

PRATHIBHA

The Blooming Identity

A QUARTERLY MAGAZINE PUBLISHED
BY
SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN (A),
BHIMAVARAM



Winners
BAJA SAE INDIA 2022



Shri K.V. Vishnu Raju
Chairman



Shri R. Ravi Chandran
Vice-chairman



Shri K. Aditya Vissam
Secretary

TABLE OF CONTENTS

3	BAJA SAEINDIA 2022
6	PUBLICATIONS & PATENTS
7	INDUSTRY COLLABORATIONS
8	BEING SMART WHILE USING SMARTPHONES
10	FOCUS - ECE DEPARTMENT
16	PLACEMENTS SAGA
19	TESTIMONALS
24	FRICITION STIR WELDING
26	VISHNOTSAV 2K20 & 2K21
27	NSS & SPORTS
28	STUDENT ACTIVITIES
35	STUDENTS CLUBS
39	STUDENTS CORNER
47	VISHNU ATV & GO-KART TRACK
48	UPCOMING EVENTS
49	CAMPUS CLICKS



Dr. P. Srinivasa Raju
vice-principal



Dr. G. Srinivasa Rao
Principal



BAJA SAE INDIA 2022

BAJA is an Off Road Racing Competition for all the undergraduate Engineering Students from different Universities. BAJA event has two categories of competitions one is M-BAJA and the other is E-BAJA which means Engine driven vehicles and Electric Motor driven Vehicles. Team ZIBA & E-ZIBA RACERS from Shri Vishnu Engineering College for Women (Autonomous) have been participating in BAJA SAE INDIA from 5 years in M Baja Category and 3 years in E Baja Category.



For any category the event is carried by two phases one is Virtual Round and the other is Dynamic Round. In Virtual Round around 150 teams from M BAJA and 80 teams from E BAJA participates where the qualified teams are segregated based on the performance and qualify to the dynamic rounds. The dynamic rounds are conducted in Pithampur in the month of April, 2022 and in June 2022. Nearly 80 teams are qualified for the dynamic round in M BAJA category and 46 teams qualified for E Baja category for the main event in Pithampur.

Technical Evaluation and Brake Test are the qualifying rounds for each and every team to participate in the Dynamic events in M Baja and E Baja. The dynamic round consists of static events and dynamic events.

The dynamic Rounds were- Acceleration Round, Sled Pull Round, Maneuverability, Suspension & Traction, Endurance Round, Design inspection, Cost validation, CAE Round, Go-Green.



This year we participated with team of 22 students in all the events in M Baja & E Baja without a single breakdown and made podium finish for both the teams under the guidance of our Faculty advisors Dr. P. Srinivasa Raju and Mr. Manoneet Kumar who has always been as our constant supporters throughout the event.



Achievements of M-BAJA in Physical Dynamic Event:

- Go Green Award
- Runner-Up in Sled-Pull
- Dronacharya Award

Achievements of E-BAJA in Physical Dynamic Event:



@ BAJA SAE INDIA 2022-e BAJA

1. Runner up -Engineering Design
2. Winner - overall Cost
3. Runner up- Virtual Acceleration
4. Runner up- Physical Acceleration
5. Winner-Sledpull
6. Runner up-Durability
7. 2nd runner up-Overall virtual dynamics
8. 2nd runner up-virtual gradability
9. 2nd runner up- Tech innovation
10. 2nd runner up - least lap time in endurance
11. 2nd runner up- Virtual dymaics
12. 2nd runner up - overall event



Machine Learning

Resource Person: Dr. Gaurav Trivedi, Associate Professor, Dept of ECE, IIT Guwahati.

As a part of IETE Students forum activities a Guest Lecture on “Machine Learning and its Applications “ conducted by Dept of ECE on 28th May 2022 at Seminar Hall, B-Block, SVECW . He has explored about what is Machine Learning and what are latest trends and applications of Machine learning and when do we use Machine learning through Online mode. How machine learning can be used in autonomous cars and various applications. About 200 students and Faculty of Dept of ECE benefited through this session. It was a nice interaction program.



Publications & Patents

Mr. B. Venkatesh published a patent with a title "BALAST RESISTANT ANALYSIS AND DESIGN OF RCC MULTISTOREY BUILDING" from "THE PATENTS ACT, 1970(39 of 1970) & The patent rules, 2003. Application Number : 202241020115



Mr. T. Sairam Vamsi received a best paper award for the paper "Crop Protection and Establishment of E-farmers Market" in 2nd IEEE International Conference on Power, Control and Computing Technologies (ICPC2T) organized by NIT, Raipur, India on 01-03 March, 2022.

Mr. K. Dileep Kumar published a Text Book titled " Object Oriented Programming using Java" by Shree Publishing House, Visakhapatnam in 2022



Mr. K. Dileep Kumar submitted Patent Application titled "System and Method for Cluster Optimization for Crime Analysis", Application No: 202231012957 to Indian Patent Office in the field of Electronics filed on 10.03.2022 and published on 15.04.2022

Mr. K. Dileep Kumar published a paper titled "Crime data optimization using Neutrosophic logic-based game theory", in Willey Online Library Concurrency and Computation: Practice and Experience, DOI: <https://doi.org/10.1002/cpe.6973>, Indexing: WOS, SCI, SCOPUS on 29.03.2022



Industry collaborations

- Dr Pala Gireesh Kumar, Head of the department had signed MoU with Infra support Engineering Consultants Pvt. Ltd., Bangalore on 19th May 2022. Mr. K.B. Rathnakara Reddy, Managing director of Infra supports, and executive director T. Lokesh appreciated the efforts taken by the department for the beneficiary of the students. Students from II B.Tech. K. Naga Sireesha, A.L.M.V Sowjanya Sri, K. Tulasi Rama Saraswathi, G. Divya Swarupini, K Bhagyavalli are also been in the discussion and interaction with the industry experts during the MoU process.
- Dr. Pala Gireesh Kumar, Head of the department and Mr B. Venkatesh Assistant Professor along with 5 students (II B.Tech.) interacted with S. Ravi, project manager of CBRE Bangalore and it is fortunate to receive a commitment from the industry in providing Internship opportunities to our students every year.



Excavator Visit

A group of 57 students visited the Excavator praised by Triveni Earth Movers Private Limited which has agenda with Placements of Department of Mechanical Engineering, Shri Vishnu Engineering College for Women, Bhimavaram. Students were accompanied by faculty members Mr. P Surya Prakash Varma and Mr. B Satya Krishna of Department of Mechanical Engineering.

A demo and practical session on Excavator is presented by trainee, Mr. Mrinal from Triveni Earth Movers Private Limited for students and faculty for three days.



Being SMART while using Smartphone

"These days we have Smart phones, Smart cars, Smart boards, Smart everything, but consider this: if the technology is getting smarter, does humans too need to be smarter in using these? Yes. Despite the fact that the Smartphone is an extremely useful tool and simplifies the social and personal functions, overuse and addiction to it can interfere with activities in daily life & interpersonal relationships, health or wellbeing & student's academic achievements. Side effects of Smartphone usage are multiple virtual relationships, information overload, cybersex addiction, compulsive gaming and gambling, trouble completing on-hand tasks, isolation from family and friends, FOMO-phobia. Posture problems, backaches, migraine headaches, poor personal hygiene, irregular eating, eyestrain, dry eyes, etc., are most common physical health issues reported due to over use of phone.

Modify your Smartphone use, step-by-step

- **Set goals for when you can use your Smartphone** - you might schedule use for certain times of day, or you could reward yourself with a certain amount of time on your phone once you've completed a homework assignment or finished a chore.
- **Turn off your phone at certain times of the day**, such as when you're driving, in a meeting, at the gym, having dinner, or playing with your kids. Don't take your phone with you to the bathroom.

- **Don't bring your phone to bed** - Turn devices off and leave them in another room overnight. Prefer bedtime reading.
- **Replace your Smartphone use with healthier activities** - prepare a list of favorite activities and include them in your day to avoid boring.
- **Modify the usage** - in your lunch, dinner, projects, study hour time mute the notifications and place the Smartphone face down on the table.
- **Remove social media apps from your phone** and check apps like Facebook, Twitter, Instagram from your computer.



- **Limit checks** - If you compulsively check your phone every few minutes, wean yourself off by limiting your checks to once every 30 minutes, then once every one hour, then two hours once. Take help of monitoring and wellbeing apps.
- **Curb your fear of missing out** - Accept that by limiting your Smartphone use, you're likely going to miss out on certain invitations, breaking news, or new gossip. There is so much information available on the Internet, it's almost impossible to stay on top of everything, anyway. Accepting this can be liberating and help break your reliance on Smartphone.



According to research continuous usage of Smartphone more than 2 hours has high risk of developing cognitive issues like increase of loneliness and depression, feeling lost, anxiety, increase in stress, attention and concentration issues, diminishing ability to concentrate and think deeply or creatively, low tolerance, withdrawal from others, loss of self control, changes in personality etc.,



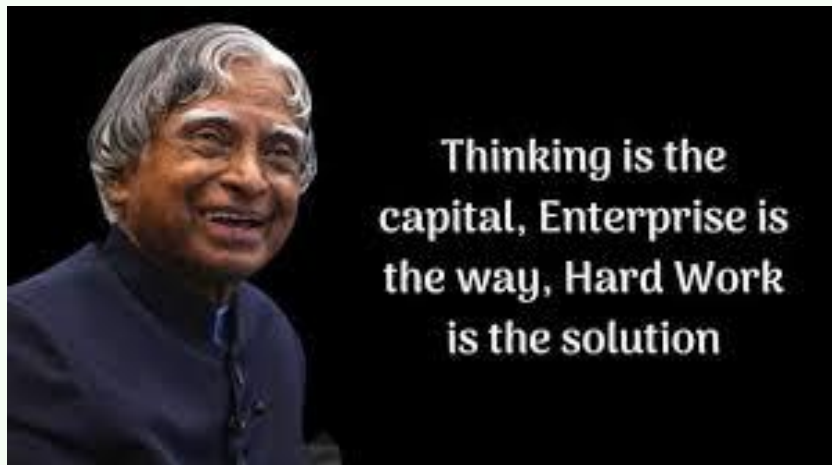
Dr.K.Bhavani Prakash
HOD, Department of Psychology and Lifeskills
Sri Vishnu Educational Society
Bhimavaram.
Ph: 8341474952
Email: drbhavaniprakash@gmail.com



FOCUS



Department of Electronics and Communication Engineering



Thinking is the
capital, Enterprise is
the way, Hard Work
is the solution



Dr. K. Padma Vasavi

Professor & HoD

Department of

Electronics &

Communication

Engineering

1. What do you think are the most important functions in a head of the department role?

- Ensure Holistic development of the students
- Strive for excellence in research and development of the faculty members
- Inculcate the spirit of teamwork and belongingness towards the department among both the faculty and students and work collectively towards reaching the vision of the department.

2. Describe your journey from being a student in an institution to head of the department of ECE in SVECW?

I was a teacher dependent student and sincerely followed their advice to reach my goals. Many great teachers mentored me to put my high energy in a right direction.

Similarly, many great leaders inspired me and are inspiring me to carry on my duties as a head of the department. However, my journey as a head of the department started during COVID times where every situation I faced was special and unique, where balancing between heart and the mind to handle the situation with humanity without losing the spirit of professionalism was a major challenge.

3. Hard work or smart work which one you opt to rise up the ranks?

For me, both are important, what is even more important is choosing the right option for right work.

4. What is the significance of student project work and faculty on -going projects in your department?

A project work should trigger the creativeness of an individual, be it faculty member or a student.

The outcome of the project work should be of high quality resulting in an award for a student and high-quality publication for a faculty member.

The department of ECE is strong as far as funded research is concerned. We have almost Rs. 9 Crore worth funded projects in the department with our faculty members acting either as Principal Investigators or Co-Investigators. We are sanctioned with CURIE project to upgrade our PG labs. We have completed projects for the Naval Research Board, and Department of Science and Technology under TIDE scheme. At present, one project under TIDE scheme of DST is ongoing in the department and at the institution level, our faculty members are serving as co-investigators for the Technology Business Incubator and the STI-Hub projects, sponsored by DST.

5. As there is a saying “if you want to go fast, go alone but if you want to go far, go together. So what is the importance of teamwork especially in your department?”

I believe in teamwork. An individual's contribution is minimal in making the department excel in all directions. As they say, “Little drops of water, make a mighty ocean”. The contribution from each individual combine to bring glory to the department

6. ECE department has created a huge placement record of above 40 lakhs package? Comment on this?

The students of ECE are double edged swords. Given, the greatest support from the management and the placement team, the students grabbed every opportunity, and came out with flying colours and brought pride to the department with huge package placements at a little age. We are really proud of their achievement and sincerely wish and hope that the success saga continues with the upcoming batch of students also

7. Could you please share some glimpses of the Alumni students with their work experience?

Most of our alumni are working in IT based companies and few of them are working in core sector companies. As I understand, through my interactions, irrespective of the domain in which they are working, they are giving their best. Silpa who used to be very inquisitive during her college days, is working in Synopsis at a good position and when I randomly called her and asked her to address our first-year students, she immediately accepted and despite her hectic schedule, she interacted with the students and clarified all their doubts with great patience. Same is the case with Anusha, who is working in Cient, Hyderabad. Padma Neela, who is working in Qualcomm, interacted with students for more than two hours and guided them to get placements in Embedded in VLSI domain.

8. Looking back, what's one thing that you would love to do differently?

I love the way I lived. No turning back.

9. You must have faced many challenges in your professional life? What was the toughest one? How would you overcome it?

The toughest challenge is to complete my Ph. D. I strongly wanted to complete it within the span it is intended for. Many hurdles came in my way, both at personal front and in career. Strong determination and greatest support from my family (both my husband and son) helped me to overcome the challenge.

10. Could you please talk about a person-teacher, mentor or family member who has had greater impact on you? Why and how did this person influenced your life?

Three men in my life made me what I am today. My father, gave outright support to do whatever I wanted to do, faced all the odds from all corners to make me pursue engineering in a time when it was a taboo for females in my region and family. My husband, is my mentor and best friend, keeps my feet grounded to reality and at the same time, encourages me to dream big. Finally, if it were not Padma Bhushan Dr. B. V. Raju garu, I would not have had this career and recognition, he believed in me at a time when I don't have belief in me. He gave me the wonderful opportunity to work for this esteemed organization.

11. Mention the various student clubs and professional bodies that your department runs and its implementation procedure?

IETE is the professional body of the department of ECE. The faculty advisor for IETE is Mr. P. Ravi Kumar. The IETE students' Forum under his leadership has received the "Best Student Chapter" award also. The student body of IET organize several technical events, and the most popular being "IETE Poster/Project/Paper League (IPL). SPARTA club is one student club run by the department. Mr. T. Sairam Vamsi is the faculty advisor for this club. They make short videos to inspire people and have a YouTube channel for their videos.

12. Can you speak on your department advanced lab establishment and its utilization by the student?

The department of ECE is well equipped with two centres of Excellence: Assistive Technology Lab and Digital Signal Processing Lab.

The Assistive Technology Lab is the brainchild of our visionary Chairman, Sri K. V. Vishnu Raju garu and is established in technical collaboration with the University of Massachusetts at Lowell, USA in 2009. In this lab, the students along with their faculty mentors develop products to provide solutions for real life challenged faced by the differently abled people. Through this lab the students won several awards and accolades at the International and National level project contests which include Imagine cup-Special Prize, GYTI award from the office of the Honorable President of India, Best Innovation award from the Government of Andhra Pradesh.

The Digital Signal Processing Lab was established in collaboration with Texas Instruments India, Funds from AICTE MODROBs and institution contribution. This lab has advanced boards to implement Digital Signal, Speech, Image and Video Processing Applications in real time. Faculty members have obtained their Ph.Ds by utilizing the resources of this lab.

The projects done by the students in this lab received Best Women Team in India award from Texas Instruments, India, GYTI award and received funds of worth Rs. 5 Lakh from TI India.

We also have a special lab equipped with modern tools to implement both digital and analog VLSI architectures

Team of ECE Department:



INTERNSHIP

Ms. P. Chandana of III ECE got an Opportunity of Internship at INTEL with 40,000 per month.



Ms. P. Chandana



Rs. 40,000
per month

Congratulations

on receiving your

DOCTORAL DEGREE



Mr. P Ravi Kumar, Associate Professor of ECE Department completed his Ph.D. in the area of "Wireless communication".

Supervisors: Dr. P V Naganjaneyulu, Principal, Mittapalli college of Engineering, Guntur and Dr. K. Satya Prasad, Retd. Professor, Former RECTOR, JNT University, Kakinada.

Title of the Research Work: " PAPR Reduction for OFDM system by Hybridized Nature inspired Evolutionary Algorithms with PTS ".

University: JNTU, Kakinada

Month & Year of awarding Ph.D.: June, 2022



Dr. P. Ravi Kumar



Dr. K.S.N. Raju

Mr. K.S.N. Raju, Assistant Professor, ECE Department received Ph.D. in the field of "Electronics and Communication Engineering".

Supervisors: Dr. T. Sudheer Kumar (Associate Professor, SVECW), Dr. M. Vamshi Krishna (Professor and Head, DIET) and Dr. Chandra Sekhar Dash (Assistant Professor, CUTM).

Title of the research work: "INVESTIGATIONS ON IMPLEMENTATION OF RECONFIGURABLE FIR FILTER WITH CONTROL LOGIC FOR 5G APPLICATIONS".

University: Centurion University of Technology and Management.

Month & Year of awarding Ph.D.: June, 2022

Placements Saga

Above 5 LPA



Teja Sri Sarakanam, CSE
WELLS FARGO, 20LPA



G.S.V.Dhakshayani, CSE
WELLS FARGO, 20LPA



D.Kusuma, ECE
MICROSOFT, 44.3LPA



G.Harshini, ECE
WALMART, 23.39LPA



R. B S S V Nagalakshmi, EEE
Mahindra & Mahindra, 65LPA



P.Sri Kavya, EEE
Mahindra & Mahindra, 65LPA



P.Jasvitha, EEE
Mahindra & Mahindra, 65LPA



G.Manisha, EEE
Mahindra & Mahindra, 65LPA



D.B.V.N.Deepika, EEE
Mahindra & Mahindra, 65LPA



K.L.N.N.S.Sravani, EEE
Mahindra & Mahindra, 6.5LPA



K.Baby Kavya, EEE
Mahindra & Mahindra, 6.5LPA



P.Bindu Anuhya, EEE
Mahindra & Mahindra, 6.5LPA



M.Sri Nitya, MBA
SS&C EZE, 6LPA



K.Usha Rani, MBA
Intellipaath, 8.65LPA



T.Akhila, ME
Mahindra & Mahindra, 6.5LPA



K. Bhavya Mallika, MBA
Intellipaath, 9 LPA



U. R. Sai Bhavani, ME
Mahindra & Mahindra, 6.5LPA



D.S.Vyshanvi, MBA
SS&C EZE, 6LPA



V.Sravanthi ,ME
JSW, 5.5 LPA



Ch.Hemanya ,ME
JSW, 5.5 LPA



N.Kalyani ,ME
Cameron, 5.5 LPA



V.Sharmika EEE,
JSW, 5.5 LPA



Sk.Sumaiya , EEE
JSW , 5.5 LPA



S.Sumathi, MBA
SS&C EZE, 6LPA



K Naga Vaishnavi EEE,
Rockwell Automation, 6 LPA



D.B .V. Naga Deepika, EEE
Rockwell Automation, 6 LPA



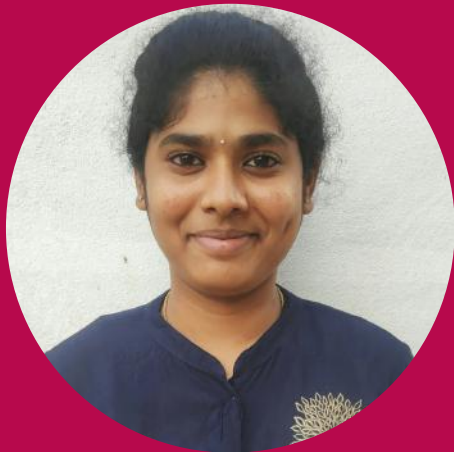
K.DIvya sri, IT
Schlumberger, 6.5 LPA

TESTIMONIALS

Devikasri Posimetti



Package : 41 LPA



ECE

At any point of time, all we need is a proper path to walk on, and SVECW is exactly the right one to shape our future. Being an electronics student, it's not a cake walk to crack product-based companies. There is plenty of training provided by the college, mainly C&DS and WISE. WISE helped me to learn different coding languages, whereas C&DS laid the foundation for data structures and algorithms, which helped me to get an internship at Amazon and crack the Palo Alto Networks interview. Most importantly, hard work and practice are required to achieve success.

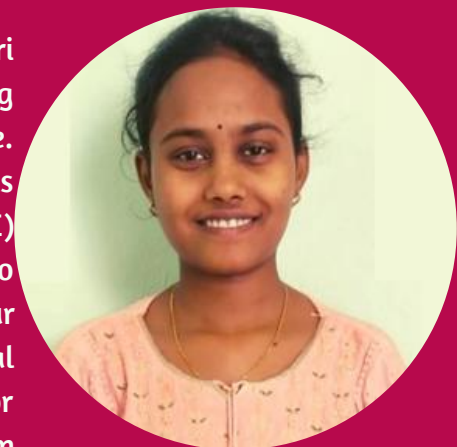


Microsoft

Package: 44.3 LPA

D. Kusuma

First of all it's a great honor for me to be a student of Shri Vishnu Engineering College for Women. The teaching approaches followed by the faculty to explain are unique. They use a variety of resources to make students understand the concepts. The trainings (C & DS, WISE) offered by our college are very helpful to the students to crack their dream jobs. Further, there are many clubs in our college that help us to satisfy our creative and intellectual curiosity. The college provides excellent opportunities for the all-round development of students. I have offers from Microsoft and 5 other companies. This is all because of the continuous support given by our college.



ECE

Package : 20 LPA**WELLS
FARGO****Teja Sri Sarakanam**

It all started in my first year of B. Tech when I joined the WISE Program where I got introduced to the programming world followed by the C and DS Program which I could is the savior for our college students during placements. Besides these programs, I would recommend to maintain a healthy mindset creating your own success mantra. Finally, I would like to express my gratitude to the whole college for aiding us to reach great heights.

**CSE**


**TIPS & TRICKS &
TESTIMONIALS**

**G.S.V.Dhakshayani CSE****Package: 20 LPA****WELLS
FARGO**

My placement journey has been a roller-coaster ride. There have been so many ups and downs throughout, but thanks to my faculty and enormous opportunities in college, I came out victorious. This cycle started in the 1st year, when I had zero knowledge of coding, but I have improved my coding skills by joining programs like WISE, ELITE (WISE) and C&DS provided by our college. I used to attend these programs regularly and I have practiced coding on various coding platforms like Hackerrank. These programs not only improved my technical skills but also helped me with my interpersonal skills.

There were times when I felt like I encountered so many downs in this ride but have confidence in yourself and don't ever give up and give your BEST.

G.Harshini



ECE



Package: 23.39 LPA

I am extremely grateful to the placement cell and all the faculty members of SVECW for giving me an ample opportunities. The Special trainings like CNDS, WISE, CRT offered by our college are amazing and helpful to achieve great success.

SVECW is not only good at technical trainings but also many Club Activities which helps for all round development of students. Our Campus is filled up with positive vibes which made me to strive better. I am able to crack my Walmart Interview just because of trainings provided by our college. The only thing I can share is,

"Just Believe in yourself and Keep trying more and more". Once again Thankyou SVECW, for everything!



Package: 10 LPA



Konda Swarna Latha

Our College Shri Vishnu Engineering College for Women would be a great place to learn and explore. Our college has special programs like CNDS and WISE which would help students to learn competitive programming. SVECW has played a key role in my success today. They helped us not only in learning but also during interviews by conducting mock interviews and shaped us into a better professional. To all those young minds out there "Hard work beats success when Talent doesn't work hard so, be confident and have your own plan, Trust yourself and have consistency in your practise that would automatically Take you to success " Best of Luck.



IT

Patteparapu Lalitha**Package: 14 LPA****IT**

It has been a splendid four years at our college, Shri Vishnu Engineering College for Women. This college evolved and groomed my life. Continuous seminars, hackathons, and workshops arranged in our college help students to gain practical knowledge, the training programs like CNDS, and WISE helped me to develop problem-solving skills and learn about the latest technologies which added more weight age to my resume. My sincere appreciation & gratitude to the Training & Placement Department and faculty for their efforts in imparting quality technical and aptitude training. I am very grateful to them for effectively and sincerely helping me to grab the best opportunity at NCR. I wish the future talents of my college ALL THE VERY BEST.


**TIPS & TRICKS &
TESTIMONIALS**
**Package: 10 LPA****Kalari Nitya Sri**

Various programs like C&DS training, WISE program, ATL laboratory and clubs in our college like Toastmasters, Google Developer Student Club, ISTE helped me up skill myself in various aspects.

I am forever grateful to the Placements team, faculty, my friends, family and management of SVECW; especially our IT department for shaping my career.

My college has given me the courage I needed when I failed in some interviews and the opportunities I needed to bounce back with double confidence. I wish all the future batches success and the best to come.

**IT**

Nandyala Mounika**Package : 23 LPA****ECE**

The journey of my college life was splendid and all kudos to SVECW for making it a valuable part of my life. It had given me many wonderful experiences like being part of ATL, the sports team, and many more. To start with, I would like to express my gratitude to all my professors and the Placement Team of my college for their continuous support. They helped us acquire all the necessary skills to enhance our profile. I was placed in 4 companies. At present, I am working in F5 Networks, Hyderabad.



**TIPS & TRICKS &
TESTIMONIALS**

**Padmasri Rachapudi****Package : 41 LPA****EEE**

I am a student from Electrical department. Apart from my academics, we also got a great chance to learn Software subjects, from where I got interest in coding. I also became a part of training programs like WISE and C & DS which helped me to improve my coding skills. As a result, after the completion of third year, I got an Internship opportunity from Adobe. I worked as product intern for 10 weeks in Adobe. And I am elated to get Full time offer in Adobe with 41 ctc. Success is not easy to achieve, it contains our hard work, difficulties along with other's support. I can proudly say that I am an svecw student.

Solving Problems of Automobile and Aerospace Industry using Friction stir welding

Influence of tool pin profile on mechanical and metallurgical behaviour of friction stir welded AA6061-T6 and AA2017-T6 tailored blanks

Generally, tailor welded blanks (TWB) are used in the marine field to construct lightweight, high strength, and noncorrosive ship structures (2xxx, 5xxx, and 6xxx series). TWB sheets with different coatings bring out sound metallurgical and mechanical properties. The aluminium alloy of high-strength TWBs has proved their worth as lightweight structural components in the aerospace and automotive industries. In aerospace research and development, these materials fulfill the needs of high strength, ductility, formability, and weight savings of the parts. These age-hardenable aluminium alloys are used in aerospace engineering for fuselage frames, fuselage skins, propellant tanks, and wings

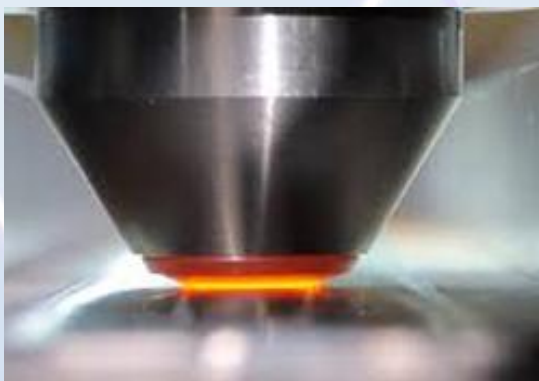


Fig. 1 FSW welding pin profile

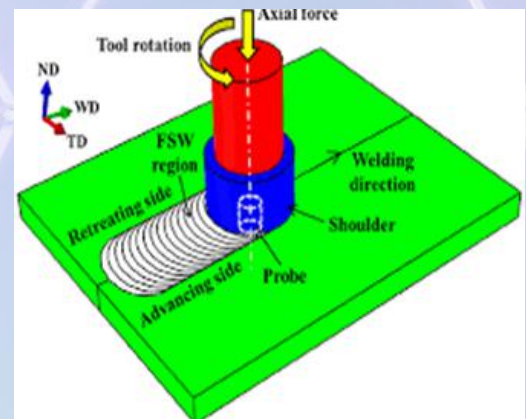
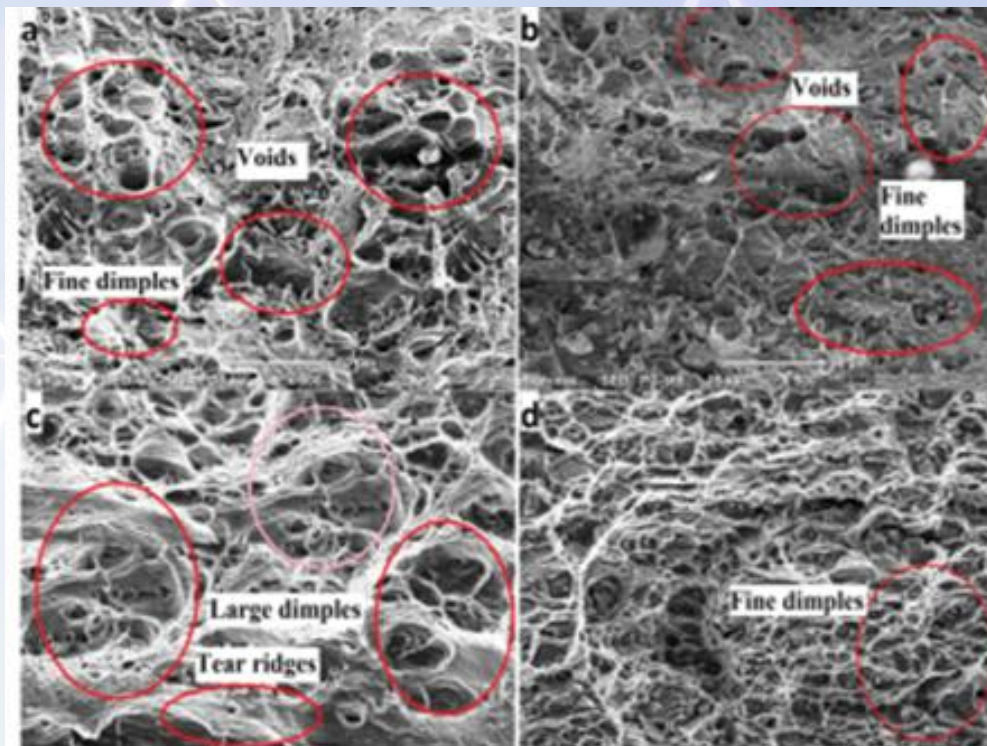
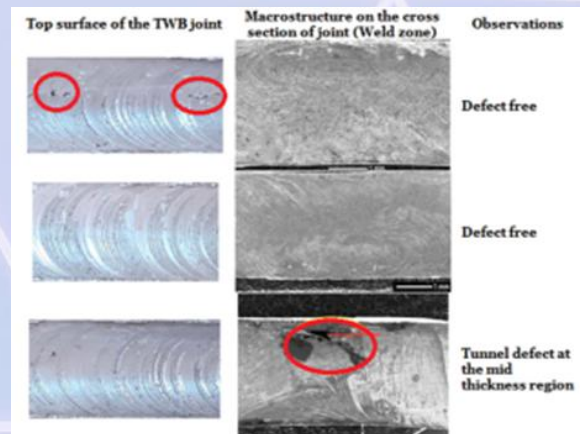


Fig. 2 Friction stir welding process

The heat-treated and artificially aged aluminium alloys of AA6061 and AA2017 are friction stir welded by employing five different tool pin profiles keeping the other process parameters constant. From this investigation, the mechanical properties of welded blanks can be evaluated. The test results reveals that the straight square tool pin profile exhibits a higher ultimate tensile strength of 253 MPa with a tensile elongation of 6.7%. Higher Microhardness and joint efficiency were reported compared to other pin profiles. The microstructures at different zones of the welded joint can be examined using optical and scanning electron microscopy.

More Flowability indications with fine grain structure were examined for a straight square tool pin profile. The presence of intermetallic and the formation of fine-grain structures were accountable for the improvement in microhardness. The pulsating action of the square pin profile produced a defect-free joint.



Mr BN Malleswara Rao,
ME Dept



Dr Ch Hari Krishna
HOD-ME

Vishnotsav



In the life of every student, Graduation may be a verge to the memories of the past. But it is also the beginning of big dreams for the future. Shri Vishnu Engineering College for Women celebrated the third and fourth graduation day (VISHNOTSAV) for 2020 & 2021 graduates on March 11, 2022.



The event was presided over by the guests Sri Chirala Pandu Ranga Rao, Senior Vice-President, Technical Operations and Strategic Initiatives at ALTAIR Engg. India Pvt. Ltd and Sri Sanjay Sudhakar Nibandhe, Chairman, SAEINDIA Western Section.

The great Visionaries Chairman of SVES, Sri.K.V.Vishnu Raju and Secretary of SVES, Sri K. Aditya Vissam, Principal, Vice Principal, HoDs, Deans, Controller of Examinations, Physical Director, Librarian, graced the occasion. Nearly 1500 students took their degrees.



NSS & Sports



We are proud to say that our students N. DHAAMINI, IV MECHANICAL (18B01A0347) and R. KEERTHI PRIYA, II ECE (20B01A04C7) got selected for NATIONAL INTEGRATION CAMP sponsored by Department of Higher Education, Government of Haryana and organized by Maharishi Markandeshwar University, Mullana, Ambala during March 22nd -28th, 2022.



Our students got selected for National Integration Camp of NATIONAL SERVICE SCHEME over 150 JNTUK affiliated colleges under NSS unit to represent ANDHRA PRADESH from SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN(A), BHIMAVARAM, ANDHRA PRADESH.



ACHIEVEMENTS BY DHAAMINI and KEERTHI PRIYA:

- Got FIRST place & BEST PERFORMANCE AWARD among all the states in CULTURALS-DANCE (ANDHRA PRADESH).
- Got FIRST place in "UNITY IS OUR STRENGTH" Cultural Skit(ANDHRA PRADESH).
- GOT FIRST place in TABLEAU "BEST OUT OF WASTE"(ANDHRA PRADESH).

STUDENT ACTIVITIES

The department of Electrical and Electronics Engineering has organized a Five Day Student Competency Development Program on “Electric and Hybrid Vehicle Engineering” 7th April 2022 – 11th April 2022 in association with Haritha TechLogix Pvt. Ltd. In this workshop 55 internal student participants of III B.Tech. EEE actively participated.



98 Students accompanied by 3 faculty members attended the orientation class about VTPS and visited the Power Plant.

The department of Electrical and Electronics Engineering has organized an industrial visit for III EEE students at renowned Dr. Narla Tata Rao Thermal Power Station (NTTPS), located at Ibrahimpatnam near Vijayawada.



The Department of Artificial Intelligence arranged a Guest Lecture on “A Day in the life of a Data Scientist” on 14th May 2022 @ Seetha Auditorium from 10am to 1 pm. with Shanmugha Sri S T K Data Scientist Laboratory Hubert Curien and Guillaume Sacchetti Master Graduate in Machine Learning and Data Mining as Resource Persons.



The Department of Artificial Intelligence conducted an Industry Interaction for II Year AI & DS students on Data Science with Python course on 26th Mar 2022, 9th Apr 2022, 23rd Apr 2022 and 14th May 2022 with a resource from Mr. Snehith Allam, Senior Manager - Advanced Analytics & Architect, Envista Holdings Corporation, Hyderabad.



The Department of EEE conducted a workshop on "Low Power IOT for Product Development" to II Year students during 30th May to 15th June with a resource Mr. S .Karthek, Senior Engineer, APPLY VOLT, Vijayawada.



“Introduction to VLSI and Opportunities for the Future” is a Five day workshop organized by the department of ECE for the 3rd-year ECE Students during 30.04.2022 to 04.05.2022 with participation of 62 students. Resource person is Dr. Avinash Yadlapati, Senior Manager at Intel Malaysia. This workshop included concepts related to the RTL Design of digital circuits, implementation, and verification of these circuits by writing a test bench using Verilog as per industry standards. This workshop successfully bridged the gap between academia and industry.



Department of ECE conducted a Guest Lecture on “Applications of Machine Learning and Deep Learning Architectures” with resource person Dr. Soma S. Dhavala, Principal scientist, Wadhvani Institute for Artificial Intelligence, Bangalore on 29-04-2022.



Mechanical Engineering Department organized one week workshop on "Python for Mechanical Engineering Problems" with resource persons Dr. Ch. Hari Krishna & Mr. Manoneet during 17-24, March 2022.



Field Visit - RUB

I, II, and III year Civil Engineering students went for a field trip to gain the empirical knowledge. The site visited was Road Under Bridge (RUB) by RVNL located near town station, D Mart, Bhimavaram.



The main purpose of this construction is to provide a road under bridge in such a way that the traffic volume is controlled by providing multiple ways for the passengers to reach their respective destination. The method is Pre-cast box segment with open cut method.

Project manager gave a brief introduction about the project and he showed all the blue prints of the project. The design part and the problems a civil engineer will encounter in the field was explained and visualized by the students.



The Department of EEE conducted a project competition to III EEE students on 14th June 2022 under Illuminaries Association which is a department level organization which will conduct various technical events for EEE Students.

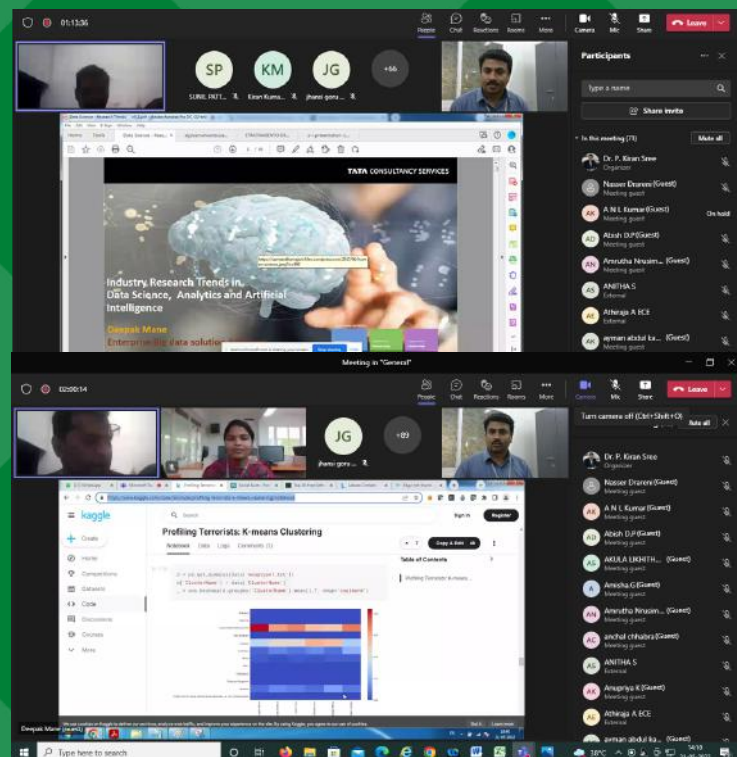


CONFERENCES & WEBINARS

AICTE Sponsored Online International Conference on Role of Artificial Intelligence and Sustainable Engineering in Driving Smart Cities from 29th March 2022 to 31st March 2022 organized by department of C.S.E at SVECW(A).



A Webinar on "Tools and Technologies in Artificial Intelligence" as a part of SVECW-Industry Talk Series, by Deepak S. Mane is a Senior Data Scientist/Enterprise Solution Architect in Global Consulting practice - Performance Engineering Lab at Tata Research Development and Design Center (A Research wing of TCS). Mr. Deepak



ISTE Student Chapter

National science day is celebrated all over India with great enthusiasm on 28th February Every year in order to innumerate the innovation of the Raman Effect in India by the Indian physist, Sir Chandrasekhar .Venkata Raman on the same day in the year 1928. For his great success in the field of science in India. Sir Chandrasekhar .Venkata.Raman was awarded and honored with a Noble prize in the physics in the year 1930.



National Science Day 2022 was celebrated on 28th February, at Smt. B. Seetha auditorium under the ISTE STUDENT CHAPTER, Shri Vishnu Engineering College for Women, had organized various Technical Events under the Esteemed Guidance of ISTE STUDENT CHAPTER Faculty Advisor, Dr. G.R.L.V.N. Srinivasa Raju, Professor & Dean R&D in the academic year 2021-22.



In this connection almost 450 students of various colleges around our SVES Campus have actively participated in various Technical and Non-technical events which conducted successfully and Prizes are distributed to all the winners by the Principal Dr. G. Srinivasa Rao and Vice-Principal Dr. P. Srinivasa Raju.

IETE Students' Forum

IETE students' forum had conducted an event named IPL, **IETE POSTER LEAGUE** on 28-04-2022 from 3:00pm at B-Block, SVECW for I, II & III B. Tech ECE students. It is a poster presentation based on the theme '5G and above technologies'. Dr. G. Srinivasa Rao, Principal, Dr. P. Srinivasa Raju, Vice Principal, Coordinator Mr. P. Ravi Kumar IETE Coordinator, Staff and the Students attended the program. Dr. M. Prem Kumar, Associate Professor and Mr. D Girish Kumar, Asst. Prof acted as judges for the event. Around 80 students participated actively.



WINNERS

FIRST PRIZE

1. M. Khyathi Sri Navya (20B05A0413)
2. I. Pushpavalli (20B05A0409)
3. P. Venkata Naga Bhavya Sri(20B05A0415)

SECOND PRIZE

1. D. Naga Mounica (21B05A0402)
2. A. Lakshmi Rajeswari (20B01A0409)
- 3 D. Sri Manisha(21B05A0403)

THIRD PRIZE

1. K. Radhika(21B01A0444)
2. M. Subadhra(21B01A0460)
3. B. Anjali(21B01A0410)



STUDENT CLUBS



STYLE & SLAY

With the desire for fashion, P. Krishna Sree (EEE), Ch. Deekshitha (EEE) and T. Bhagya Shanmukhi (AI&DS) initiated the club Style & Slay and the faculty mentor is Mrs. M. Surya Kumari, Assistant Professor from the Department of Civil Engineering had successfully conducted the club inauguration event on May 10th, 2022.

The club's motive is to design the outfits in a new and trendy way with a low budget and conduct events like live sessions based on themes for example TIE & DYE, Cloth Painting, Block Painting etc, for every 3 months for fundraising and to acknowledge. The fashion show will be conducted once in a year where we display the Costumes which were designed by the club members.



Smashing smiles, vibrant attires and stellar performances enthralled the audience in the auditorium of Shri Vishnu Engineering College for Women on May 10th, in a Fashion Show conducted by a student-based Fashion Designing Club, Style & Slay. The young Rockie 'Models' hit a high note of fashion showcasing a range of chic and stylish attire.

The gala event witnessed models walking the ramp exhibiting confidence and style. The gorgeous style divas faulted an exclusive collection of Western, Indo-Western, fancy, traditional, fairy tale, party wear, and desi wear exclusively for girls. Girly fashion is finding its ground and it is one of the fastest-growing categories in the fashion arena.



*"Style is a way to say who you are without
having to speak"*
-Rachel Zoe

Matheletes club

On Behalf of Mathematics department, SVECW & Matheletes club activities, on 26/05/2022, an event named 'Brain Games' was conducted which includes 1.Towers of Hanoi, 2.Math Ladder, 3.Stack the Cups and 4.Rapid Chess from 4.00 pm onwards Infront of A & B Blocks of SVECW. Around 300 students from B Tech and MBA have participated in the event and the events were based on Logical thinking, Memory skills, Intelligence, Creative abilities etc.

The event was conducted in the presence of faculty of Mathematics Department, Mathletes Club Faculty Coordinator Dr. P. Sricharani and Student Coordinators Vaishnavi K(EEE), M. Pallavi (CSE), Ch. Poojitha (Civil), Harshita. M (IT), S. Haritha (CSE), Y. Reshma (ECE), Chandini (CSE) from II B.Tech.

The event was well received and enjoyed by all the student participants and ended successfully at around 6.00 pm .



Making Invisible Visible Eco Friendly Association @SVECW

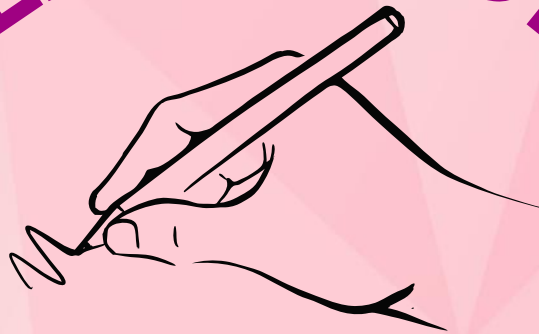
On the occasion of World Water day the Eco Friendly Association of SVECW conducted an event "Making Invisible Visible" to create awareness on Ground water Conservation. The Principal, Dr. G.Srinivasa Rao, Vice-Principal, P.Srinivasa Raju gave their messages on this occasion. The HOD Department of Chemistry, Dr.K.Jagadish and faculty co-ordinators: Dr.K Ganesh Kadiyala, , Mr.D B N S Varma and Mrs. S.Annapurna had their role in making the day a memorable one. All the participants ,dignitaries had taken a oath for ground water conservation for future generations.The event was very useful, informative and thought-provoking for the younger generation.



35 Mechanical students accompanied by 2 faculty members visited Science Technology & Innovation hub in Kovvada village on 14th April 2022.



STUDENTS CORNER



BE THE CHANGE

**A. SRI RAMYA,
21B01A0201
1 B.TECH EEE**



Plastic! It is a synthetic material which is made of polymer. Once 197 countries have signed the Montreal Protocol to solve the problem of ozone layer depletion, now its each and every person's turn to save our planet from plastic crisis. Everything has its advantages and disadvantages. In case of plastic the more we use the more it damages the environment. Though we use a plastic bag once, its harmful effects lasts on earth for more than 1000 years. 400 million tons of plastic is produced every year and only less than 10% of plastic is being recycled. 14 million tons of plastic is flowing into seas every year.

According to a survey, by 2050 the world's oceans are filled with plastic more than fish. Billion of aquatic animals are losing their lives by getting trapped in plastic and many species of fish were on the verge of extinction. Not just aquatic animals, even land animals are widely affected, as doctors found remains of plastic in animal's stomach and even causing them to death. Each and every one is responsible for this. We have no right to harm other animals with our actions. Every creature is equal and has equal importance to run the food chain properly.

It is a photo that I took on the way to Bhimavaram. It is not just this place; many places around the world are having plastic dumps in the roadside. Beautiful nature is turning into garbage bin. I wish to lead my life where nature is filled with aquatic animals and not plastic.



I wish lead my life where nature is filled with pure oxygen and not polluted air. I wish to lead my life where soil is fertile and not filled with garbage dumps. I think you wish same. It is still not too late to make this happen. Every single drop of water forms an ocean in the same way each and every person's actions will make a big change.



**KEEP
The
SEA
PLASTIC FREE**

Let us stop consuming packaged food; it saves environment and good for our health too. Let us carry our own container while buying food from outside. A waste is not a waste until we waste it. So let us recycle and reuse it. These small changes can make big differences. Let us create awareness to everyone from their childhood on how bad the world is facing plastic crisis. Strict rules should be imposed on plastic manufactures and encourage bio-degradable bags like starch bags, cloth bags, jute bags, etc. if you want to see a pollution free world take an action now. Our ancestors lived without plastic. Is it possible for us also to lead a life without it? My concern is, it is okay even if our future generation does not benefit out of our actions, but it should not harm them.

**REDUCE
REUSE
RECYCLE**

Students Publications

Ms. Muthina Venu Lalithya of III year published a conference (paper on "3D Concrete Printing in Construction Industry—A State of the Art", in Recent Advances in Civil Engineering, ScTACE 2021, Lecture Notes in Civil Engineering, vol 233, Springer, Singapore.



Ms. Gudimetla Likhitha, Ms. Inapagolla Teja Sahithi, Ms. Bandi Lavanya Reddy & Ms. Poliseti Sunyuha of III year published a conference paper on "Intelligent Traffic Control System for Smart Transportation—A Way Forward", in Recent Advances in Civil Engineering, ScTACE 2021, Lecture Notes in Civil Engineering, vol 233, Springer, Singapore.



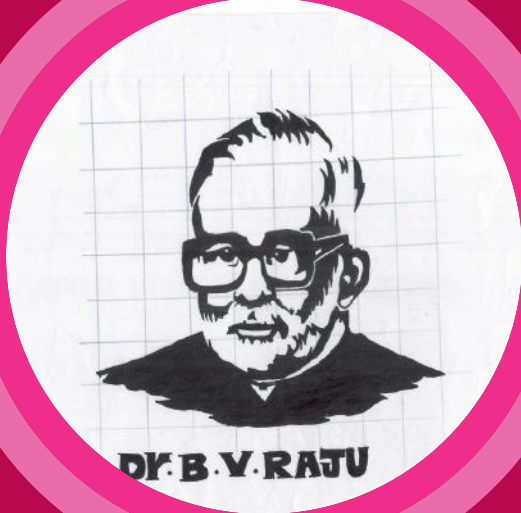
Ms. S. Musini Tejaswi published a conference (paper on "A Comprehensive Study on Vehicular Pollution and Predictive Simulation—A Review", in Recent Advances in Civil Engineering, ScTACE 2021, Lecture Notes in Civil Engineering, vol 233, Springer, Singapore, ScTACE 2021.



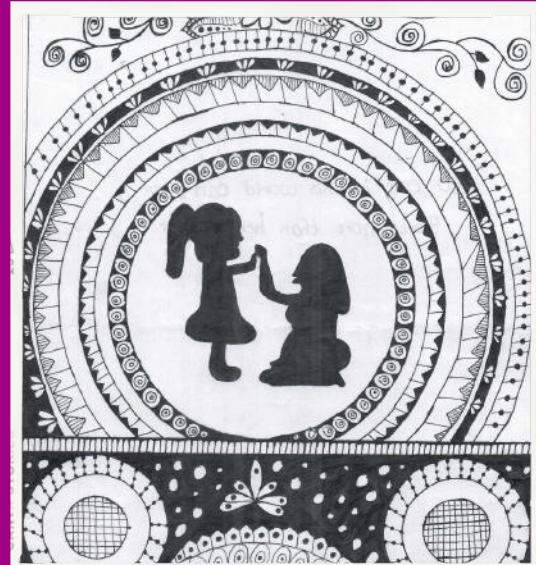
Ms. Y. Sahitya contributed one chapter for the book titled, "Facets of a Smart City: Computational and Experimental Techniques for Sustainable Urban Development," which was published by Bentham Science Publishers Pte. Ltd. Singapore and Indexed in Scopus and SCI. The Book is also available in Amazon.

CREATIVE EXPRESSION

BEST DRAWING



D.K. B. V. RATU



"Man of Simplicity and Doyen of Cement Industry"

**R.Pragathi Chowdary,
II B.Tech., CSE-C**



"No one in this world can love a girl more than her mother"

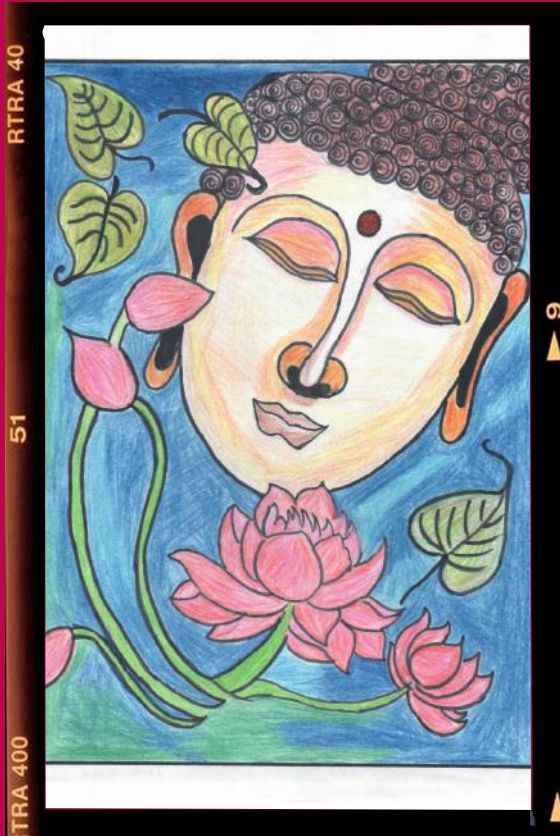
**K. Mahalakshmi,
I B.Tech., CIVIL**



**To the world, you are a mother
But to your family, you are the world.
Mother is the only person on earth,
who can divide her love among their
family.**

**G.Madhu Haritha,
I B.Tech., Mech**

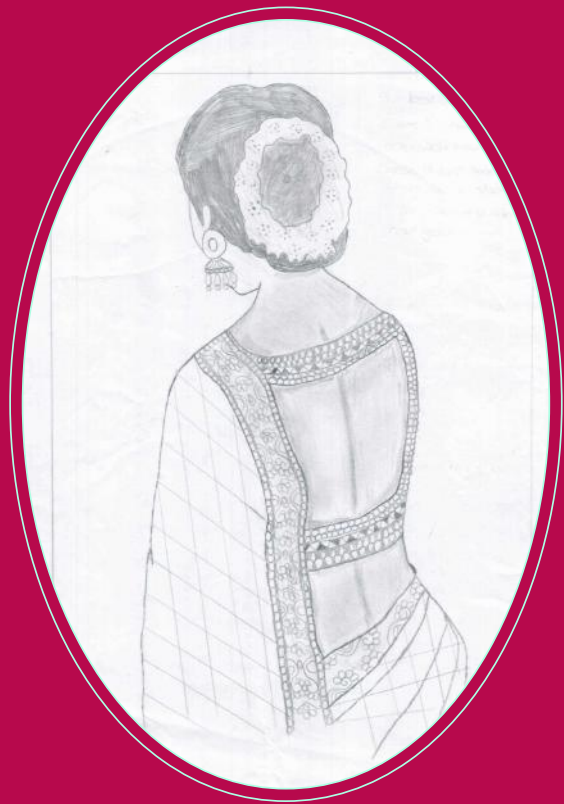




Mind is beautiful SERVANT,
But dangerous MASTER.
Be like the lotus:

Trust in the light,
grow through dirt,
believe in new beginnings.

K. Bal Sowmya Sri,
1 B.Tech., IT-B



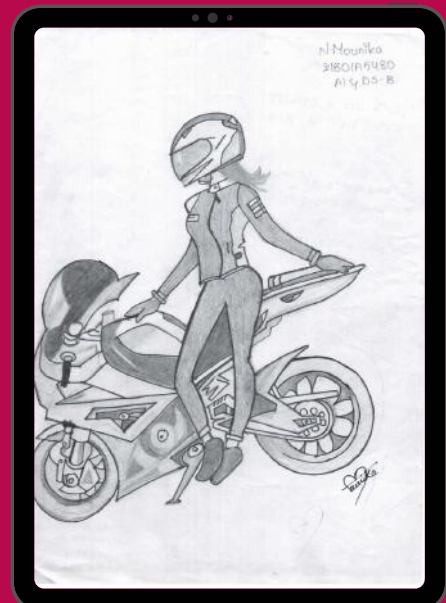
"The best thing about a Saree is
shown when a woman wear it
and then the whole world stops
their work and admire her
grace"

K. Devisri,
11 B.Tech., EEE-A



"Look like a Beauty, Ride like a Beast.
"Just a girl Boss" Building her Empire".
"She who dares wins".

N. Mounika,
1 B.Tech., AI&DS-B



Craft Design



Mahalakshmi Veleti
II B.Tech, CSE-C



Making these toys makes me feel happy and elated. It was lockdown time in 2020. Me and my mother were sitting in balcony and talking with each other. I told her that... I was feeling bored in this lockdown. I don't have any work to do. Then my mother was told me to try something new, why to waste your time. Then I asked her what to do.

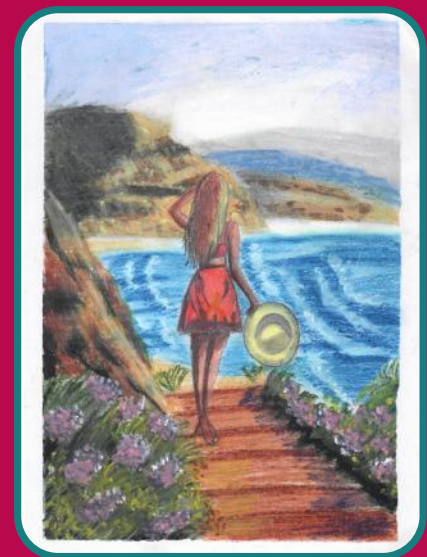


She gave some options like cooking, craft work, drawing etc., and she said that she loves craft work. Then immediately I asked her will she teach me how to make crafts. She replied yes. My heart was soo happy... And I enjoyed learning from her.



**The Silence of Nature is very real.
It surrounds you...
You can feel it.**

P. Leela Priya,
I B.Tech., Civil





"A father's love is eternal and without end.



Sk Lohinaz, 2nd CSE-C

Committing mistakes is different from committing sins!!

Not every mistake is a sin, but every sin is a mistake!!

Committing mistakes is sometimes permissible whereas committing sins is always punishable!!



There is a difference between Colours of life and Shades of life!!

Everyone wants to enjoy the colours of life!!

But to do so, one should come across all the shades of life!!

Radio Vishnu

Radio Vishnu 90.4 is the 1st talk-based campus Radio in Telugu states. Our programs are innovative and reflective of the diverse voices of our campus and surrounding community. All our programs are by the students and for the students. We strive to achieve perfection by involving the students of Sri Vishnu Educational society for preparing and presenting the programs. Embarking upon yet Radio Vishnu 90.4 CR so far trained 300 plus Rjs. Radio Vishnu90.4 CR is developing a closer connection with the campus and community and continues to work on improving and strengthening its programming.



I'M A WOMAN! WHAT'S YOUR SUPERPOWER?

A Daughter is asking to her mom.....!
She asked who had decided!
only boys could play in dirt.....
Then her mother told,she didn't know
She asked where the saying came from
That "oh boys will be boys"
And why there wasn't one that told them,
That girls are not your toys,
She asked why girls have all restrictions
Why not for boys, why girls can't go outside at
night,
why boys are allowed to go
Momma!do you know what is real freedom for us?
We can also do things like a man without limits or
restrictions. but Our freedom is to let us choose
and decide what we want...:)
she said,
woman I am,
The love I share,
The voice I have,
The life I create,
Make a change ;
Now Educate your boys
Make them learn how to respect girls,
Make rules for boys limit their boundaries
Don't judge make a difference and
Change the society



K. Samsurendra
II BTech, AI&DS



The Empowered Women

is Powerful
beyond measure
and beautiful
beyond description



J. Anusha
II BTech, AI&DS

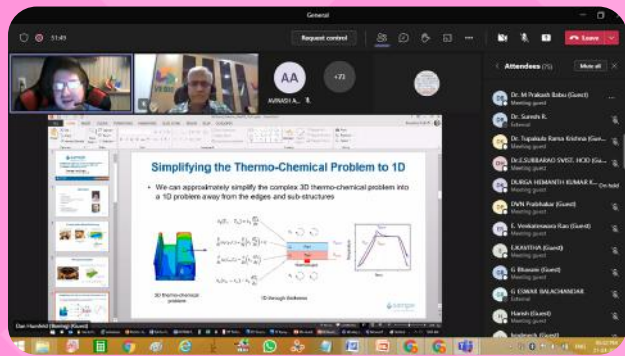
Vishnu ATV & Go-kart Track



The ATVs and go-karts, including electrical ones, have been developed from scratch by the students under the mentorship of project manager Manoneet Kumar. The track was inaugurated by Sanjay Sudhakar Nibandhe, Chairman of SAEINDIA. Students developed six vehicles - three go-karts and three ATVs. The ATV track is up to 1.4 km and go-karting track runs 0.5 km.



Mechanical Engineering Department organized a one week online FDP on “Artificial Intelligence/Machine Learning for Mechanical Engineering Problems” during 21st - 26th March 2022





ECE Department is going to organize International Springer Conference
ICMEET 2022
22-23, July 2022

CSE Department is going to organize a FDP on Advanced Deep Learning Methods for Cyber Security
25-30, July 2022

CIVIL Department is going to organize Skill Development Programme for staff and students
27,28 & 29 July 2022

CIVIL Department is going to organize Model Making Programme
Last Week of June, 2022

CIVIL Department is going to organize Student Development Programme on "Revit Architecture".
July 3rd week 2022

CIVIL Department is going to organize Student Workshop on "Advanced structural health monitoring system"
August 1st Week, 2022

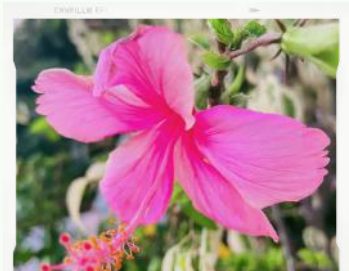
Mechanical Department is going to conduct "Digital Manufacturing Challenge - 2k22" (An Inter Disciplinary Project Competition)
20 June- 28 August 2022

Mechanical Department is going to conduct "A Ten days Students Workshop on CATIA"
20-30, June 2022

EEE Department is going to conduct an event " Live Demo on DC Motor control using Lab view & MATLAB Interfacing"
July 3rd week 2022



Vaishnavi. K
II B.Tech. EEE-A



B. Venkata Anusha
I B.Tech. Civil

Theme: Flowers



K. Yamini
I B.Tech. Civil



P. Krishna Sree
II B.Tech. EEE-B



K. Yamini
I B.Tech. Civil



T. Harini
I B.Tech. Civil



S. N.Nishitha Devi
II B.Tech. EEE-B



Vaishnavi. K
II B.Tech. EEE-A



K. Lakshmi Sowmya
I B.Tech. Civil



P. Krishna Sree
II B.Tech. EEE-B



B. Venkata Anusha
I B.Tech. Civil



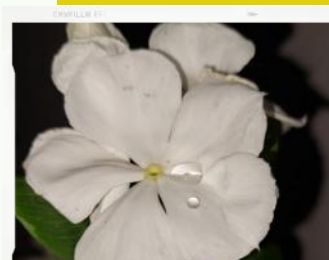
Best Click by Ch. Kavyasri
III B.Tech, IT - A



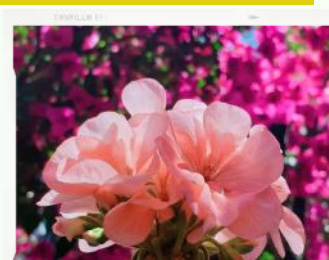
B. Poojitha
I B.Tech. Civil



M. Vidya Sri
I B.Tech. Civil



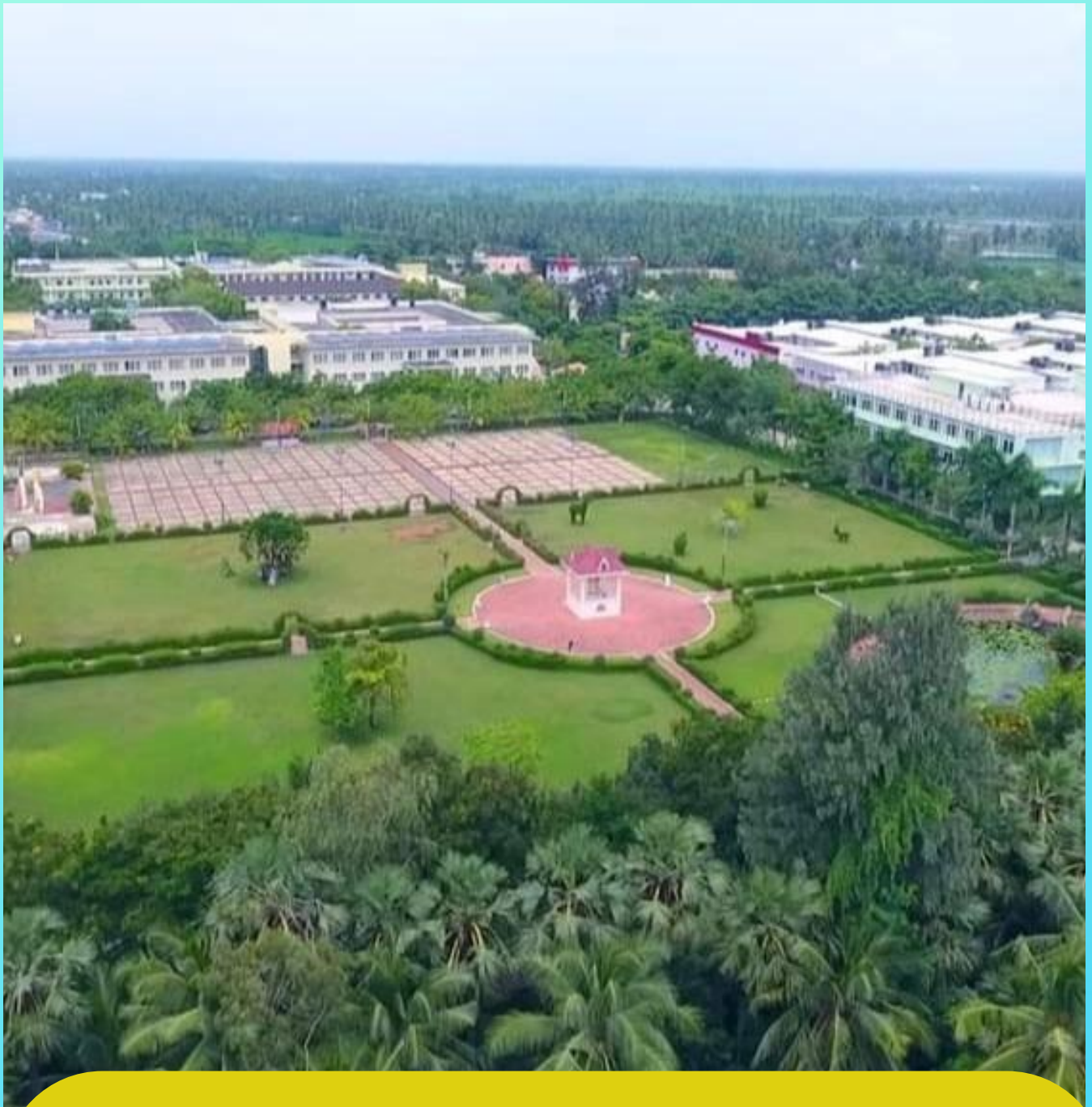
P. Ruthvika
I B.Tech. Civil



B. Venkata Anusha
I B.Tech. Civil



D. Vasudha
I B.Tech. Civil



**A Beautiful Green Campus where
Hidden talents are brought out.**

Shri Vishnu Engineering College for Women :Bhimavaram

Dr. Pushpa Kotipalli
Chief Editor
Professor,
ECE Department

Mrs. V.T.R.Palleswari
Editor
Assistant Professor,
EEE Department

Mr. D.B.N Suresh Varma
Designer
Assistant Professor,
Chemistry Department