr. VENKAT KOTAPATI
CEO
Vivilex Technologies

Register at : <https://bit.ly/vce-it>

26TH MAY 2020 | 05:00PM - 06:30 PM(IST)

[/IEEEVMEGSB/](#) [/IEEEVARDHAMAN/](#)

strategies. The coronavirus pandemic will have a lasting impact on the future of work in nine keyways. The imperative for HR leaders is to evaluate the impact each trend will have on their organization's operations and strategic goals, identify which require immediate action and assess to what degree these trends change pre-COVID-19 strategic goals and plans. 32% of organizations are replacing full-time employees with contingent workers as a cost-saving measure "**It's critical for business leaders to understand that large-scale shift share changing how people work and how business gets done**" says Distinguished Vice President, Gartner. "HR leaders who respond effectively can ensure their organizations stand out from competitors."

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

COMPUTER ENGINEER TECHNICAL ASSOCIATION (CETA)
PRESENTS

12HRS HACKATHON

22ND MARCH 2020
8:00 AM TO 8:00PM

COMPETE AT:  www.hackerrank.com/ceta-hackathon

IN ASSOCIATION WITH

12HRS PROGRAMMING CONTEST

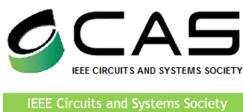
- CODING CAN BE DONE IN ANY LANGUAGE.
- COMPETE FROM YOUR HOME ITSELF.
- ONLY FOR 2ND AND 3RD YEAR CSE STUDENTS.

REGISTER AT: https://bit.ly/ceta_hackathon12
8:00 AM TO 8:00 PM (22-MARCH)

12 Hrs. Hackathon

IEEE VCE SB in Association with **IEEE VCE CS Chapter** organized 12Hr IEEE CS Hackathon on 22 March 2020. During this hackathon 200+ participants attend and 100+ received certificates. Hacking is a creative problem-solving. (It does not have to involve technology). A hackathon is an event of any duration where people come together to solve problems. Most hackathons also have a parallel track for workshops. Participants typically form

groups of about 2-5 individuals, take out their laptops (if the event is technology themed), and dive into problems. Training workshops are a great parallel track especially for newcomers but also for all participants. Positive energy Hackathons have gotten a bad rap because of some that have an unhealthy, competitive structure, and for setting unrealistic expectations. Don't run a hackathon like that and you'll be on the right track. Here are the goals I keep in mind: Strengthen the community that the hackathon is for. Be welcoming to newcomers to the community. Provide an opportunity for participants to learn something new. Provide a space and a time for participants to make headway on problems they are interested in. Don't expect to have actually solved a problem by the end of the hackathon. Real-life problems are hard! Think of the hackathon as a pit-stop on a long journey to solve problems or as a training session to prepare participants for solving problems. Since you're not going to solve a problem, don't put unrealistic (and unhealthy) pressure on your participants. Don't stay up all night, don't pump participants with caffeine, and don't make winners and losers. Just don't. There has never been beer, competitions, or time pressure at my hackathons. Participants should come energized and be greeted with positive energy.



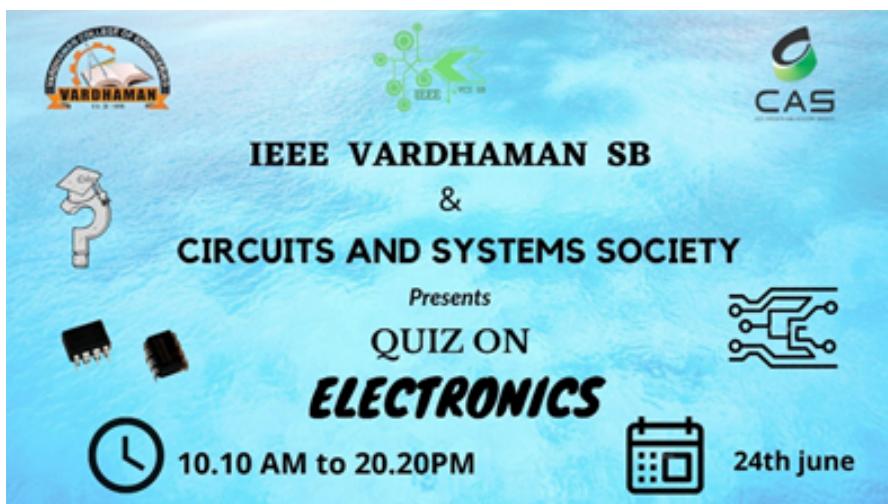
Circuits and Systems Society

Technical Quiz on Digital Electronics

A **Technical quiz on digital electronics** is conducted on 10th Feb, 2020 on the occasion of '**Walter House Brattain**' birthday who was one of the three inventors of transistor. 18 students from 2nd year ECE dept. are given chance to participate in it. For winners, a gift card worth Rs.500 is given which can be used for their next NPTEL exam registration. Students gave a review that the questions were neither too easy nor too difficult, it was perfectly balanced and they enjoyed it solving. An awareness talk was given related to **IEEE and CAS society** to participants by the student branch CAS chapter faculty advisor.



Online Quiz on Electronics



IEEE VCE SB in association with **IEEE VCE SB CAS Society Chapter** has organized **Quiz on Electronics** on 24th June, 2020.

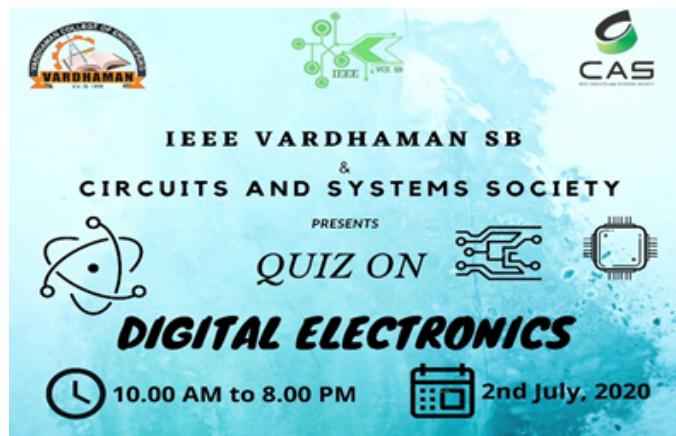
Electronics is a vast domain covering different areas like filters, amplifiers, semiconductors, digital components etc. An Online quiz is conducted on **24th June, 2020** on Electronics concepts including filters, semiconductors and electronic devices. Questions were prepared in such a way so that all major areas are covered and difficulty level is maintained among all areas. **Around 50** participants participated from which only **3 members** scores **90%**. According to the feedback, participants enjoyed the quiz and felt challenging, and suggested topics for quizzes.

Machine Learning for Electronics

by Mr. Ali Mustafa Shaikh

A webinar on "**Machine Learning for Electronics**" is organized on 27th June, 2020 with speaker "**Mr. Ali Mustafa Shaikh**" who is a Software Innovator at Intel and also a Microsoft Student Partner. He is also the lead ambassador of IEEE Collaboratec in India. Speaker started the webinar with an agenda to inspire participants on machine learning. He showed few amazing tools and shared resources with attendees. Though, much concept is not shared regarding electronics, he showed how electronics are used to extract data from real-time situations. Around 20 people attended the webinar and at the end, an amazing Q&A session happened where lot of knowledge is shared among attendees.





Online Quiz on Digital Electronics

Digital Electronics is a major area in Electronics domain. This area is the major reason for advancements in many applications. Introduction of microprocessors and ICs made all latest technologies like PCs, advanced communications possible. An online quiz on digital electronics was conducted on 2nd July, 2020 covering major concepts in the subject. Around 100 registrants attempted quiz out of which 5 members scored 80% and above. Participants gave feedback that the quiz is tough but very interesting. Very few members scored more than 60% supporting their feedback.

Social Networking in Cyber Security

The popularity of social networking sites has attracted billions of users to engage and share their information on these networks. The vast amount of circulating data and information expose these networks to several security risks. Social engineering is one of the most common types of threat that may face social network users. Training and increasing users' awareness of such threats is essential for maintaining continuous and safe use of social networking services. Identifying the most vulnerable users in order to target them for these training programs is desirable for increasing the effectiveness of such programs. Few studies have investigated the effect of individuals' characteristics on predicting their vulnerability to social engineering in the context of social networks. To address this gap, the present study developed a novel model to predict user vulnerability based on several perspectives of user characteristics. The proposed model includes interactions between different social network-oriented factors such as level of involvement in the network, motivation to use the network, and competence in dealing with threats on the network. The results of this research indicate that most of the considered user characteristics are factors that influence user vulnerability either directly or indirectly. Furthermore, the present study provides evidence that individuals' characteristics can identify vulnerable users so that these risks can be considered when designing training and awareness programs.

Individuals and organisations are becoming increasingly dependent on working with computers, accessing the Internet, and more importantly sharing data through virtual communications. This makes cyber security one of today's most significant issues. Protecting people and organisations from being targeted by cybercriminals is becoming a priority for industry and academia. This is due to the substantial damage that may result from losing valuable data and documents in such attacks. Rather than exploiting technical means to reach their victims, cybercriminals may instead use deceptive social engineering (SE) strategies to convince their targets to accept the lure. Social engineers exploit individuals motives, habits, and behaviour to manipulate their victims.



Women in Engineering

Sparkle 2020



SPARKLE 2020

Skill Development for Young Minds

Organized by IEEE Women In Engineering Affinity Group, VCE SB
in Association with IEEE Hyderabad Section Women In Engineering Affinity Group

25, 26 FEB, 2020

1101, BLOCK - 1
VARDHAMAN COLLEGE OF ENGINEERING



by Volunteers of IEEE VCE SB

To enhance the capability of young minds and help them create a bright future **IEEE WIE AG Hyderabad Section** in collaboration with **IEEE WIE AG VARDHAMAN SB** has organized a two day program for **Government school children** to improve their computer literacy and communications skills and to get aware of Cybercrime under " **Sparkle 2020** " on 25 th and 26 th February 2020. The students were briefed about the importance of computer in day to day activities and learnt few essential things like how to create a power point presentation for any topic, Microsoft excel etc. All the students had hands on experience and were very much satisfied with the program. The program also concentrated on creating awareness on Cyber Crime and Security for the young children as present they are more prone to these issues. They were explained how to be in safe zone and how to deal with such problems. The volunteers explained them how personal data can be used in wrong ways by fraudsters.

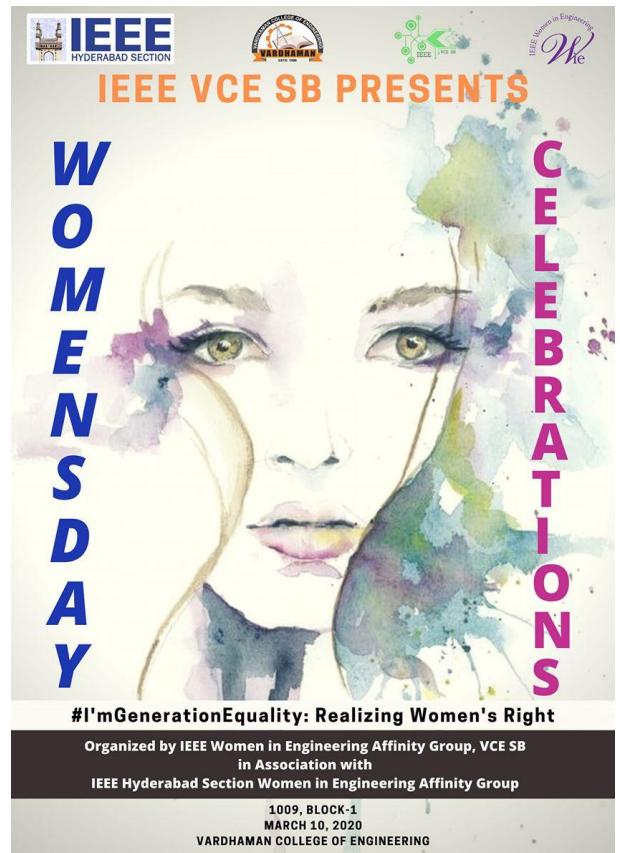


International Women's Day 2020

To celebrate the strengths of women and their accomplishments **IEEE WIE AG Hyderabad Section** in collaboration with **IEEE WIE AG VCE SB** has organized "International Women's Day 2020" with the theme "I'm Generation Equality: Realizing Women's Rights" on March 10 th 2020.

The chief guest for the event was **Mrs. C. S. RamaLakshmi, IFS (Retd.)** and the Guest of Honor for the day were **Mrs. Abhimanika Yadav, Mrs Universe (2017) and Fitness Influencer and Ms. Tejaswini Pagadala, Author & Communications Consultant**. Among the entire female faculty working in the college, **Mrs. V. Kavitha, Associate Professor, H&S Dept.** was felicitated for her long service in college since **2004**.

The day was occupied with painting competition for faculties and students with the theme of women empowerment, followed by many more cultural events and games. There were various games organized for lady faculties like balloon blasting and art exhibition by lady staffs. The students presented cultural performances to depict the versatility of a woman.



Defeated but not failed - Reach your destiny

by **Mrs. Anil Jyothi Reddy**

With sudden and challenging conditions that occurred due to the novel Corona virus, world has shifted online, people are working from home, we are all agog towards online learning. Hence, under **IEEE WIE AG VCE SB** in collaboration with **IEEE WIE AG Hyderabad section** organized "Defeated but not failed - Reach your destiny" on May 18th from 11:00 AM to 12:30 PM. And it has been a great interactive session with inspirational journey of **Anil Jyothi Reddy**. Her life's journey has taught us one important thing. To live the live to the fullest, one has to work. She has observed that many women in rural India are dependent on their parents/husband. For her dependency is losing the freedom and thus losing the life. And she has shared about her life experience and also inspired how to tackle the problems in tough situations.



Team work and life skills for a successful career

by Mrs. Padma Juluri

The Webinar "Team work and life skills for a successful career" on 27 th June 2020 from 11:30 AM to 01:00 PM by **Mrs. Padma Juluri**. She talked about her work experiences, how to overcome challenges and shared with us the situations faced by her and how she managed to tackle them. The audience were keenly listening to her and were amazed to know her three decades work experience in the Education and Training Sector. She also spoke about teamwork and emphasized on how it is helpful to solve difficult problems and to come up with creative ideas. She has explained about these skills in detail by showing us a presentation which was very helpful for us to understand it better.

webinar is followed by announcing the **winners** for the **Essay Writing Competition** that was conducted by **IEEE WIE Hyderabad Section** in collaboration with **IEEE VNR WIE AG** and **IEEE VCE WIE AG** on the occasion of **International WIE Day**.



Ms. Padma Juluri
Education Services Advisor
PCMC Smart City Project, Pune



A
Webinar on
"Team Work and Life Skills for a Successful Career"

27th June 2020, 11:30 AM - 1:00 PM (IST)

Essay writing competition

IEEE HYDERABAD SECTION WIE AG IN ASSOCIATION WITH
IEEE VARDHAMAN WIE AG AND IEEE VNVRJET WIE AG

PRESENTS
ESSAY WRITING COMPETITION
On occasion of
INTERNATIONAL WOMEN IN ENGINEERING DAY

TOPICS:

- 1. WOMEN EMPOWERMENT
- 2. SAFETY OF WOMEN IN INDIA
- 3. IN YOUR WORDS WHAT IS FEMINISM
- 4. ROLE OF WOMEN IN ENGINEERING PROFESSION

UPLOAD AT:-
<https://bit/vce-essay>

WIN EXCITING PRIZES

Last date for submission:
25 JUNE 2020



On the occasion of "**International Women In Engineering Day**" **IEEE WIE AG Hyderabad Section** in association with **IEEE VCE SB** organized **Essay writing competition** on **23 rd June 2020**. Participants were asked to write the essay on the topic "**Women Empowerment, Safety of Women in India, In your words What is Feminism and Role of Women in Engineering**". The essays were submitted through the google forms and the sheets are evaluated by **Ms. Sangeeta Singh** and **Dr. M. A. Jabbar**. The next level of scrutiny has done by them. After the evaluation the students who are selected by **Ms. Sangeeta Singh** and **Dr. M. A. Jabbar** are awarded with certificates on 27th June 2020.



Microwave Theory and Techniques Society

Guest Lecture on Basics of Antennas

VARDHAMAN COLLEGE OF ENGINEERING
HYDERABAD
Autonomous Institute affiliated to JNTUH

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

One Day Technical Track on
BASICS OF RF COMMUNICATION – ANTENNAS AND SYSTEMS
7th March 2020

Speakers :- Dr. P. Nageshwar Rao
Dr. Sulakshana Chilukuri

IEEE MTT SOCIETY in **Vardhaman College of Engineering** had organized a guest lecture on "Basics of Antennas" for the students of B. tech - II & III Year - In 3rd Block - 3001, Advanced Communications Lab, on **7 March 2020**. The Speaker for the lecture is **Dr. P Nageshwar Rao**, who is presently working as the Dean in Department of ECE, VCE - HYD, having specialized in field on communication and working in the institution over the past 4 years. Another speaker for the session is **Dr. Sulakshana Chilukuri** who is presently working as an associate professor in Department of ECE, VCE-HYD, having specialized in the field of antennas and working in the institution over the past 3 years.

- In his lecture **Dr. P Nageshwar Rao** discussed the need for antennas in the field of communication by explaining the concepts of transmission lines. In that he explained about the Reflection coefficient and Standing wave Ratio and moved to the antenna's basics.
- Lecture further proceeded by the discussing on the various Antenna Parameters like Gain, Directivity, Radiation Intensity, Efficiency, Impedance, Bandwidth, Polarization, Radiation Resistance.
- Later the lecture was continued by **Dr. Sulakshana Chilukuri** on the importance and need of the software known as **HFSS** (High Frequency Structure Stimulation) which was developed by **ANSYS**. The lecture concluded by making students to design and simulation of the Microstrip antenna.

DESIGN OF THE ANTENNAS FOR DEFENSE APPLICATIONS

by Mr. K. Sambasiva Rao

In his lecture **K Sambasiva Rao** discussed the need for antennas in the field of defense by explaining the concepts of **theorems involved in the antenna design**. In that he explained about the basic design equation for antenna, filter and all RF circuit design. After that he explained the different antenna parameters which include Gain, Directivity, Radiation Intensity, Efficiency, Impedance, Bandwidth, Polarization, Radiation Pattern, losses. He also explained about the Antenna parameters measurement, Antenna Design cycle, challenges of antenna design for defense, different types of antennas which are based on RF coverage, Frequency of operation, service provided.

IEEE VCE SB
IN ASSOCIATION WITH IEEE HYDERABAD SECTION
presents

Webinar on Design of antennas for defense applications

K Sambasiva Rao
Scientist, Radar Antennas and Components Division, Research centre Imarat, DRDO, Hyderabad

Register here: bit.ly/Vce_defence

on 15th of May 2020, 6:00 PM

Further the session was about the Omni antennas, Pencil Beam Antennas, Broadband Antennas, Frequency Independent Antennas, Fan Beam Antennas, Phased Array Antennas, Synthetic Aperture Radar Antennas, Antennas for Deep Space Applications, Tilted Beam Antennas, Monopulse Antennas. The main part of the session is Fabrication of Slotted Waveguide Antenna, Pointed Monopulse Antennas, Switched Beam Antennas, Active Antennas for GPS+GLONASS Service, Antenna for Satellite data link application, Antenna for Satellite and Telecommand application. The session concluded by the interactive Session with the audience which include various types of questions on Research and Development of Antennas.

SMART CITIES & ICT VERTICALS



by Mr. M Suresh Kumar

In his lecture **M Suresh Kumar** explained how different works from different branches help in keeping cities smart, and ICT means information and communication technology and explained about IoT.

Further the session was about how IoT used in public safety, smart transportation, smart health, smart education, smart streetlight, smart parking, smart agriculture, waste management, hybrid energy, robotics, drones, smart building ,smart home, data center.

There are many advantages of smart cities like when people go through any accident people can contact nearby hospital or ambulance. In any emergency situations **IoT** is useful like CCTV cameras, drones, robotics etc. By making smart cities most of time and energy is saved by using smart agriculture we can get best results in agriculture, by using smart health people can contact doctors through phone and by using smart education students can listen to class at home.

Nowadays, finding a parking spot is very tough but **IoT** makes it simple for people, they can secure the parking spot which does not allow others to use it, if used in malls or buildings or parking areas it saves lot of time, By giving real life examples speaker gave us many project ideas on various topics.

At conclusion we can use IoT in present pandemic situation like if we test **COVID** positive where we should go, which doctor we have to consult and is any bed available in hospitals or not and devices to know temperature of person

EM CAD Tool – Ansys HFSS

In this webinar the speakers discussed the **Antenna fundamentals** by explaining the concepts and introduction of theorems involved in the antenna design and transmission lines. In that they explained about Microstrip antenna feeding techniques, Reflector antenna. After that they explained the design of Rectangular Patch antenna using a probe in **IE3D** and also in **HFSS**. They also explained about the analysis of results and applying Parametric analysis using Optimetrics.

Further the session was about Circularly polarized antennas using dual probe feed in **HFSS**. Design of Patch antenna using Line feed, Reconfigurable Antenna design, Dipole antenna and also its theory have been explained clearly.

The main part of the session is the Design of monopole antenna using CPW feeding based on IEEE paper. In **HFSS**, Optimetric analysis, design of Power Divider and Design filters. Speakers concluded by their own experience of research and scope of Antennas in the field of communication and defense. The session concluded by the interactive Session with the audience which include various types of questions on Research and Development of Antennas.



Power & Energy Society



VCE IEEE SB
Presents
Workshop on Amateur Radio

DEC 12th & 13th, 2019 | VCE

Speaker
DR. MIROSLAV SKORIC
Secretary at Amateur Radio Union of Vojvodina, Serbia.

www.vardhaman.org

VARDHAMAN COLLEGE OF ENGINEERING, HYDERABAD | DECEMBER 12th & 13th, 2019

Amateur Radio

by Dr. Miroslav Skoric

Amateur Radio workshop is of two days workshop conducted from **12 Dec 2019 to 13 Dec 2019**. Organized under **Power and Energy Society** under **IEEE VCE SB**. 150 students are attended and **Rammohan** and **Jayanthi Sri Bede** are the guests for the event. First day the session was taken by **Dr. Miroslav Skoric** by explaining about **HAM radio** and described about each and every component. Also he explained in detailed about Packet radio. Second day the session was taken by **Jayanthi Sri Bede** by giving an overview about **Amateur Radio** and its significance and some more information about **HAM radio**.

This two sessions were so useful and gained knowledge a lot. Due to hands on session the students were very curious to learn. Participants have learned a lot of things and enjoyed a two days of workshop.

OPPORTUNITIES ON DATA SCIENCE

by Mr. Vijay Pravin Maharajan

Data science is an inter-disciplinary field that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from many structural and unstructured data. A webinar on data science was organised by **Power and Energy Society** under **IEEE VCE SB** during lockdown. "**WEBINAR ON OPPORTUNITIES ON DATA SCIENCE**" was taken by **Mr. Vijay Pravin Maharajan** on **April 19 th from 5PM to 6:30PM**.

As data science is termed as one of the most important topics of recent times this provided a platform for students to explore on the possibilities and opportunities related to data science. Students have learned data analysis methods and some techniques. How opportunities of data science play an important role in future. He also highlighted some of the points like how to face interview and how to be prepare for it. It has been a wonderful session



IEEE VCE SB
PRESENTS
Webinar on Opportunities on Data Science



by
VIJAY PRAVIN MAHARAJAN

IN ASSOCIATION WITH

IEEE PES
IEEE EDUCATION SOCIETY CHAPTER

APRIL 19TH, 05:00 PM TO 06:30 PM

Last date to register: APRIL 18TH, 2020
REGISTER AT: <https://bit.ly/pes-datascience>

The banner features the logos of Vardhaman College of Engineering, IEEE VCE SB, IEEE Women in Engineering (WIE), IEEE PES, and IEEE PES Day 2020. It includes the text "IEEE VCE SB PRESENTS webinar on Evolution of Talent Acquisition in the current times by vikas dua IN ASSOCIATION WITH IEEE PES IEEE Women In Engineering Affinity Group APRIL 22nd, 05:00 PM TO 06:30 PM Last date to register: APRIL 21st, 2020 REGISTER AT: <https://bit.ly/pes-hr>".

Evolution of Talent Acquisition in the Current times

by Mr. Vikas Dua

The webinar was organized by **Power and Energy Society** under **IEEE VCE SB** on Wednesday 22nd April, 2020 at 05:00 PM IST. The topic for the webinar is on "**Evolution of Talent Acquisition in the current times**" by **Vikas Dua** HR Transformation Leader, Tedx Speaker, campus Collaborator.

The speaker Vikas Dua enlightened with Talent Acquisition have handled global portfolios in Talent Acquisition. Description on enhancing and democratizing knowledge sharing in the academic space. It was a very interactive session with students. Students have benefited a lot by attending this webinar and clarified their doubts about present situation in the world.

Article Writing Contest

Expression in any form can be a powerful way to relieve stress and work through tough personal problems. Article writing is a piece of writing written focusing on large audience. Better productivity, more memory power, improvement of knowledge, better vocabulary skills are some of the benefits of article writing. In lockdown period **IEEE VCE SB** in association with **PES** has conducted an **Article writing competition** on the

topics:

1. **Clean Energy**
2. **Alternative Energy**
3. **Power Energy**

This article writing competition has got a huge response. This helped students to gain knowledge on the energy topic. Some exciting prizes have been given to top 3 winners.

The banner features the logos of Vardhaman College of Engineering, IEEE VCE SB, IEEE Computer Society, IEEE PES, IEEE PES Day 2020, IEEE CAS, IEEE MTT-S, and IEEE Education Society. It includes the text "VCE IEEE SB PRESENTS ARTICLE WRITING CONTEST TOPICS: Clean Energy, Alternative Energy, Power Energy *WIN EXCITING GIFTS.... SUBMIT BY APRIL 22, 2020 SUBMIT AT: bit.ly/vce-article".



IEEE Education Society Chapter

Model GATE Online Exam

Graduate Aptitude Test in Engineering is an examination that primarily tests the comprehensive understanding of various undergraduate subjects in engineering and science.

A MODEL GATE ONLINE EXAM to be conducted on 6th April 2020 at 3:00 PM under **COMPUTER SCIENCE DEPARTMENT** organized by **IEEE VCE SB** in association with **IEEE VCE SB Educational Society Chapter** where 700 student members participated in the contest and 98 colleges and 6 countries members participated in the contest. The Contest was for 3 hours where 100 questions were given. The Winners were awarded with appreciation certificate.



IEEE COMPUTER SOCIETY, HYDERABAD SECTION PRESENTS
IEEE CS EKALAVYA
(Test Your Engineering Skills against Competitive Exams)

Organized In Association with
IEEE Vardhaman College of Engineering Student Branch(STB02391)
Apply at : bit.ly/cs-ekalavya

Last Date to Register: 5th April 2020.
Co-Ordinators:
Sai Prashanth: 7093319953
D. Ajay: 8142074880

Starts at 3:00pm - Ends at 6:00 pm ,
| April 6th, 2020

Advances in Machine Intelligence

by Prof. Santosh Chapaneri



IEEE VCE SB presents
Advances in Machine Intelligence
Prof. Santosh Chapaneri

Dept of ECE,
St. Francis Institute of Technology,
Mumbai

Event Link: <https://bit.ly/A-M-I> Date: 03-05-2020 Time: 04pm - 05:30pm

[f](#) IEEEVCESB [i](#) IEEEVCESB

Any sufficient advanced technology is indistinguishable from magic Quarantine has made us all constrain to our natives, Right?! **IEEE VCE SB** is now ready to wipe out your minds from a pandemic, with the webinar "**Advances in Machine Intelligence**" Quarantine makes you ascertain but VCE Sb enriches, enlightens your knowledge and mind power. Batten your minds, experience the flow of learning from the expert "**Prof. Santosh Chapaneri**", Professor, St. Francis Institute of Technology, Mumbai. Then what are you waiting for, come on explore and combine to create more realistic experiences. Organized in Association with **IEEE VCE SB EDUCATIONAL SOCIETY CHAPTER** and **IEEE VCE SB COMPUTER SOCIETY CHAPTER**

Myths and Facts on Data Science

by Mr. Madhu Vadlamani

Any sufficient advanced technology is indistinguishable from magic Quarantine has made us all constrain to our natives, Right?!

IEEE VCE SB is now ready to wipe out your minds from a pandemic, with the webinar "**Myths and Facts on Data Science**" Quarantine makes you ascertain but **IEEE VCE SB** enriches, enlightens your knowledge and mind power. Batten your minds, experience the flow of learning from the expert **Mr. Madhu Vadlamani, Senior Lead - Web and Data Analytics. Marketing Specialist.**



IEEE VCE SB presents
Myths and facts on Data Science

Madhu Vadlamani

Sr lead - Web & Data Analytics,
Speaker,
Growth hacker,
Marketing Specialist

Event Link: https://bit.ly/data-sci_vce Date: 04-05-2020 Time: 11:00am - 12:00pm

[f](#) IEEEVCESB [i](#) IEEEVCESB

Then what are you waiting for, come on explore and combine to create more realistic experiences. Organized in Association with **IEEE VCE SB EDUCATIONAL SOCIETY CHAPTER** and **IEEE VCE SB COMPUTER SOCIETY CHAPTER**

Big Data and Bigdata Analytics

by Dr. Hemant Gianey

Any sufficient advanced technology is indistinguishable from magic Quarantine has made us all constrain to our natives, Right? **IEEE VCE SB** is now ready to wipe out your minds from a pandemic, with the webinar "**Big Data and Bigdata Analytics**" Quarantine makes you ascertain but VCE Sb enriches, enlightens your knowledge and mind power. Batten your minds, experience the flow of learning from the expert "**Dr. Hemant Gianey**", Expert Bigdata Analytics Data mining and Machine Learning. Then what are you waiting for, come on explore and combine to create more realistic experiences. Organized in Association with **IEEE VCE SB EDUCATIONAL SOCIETY CHAPTER and IEEE VCE SB COMPUTER SOCIETY CHAPTER**

Event Link: https://bit.ly/BDA_VCE Date: 05-05-2020 Time: 12:30am - 02:00pm

Facebook: [/IEEEVCESB](#) Instagram: [/IEEEVCESB](#)

Securing Right Job: Challenges and Preparations

Event Link: https://bit.ly/SRJ_VCE Date: 06-05-2020 Time: 05:00pm - 06:30pm

Facebook: [/IEEEVCESB](#) Instagram: [/IEEEVCESB](#)

by Mr. Emmanuel Gosula

IEEE VCE SB is now ready to wipe out your minds from a pandemic, with the webinar "**Securing Right Job: Challenges and Preparations**". Quarantine makes you ascertain but **IEEE VCE SB** enriches, enlightens your knowledge and mind power.

Batten your minds, experience the flow of learning from the expert **Mr. Emmanuel Gosula Senior Resource Development Manager, Epam Systems**. Then what are you waiting for, come on explore and combine to create more realistic experiences. The Bigdata Analytics Was a keen a part with visualization

COVID 19 Effect on Future IT Jobs

by Mr. Venkat Kotapati

IEEE VCE SB along with **IEEE Computer Society & IEEE Education Society** is now ready to wipe out your minds from a pandemic, with the webinar "**COVID 19 Effect on Future IT Jobs**"

Quarantine makes you ascertain but **IEEE VCE SB** enriches, enlightens your knowledge and mind power.

Batten your minds, experience the flow of learning from **Mr Venkat Kotapati, CEO Vivilex Technologies**

Then what are you waiting for, come on explore and combine to create more realistic experiences

Event Link: <https://bit.ly/vce-it> Date: 26TH MAY 2020 | 05:00PM - 06:30 PM(IST)

Facebook: [/IEEEVMESB](#) Instagram: [/IEEDEVARDHAMAN/](#)



Signal Processing &



Communication Society Chapter

Future Challenges in Wireless Communication

by Mr. N. Venkatesh

IEEE VCE SB in association with **IEEE Communication Society and IEEE Signal Processing Society** now been ready to wipe out your minds from a pandemic, with the webinar on **Future Challenge in Wireless Communications**.

his Talk mainly focused on wireless communications and the future in it. The speaker **Mr. N. Venkatesh** is **Ex IEEE Hyderabad section chair** and he has great knowledge in communication domain. In this he explained about wireless communications and how to learn it

IEEE VARDHAMAN SB

Presents

Webinar on Future Challenges in Wireless Communications



MR. N VENKATESH

Senior Director, Engineering,
Silicon Labs inc.

On 17th May, 2020 from 11:00am - 12:00pm



Hands-on Session on Raspberry pi and AWS Cloud

IEEE VARDHAMAN SB

presents

Hands-on Session on Raspberry PI using AWS cloud



Mr. Bhavani Shankar
CEO & Director,
Think-IoT Solutions



Mr. Chandrakanth R
Sr. Embedded Engineer,
Think-IoT Solutions

Register here: https://bit.ly/vce_aws

Date: 18, 19, 20 May, 2020.

Time: 10:30am - 11:30am



IEEE VCE SB in association with **IEEE Communication Society and IEEE Signal Processing Society** now ready to wipe out your minds from a pandemic, with the webinar "**Hands-on Session on Raspberry pi and AWS Cloud**"

Quarantine makes you ascertain but VCE SB enriches, enlightens your knowledge and mind power. Batten your minds, experience the flow of learning from the expert **Mr. Bhavani Shankar CEO & Director, Think-IoT Solutions and Mr. Chandrakanth R Sr. Embedded Engineers, Think-IoT Solutions**.

Core Industry with NI

IEEE VCE SB in association with **IEEE Communication Society and IEEE Signal Processing Society** now ready to wipe out your minds from a pandemic, with the webinar "**Core Industry with NI**"

This is actually a 2 day talk, On day 1 territorial manager of Ni has delivered a great experienced talk about NI and explained the need and trend of it And on day 2 other speaker explained the NI Tool and shown how to implement any thing on NI

IEEE VARDHAMAN SB

Presents

Webinar on 'Core Industry - with NI'



Mr. Ajay Kumar
Founder & CEO,
Cognibot Robotics



Mr. Visweswaran
Territory Manager,
National Instruments, Bangalore

21-23 May, 2020. 10:30 - 11:30am



IEEE VCE SB
presents
webinar on Industry 4.0



Divyanshu Verma
Sr Manager Intel R&D, Bangalore

Register here: https://bit.ly/vce_industry on 15th of May 2020, 2:00PM - 3:00PM



Industry 14.0

by Mr. Divyanshu Verma

IEEE VCE SB in association with **IEEE Communication Society and IEEE Signal Processing Society** now ready to wipe out your minds from a pandemic, with the webinar "Industry 14.0"

Quarantine makes you ascertain but **IEEEVCE SB** enriches, enlightens your knowledge and mind power. Batten your minds, experience the flow of learning from the expert **Mr. Divyanshu Verma, Sr. Manager Intel R&D, Bangalore**

The Event mainly focused About the latest trends in Today's Industry The Speaker Discussed About the trending technologies like IOT , AI , Machine Learning and Many more. He gave a giant Knowledge to participants so that they can excel in future

Cyber Security considerations for today's Global Change

Nowadays, from individuals to multinational companies, the whole world relies on the computer systems, allowing hackers to attack every 39 seconds at an average of 2244 times a day. With this, Cybercrimes are creeping up and the hackers are becoming more intelligent. The last decade has witnessed a serious rise in the cybercrimes affecting the information systems across the globe. Publicizing the personal details in social media, insecure passwords may not certainly cause cyberattacks but fails to prevent them. India has seen a 37% increase in cyberattacks during the first quarter of 2020, especially in the Asia-pacific region. This has a direct and significant impact on jobs, innovation, economic growth, and investment. Cybercrimes can be encountered in social media, businesses or any government agency and may originate from an anonymous source.

In the world full of chaos, ways to generate the wealth are ever-expanding. But, most of the people choose smart work while only a few attributes to hard work. Moreover, hacking has become a trend for many people and are using their talent in an undesirable manner leading to cybercrimes. Inspite of using the computer to make something productive, people are using it as a weapon, targeting another computer to steal the data, and then change or destroy it to store illegal information by using computer as an accessory.



PES Day 2020 Activities

Implications of Covid'19 issue on Current Engineering Graduates

by Mr. Durga Naveen Kandregula

IEEE VCE SB, PES Chapter organized **IEEE Pes Day Activities "Webinar on Implications of Covid'19 issue on Current Engineering Graduates"** on 17 th April 2020 at 5:00 Pm to 6:30 Pm in association with **IEEE VCE SB** and **IEEE VCE SB Educational Society Chapter** to engage, evolve and Emerge in the Implications of Covid'19 issue on Current Engineering Graduates.

During the webinar 160+ Participants have attended the webinar, where the key insights were on COVID-19 is having a massive impact on construction projects, but the legal implications vary from country to country, and contract to contract. A number of governments have also ordered that certain businesses stop working. However, the construction industry has generally not been the subject of ordered shutdowns. That said, the situation is evolving and several countries have now ordered the suspension of all non-



IEEE VCE SB

PRESENTS

webinar on Implications of Covid'19 issue on Current Engineering Graduates

by

Durga Naveen Kandregula

IN ASSOCIATION WITH:

IEEE PES
IEEE EDUCATION SOCIETY CHAPTER

APRIL 18TH, 05:00 PM TO 06:30 PM

Last date to register: APRIL 17TH, 2020
REGISTER AT: <https://bit.ly/pes-vce-covid>

essential businesses, which would cover most construction projects. In a few countries, there have even been specific orders requiring construction sites to close, or entitling contractors to suspend works and to extensions of time until the end of the state of emergency period. Force majeure will typically only excuse non-performance of those obligations, which are affected by the specific event. This raises questions, for instance when certain activities (e.g., design activities) can be continued, while others cannot. The requirement that the consequences of force majeure cannot be overcome is also potentially significant, because a contractor may be able to take measures to allow the works to continue, although at a reduced rate. Indeed, some employers are refusing to acknowledge the existence of a force majeure situation on this very basis.

Evolution of Talent Acquisition in the Current Times.



IEEE VCE SB

PRESENTS

webinar on Evolution of Talent Acquisition in the current times

by

vikas duu

IN ASSOCIATION WITH:

IEEE PES
IEEE Women In Engineering Affinity Group

APRIL 22nd, 05:00 PM TO 06:30 PM

Last date to register: APRIL 21st, 2020
REGISTER AT: <https://bit.ly/pes-hr>

by Mr. Vikas Dua

IEEE VCE SB, PES Chapter organized IEEE Pes Day Activities **"Webinar on Evolution of Talent Acquisition in the current Times"** 22 nd April 2020 at 5:00 Pm to 6:30 Pm in association with **IEEE VCE SB** and **IEEE VCE SB Educational Society Chapter** to engage, evolve and Emerge in the current times. During the webinar 150+ Participants have attended the webinar, Talent Acquisition is the process of attracting, acquiring, and retaining candidates whose skills, experiences, and personalities suit the needs of an organization. Talent Acquisition has become more global and structured over time. Current trends in Talent Acquisition suggest that, going forward, Talent Acquisition will become more cost-effective, efficient, and quicker with the development of automated Talent Acquisition technologies and services. As Talent Acquisition became more global, the process of attracting, acquiring and retaining the right talent has become more structured. Let's look at how,

exactly, talent acquisition is done today. According to Laurie McIntosh of the Society for Human Resources Management. (SHRM) the process of talent acquisition today has four key steps: workforce planning, recruitment, onboarding, and retention.

Image Processing and its applications

by Dr. Abhishek Appaji

IEEE VCE SB, PES Chapter organized IEEE Pes Day Activities "**Webinar on Image Processing and its Applications**" by **Dr. Abhishek Appaji** 21 st April 2020 at 5:00 Pm to 6:30 Pm in association with **IEEE VCE SB and IEEE VCE SB Computer Society Chapter** to engage, evolve and Emerge in the current times.

During the webinar 150+ Participants have attended the webinar, image processing is the application of signal processing techniques to the domain of Images – two-dimensional signals such as photographs or video. It is one of the widely used application for processing digital images. It also means "**Analyzing and manipulating images with a computer**". Digital image processing has become economical in many fields like signature recognition, iris recognition and face

IEEE VCE SB
PRESENTS
Webinar on Image Processing
and its Applications
by
Dr. Abhishek Appaji
IN ASSOCIATION WITH:
IEEE PES
IEEE Computer Society
APRIL 21st, 05:00 PM TO 06:30 PM

recognition, in forensics, in automobile detection and in military applications. Each of these applications has its basic requirements, which may be unique from the others. Everyone is concerned and demands a system as faster, more accurate, cheaper and more extensive computation. Various image processing operations to illustrate the basic concepts and to use them in different fields with minor changes in the methodology. This paper discusses about the basic technical aspects of digital image processing with reference to be categorized into three groups as: Image Rectification and Restoration, Enhancement and Information Extraction. Importance of digital image processing and its applications are also discussed from the fields of computer vision and other applications. An image is defined as an array, or a matrix, of square pixels arranged in rows and columns. Image processing is a procedure of converting an image into digital form and carry out some operation on it, in order to get an improved image and to retrieve some important information from the image.

Webinar on Opportunities on Data Science



IEEE VCE SB

PRESENTS

Webinar on Opportunities on Data Science

by

VIJAY PRAVIN MAHARAJAN

IN ASSOCIATION WITH:

IEEE PES
IEEE EDUCATION SOCIETY CHAPTER

APRIL 19TH, 05:00 PM TO 06:30 PM

Last date to register: APRIL 18TH, 2020
REGISTER AT: <https://bit.ly/pes-datascience>

by Mr. Vijay Pravin Maharajan

IEEE VCE SB, PES Chapter organized IEEE Pes Day Activities "**Webinar on Opportunities on Data Science**" by **Mr. Vijay Pravin Maharajan** on 19 th April 2020 at 5:00 Pm to 6:30 Pm in association with **IEEE VCE SB and IEEE VCE SB Educational Society Chapter** to engage, evolve and Emerge in the current times.

During the webinar 150+ Participants have attended the webinar, Data science is an inter-disciplinary field that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from many structural and unstructured data. Data science is related to data mining, deep learning and big data. Data science continues to evolve as one of the most promising and in-demand career paths for skilled professionals. Today, successful data professionals understand that they must advance past the traditional skills of analyzing large amounts of data, data mining and

programming skills. In order to uncover useful intelligence for their organizations, data scientists must master the full spectrum of the data science life cycle and possess a level of flexibility and understanding to maximize returns at each phase of the process. Effective data scientists are able to identify relevant questions, collect data from a multitude of different data sources, organize the information, translate results into solutions, and communicate their findings in a way that positively affects business decisions. These skills are required in almost all industries, causing skilled data scientists to be increasingly valuable to companies. In the past decade, data scientists have become necessary assets and are present in almost all organizations. These professionals are well-rounded, data-driven individuals with high-level technical skills who are capable of building complex quantitative algorithms to organize and synthesize large amounts of information used to answer questions and drive strategy in their organization.

Upcoming Events




IEEE Computer Society Chapter - Hyderabad Section
in association with
IEEE Vardhaman College of Engineering Student Branch
presents
WEBINAR ON

"ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING FOR CYBER SECURITY"

Date | Time
Monday, 10th August, 2020 | 11:00 AM (IST)

Register at bit.ly/CSAIMLCYBER

Last Date to register : 9th August, 2020.

Dr. Chunce Lance Fung
Immediate Past Chair, IEEE New Initiatives Committee Chair, IEEE R10 Educational Activities Committee

Dr. Supavadee Aramvith
R10 Section & Chapter Committee Chair/ MCA/TAB Adhoc on Chapter support

[Facebook](#) [Twitter](#) [Event Page](#)




IEEE Computer Society Chapter - Hyderabad Section
in association with
IEEE Vardhaman College of Engineering Student Branch
presents
WEBINAR ON

"DEEP LEARNING BASED VIDEO ANALYTICS FOR SURVEILLANCE IOT APPLICATIONS"

Date | Time
Thursday, 6th August, 2020 | 4:00 pm - 5:30 pm

Register at bit.ly/CSDEEPLearning

Last Date to register : 5th August, 2020.

Dr. Supavadee Aramvith
R10 Section & Chapter Committee Chair/ MCA/TAB Adhoc on Chapter support

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IEEE Hyderabad Section Women in Engineering Affinity Group
In association with
IEEE Women in Engineering Affinity Group
under IEEE Vardhaman SB
Presents

WEBINAR ON

CHANGE THE WORLD-TO BE A CHANGE MAKER



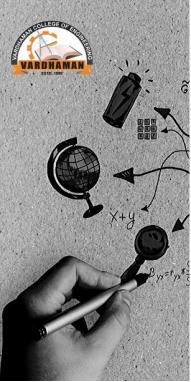

1 AUGUST 2020
6:00 PM-7:00 PM


MAKING CHANGE

Ms.Emi Yano
R10 WIE Chair 2019-2020
Ricoh IT Solutions

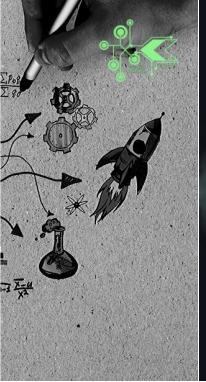
REGISTRATION LINK: https://bit.ly/vce_change

Formation of New Chapters



IEEE Education Society
IEEE EDUCATION SOCIETY CHAPTER SB VCE

IEEE VCE SB
Proudly announcing the approval of
Education Society Student Chapter





IEEE SP SBC VCE

IEEE VCE SB
Proudly announcing the approval of
Signal Processing Society Student Chapter

Student Branch of IEEE VCE has finally has come to rejoice the approval of the most sensetalional occurrence ever that's the formation of IEEE EDUCATIONAL SOCIETY CHAPTER and IEEE SIGNAL PROCESSING SOCIETY CHAPTER in the year 2020

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**Change your thought
and
you change your world**

-Norman Vincent Peale

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