IEEE

IEEE SIRCRRCOE SB NEWSLETTER 2021

SIR CRR COE
IEEE Student Branch

IEEE Women in Engineering
We
IEEE SIRCRRCOE Women in Engineering
STUDENT BRANCH AFFINITY GROUP

IEEE Signal Processing Society

PRESIDENT'S MESSAGE

Institute of Electronics and Electrical Engineers (IEEE) is undoubtedly the most reputed global body for engineers all over the world. They are under the vision of "Advancing technology for humanity" undertaking several community service projects and technical programs in order to uplift mankind via technology amelioration.

Personally, it is a pleasure for me to see the status the IEEE SIRCRRCOE Student Branch has currently achieved. Yet, the target is still far. We are half past the way to it and a longer distance to travel. So, I wish the student branch good luck to accomplish the goals successfully during the year ahead.

Sri Alluri Indra Kumar
PRESIDENT
Sir C R Reddy Educational Institutions

SECRETARY'S MESSAGE

Student Branches provide IEEE Student members a networking opportunity to meet and learn from fellow students, as well as faculty members and professionals in the field to share their interests, future professions, and ideas. In addition to improving their soft and hard skills, An active IEEE Student Branch can be one of the most positive elements in a department, offering programs in IEEE designated fields of Engineering, Computer Science and Information programs in IEEE designated fields of Engineering, Computer Science and Information Technology, as well as similarly related fields of interest.

I compliment the entire team for their hard work. The IEEE effort as a TEAM in the past, the indomitable will, and the zeal to excel in the future prove beyond doubt that "WHEN THE GOING GETS TOUGH, THE TOUGH GETS GOING". May I express a wish to all the worthy mentors to motivate the students to ensure the "TOTAL INVOLVEMENT" in all future endeavors.

Dr. M. B. S. V. Prasad
SECRETARY
Sir C R Reddy Educational Institutions

MESSAGE FROM CORRESPONDENT

An IEEE Student Branch provides opportunities to meet and learn from fellow IEEE Student and Graduate Student Members and engage with professional IEEE members locally. An active IEEE Student Branch can be one of the most positive elements of your academic career, offering programs, activities, and professional networking opportunities that build critical skills outside of the classroom. IEEE currently has Student Branches at thousands of universities and colleges in hundred of countries throughout the world.

I wholeheartedly extend my support for the IEEE Student Branch in all their endeavors.

Sri Jasti Mallikarjunudu
CORRESPONDENT
Sir C R Reddy College of Engineering

PRINCIPAL'S MESSAGE

IEEE is the world's largest leading professional association for the advancement of technology. IEEE and its members inspire a global community through IEEE's highly cited publications, conferences, technology standards, and professional and educational activities. IEEE offers a wide range of learning, career enhancement, and employment opportunities within the engineering sciences, research, and other technology areas. IEEE's core purpose is to promote technological innovation and excellence for the benefit of humanity. IEEE 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.

Much of this was the product of many members' hard work and the guidance of our beloved teachers. The IEEE SIRCRRCOE Student Branch and the ExCom have always strived to provide value to their members and serve as a forum for students who are passionate about technology to connect and express their passions.

Dr. K. Venkateswara Rao

PRINCIPAL

Sir C R Reddy College of Engineering

BRANCH COUNSELLOR MESSAGE

Many are educated Engineers, but very few are real engineers. There is an outflux of engineers being passed out but yet a dearth of engineers remains. How does this happen? The answer is lack of quality. Engineers of quality are still a dearth in our society. This is one of the places where IEEE has time and time again showed its value and worth. The opportunities of learning and experience that IEEE provides have always filled in where academia was missing out Producing standard engineers who actually contribute the society has always been an aim for IEEE Student Branch.

I take this opportunity to appreciate the hard work and dedication of the IEEE ExCom team we have here at SIRCRRCOE.

Dr. T. Venkateswara Rao
Professor & HOD-ECE
IEEE Senior Member & SB Counsellor
IEEE SIRCRRCOE Student Branch
Sir C R Reddy College of Engineering

MESSAGE FROM CHAIR

I behold with immense satisfaction the progress IEEE SIRCRRCOE Student Branch has made this year. Educational institutions can be beacons for the youth only by remaining truthful to their vision. The youth would then be able to ascertain what is right for them and grow into morally upright, responsive humans and responsible citizens of the world.

A significant breakthrough in the last year was the diversification of the student branch into societies and affinity groups, which gave more volunteering opportunities and more value to the student branch members.

Electrons when heated never rest however hard neutrons and protons try to pacify it, so are we when we are heated with the ambition to learn, achieve and grow.

Addepalli Vamsi Krishna

CHAIR

4/4 ECE

IEEE SIRCRRCOE Student Branch

Sir C R Reddy College of Engineering

IEEE SIRCRRCOE STUDENT BRANCH (STB11558)

About Student Branch

IEEE Sir. C.R.Reddy College of Engineering Student Branch (STB11558) was established on 20th October 2019. The largest technical professional organization elevates the qualities of the members with its conference, technology standards, professional and education activities.

IEEE SIRCRRCOE STUDENT BRANCH FACULTY MEMBERS - 2021

Dr. K. Venkateswara Rao
Principal,
Sir C R Reddy College of
Engineering

Dr. T. Venkateswara Rao
IEEE Senior Member & IEEE
Student Branch Counselor
Professor and HOD-ECE,
IEEE AWP & IEEE MTT-S
Society Member
Sir C R Reddy College of
Engineering.

Dr. R. Satish
IEEE Faculty Coordinator &
IEEE Antennas and
Propagation Society Member
Associate Professor,
Sir C R Reddy College of
Engineering.

Dr. P. H. S. Tejo Murthy
IEEE Signal Processing
Society Member, IEEE SPS
SB Faculty Advisor &
Professor,
Sir C R Reddy College of
Engineering.

IEEE SIRCRRCOE STUDENT BRANCH FACULTY MEMBERS - 2021

N. Lavanya
IEEE Signal Processing
Society Member, IEEE
Women in Engineering
Member, IEEE WIE SB AG
Faculty Advisor & Assistant
Professor,
Sir C R Reddy College of
Engineering

M. Vamsi Krishna. Allu
IEEE Circuit and Systems
Society Member & Assistant
Professor,
Sir C R Reddy College of
Engineering.

V. Ranjith Kumar
IEEE Power & Energy Society
Member
Assistant Professor,
Sir C R Reddy College of
Engineering.

D. Ajaykumar
IEEE Industry Applications
Society Member and Assistant
Professor,
Sir C R Reddy College of
Engineering.

IEEE SIRCRRCOE STUDENT BRANCH EXECUTIVE COMMITTEE - 2021

Vamsi Krishna Addepalli
Chair
4/4 ECE

Srikanth Tholam
Secretary
4/4 ECE

Kiran Kumar Geddam
Vice-Chair
3/4 ECE

Pardhavamsi Chukka
Vice-Secretary
3/4 ECE

Srivaibhavi Gabbita
Treasurer
2/4 ECE

Raja Rajeswari Devi Kambala
Web Master
3/4 ECE

Venkatasaimuralinadh Rompicharla
Web Master
2/4 ECE

IEEE SIRCRRCOE WIE SB AFFINITY GROUP (SBA11558)

About WIE Affinity Group

IEEE SIR C.R.Reddy College of Engineering Women in Engineering Student Branch Affinity Group (SBA11558) was established on 31st March 2021. IEEE WIE is one of the world's leaders changing in the face of engineering. Our global network connects nearly 20,000 members in over 100 countries to advance women in technology at all points in their life and career. IEEE WIE members make lifelong friendships, acquire influential mentors, and make a difference for the benefit of humanity.

IEEE SIRCRRCOE WIE SB AG EXECUTIVE COMMITTEE - 2021

Punnam Chandrika
Chair
4/4 ECE

Kada Lohika
Secretary
3/4 ECE

Pulivarthi Aswini
Vice-Chair
3/4 ECE

Pamarthi Tanuja
Treasurer
2/4 ECE

Undavalli Dhanya Sri
Web Master
2/4 ECE

IEEE SIRCRRCOE IEEE SPS SB CHAPTER (SBC11558)
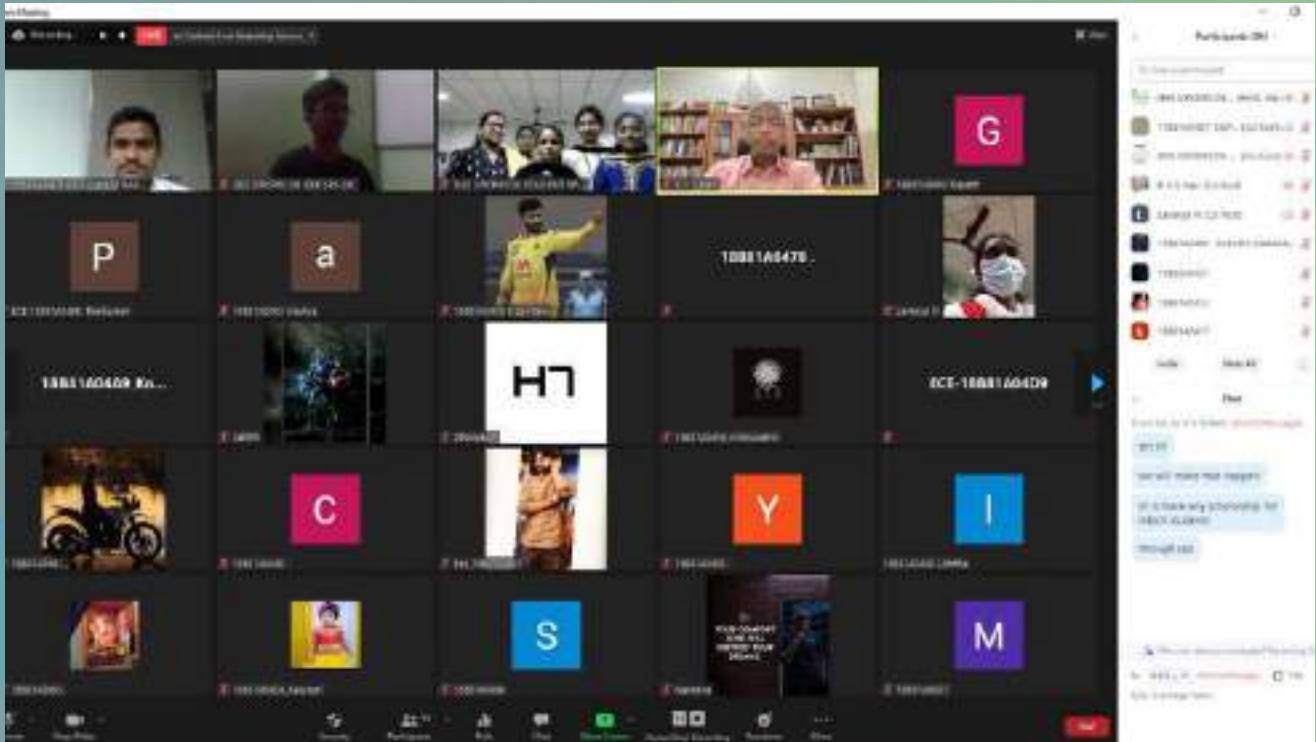
About SPS Student Branch Chapter

IEEE SIR C R Reddy College of Engineering IEEE Signal Processing Society Student branch chapter (SBA11558) was established on 11th May 2021. IEEE Signal Processing is the enabling technology for the generation, transformation, extraction, and interpretation of information. IEEE Signal Processing Society is a diverse global community of signal processing engineers, researchers, students, industry professions, and career stages.
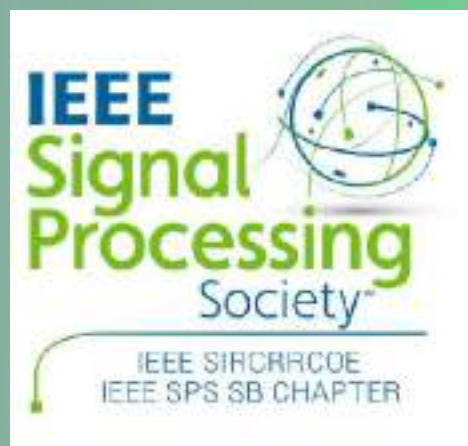
IEEE SIRCRRCOE IEEE SPS SB CHAPTER EXECUTIVE COMMITTEE - 2021

S. Gopichand Raam Datt
Chair
4/4 ECE

Gayatri Gorli
Vice-Chair
3/4 ECE

Hemalatha Kanakam
Secretary
3/4 ECE

Naveena Ambati
Treasurer
2/4 ECE

Keerthi Dosapati
Web Master
2/4 ECE

Sahithisree Puni
Web Master
2/4 ECE

Achivements

Dr. T. Venkateswara Rao

SMIEEE & IEEE SIRCRRCOE SB
Counselor
Professor & HOD-ECE

Had been elevated to the grade of
"Senior Member of IEEE"

Staff Achievements

Dr. P. H. S. Tejo Murthy
Professor

- DESIGN AND MODELLING OF LOW POWER 14NM SINGLE FINSOI-TG-FINFET WITH POWER GATING TECHNIQUE TO LOWER THE POWER DISSIPATION IN STANDBY MODE. Advances in Mathematics: Scientific Journal. 9. 4659-4671. 10.37418/amsj.9.7.33.
- Compact Modeling of Capacitance Based 14 nm Triple Gate FinFET Using Verilog-A

Dr. R. Satish
Associate Professor

- "A new segmentation method For non-ideal iris images using morphological reconstruction FCM based on improved DSA". Springer Nature Appl. Sci. 3, 53 (2021). https://doi.org/10.1007/s42452-020-04110-1 (SCI) cited:1

K. Miranji
Assistant Professor

- "A new segmentation method For non-ideal iris images using morphological reconstruction FCM based on improved DSA". Springer Nature Appl. Sci. 3, 53 (2021). https://doi.org/10.1007/s42452-020-04110-1 (SCI) cited:1
- SIMULATION APPROACH TO DESIGN HIGH SENSITIVE NEMS BASED SENSOR FOR MOLECULAR BIO SENSING APPLICATIONS, European Journal of Molecular &Clinical Medicine, ISSN 2515-8260 Volume 08, Issue 03, 2021.
- Simultaneous tropical disease identification with PZT-5H piezoelectric material including molecular mass biosensor microcantilever collection, www.elsevier.com/locate/sbsr,https://doi.org/10.1016/j.sbsr.2021.100413,Received 8 January 2021; Received in revised form 2 March 2021; Accepted 8 March 2021.6.18

Staff Achievements

D. Ajay Kumar
Assistant Professor

- 3D Analytical Modeling Of Surface Potential And Threshold Voltage Model Of Dm Fintfet With Dual Hetero Gate Oxide Structure, Article History: Received: 11 January 2021; Accepted: 27 February 2021; Published online: 5 April 2021.

P. Srinivasulu
Assistant Professor

- SIMULATION APPROACH TO DESIGN HIGH SENSITIVE NEMS BASED SENSOR FOR MOLECULAR BIO SENSING APPLICATIONS, European Journal of Molecular &Clinical Medicine, ISSN 2515-8260 Volume 08, Issue 03, 2021.

Ch. Jaya Prakash
Assistant Professor

- DETECTION OF VOLATILE ORGANIC COMPOUNDS USING MEMS BASED MICROCANTILEVER: A REVIEW, VOL. 16, NO. 1, JANUARY 2021 ISSN 1819-6608 ARPN Journal of Engineering and Applied Sciences ©2006-2021 Asian Research Publishing Network (ARPN). All rights reserved.

Staff Achievements

K. J. S. Lorraine
Assistant Professor

- Transactions on Emerging Telecommunications Technologies 32 (4), e4242, An efficient interference mitigation approach for NavIC receivers using improved variational mode decomposition and wavelet packet decomposition
- International Journal of Communication Systems 34(7) e4734 Hybrid anti-jamming algorithm for Indian Regional Navigation Satellite System receivers using variational mode decomposition and wavelet packet transform

A. Vamsi Krishna
Assistant Professor

- 3D Analytical Modeling Of Surface Potential And Threshold Voltage Model Of Dm Fintfet With Dual Hetero Gate Oxide Structure, Article History: Received: 11 January 2021; Accepted: 27 February 2021; Published online: 5 April 2021.
- SIMULATION APPROACH TO DESIGN HIGH SENSITIVE NEMS BASED SENSOR FOR MOLECULAR BIO SENSING APPLICATIONS, European Journal of Molecular &Clinical Medicine, ISSN 2515-8260 Volume 08, Issue 03, 2021.

K. Lavanya
Assistant Professor

- 3D Analytical Modeling Of Surface Potential And Threshold Voltage Model Of Dm Fintfet With Dual Hetero Gate Oxide Structure, Article History: Received: 11 January 2021; Accepted: 27 February 2021; Published online: 5 April 2021.
- SIMULATION APPROACH TO DESIGN HIGH SENSITIVE NEMS BASED SENSOR FOR MOLECULAR BIO SENSING APPLICATIONS, European Journal of Molecular &Clinical Medicine, ISSN 2515-8260 Volume 08, Issue 03, 2021.

Student Achievements

Our college students team "LIFE SAVERS" proposals has been selected for "IEEE R10 2021 Special Call for Proposals Related to COVID'19' " from IEEE VIZAG BAY SECTION & IEEE SIRCRRCOE SB.

Project Name :- Smart Oxygen Production

Amount Granted :- USD $400

Region :- Asia - Pacific Region (IEEE R10 Region)

Sir CRR COLLEGE OF ENGINEERING has sanctioned extra Rs.30,000/- for the successful preparation of the project

G Sri Vaibhavi
2/4 ECE
Team lead

Ch Harivalli
2/4 Civil
Team member

G Naga Jyothi
2/4 ECE
Team member

G Bhargavi
2/4 ECE
Team member

B Balaji
2/4 ECE
Team member

Ch. Narasimham
2/4 EEE
Team member

Student Achievements

A Vamsi Krishna
Chair
IEEE SIRCRRCOE SB
4/4 ECE

1) Selected as Volunteer for DART (Disaster Assistant and Recovery Team) program, specifically MOVE Outreach India program
2) Selected as Volunteer for "IEEE Quarter Tech Talk Table Series Team"
3) Selected as "STUDENT AMBASSADOR" for the "IEEEXtreme 15.0"
4) Selected as "GLOBAL AMBASSADOR" for "IEEE.tv"
5) Selected as a Volunteer for the "Volunteer with IEEE HAC/SIGHT to create an automatic certificate generator site.

P Chandrika
Chair
IEEE SIRCRRCOE WIE SB AG
4/4 ECE

1) Selected as "IEEE Day 2021" Ambassador
2) Selected as Volunteer for "IEEE Women in Engineering Project - Based Learning School Camp"

Student Achievements

With the financial support of the College Management our Department of ECE Faculty and Students applied the Provisional Patents and they are also published in the Indian Patent Journals.

LIST OF EVENTS - 2021

January

1) Advanced Sensor Interfacing using Arduino
(https://events.vtools.ieee.org/m/262698)

February

2) IEEE Business Meet
(https://events.vtools.ieee.org/m/264322)

April

3) Inaugural Ceremony of IEEE SIRCRRCOE WIE SB AG
(https://events.vtools.ieee.org/m/279253)

4) Webinar on Industry 4.0 by CEMS
(https://events.vtools.ieee.org/m/274528)

May

5) HACK@CRR - 5 days non-stop Virtual Hackathon
(https://events.vtools.ieee.org/m/278674)

6) Webinar on Research Paper Writing for a Scientific Journal
(https://events.vtools.ieee.org/m/272100)

7) Innovation and Women Entrepreneurship
(https://events.vtools.ieee.org/m/272458)

8) Webinar on VLSI BACK END TOOLS (MENTOR GRAPHICS
(https://events.vtools.ieee.org/m/272425)

June

9) Personal Branding and Development in IEEE
(https://events.vtools.ieee.org/m/279249)

10) Workshop on Intro to Web Development
(https://events.vtools.ieee.org/m/278676)

July

11) Awareness Program on DISHA App
(https://events.vtools.ieee.org/m/279247)

12) Inaugural Ceremony of IEEE SIRCRRCOE IEEE SPS SBC
(https://events.vtools.ieee.org/m/279255)

HACK@CRR

5 days non-stop virtual Hackathon

"HACK@CRR" is a virtual hackathon conducted for a period of 5days by our IEEE SIRCRRCOE Student Branch in the view to encourage our college students for improving their idea-logical skills for solving a particular problem.

The main Theme of this Hackathon is on "COVID - 19" Related problems. Our IEEE SB has also decided to send the selected proposals for the submission of "IEEE R10 2021 Special Call for Proposals Related to COVID'19".

A total of 14 teams participated in this Virtual Hackathon and 5 teams were shortlisted for the final selection out of which 2 Teams were announced as Winners

Schedule of the Event:
Day – 1 (06-05-2021): Inauguration of Event and Release of Hackathon Part – 1 Schedule.
Day – 2 (07-05-2021): Submission of Part – 1 Presentation and release of Part – 2 Schedule.
Day – 3 (08-05-2021): Hackathon Continuation and Publicity of teams through Social Media.
Day – 4 (09-05-2021): Mini-Games and Continuation of Hackathon.
Day – 5 (10-05-2021): Submission of Part – 2 Presentations.

https://youtu.be/ferLFskUBtg
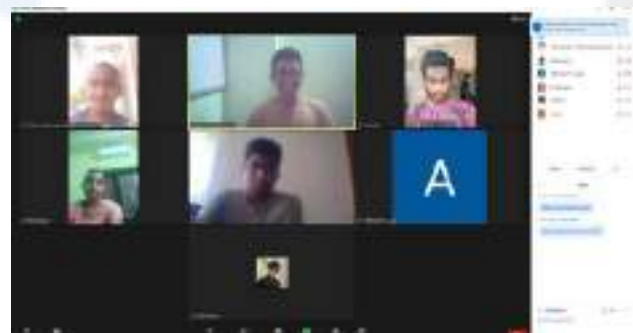
Inaugural Ceremony & Senior IEEE Student Guidance sessions

HACK@CRR

5 days non-stop virtual Hackathon

WINNERS

1st Prize

2nd Prize

ADVANCED SENSOR INTERFACING USING ARDUINO

Faculty Interaction with Students at Workshop

We have organized This event on "Advanced Sensor Interfacing Using Arduino" as Every year in our college there is a tradition of knowledge transfer between students on Arduino. As per this tradition in our college and on the behalf of IEEE SIRCRRCOE Student Branch we have organized this workshop on ARDUINO exclusively for the 2nd year students. The event is organized from 6th January 2021 at 10 am to 5 pm on 9th January 2021.

This event was organized with the help of Dr.T. Venkateswara Rao, Dr. R. Satish and Mr. A. M. Vamsee Krishna. Senior Students of the 3rd and 4th years transferred their knowledge about Arduino to the 2nd year students. They mixed up with juniors as a team consisting of 2 seniors 1 from 3rd and the other from 4th year.

All seniors explained the Arduino components and also explained simple projects with practical circuits and boards. they also included code for the simple projects, explained the code, and executed it. This complete event was managed by the seniors with help of faculty. The event was ended up with the speech and interaction with our beloved HOD sir Dr.T. Venkateswara Rao.

Interaction of Senior IEEE Students with the Participants

IEEE BUSINESS MEET

Our IEEE SIRCRRCOE SB has organized IEEE Business Meet about Introduction to IEEE, Website launch, introducing the EXCOM of 2021, Welcoming the new IEEE students, distribution of Membership cards, MD kits, and Plantation for our memorable meet. The meet was conducted on 20th February of 2021 from 9:30 am to 12 pm.

Sri. K. Hari Rama Krishnam Raju, Dr. G. Sambasiva Rao, Dr.T. Venkateswara Rao, and Dr. R. Satish motivated IEEE Student members to utilize the opportunity and benefits of joining IEEE. Also launched the IEEE SIRCRRCOE SB Website and distributed the MD Kits and Membership Cards to the new IEEE Student Members.

A. Vamsi Krishna (Chair, IEEE SIRCRRCOE SB) invited new IEEE Student Members. We also discussed the IEEE organization, IEEE benefits. We introduced the new EXCOM of 2021, all IEEE Student Members interact with IEEE student branch members and faculty members, and all the student branch activities are discussed.

Gathering of New IEEE Members

Photo Glimpse of IEEE Business Meet

INAUGURAL CEREMONY OF IEEE SIRCRRCOE WIE SB AG

Group Photo of IEEE SIRCRRCOE WIE SB AG ExCom

IEEE SIR C.R.Reddy College of Engineering Women in Engineering Student Branch Affinity Group (SBA11558) was established on 31st March 2021. IEEE WIE is one of the world's leaders in changing the face of engineering. Our global network connects nearly 20,000 members in over 100 countries to advance women in technology at all points in their life and career. IEEE WIE members make lifelong friendships, acquire influential mentors, and make a difference for the benefit of humanity.

We have conducted IEEE SIRCRRCOE Women in Engineering Student Branch Affinity Group inauguration event virtually. We have invited Prof. Lakshminarayana Sadasivuni Garu (Chair, IEEE Vizag Bay Section) and Dr. V. Usha Bala Garu (Chair, IEEE WIE, IEEE Vizag Bay Section) to inaugurate the Affinity Group. A. Naveena of 2/4 ECE gave a speech on pride moments of women. After that Chief Guest has launched the Website and U. Dhanya Sri elaborated on the website details. K. Lohika of 3/4 ECE gave a speech on women's empowerment. P. Aswini of 3/4 ECE gave a speech on women abusing cases.

P. Chandrika (Chair, IEEE SIRCRRCOE SB AG) introduced the Executive Committee of 2021 and also explained the responsibilities of each executive committee member.
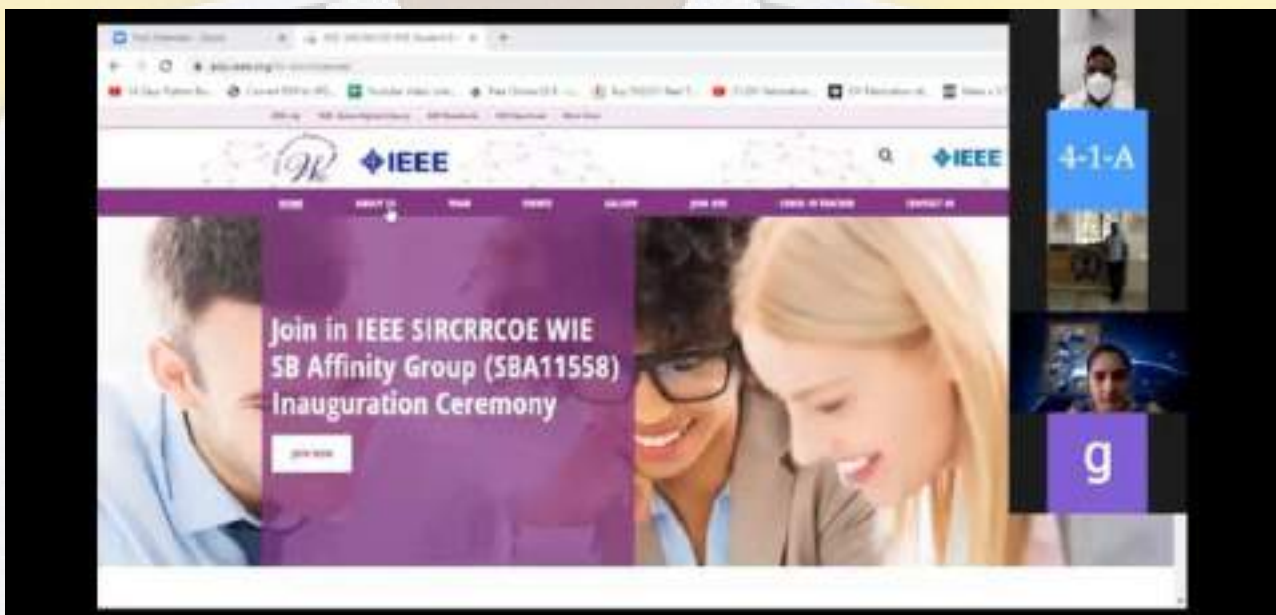
Photo Glimpse of Inaugural Ceremony of IEEE SIRCRRCOE WIE AG

https://youtu.be/WttXSehVIA0

Webinar on Industry 4.0 by CEMS

This Webinar on Industry 4.0 by CEMS which was conducted on 24th April 2021 @10:00 AM - 11:30 AM by IEEE SIRCRRCOE Student Branch is to give a brief introduction about Industry 4.0. The event was started at 10 am sharp by inviting the guest speaker Cdr. Gopi Krishna Sivam (chief operating officer), Dr.T. Venkateswara Rao Garu, and Dr. R. Satish Garu.

The webinar will briefly introduce students to:
1. Industry 4.0 and Industrial revolution
2. Technologies enabling Industry 4.0
3. Skills required for a smooth transition to Industry 4.0
4. Introduction to CEMS
5. Industry 4.0 technologies available at CEMS

https://www.youtube.com/watch?v=ZCYjSpuq3FY

Screenshots of Webinar on Industry 4.0

Webinar on
Research Paper Writing for a Scientific Journal

Webinar on Research paper Writing for a Scientific Journal was conducted and organized by our IEEE SIRCRRCOE Student Branch on 14th May 2021 @10:00 AM to 11:30 AM. The main motto of this webinar of writing a research paper is to encourage students to understand and do research on the specific domain that which they are interested in and to participate in the "IEEE R10 Student Research Paper Contest".

The event was started by inviting speaker Dr. Ch. Hima Bindu. She explained about the research paper and the need of writing a research paper. Important points and ways of writing the research paper are clearly explained by the speaker. Speaker gave references for the research paper writing. She also provided information and websites regarding writing and publishing the research papers by the students. We also thank IEEE Students Portal and IEEE Virtual Speakers Bureau Committee for accepting our request and providing the speaker according to our requirements.

https://youtu.be/n0c92GHYeLU

https://ieeetv.ieee.org/video/webinar-on-research-paper-writing-for-a-scientific-journal

Screenshots of Webinar on Research Paper writing for a Scientific Journal

Webinar on
Innovation and Women Entrepreneurship

Our IEEE SIRCRRCOE WIE SB Affinity Group has organized the webinar on Innovation and Women Entrepreneurship on 20th May 2021 from 11:00 AM to 12:30 PM. The Speaker Ms. VANITHA DATLA, Vice-Chairperson and Managing Director of ELICO Healthcare Service Pvt. Ltd. U. Dhanya Sri of 2/4 ECE shared the achievements on the innovation of our college.

Ms. N. Lavanya addresses the gathering, also expressed her views on women's entrepreneurship. Ms. Vanitha Datla Garu gave a presentation on women's entrepreneurship which motivated us a lot. The presentation also helped the students to find a way in Entrepreneurship. Finally, we have concluded the event with the National Anthem.

https://youtu.be/o2gV8D-LKQs

Screenshots of Webinar on Innovation and Women Entrepreneurship

Webinar on
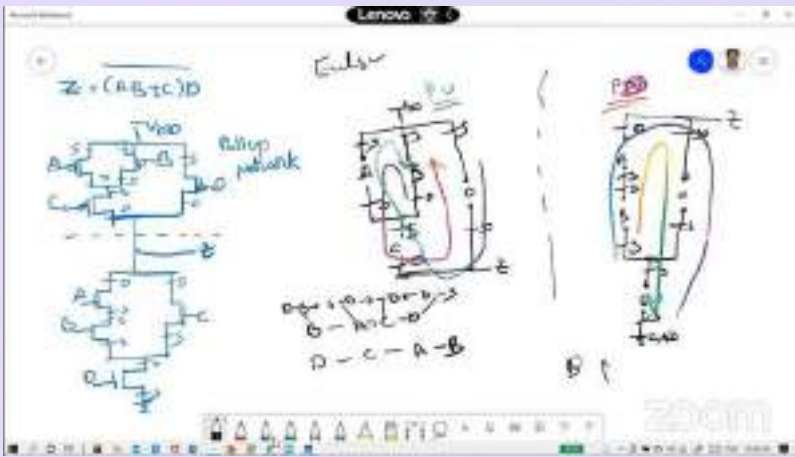# VLSI BACK END TOOLS (MENTOR GRAPHICS)

We have organized a webinar on VLSI back-end tools (Mentor graphics) conducted on 21st May 2021 from 9:30 AM to 12:30 PM. The honored Speaker Mr. K. Pradeep (Senior Application Engineer, Apply Volt), explained and introduced the VLSI back-end tools and given us a simulation example. Guest of Honor Dr. T. Venkateswara Rao, Dr. R. Satish, Mr. Ch. Jaya Prakash (Assistant professor, Dept. of ECE, SIRCRRCOE) has expressed their views on VLSI tools. The meeting ended by proposing a vote of thanks to our respected Speaker, Faculty, and Management.

Module Agenda:
- Introduction on Technology
- Design - where to start and where to end
- Defining a problem statement
- Steps in VLSI design - Mentor Graphics EDA Tool
- Logic Minimization Techniques

https://youtu.be/3k7-o2e37SA

Screenshots of Webinar on VLSI Back End Tools

Personal Branding and Development in IEEE

We have organized a webinar on Personal Branding and Development in IEEE on the occasion of International Women in engineering day on 23rd June 2021. The honored chief guest is Dr. D N D Harini Garu (Associate professor, GVPCE and Chair, IEEE Vizag Bay SAC). U. Dhanya Sri of 2/4 ECE, Webmaster of IEEE SIRCRRCOE WIE SB AG introduced the event and gave a speech on Women in engineering day. Dr. T. Venkateswara Rao and Ms. N. Lavanya address the gathering.

P. Aswini of 3/4 ECE, Vice-Chair of IEEE SIRCRRCOE WIE SB AG introduced and invited our guest. Dr. D N D Harini Garu started the session on Personal Branding and Development in IEEE followed by Queries. Where the IEEE Student Members has got away how they can develop and self-brand themselves in IEEE. P. Tanuja of 2/4 ECE, Treasurer of IEEE SIRCRRCOE WIE SB AG proposed a vote of thanks. Finally, we have concluded the event with the national anthem.

https://youtu.be/SrtgPayGwb8

Screenshots of Webinar on Personal Branding and Development in IEEE

Workshop on
Intro to Web Development

We have organized a Workshop on Intro to Web Development on 26 June 2021 from 2:30 pm to 5:30 pm. The honored speaker was Mr. Omar Bishtawi (Full Stack Developer at Dawsat & Web-Master, IEEEXtreme 15.0). This webinar is organized to introduce the basics of Web Development. Speaker explained HTML, CSS, and JavaScript. He also clearly explained about the coding and allowed students to try the code and briefly explained about the code. In this session, they can also try the code on mobile phones also. This gave the session more clearly deliverable to the students.

After every explanation of the Web Development topics, the speaker gave some tasks for the participants. The participants are divided into some groups and they are sent to "Breakout Rooms" in the Zoom Platform and allotted a volunteer for helping in the completion of the tasks. We concluded the event by proposing a Vote of Thanks to the speaker.

https://youtu.be/2_YlAzLdF50
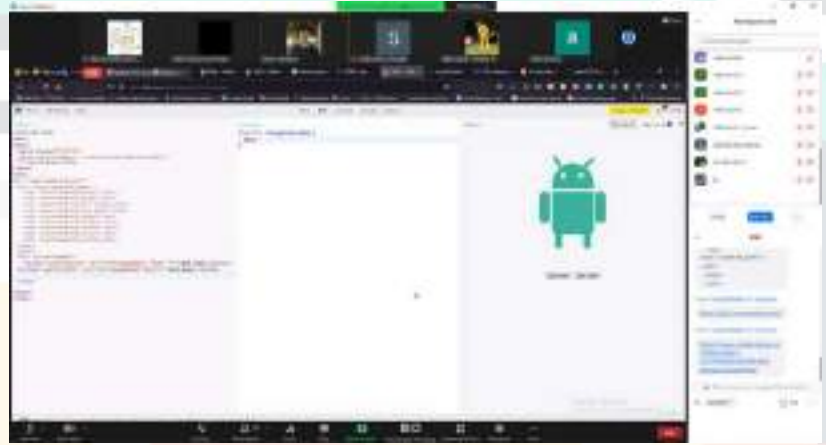
Screenshots of Workshop on Intro to Web Development

Awareness Program on Disha App

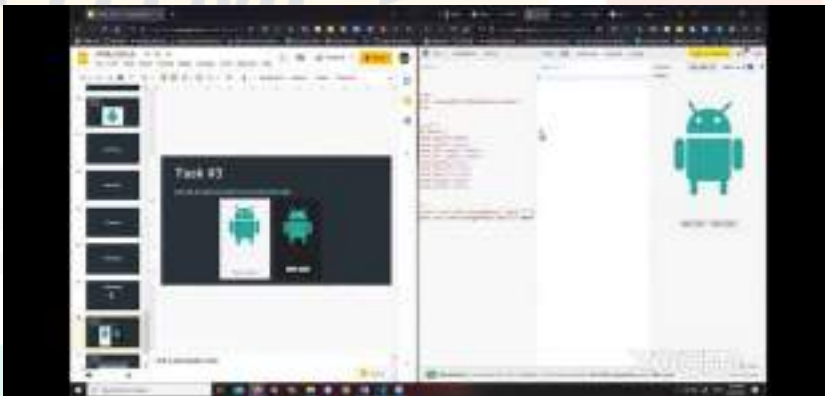The Government of Andhra Pradesh has launched an app named DISHA. The main aim of the app is to send alerts to the police where any woman triggered the app. As to create awareness on this app. The IEEE SIRCRRCOE WIE SB AG has taken the initiation to create awareness.

https://play.google.com/store/apps/details?id=com.likhatech.disha
(Link to download Disha app)

How the Disha app works:
After installing the app, the mobile number has to be entered, to which a six-digit OTP will be sent, and entering the OTP will activate the app

Use of the Disha app:
The Disha app will accompany women and girls like a brother. Women in distress can press the SOS button in the app or if the user does not have time to open the app, she can send a distress alert just by shaking the smartphone three times. Pressing its SOS button will alert the police station, besides sending a 10-second audio video to the Disha control room, which in turn will alert the nearest police station, which will alert the mobile team to rush to the location from where the distress call is made. Simultaneously, the caller will be contacted to know her situation and if there is no response, it is assumed that it is an emergency case.

SO EVERY GIRL SHOULD DOWNLOAD DISHA APP

Photo Glimpse of Awareness Program

Inaugural Ceremony of
IEEE SIRCRRCOE IEEE SPS SBC

IEEE SIR C R Reddy College of Engineering IEEE Signal Processing Society Student branch chapter (SBA11558) was established on 11th May 2021. IEEE Signal Processing is the enabling technology for the generation, transformation, extraction, and interpretation of information. IEEE Signal Processing Society is a diverse global community of signals processing engineers, researchers, students and industry professions, and career stages. IEEE SIRCRRCOE IEEE SPS SB Chapter inauguration event has been conducted virtually. Chief's guests are Prof. K. V. S. Hari (Professor, IISc Bangalore, and Vice-President, IEEE Signal Processing Society) and Dr. T. S. N. Murthy (Chair, COMSOC/SPS Joint Chapter, IEEE Vizag Bay Section).

G. Gayatri of 3/4 ECE gave a speech on the Introduction of signal processing. IEEE SIRCRRCOE IEEE SPS Student Branch Chapter website was launched by the Chief guest's and P. Sahithi Sree of 2/4 ECE elaborated the website details. Ambati Naveena of 2/4 ECE gave a speech about how signal processing is playing an important role in our lives. Setti Gopichand Raam Datt (Chair, IEEE SIRCRRCOE IEEE SPS SB Chapter) introduced the EX-COM of 2021 and also explained the responsibilities of EXCOM members.

Dr. P. H. S. Tejomurthy (Faculty Advisor of IEEE SIRCRRCOE IEEE SPS SB Chapter) addressed the students and gave his journey on the Signal Processing Society. Dr. T. Venkateswara Rao and Dr. K. Venkateswara Rao (Principal, SIRCRRCOE) also expressed their views regarding the IEEE SIRCRRCOE IEEE SPS SB Chapter. One of the chief guest's Prof. K. V. S. Hari shared his experience on IEEE SPS and gave a webinar on CAREERS ON SIGNAL PROCESSING followed by Q&A Session. Finally, we have concluded our session by the National Anthem.

https://youtu.be/dLHGwfmmEC4

Photo Glimpse of IEEE SIRCRRCOE IEEE SPS SBC Inaugural Ceremony

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