In 2024, Dr. Suresh D.S advanced education by opening the PDA Centre for Future Skills and speaking at the ISTE National Annual Faculty Convention. Appointed Advisor to ABRMS Karnataka, he emphasized academic excellence. He highlighted AI's potential as a chief guest at an AI/ML event and discussed international research collaborations with Ms. Carolyn Chong. His strategic meeting with Employability Life India aimed to enhance student employability and industry alignment.

ECE INSIGHTS
ECE DEPARTMENT
February - July 2024

DEPARTMENT HIGHLIGHTS

In 2024, CIT College's Electronics and Communication Engineering (ECE) department achieved notable milestones across academic, cultural, and sports domains. From winning the championship at the annual sports meet to participating in prestigious conferences and faculty development programs, ECE students showcased their excellence and versatility. Their active involvement in heritage walks, cultural events at JIT Bangalore, and academic achievements such as paper presentations and PhD awards underscored their holistic development and commitment to academic rigor.
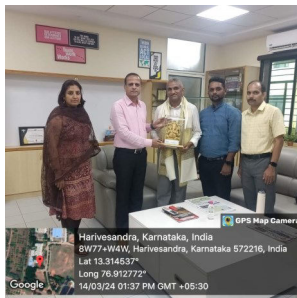

These accomplishments reflect ECE's dedication to nurturing well-rounded professionals equipped to excel in both their academic pursuits and extracurricular activities, contributing significantly to CIT's vibrant academic community.

ADVANCING EDUCATION AND COLLABORATION

In 2024, Dr. Suresh D.S made significant contributions to academia and education through various pivotal engagements. He was honored to grace the grand opening of the PDA Centre for Future Skills at PDA College, Kalaburagi, on 12th February 2024, underscoring his support for advancing skills aligned with future demands. Concurrently, he enriched the discourse at the 52nd ISTE National Annual Faculty Convention held at the same venue, sharing his expertise to elevate educational standards.

Recognizing his profound impact in education, Dr. Suresh D.S was appointed as an Advisor to the Karnataka section of the Akhil Bhartiya Rashtriya Shaikshik Mahasangh (ABRMS) on 24th February 2024 . This nomination reflects his dedication to enhancing educational practices and fostering academic excellence.

Further demonstrating his leadership, Dr. Suresh D.S served as the chief guest at an AI and ML event organized by the Department of Artificial Intelligence and Machine Learning in collaboration with ISTE on 8th April 2024. His insightful address highlighted the transformative potential of AI and ML in contemporary industries, emphasizing their role in shaping future technological landscapes.

In a thought-provoking interaction on 3rd June 2024, Dr. Suresh D.S engaged with Ms. Carolyn Chong, Deputy Vice-Chancellor of Federation University Australia, during an ISTE Karnataka Section event. Their discussion explored avenues for international research collaboration and the future directions of higher education, emphasizing shared visions for academic excellence.

Dr. Suresh D.S hosted a productive meeting with the Director of Employability Life India on 21st June 2024 . They strategized on establishing Future of Work Lab partnerships aimed at enhancing student employability and aligning educational curricula with industry demands, thus preparing students effectively for the evolving job market. These engagements highlight Dr. Suresh D.S's commitment to advancing education and fostering collaborations that shape the future of learning and workforce readiness.

FACULTY DEVELOPMENT PROGRAMS (FDPS)

In 24th -28th June 2024, Dr. Suresh D.S brought his expertise to the forefront as the chief guest at the New Horizon College of Engineering's Industry Intensive Faculty Skill Development Program. This five-day initiative aimed to bridge the gap between academic learning and industry requirements, emphasizing practical skills crucial for today's professionals.

Meanwhile, Dr. Thejaswini R continued her commitment to academic growth by submitting a Faculty Development Program proposal to VGST on 28th June 2024 , focusing on advancing knowledge in her field. She had previously immersed herself in an FDP on Pathological Speech Signal Processing at GMIT, Mandya on 13th to 15th May 2024, underscoring her dedication to cutting-edge research and education.

Additionally, Ms. Anushree T and Ms. Ranjitha C.E contributed to their professional development through focused learning experiences. Anushree T engaged in an online FDP exploring AI Tools for Teaching, enhancing her pedagogical skills in line with modern educational methodologies on 22nd June 2024. Meanwhile, Ranjitha C.E delved into the complexities of Advancing Power Grid Operations, participating in an online FDP that deepened her understanding of critical infrastructure management on 20th to 24th may 2024.
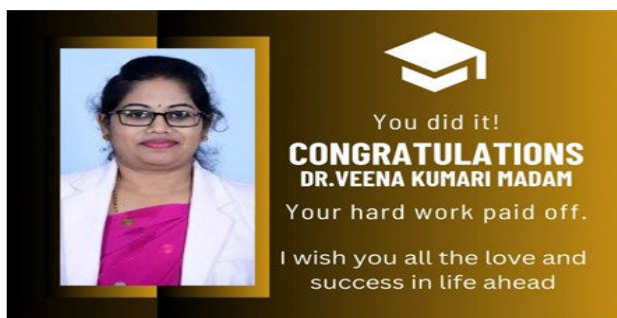
These endeavors not only highlight the commitment of CIT College's faculty to continuous learning and professional growth but also underscore their proactive approach to preparing students for the challenges and opportunities of the future.

Academic and Professional Contributions

Achievements

PhD Award: Dr. Veena Kumari H.M was awarded a PhD during the 23rd Annual Convocation Part-2 on 7th March 2024. This achievement marks a significant milestone in her academic career. Dr. Rajendra C.J was awarded a PhD during the 23rd Annual Convocation Part-2 on 7th March 2024, recognizing his academic achievements and contributions to his field.

Dr. Thejaswini R served as a reviewer for Elsevier's e-Prime: Advances in Electrical Engineering, Electronics, and Energy for 19th February 2024. This role underscores her expertise and contribution to the academic community.

Dr. Upendra Roy B.P received a certificate from the Narcotics Control Bureau (Ministry of Home Affairs) on 27th June 2024, for promoting the "Say Yes to Life, No to Drugs" campaign. This recognition highlights his efforts in advocating for a drug-free society and his commitment to social causes.

Event Judging by Mr. Maltesh Bajantri On 15th June 2024, served as a judge for "Brain Storm," an event organized by the EEE Department at CIT, Gubbi. His expertise and judgment were crucial in evaluating the innovative ideas presented by the participants.

Skill Lab Inauguration On 17th February 2024, Mr. Maltesh Bajantri, Mr. Harsha G, and Mr. Manohara T N inaugurated the 'Skill Lab' at CIT Public School. This initiative aims to enhance practical learning experiences for students, equipping them with essential skills for future career.

Workshops and Conferences

Dr. Thejaswini R participated in a one-week online workshop on Artificial Intelligence Applications in Autonomous Vehicles at BNMIT, Bangalore, from April 22th to 27th, 2024.

Reviewer for International Conference ICSSES-2024 at SIT, Tumkur from 5th to 11th April 2024.

Dr. Thejaswini R also participated in an AMD-Xilinx webinar on exploring Python development on PYNQ-Z2, organized by CoreEL Technologies Pvt. Ltd. and AMD-Xilinx on 25th April 2024.

Business Model Canvas Session On 15th May 2024, the Department of ECE Ideas Club, in association with the MHRD Institute Innovation Council, organized a session on the Business Model Canvas by Mr. Chethan Murthy. The session provided valuable insights into business planning and innovation, equipping students with essential entrepreneurial skills.

Internship Awareness Program On 19th June 2024, 6th sem students visited STPI Bangalore for an IoT internship awareness program and open labs. The visit provided students with exposure to cutting-edge technologies and internship opportunities in the field of IoT.

Publication details

A paper authored by Dr. Thejaswini R was published in the Scitepress digital library following an international conference in March 2024. This publication highlights her research and contributions to the field of electrical engineering.

Dr. Veena Kumari H.M presented a paper titled "Spark Guard: Igniting Innovation for Electrical Vehicle Safety and Wireless Power Solutions" at the International Conference ICIMS held at Sahyadri College of Engineering from June 7th to 8th June 2024

Her research presentation was well-received and contributed to discussions on innovative solutions for electrical vehicle safety.

Dr. Upendra Roy B P presented a paper titled "Residual Attention-Based Long Short-Term Memory for Anomaly Human Behaviour Detection" at the International Conference on Distributed Computing and Optimization Techniques, on 15th to 16th March 2024.

Dr. Upendra Roy B P presented his research on "An Emperor Penguin Colony Optimization for Optimal Allocation of Multiple Distributed Generators in Radial Distribution Networks" at the 2nd IEEE International Conference on Data Science and Information Systems - 2024. The conference, organized by the Department of Information Science and Engineering at Malnad College of Engineering, Hassan, took place from 17th to 18th May 2024.

Mr. Sreenivasa T.V On 3rd May 2024, published a paper titled "Design and Analysis of Four Port MIMO Antenna for n77 and MTI Wireless Edge 5G Applications" in AIP Conf. Proc. 2915, 020012 (2024). This publication demonstrates his contribution to advancements in wireless communication technologies.

Ranjitha C E published paper on " Smart Dustbin for Waste Management" International Conference of IEEE North Karnataka subsection in association with IEEE Bangalore Section on 2024.

Social Connectivity Activities

In February 2024, CIT organized a series of social connectivity activities for 3rd sem students: On 3rd February 2024, CIT College's 3rd-semester students immersed themselves in a heritage walk and crafts activity at Arasikere, Halebidu, and Shravanabelagolal.
This event deepened their understanding of local history, art, and culture through exploring ancient sites and participating in hands-on crafts workshops. It fostered a sense of pride in cultural heritage and encouraged community engagement in preservation efforts.

On 6th February 2024, 3rd-semester students from CIT College embarked on an enriching food walk adventure. This culinary exploration immersed students in the vibrant flavors and cultural richness of the local area .

They sampled a diverse array of dishes, engaging directly with local vendors to learn about the traditions and stories behind each delicacy.

The food walk not only satisfied their taste buds but also deepened their appreciation for the cultural significance of food in the community. It was an educational journey that broadened their understanding of local cuisine and its integral role in shaping cultural identity.

Plantation activity as a part of the social connects and responsibility from ECE department on 06th Jan 2024, location: Harivesandra, CIT College campus.

Cultural Success

The ECE Department proudly clinched the championship title in the highly anticipated FLAIR-2K24 event held on 31st June 2024. This remarkable achievement is a testament to the unwavering dedication, teamwork, and exceptional skills demonstrated by our students. Competing against numerous talented teams, our ECE students showcased their prowess and innovation, ultimately securing the top spot.

This victory not only highlights the department's commitment to excellence but also inspires a sense of pride and accomplishment within our academic community. Congratulations to all the participants and mentors who contributed to this outstanding success.
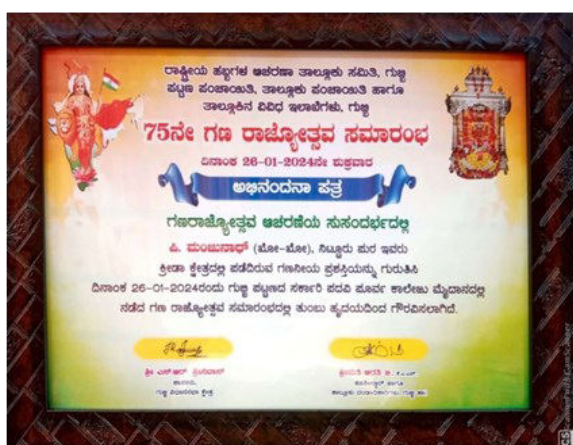

On 21st June 2024, 6th sem students form CIT Cultural Team students showcased their talents by participating in an event at JIT Bangalore.

Their performances were well-received, highlighting the vibrant cultural scene at CIT.

Sports Achievements

Athletic Meet: Dr. Rajendra C.J visited the 25th VTU Intercollegiate State Level Athletic Meet 2023-24, conducted by VTU at Chamundi Stadium, Mysuru, on 26th June 2024, and received a cash prize, acknowledging his support and encouragement for student-athletes. Notably, outstanding performers were recognized with a prestigious cash prize of 1 lakh.

In 2024, the Electronics and Communication Engineering (ECE) department of CIT College celebrated a significant triumph as ECE students secured the championship title.

This victory was achieved during the annual sports meet held from 29th to 30th April, where students from ECE demonstrated exceptional skill and teamwork in various flair events, showcasing their dedication to sportsmanship and competitive spirit. The win not only honored their athletic achievements but also fostered a sense of pride and unity within the department, underscoring ECE's commitment to holistic student development at CIT College, integrating academic excellence with physical well-being.

CIT Kho-Kho Men team secure Ist Place in State Level Kho-Kho Tournament held on 21st May 2024 at RVCE,

Student Achievements

On 5th July our ECE fourth-semester students have showcased their talent and academic excellence at recent competitions. Navyashree and Chaitra secured the Third Prize in the Poster Presentation competition held at Dayanand Sagar University, demonstrating their research skills and presentation acumen. Additionally, Swarna Latha M and Varshashree N R achieved First Place in the CHITRA SANKALPA event at Dayananda Sagar Academy of Technology and Management, highlighting their creativity and dedication to academic pursuits. These achievements reflect the commitment and capabilities of our students in representing CIT College with distinction in academic competitions.

4th semester ECE student secured 3rd prize in a Poster Presentation at Don Bosco Institute of Technology, Bangalore, on 9th May 2024, showcasing the department.

In addition to this achievement, CIT College celebrates the outstanding performance of its best outgoing students for the academic year 2023-24: Veena R from B Section and Divyalakshmi K from A Section. Amitha R from A Section is recognized as the Best Student in the Sports category, while Ashasvini C.S from B Section excels as the Best Student in the Cultural category. Yogeesh N from B Section shines as the Best Student in the Technical category, and Sanjay T.M and Smitha H.N from B Section are applauded for their contributions to the Ideas Club. These students have demonstrated exceptional dedication and talent in their respective fields, contributing significantly to the vibrant academic and cultural life at CIT College.

Our ECE fourth-semester students, Navyashree and Chaitra, proudly secured the Third Prize in the Poster Presentation competition held at Dayanand Sagar University on 5th July 2024. Their innovative ideas and exceptional presentation skills stood out among numerous participants, showcasing the talent and dedication of our students.
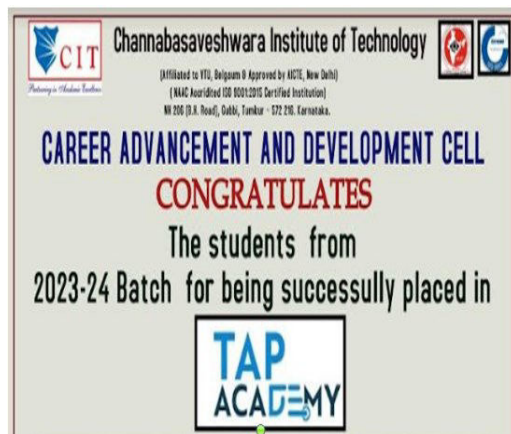
In another remarkable achievement, Swarna Latha M and Varshashree N R, also from the fourth semester, clinched the First Place in the CHITRA SANKALPA (Poster Presentation) event held at Dayananda Sagar Academy of Technology and Management on 5th July 2024. . Their outstanding performance and creativity brought great honor to our department.

Veena R for received a certificate as NPTEL Ethusiast and NPTEL Believer.

Congratulations to all the students for their hard work and success.

Further highlighting their success, Ms. Sanjana S secured a placement at ERICSSON, while Ms.Sindhu S Sharma joined ipMetrix, and Mr. Yogeesh N was placed at TECHNODYSIS. Ms. Smitha H.N and Ms. Vidhya M.N secured placements through the Career Advancement and Development Cell at TAP ACADEMY.

These placements underscore their proficiency and readiness for the industry, reflecting CIT's commitment to preparing students for successful careers.

Each of you has demonstrated outstanding achievements and contributed significantly to the academic and extracurricular excellence of our institution. Well done, and best wishes for your future endeavours.

IIC Activity

8th sem students Attended the Workshop on awareness about carrier opportunities in wireless/5G/telecom industry Speaker: Mr. Devadas pai (CEO-Nanocell Networks Bangalore) on 14th March 2024.

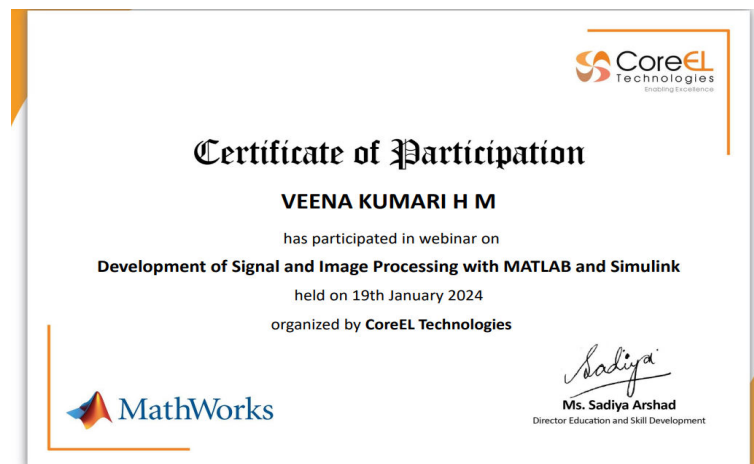**Mr. Nandan Jain R D** Organized the "session on Startup opportunities for Entrepreneurs in software development" on 30th May 2024 Goggle meet link: https://meet.google.com/dqz-njbv-pvt

Ideas club team visited the Jnanamallika –PM SHRI Govt. Higher primary school at ka-dashettihalli, Gubbi (tq) on 11th Jan 2024.

Dr. Veena Kumari H.M has participated in webinar on " Development of Signal and Image Processing with MATLAB and Simulink held on 19th Jan 2024

Prepared BY:

Dr Thejaswini R

Miss Gagana R

Miss Ranjitha C E