

SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN :: BHIMAVARAM
(Autonomous)

ANNUAL REPORT :: 2023-24

Institute Profile:

Shri Vishnu Engineering College for Women (A) – SVECW was established in 2001 to cater to the needs of the aspirations of rural girl students in the field of engineering education. Since its inception with three undergraduate programs with an intake of 180 students, the college has incrementally added more programs. Presently, there are seven undergraduate and five PG programs with an intake of 1074.

Over the years, SVECW has been recognized by various national and international bodies such as NBA, NAAC, NIRF, AIIRA, AICTE – CII Survey, AICTE – USVA 2020, MHRD – IIC, IMC, APQO and QEEE, as an institute of excellence.

The Industry Relations of SVECW is one of its kinds with multi-layered support system. The network of offices in Hyderabad, Chennai, Bengaluru, Pune, and Vadodara will be in constant touch with diversified industries across the country to pursue placements, internships, industry - academia interaction, R&D collaborations etc. Leadership is actively involved in promoting change in education and industry collaborations by taking active role in Industry Bodies such as NASSCOM, CII etc.

SVECW also has MoUs with many companies (IT as well as core) in designing the industry specified curriculum, faculty development, certifications for students etc. These activities help students and faculty to stay ahead of their peers in acquiring the latest technologies and skills.

SVECW works with organizations such as TalentSprint, Smart Interviews, ELEPHOS, VINEX, TIME and Foreign Language Programs on specific Academic Programs to help students get the skillset before they graduate and be ready to be productive for hiring organizations from Day-1. Skill promotion has helped students perform consistently, be superior in many competitions organized by Industry. The examples are Hackathons or coding or project competitions.

These initiatives always stand SVECW consistently ahead of others in placements from 2015 onwards in top MNCs such as Amazon, Flipkart, Adobe, Caterpillar, ZOHO, JohnDeer, Providence, American Express etc.

SVECW is proud of its uniqueness in many ways. To mention a few:

- ✓ Radio Vishnu 90.4, the only college in A P state to have FM Radio
- ✓ Rural Women Technology Park
- ✓ FIST
- ✓ Assistive Technology Lab
- ✓ IUCEE
- ✓ Vehicle Design Lab
- ✓ IoT Lab
- ✓ TBI

The college has MOUs with academia such as Central Michigan University, University of Massachusetts, Community College of Philadelphia, Purdue University, Northern Illinois University and IEG, GC German Center for Engineering and Management Studies UG Aachen and European Center for Mechatronics APS GmbH Aachen, and University of Bolton.

The college believes that teaching and research are interlinked. In order to ably do this, the college gives financial assistance to faculty to pursue higher education through initiatives such as reimbursement of tuition and registration fee for Ph.D Programs, leave with pay for post graduate and Ph.D Programs, financial assistance to attend and conduct conferences and workshops. The college acknowledges and honors teachers with special talents and competencies with awards and monetary rewards.

The college's knowledge hub, the library houses a large number of books and journals both print and online to cater to the intellectual needs of faculty and students.

The teaching-learning is given top priority. Some of the unique features of the curriculum include:

- ✓ Open Electives
- ✓ Pre Electives
- ✓ Self-phase Learning Courses
- ✓ Art Courses
- ✓ Value Added Courses
- ✓ Internship support
- ✓ Bridge and Remedial Courses for slow learners

To cultivate research mindset in students, they are encouraged to become members of a number of professional bodies like ISTE, SAE, CSI, IETE, IEEE, IET and ICI. Some of the economically weak students are given fee waivers, opportunities to earn while they learn and financial assistance in participating at state/national level conferences/seminars etc.

Apart from the curriculum, the students are engaged in a large variety of projects. Some of which are: Visitor tracking system, Unmanned autonomous boat, Bamboo Bicycle, E-stick, Braille Printer etc.

The students of SVECW have the advantage of pursuing their interests and hobbies through a 28 student clubs to showcase their creativity and develop their leadership skills.

To mention a few: CodeChef SVECW Chapter, Toastmasters International Club, SAHAYA, IDEA Club, Amateur Astronomy Association, Eco-friendly Club, MECOW etc.

Amenities at SVECW include 1200 capacity of a/c auditorium, Open air auditorium, electricity power backup, computing facilities, RO Plant, water sewage treatment plant, hostels, book store, Bank, post office, photo studio, tailoring shop, car driving institute, ATMs, beauty parlour, convenience store and temples, boat club, swimming pool, Radio Vishnu, Vishnu TV Academy, Music Club etc.

The well-equipped gymnasium and dedicated Psychology department with qualified staff provide recreation through mental and physical fitness.

Education at SVECW is an experience.

Vision of the Institute

Transform the society through excellence in Women's Education, Community empowerment and sustained Environmental protection.

Mission of the Institute

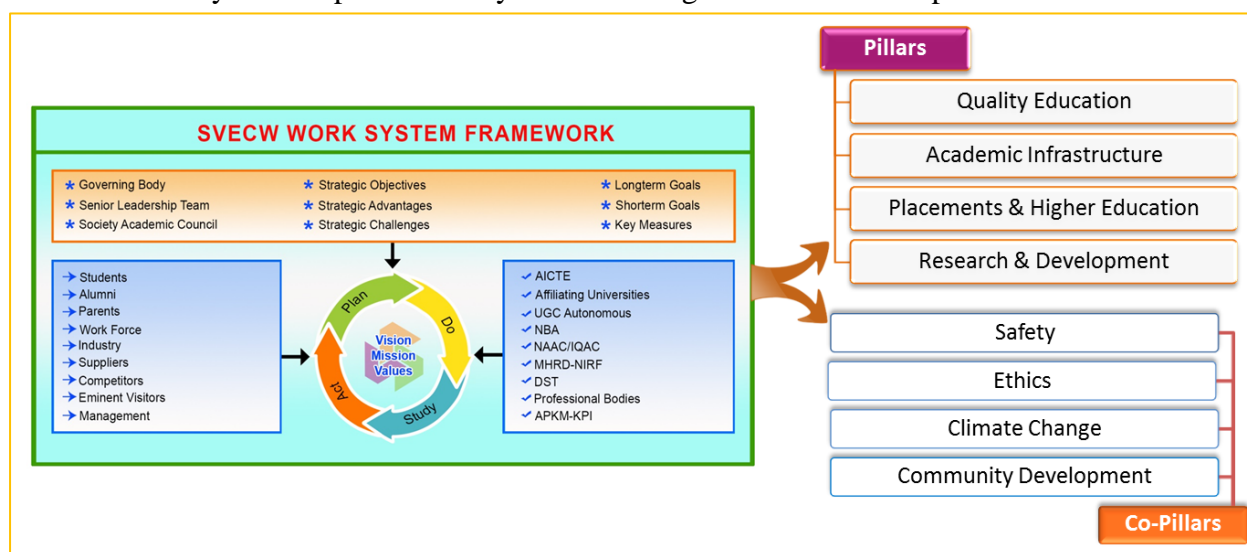
- ✓ To achieve Academic excellence through innovative learning practices
- ✓ To instil self confidence among rural women students by supplementing with co-curricular and extra-curricular activities
- ✓ To inculcate discipline and values among rural women students
- ✓ To establish centers for Institute Industry partnership
- ✓ To extend financial assistance for the economically weaker sections
- ✓ To create self employment opportunities and skill up gradation
- ✓ To support environment friendly Green Practices
- ✓ Creating innovation hubs

Values of the Institute

- ✓ We strive for excellence in all that we do in order to model success for our students
- ✓ We focus on students' success and satisfaction and meeting the needs of the community
- ✓ We take pride in the quality of our organization and work, and we value, originality, integrity, consistency, and attention to detail
- ✓ We stay abreast of ever-changing youth culture, emerging communication technologies and design trends
- ✓ We set benchmarks and model high quality standards for students, faculty, staff, and community partners
- ✓ We lay utmost importance on discipline, punctuality, personal values and healthy practices
- ✓ We create an innovative environment for students and staff to develop an integrated personality
- ✓ Inclusive community projects

Work System of SVECW

In SVECW, the accountability is accomplished with an efficient and effective work system framework commissioned since inception of the institution. The agile featured SVECW work system framework mainly focuses on Quality Education, Infrastructure, Placements & Higher Studies and Research & Development as its Pillars. It also in-tune with ethics, innovation, mendment with safety and adaptable for any climate change as its Co-Pillars presented here.



Pillars of SVECW

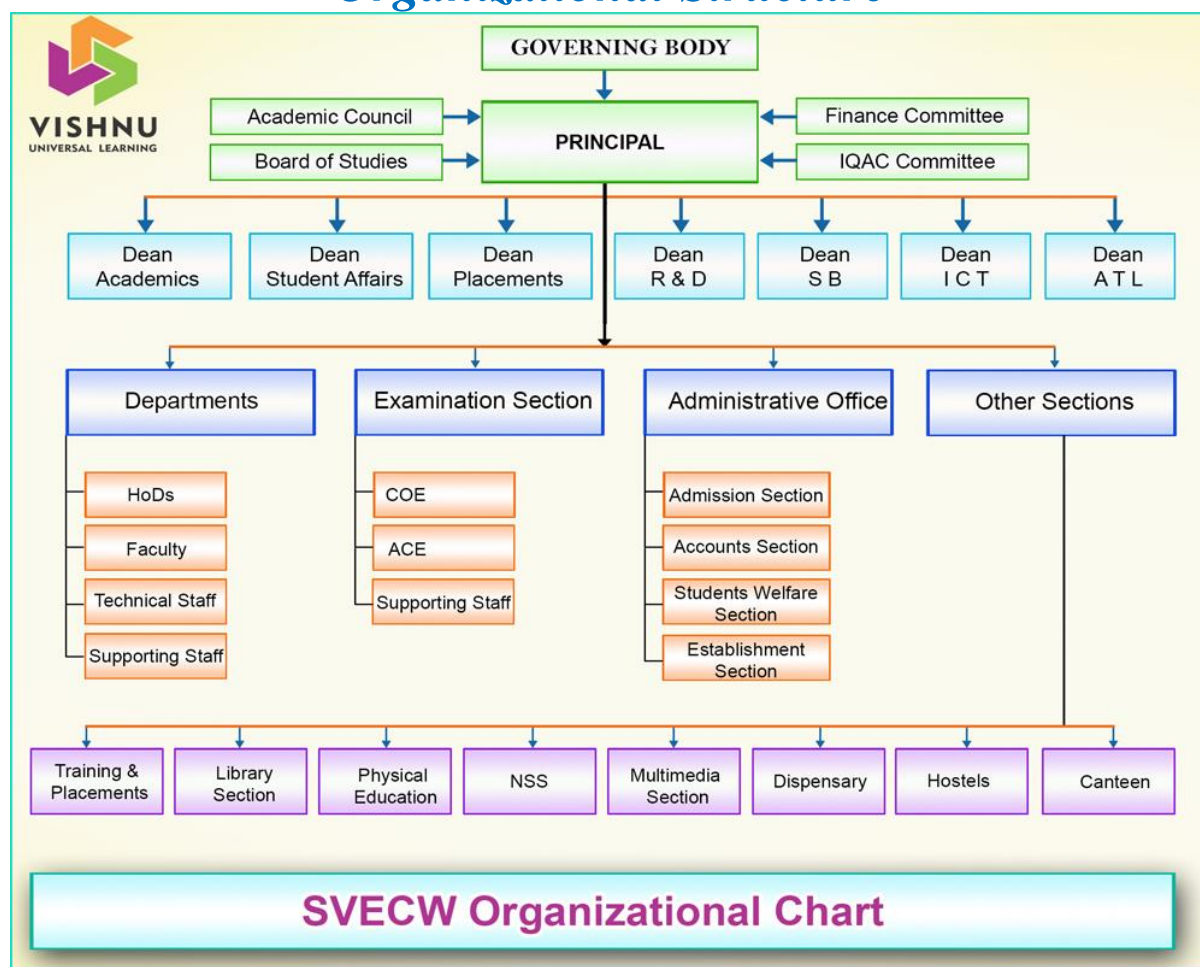
Quality Education	Infrastructure	Placements & Higher Education	Research & Development
<ul style="list-style-type: none"> ✓ Teaching-Learning Zone: <ul style="list-style-type: none"> ▪ Direct Instruction ▪ Problem Based ▪ Co-operative ▪ Activity Based ▪ Case Based ▪ Small Group Teaching ▪ Virtual ▪ Project-Based ✓ Micro level lesson plan ✓ Guest Lectures ✓ Workshops ✓ Professional Bodies ✓ Industrial Visits ✓ Webinars ✓ Orientation Programs ✓ QEEE ✓ NPTEL, e-content ✓ MOOCS ✓ Google Classroom Learning ✓ Student Clubs ✓ TEQIP ✓ Project Exhibitions 	<ul style="list-style-type: none"> ✓ VEDIC ✓ Centers of Excellence ✓ State-of-the-art Laboratories ✓ Central Library ✓ Knowledge Center ✓ Modern Auditoriums ✓ Campus Book Stores ✓ Wi-Fi Campus ✓ Radio Vishnu 90.4CR ✓ Vishnu T.V Academy ✓ ECAP ✓ PACT ✓ Campus Hostel ✓ Food Courts ✓ Fitness Centers ✓ Staff Quarters ✓ Swimming Pool ✓ Sports Complex ✓ Driving School ✓ Bank & ATMs 	<ul style="list-style-type: none"> ✓ TAP team ✓ Industry-Institute Interaction Cell ✓ Placement Liaison Offices ✓ Career Guidance Cell ✓ Placements Internal Training ✓ Placements External Training ✓ Foreign Languages ✓ APSSDC ✓ Industry MOU's ✓ Internships ✓ Placements ✓ Mission R & D ✓ Embedded Co-curricular Calendar ✓ Industrial Visits ✓ Entrepreneurship Cell ✓ Mentoring/Customization ✓ Certification Courses ✓ GATE/GRE Training 	<ul style="list-style-type: none"> ✓ R&D Centers ✓ Research Labs ✓ Founded R & D Projects ✓ Faculty Publications ✓ Student Publications ✓ Book Publications ✓ Patents ✓ ATL ✓ Multi-Disciplinary Projects ✓ MOU'S with R & D organization ✓ Consultancy ✓ Incentives ✓ Interaction with Eminent Researchers ✓ Faculty Development Programs

- ✓ Technical Events
- ✓ VKC / VEMC
- ✓ Psychology Department
- ✓ Power Backup

Co-Pillars

Community Development	Safety	Climate Change	Ethics
<ul style="list-style-type: none"> ✓ Rural Women Technology Park ✓ Swarna Bharath Trust ✓ Blood Donation Camps ✓ Donations ✓ Smart Villages Adaption ✓ NSS Activites ✓ Sahaya Club 	<ul style="list-style-type: none"> ✓ Security Guards ✓ CC Cameras ✓ Fire Extinguishers ✓ Parking Lanes with Sign Boards ✓ Bio-metric Gate Pass ✓ Personal protective Equipment 	<ul style="list-style-type: none"> ✓ Green Plantation ✓ Solar Power ✓ Avoiding Usage of Plastic ✓ Harvesting Rain water ✓ Sewage Water treatment plants ✓ RO water plant ✓ Cycling in campus ✓ World Earth Day 	<ul style="list-style-type: none"> ✓ Blood Banks ✓ Scholarships ✓ Staff Welfare Found ✓ Ethics related courses in curriculum ✓ Committees ✓ Empathy Club

Organizational Structure



Members of Governing Body

Number	Category	Nature	Name of the Member
Member 1	Management	Trust of Management as per the constitution or byelaws, with the Chairman or President / Director as the Chairperson	Sri K.V. Vishnu Raju, Chairman, SVES
Member 2	Management		Sri Ravichandran Rajagopal, VC, SVES
Member 3	Management		Sri Aditya Vissam, Secretary, SVES
Member 4	Management		Sri JVSSRD Prasada Raju, Director, SVES
Member 5	Management		Dr. D. Suryanarayana, Director, VIT
Member 6	Teachers of the College	Nominated by the Principal based on Seniority	Dr. P. Srinivasa Raju Vice-Principal, SVECW Mobile: 9949433561, 9848051152 Email: viceprincipal@svecw.edu.in
Member 7	Teachers of the College		Dr. S.M. Padmaja Professor & Head, Dept. of EEE Mobile: 9849746741 Email: padmaja_vvr@svecw.edu.in
Member 8	Educationalist or Industrialist	Nominated by the Management	Dr. U. Chandra Sekhar WIPRO, Bengaluru Phone: Email: rapidchandra@gmail.com
Member 9	UGC Nominee	Nominated by the UGC	Dr. Buddha Singh School of Computer & Systems Sciences, Jawaharlal Nehru University, New Delhi – 110067 Ph: 011-26704775 (O) Email: buddhasingh@mail.jnu.ac.in
Member 10	State Government Nominee	Academician not below the rank of professor or state government official of Directorate of Higher Education / State Council of Higher Education	Mr. J. Satyanarayana Murthy RJD, Technical Education, Kakinada Mobile: 9912342175 Phone: 0884-2376194 Email: rjdtkdd@rediffmail.com rjdtkdd@gmail.com
Member 11	University Nominee	Nominated by the University	Dr. D. Haritha Professor of CSE, UCEK, JNTUK, Kakinada Phone: 0884-2300866 / 9440810901 Email: harithadasari9@yahoo.com
Member 12	Principal of College	Ex-Officio	Dr. G. Srinivasa Rao Principal, SVECW Mobile: 9666832284, 9949415027 Email: principal@svecw.edu.in

Members of College Academic Council

Number	Category	Nature	Name of the Member
Member 1	Principal of College	Chairman	Dr. G. Srinivasa Rao Mobile No: 9666832284, 9949415027 Email: principal@svecw.edu.in
Member 2	Industry Expert	Member	Mr. K.A. Rama Krishnam Raju Project Manager, Tech Mahindra, Hyderabad. Mobile No: 9618281828 Email: rkkalidindi@gmail.com
Member 3	Legal Expert	Member	Mr. J.V.S.S.R.D. Prasada Raju Director (Admin.) Sri Vishnu Educational Society Bhimavaram, Mobile : 9949433568 Email: prasadaraju.j@srivishnu.edu.in
Member 4	Educational Expert	Member	Dr. D. Suryanarayana Director, Vishnu Institute of Technology, Bhimavaram Mobile: 9949433588 Email: surya_dasika@yahoo.com
Member 5	University Nominee	Director, Academic Planning, JNTUK	Dr. K. Venkata Reddy, Professor of EEE & Director – Academic Planning, JNTUK, Kakinada Mobile: 7893407555 (M) Email: dap@jntukdapportal.edu.in / kvr.jntu@gmail.com
Member 6	University Nominee	Director of Evaluation, JNTUK	Dr. B. Balakrishna Professor of ME & Director of Evaluation, JNTUK, Kakinada, Mobile: Email: de@jntuk.edu.in
Member 7	University Nominee	Member from University	Dr. N. Balaji Professor of ECE, UCEK, JNTUK, Kakinada Mobile No: 9502441555 Email: narayanamb@rediffmail.com
Member 8	HOD-EEE	Member	Dr. S.M. Padmaja Mobile: 98497 46741 Email: hodeeee@svecw.edu.in
Member 9	HOD-ECE	Member	Dr. K. Padmavasavi Mobile: 94414 14651 Email: hodece@svecw.edu.in
Member 10	HOD-CSE	Member	Dr. P. Kiran Sree Mobile: 94407 86023 Email: hodcse@svecw.edu.in

Member 11	HOD-IT	Member	Dr. D.V. Naga Raju Mobile: 99487 66686 Email: hodit@svecw.edu.in
Member 12	HOD-CE	Member	Dr. P. Gireesh Kumar Mobile: 89787 84998 Email: hodcivil@svecw.edu.in
Member 13	HOD-ME	Member	Dr. Ch. Harikrishna Mobile: 99494 33561, 98480 51152 Email: hodmechanical@svecw.edu.in
Member 14	HOD – AI	Member	Dr. A. Srikrishna Mobile: 88856 05656 Email: hodai@svecw.edu.in
Member 15	HOD-MATHS	Member	Dr. D. Ravi Kiran Mobile: 99125 20723 Email: hodmaths@svecw.edu.in
Member 16	HOD-ENGLISH	Member	Mr. P. Srihari Raju Mobile: 99898 23415 Email: hodenglish@svecw.edu.in
Member 17	HOD-CHEMISTRY	Member	Dr. K. Jagadeesh Mobile: 97043 34888 Email: hodchemistry@svecw.edu.in
Member 18	HOD-PHYSICS	Member	Dr. J.V. Srinivas Mobile: 98668 50201 Email: hodphysics@svecw.edu.in
Member 19	HOD-MBA	Member	Dr. G. Subba Raju Mobile: 99494 70637 Email: hodmba@svecw.edu.in
Member 20	Teachers of the College	Members representing different categories of teaching staff by rotation on the basis of seniority of service in the College.	Mrs. P. Prasanthi Asst. Professor of English, Dept. of BS Mobile: 94401 11470 Email: jprasuvarma@svecw.edu.in
Member 21	Teachers of the College		Mrs. P. Lavanya Asst. Professor in CE, SVECW Mobile: 97042 60234 Email: plavanyacivil@svecw.edu.in
Member 22	Teachers of the College		Mr. J.V. Narasimha Raju Asst. Professor in ME, SVECW Mobile: 94413 91190 Email: jvnraju1978@gmail.com
Member 23	Faculty Member	Member Secretary	Dr. K.S.N. Raju COE, SVECW Mobile: 94915 33366 Email: ce@svecw.edu.in

Courses Offered – Intake

Details of Intake 1st year of B.Tech. M.Tech and MBA during the academic year 2023-24 are given in the table.

Course	Approved Intake
B.Tech. – Civil Engineering	60
B.Tech. – Computer Science & Engineering	180
B.Tech. – Electronics & Communication Engineering	120
B.Tech. – Electrical & Electronics Engineering	60
B.Tech. – Information Technology	180
B.Tech. – Mechanical Engineering	60
B.Tech. – CSE [Artificial Intelligence & Data Science]	120
B.Tech. – CSE[Artificial Intelligence & Machine Learning]	120
B.Tech. – CSE(Cyber Security)	60
M.Tech. – Computer Science & Engineering	18
M.Tech. – Software Engineering	9
M.Tech. – VLSI Design	18
M.Tech. – Power Electronics	9
M.B.A.	60

Centers of Excellence

- ✓ Vishnu Technology Business Incubator (TBI)
- ✓ Vishnu Space Application Center (VSAC)
- ✓ Vishnu Student Success Centre
- ✓ TEDxSVECW
- ✓ AR / VR Studio
- ✓ MEDA & PLM CoE
- ✓ Science Technology & Innovation Hub (STI Hub)
- ✓ AICTE IDEA Lab
- ✓ NASSCOM Embedded Systems Training
- ✓ HCL Tech VLSI Training
- ✓ Microchip Embedded System
- ✓ Vehicle Design Lab
- ✓ Assistive Technology Lab (ATL)
- ✓ Chips to Startup (C2S)
- ✓ TI-DSP Centre of Excellence
- ✓ Concrete Canoe Laboratory
- ✓ Dream House Construction Lab
- ✓ Ultra Tech CoE
- ✓ Rural Women Technology Park – WTP
- ✓ Institution Innovation Cell
- ✓ TalentSprint – WISE
- ✓ Smart Interviews – C&DS Programme

- ✓ High Performance Computing Lab
- ✓ Foreign Languages
- ✓ Graduate Study Abroad Center – GSAC
- ✓ Radio Vishnu 90.4
- ✓ Nirvahana
- ✓ Vishnu School of Music

Professional Bodies

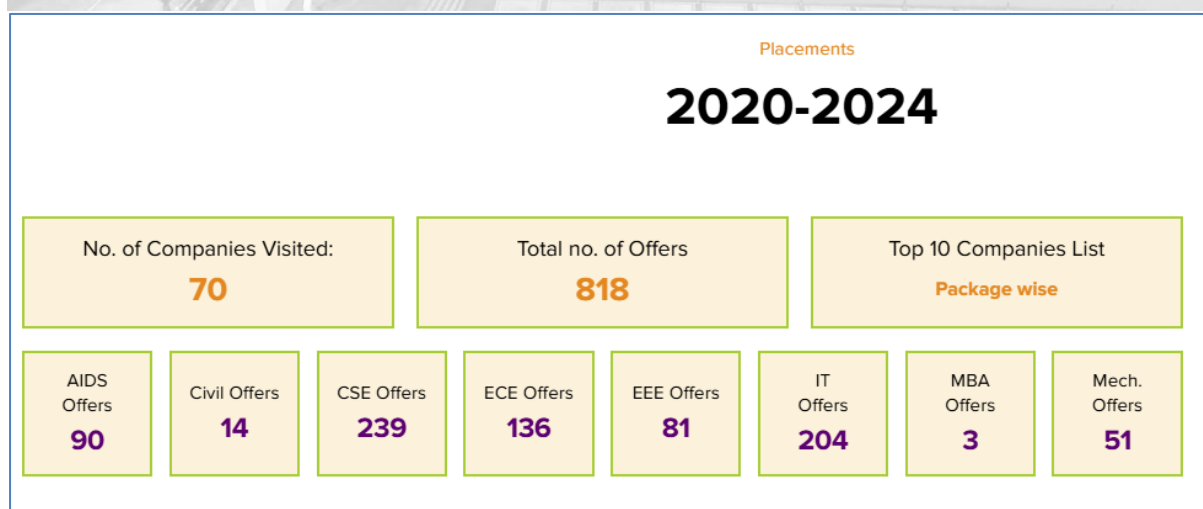
Students' Chapters of Professional Bodies The College also organized various co-curricular activities for students through the Professional Chapters:

- ✓ Indian Society for Technical Education (ISTE)
- ✓ Institution of Electronics and Telecommunication Engineers (IETE)
- ✓ Computer Society of India (CSI)
- ✓ The Institute of Electrical and Electronics Engineers (IEEE)
- ✓ Society of Automotive Engineers India (SAEIndia)
- ✓ Indian concrete institute (ICI)
- ✓ Institution of Engineers (IE)

Student Clubs

- | | |
|----------------------------|--------------------------|
| ✓ AAA Club | ✓ Splash Out Club |
| ✓ Tech Xtreme Club | ✓ Empathy Club |
| ✓ Story telling Club | ✓ TechniSafoos Club |
| ✓ Sparta Club | ✓ Toast Masters Club |
| ✓ Happy Club | ✓ Self Defence Club |
| ✓ Eco Friendly Association | ✓ Synergy Club |
| ✓ Photography Club | ✓ Mathlets Club |
| ✓ Sports Club | ✓ Future India Club |
| ✓ Painting Club | ✓ Vishnu Music Club |
| ✓ Idea Club | ✓ Sahaya Club |
| ✓ Organic Farming Club | ✓ Rockmefab Club |
| ✓ Fashion Designing Club | ✓ Cultural Club |
| ✓ Page Turners Club | ✓ Dance Club |
| ✓ Mecow Club | ✓ CodeChef SVECW Chapter |

Placements Details



Research & Development Activities

Details of Patents

Application Number	Applicant Name	Dept.	Date of Filing	Title Of Invention
202205074	Ramesh Babu Mallela	CSE	25-01-2023	A Counting Bloom Filter
367333-001	Dr. P Kiran Sree, Dr. M Prasad	CSE	23-11-2023	Paper Scanning Machine Based on Internet of Things
202241008733	Mr. Ch. Phaneendra Varma	CSE		Machine Learning Based Approach to Detect Anomalies In IOT Devices

201941025873	Shri Vishnu Engineering College for Women	EEE	28-06-2019	Apparatus and Method for Single Motor Drive Testing for Electric Vehicle Under Different Simulated Road Conditions
202341038669	Dr. P Gireesh Kumar Mr. B Venkatesh Ms. M Surya Kumari Ms. P Lavanya Ms. Ch. Manjula Ms. V Manasa Mrs. A Tripura Ms. Ch. Harika Mr. Ramgopal L Mr. N HariPavan	CE	06-06-2023	Method of Constructing Steel Reinforced Concrete
390360-001	1.Dr.Natchimuthu 2. Dr. Pala Gireesh Kumar 3. Dr. S Meenakshi Sudarvizhi 4. Jagadish Shrisalla Haranatti 5. Prasoon P.P. 6. R Saleema Begum	CE	14-07-2023	Hand-Drill Auger for Concrete Floors
202341014287	Dr. G Durga Prasad	AI	03-03-2023	Smart Grids for localising abnormal Conditions detection system and method
202341021299	Dr. G Durga Prasad	AI	24-03-2023	Implementation of identification system using Multilevel Converters for active filters
202311062490	Dr. A. Sri Krishna	AI	17-09-2023	Personalized Recommendation Systems Enhanced by Natural Language Processing Capabilities
202311062490	1 . Pooja Sharma 2 . Dr. Purushotam Naidu k 3 . Dr. Lakshmana Rao Vadala 4 . Mr. Udaya Kumar Addanki 5 . S. Sumahasan 6 . Dr. P Krishna Subba Rao 7 . Dr. A. Sri Krishna	AI	17-09-2023	Personalized Recommendation System Enhanced by Natural Language Processing Capabilities
20 2023 105 674.1	Ms. Padma Bellapukonda	IT		IoT Based Integrated Aquaculture Management System
0	Mr. P L V D Ravi Kumar	IT		Device for Modulation Techniques

202341006542	Javvadi Eswara Manikanta	ME	01-02-2023	Guided cutting tool
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Funded R & D Projects

S.No.	Sanction File No	Name of the Project	Name of the Staff	Dept	Total Amount Sanctioned in Lakhs
1	EE-9/2/2021-R&D-E	Memory-Optimized CoProcessing Unit for Enhanced Edge AI" to be implemented by Shri Vishnu Engineering College for Women, Bhimavaram under Chips to Startup (C2S) Programme.	Dr. K Padma Vsavi Dr. M V Ganeswara Rao Dr. M V Subbarao Mr. G Challa Ram	ECE	64,55,000
2	DST/SEED/C RRC/2022/202 2/92	Establishment of Community Resilience Resource Centre CRRC in Bhimavaram, Undi, Palakoderu, Attili and Kalla Blocks, West Godavari District, Andhra Pradesh State.	PI: Dr S Hanumantha Rao Co-PI:Dr K Jagadish Dr K Ganesh	ECE,BS-Chemistry	1,24,88,182
3	1690953705/A ICTE/ATAL/2 023-2024	Design Thinking and Prototyping for Industry 4.0	Dr. Sudheer Kumar Terlapu Mr. B. Satya Krishna	ECE, AICTE-IDEA Lab	3,50,000
4	F. No. 1692110637/A ICTE/ATAL/2 023-24	Advancements in Nanoscale VLSI Design: Enabling Next-Generation Integrated Circuits”	Dr S Hanumantha Rao Mr G Challaram	ECE	3,50,000
5	F.NO. 1691386373/A ICTE/ATAL/2 023-24	Current Trends and Future Prospects: AI and Machine Learning Applications in Electrical Engineering	Dr. S.Dileep Kumar Varma & Dr M V Srikanth	EEE	3,50,000

Details of Publications

Journals:

1. Rao KS, Kumar BVN, Rajeev YN, Venkatarao K, Cole S. Structural, morphological and photoluminescence properties of Eu³⁺ doped Cd₂Sr(PO₄)₂ nanopowder. *J Mol Struct* 2023;1284.
2. Borra Spr, Rao Mvg, Kumar Pr, Pyla S, Sagar Kv, Devi Ag, Kodepogu Kr. Unhealthy Plant Region Detection In Plant Leaves Using Adaptive Genetic Algorithms. *J Theor Appl Inf Technol* 2023;101(8):3133-7.
3. Kumar BVN, Rajeev YN, Shaik EB, Venkatarao K, Rao KR, Cole S. Enhanced luminescence and energy transfer of Bi³⁺/Dy³⁺ co-doped La₂Zr₂O₇ nanophosphors for pc-LED applications. *Phys Chem Res* 2023;11(1):23-31.
4. Devi AG, Borra SPR, Haritha T, Mandava VSR, Balaji T, Sagar KV, Kodepogu KR. An improved CHI2 feature selection based a two-stage prediction of comorbid cancer patient survivability. *Rev Intell Artif* 2023;37(1):83-92.
5. Rao Vvrn, Silpa N, Mahesh G, Reddy Ss, Kumar V, Rao Kbvb. An Optimal Machine Learning Model Based On Selective Reinforced Markov Decision To Predict Web Browsing Patterns. *J Theor Appl Inf Technol* 2023;101(2):859-73.
6. Challa Ram G, Sambaiah P, Yuvaraj S, Kartikeyan MV. Tunable bandstop filter using spoof surface plasmon polaritons for terahertz applications. *AEU Int J Electron Commun* 2023;170.
7. Josphineleela R, Raja Rao PBV, shaikh A, Sudhakar K. A multi-stage faster RCNN-based iSPLInception for skin disease classification using novel optimization. *J Digit Imaging* 2023.
8. Subbarao MV, Ram GC, Varma DR, Kumar DG, Kumar MP. Automatic fault detection in industrial smart grids using KNN and ensemble classifiers. *El-Cezeri J Sci and Eng* 2023;10(2):240-52.
9. Kumar PR, Swamy BYVNR, Prasad BSH, Krishna KR, Babu AN, Brahmanandam PS. Polyimide-based flexible antenna for telemedicine and wireless applications. *Recent Adv Electr Electron Eng* 2023;16(4):426-35.
10. Dhandapani L, Shinde SB, Wadhwa L, Hariramakrishnan P, Padmaja SM, Devi Gurusamy M, Venkatarao MK, Razia S. A deep learning-based approach to optimize power systems with hybrid renewable energy sources. *Electr Power Comp Syst* 2023.
11. Naveen Kumar G, Naga Durga Rao G, Durga Prasad J, Avinash kumar K, Eswara Manikanta J. Hybrid polymer nano fillers on mechanical properties for current applications: An overview. *Mater Today Proc* 2023.
12. Battina NM, Chirala HK, Vanthala VSP, Javvadi EM, Nukathoti RS, Mohammed A. Experimental and finite element investigations on formability of friction stir welded tailor welded blanks of AA6061 and AA2017. *Mater Today Proc* 2023.
13. Reddy SS, Gadiraju M, Preethi NM, Rao VVRM. A novel approach for prediction of gestational diabetes based on clinical signs and risk factors. *Endor Trans Scalable Inf Syst* 2023;10(3).
14. Varma DR, Murali M, Krishna MV. Compact, robust and low-profile textile antennas for biomedical applications with upgraded bandwidth for integration of easy garment. *Mater Today Proc* 2023;80:1548-55.
15. Ramesh Varma D, Durga Saranya B, Pavani G, Venkata Subbarao M, Challa Ram G, Girish Kumar D. Design of fabric antennas for body protective garment applications and analysis on their performance. *Mater Today Proc* 2023;80:1538-47.
16. Sree, Pokkuluri Kiran ; Rao, G. Srinivasa ; Raju, P. Srinivasa Crowd Counting And Anomaly Detection From Cctv Footages Using Deep Learning Augmented With Cellular Automata, *Journal Of Theoretical And Applied Information Technology* , Volume 101, Issue 13, Pages 5275 - 5278 , 15 July 2023
17. Brahmanandam, P.S.; Uma, G.; Tarakeswara Rao, K.; Sreedevi, S.; S. M. P. Latha Devi, N.; Chu, Y.-H.; Das, J.; Mahesh Babu, K.; Narendra Babu, A.; Das, S.K.; et al. Doppler Sodar

- Measured Winds and Sea Breeze Intrusions over Gadanki (13.5° N, 79.2° E), India. Sustainability 2023, 15, 12167. <https://doi.org/10.3390/su151612167>
18. N. Jajam, N. P. Challa, K. S. L. Prasanna and C. H. V. S. Deepthi, "Arithmetic Optimization With Ensemble Deep Learning SBLSTM-RNN-IGSA Model for Customer Churn Prediction," in IEEE Access, vol. 11, pp. 93111-93128, 2023, doi: 10.1109/ACCESS.2023.3304669.
 19. Anil, K., Sivaprakasam, S. & Sridhar, P. Soil Loss Evaluation in Kaddam Watershed Using Geographical Information Systems and Remote Sensing Techniques. J. Inst. Eng. India Ser. A (2023). <https://doi.org/10.1007/s40030-023-00753-6>
 20. "Balaji, T., Kumar, P.R. Rao, M.V.G.,Appari, G.D., Creating The Best Directed Random Testing Method To Minimize Interactive Faultsempirical Perspective
 21. Journal of Theoretical and Applied Information Technologythis link is disabled, 2023, 101(7), pp. 2540–2546"
 22. Ram, G.C., Sambaiiah, P., Yuvaraj, S., Kartikeyan, M.V., Graphene based filter design using triangular patch resonator for THz applications (2023) Nano Communication Networks , 38, art. no. 100477, 2-s2.0-85173180595
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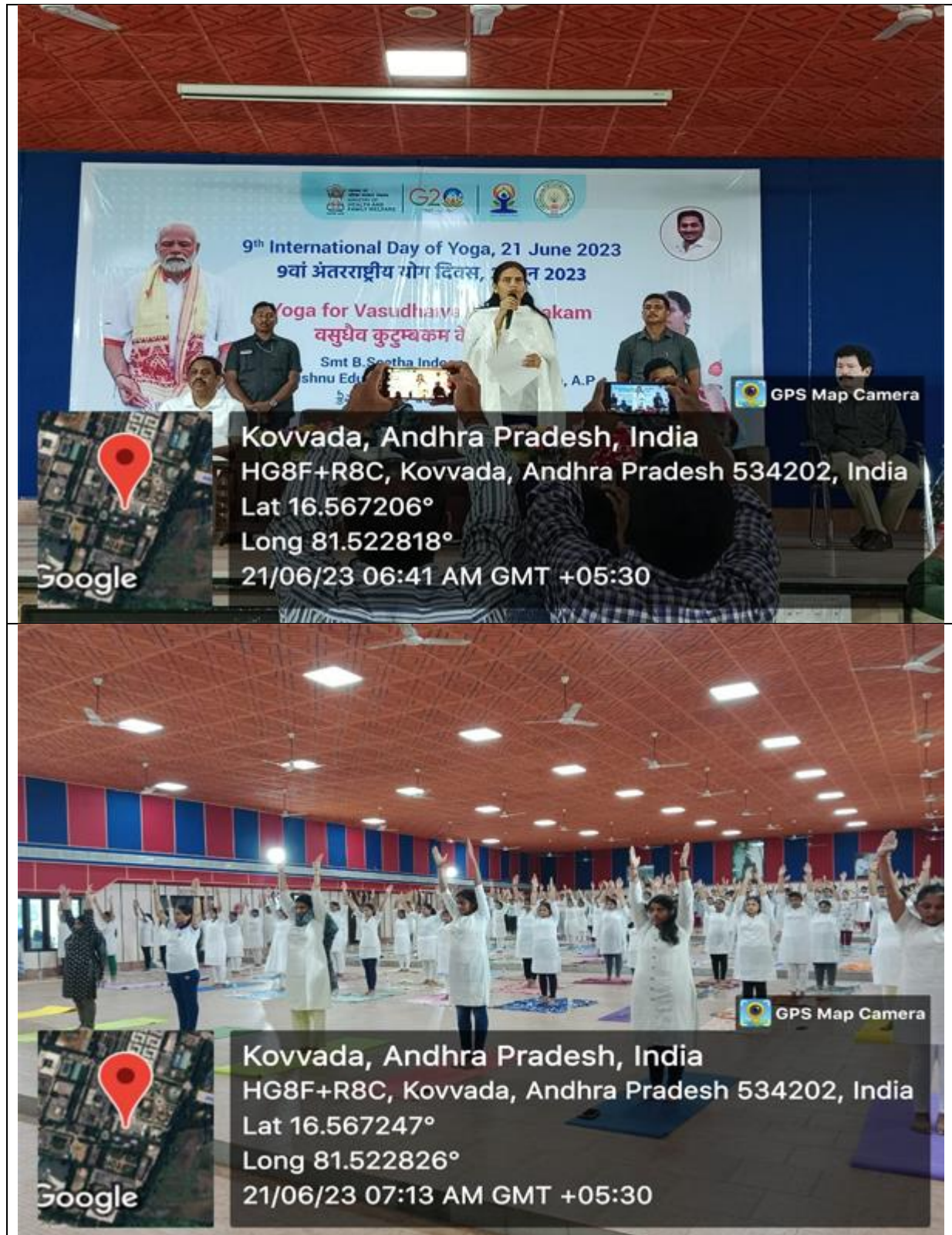
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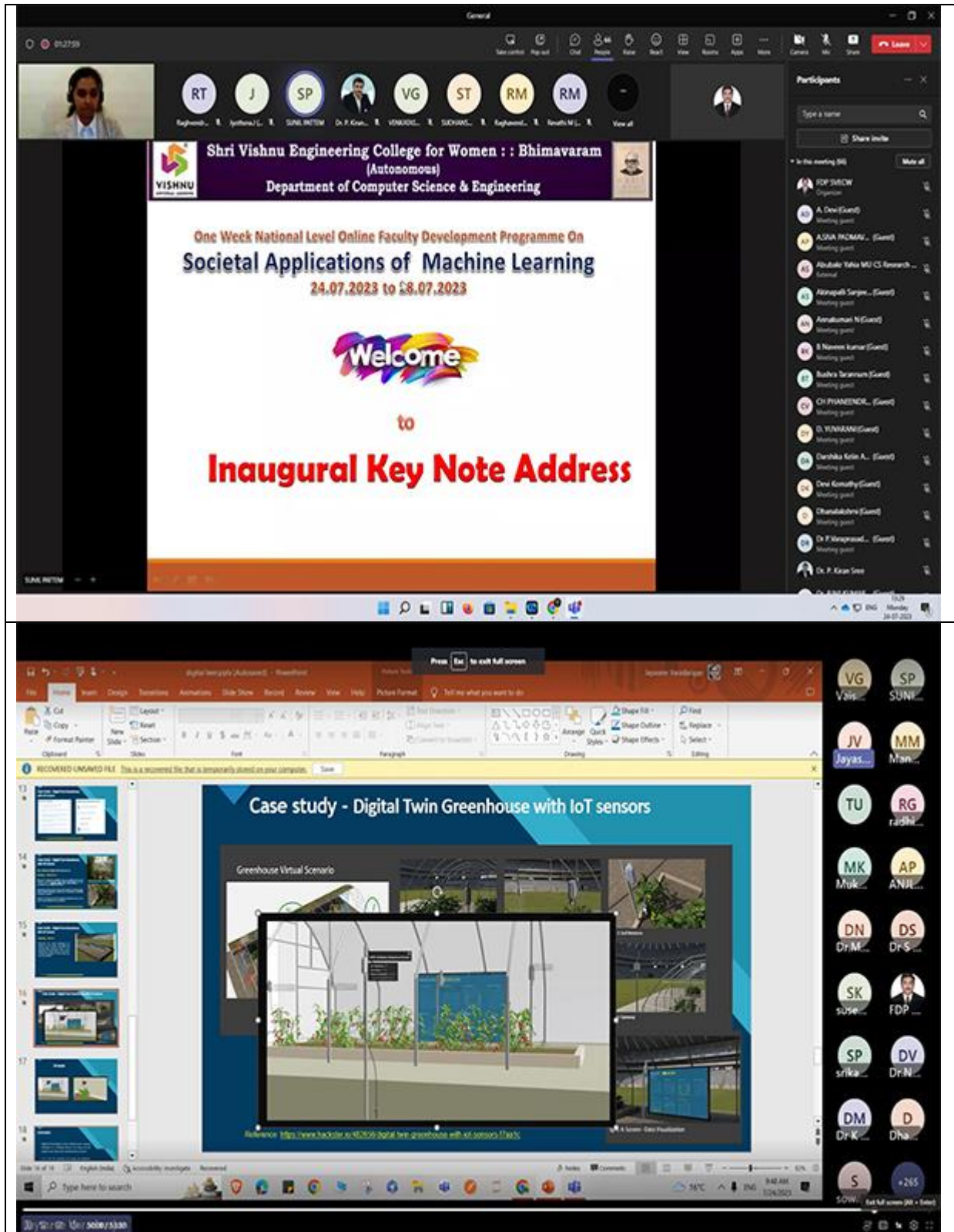
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Glimpses of Major Events

21 Jun 2023 :: Celebration of International Yoga Day 2023 @ SVECW



24 July 2023:: One Week National Level Online FDP on Societal Applications of Machine Learning @ CSE Dept.



2 Aug 2023 Celebrations of National Level Concrete Canoe Competition @ CE Dept.



5 Aug 2023 Webinar on “Women In Software Industry – Leaders for Sustainable Future”



Shri Vishnu Engineering College for Women : : Bhimavaram
(Autonomous)
Department of Computer Science & Engineering



A Webinar on

**WOMEN IN SOFTWARE INDUSTRY:
Leaders for a Sustainable Future**

by

DIVYA KUNAPARAJU

*COO Office, Circles.Life
Program Manager
Singapore.*

05 August 2023



Given me the tools to thrive and excel in global companies







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Divya Kunaparaju ...

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17 Sep 2023 6th Graduation Day VISHNOTAV 2K23 Celebrations.



7 Oct 2023 Freshers' Day Celebrations @ SVECW



30 Oct 2023 Workshop on Dive into Large language models, Transformers & Generative AI
@ Dept. of AI.



1 Nov 2023 24 Hours FAILATHON @ SVECW



22,23 Dec 2023 International Conference on “Recent Advances in Applied Sciences and Engineering” (ICRAAE-2023)



1Jan 2024 New Year Celebrations @ SVECW





25 Jan 2024 Celebrations of 14th National Voters' Day @ SVECW





16,17 Feb 2024 Two-Day Intensive program on Research Kick-Start by Dr. A Raju, Director (R&D), VEDIC

A TWO-DAY INTENSIVE PROGRAM ON RESEARCH KICK-START



SPEAKER

DR. RAJU AEDLA
DIRECTOR (R&D), SVES

16TH & 17TH
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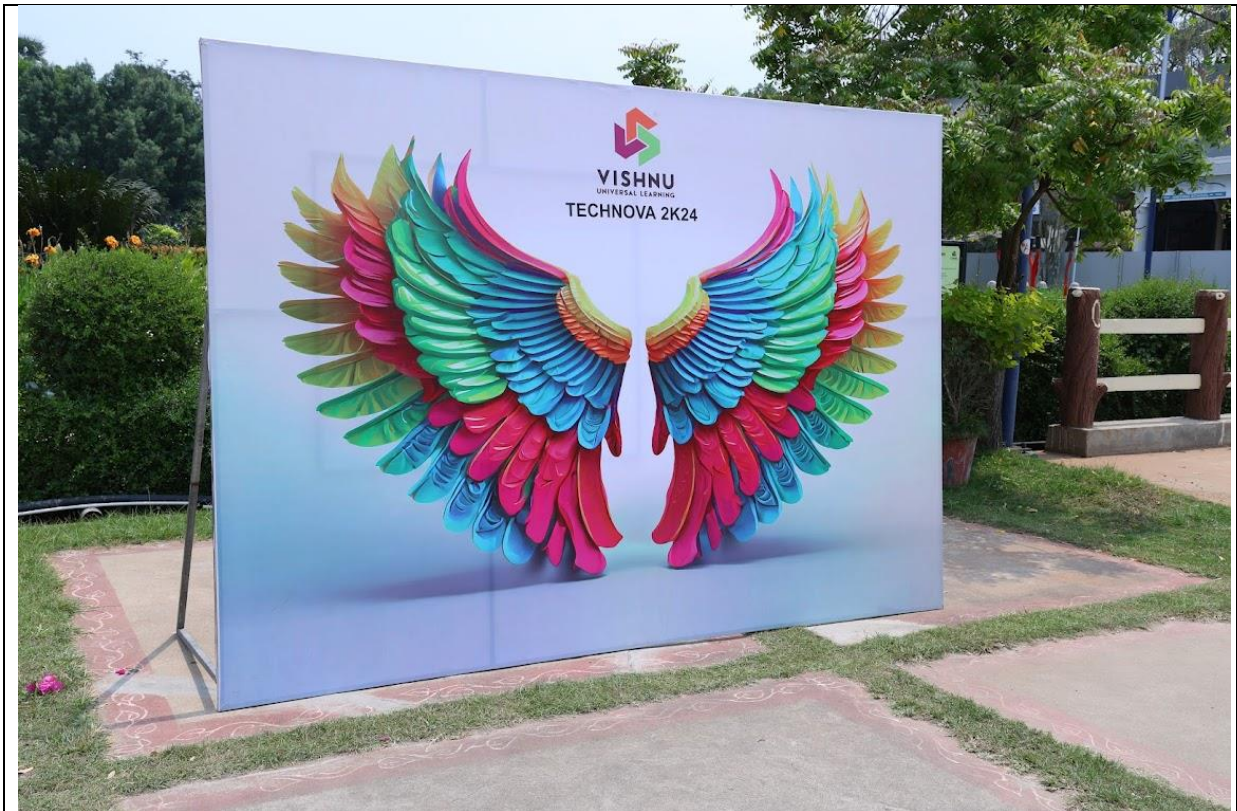
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11,12 Mar 2024 TECHNOVA



20 Mar 2024 MOU Signing Ceremony of CoE for Sustainable Construction Materials, In Collaboration with SVECW and Ultra Tech Cement.



22 Mar 2024 Technical Talk on “AI & Privacy” by Prof. Ponnurangam Kumaraguru (PK),
IIT Hyderabad



17 Apr 2024 Celebrations of “Sri Rama Navami” @ SVECW



21 May 2024 One Week Online FDP on “Entrepreneurial Perspectives on Green Energy and Electric Vehicle Innovation”

Entrepreneurial Perspectives on Green Energy and Electric Vehicle Innovation

51:37

Take control Pop out Chat People Raise React View Rooms Apps More Camera Mic Share Leave

sarathduv... MARTHAN... S M Padmaja Dileep Raghuvam... View all MS

Integration of Electric Vehicles into Distribution Network

P Bala Sai Kiran, GE Vernova

P Bala Sai Kiran (Guest) (Unverified)

Participants

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MS M V Srikanth Organizer

BV B Vijayalaxmi (Unverified)

BP BALAMURUGAN P... (Unverified)

DN Devi Naidu (Unverified)

DP Dhana Prasad (External)

D Dileep

DL Dr S Lakshmi (Unverified)

DV Dr. MORTHA SAI V... (Unverified)

DY Dr. Mukh Raj Yadav (Unverified)

D Dr.K.Rajesh (Unverified)

D Dr.S.Sivakumar (Unverified)

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sarathduv... sivakumar (Unverified) SOMASI ANANTHASAI (Unverified) MS

ACTIVE CELL BALANCING

50C 100% 0% CELL 1 CELL 2 CELL 3

CAPACITOR OR INDUCTOR DC-DC CONVERTER

PASSIVE CELL BALANCING

50C 100% 0% CELL 1 CELL 2 CELL 3

Passive cell balancing:

1. Simple and cost effective
2. Packs capacity is limited
3. More energy as heat
4. Additional cooling requirements

Active cell balancing:

1. SOC of pack is equal to individual cells
2. Controlled heat transfer
3. Complex and cost of additional electronics.

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MS M V Srikanth Organizer

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AK Ardhala Bala Krishna (Unverified)

BV B Vijayalaxmi (Unverified)

BS B.Naga Seshu (Unverified)

BP Badugu Praveena (External)

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