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## Editors Message

There is a saying “We need to be happy not because everything is perfect but we choose to focus on the perfect moments”

It gives me immense pleasure to extend my heartfelt congratulations to all our esteemed faculty members who have recently published their research papers in reputed journals and conferences. Your dedication to academic excellence and your relentless pursuit of knowledge continue to inspire students and colleagues alike.

I would also like to appreciate the efforts of all departments for successfully organizing a variety of activities, seminars, workshops, and industrial visits. These initiatives provide students with valuable exposure to real-world practices, bridge the gap between theory and application, and nurture the holistic growth of our learners. The energy, creativity, and teamwork displayed in planning and executing these events reflect the true spirit of our institution.

Furthermore, it is a matter of pride to acknowledge the individual and collective achievements of our faculty members—whether through awards, recognitions, or contributions to professional bodies. These accomplishments highlight the talent and commitment of our faculty and motivate all of us to aim higher in our academic and professional journeys.

As we celebrate these milestones, let us continue to foster a culture of innovation, collaboration, and excellence. Together, we are not only shaping the future of our students but also contributing meaningfully to society through education and research.

Congratulations once again to all, and may we keep reaching greater heights!  
Focus on FOCUS and be a part of it.

| **Dr. Vidyalakshmi K**, Chief Editor

## Publications and Conferences

- Dr. Kavyashree N**, Asst. Prof, Dept. of MCA presented a research paper entitled “Next -Gen Breast Cancer Predictim through Adaptive Deep Learning” in the 3<sup>rd</sup> InternationalConference on Electrical, Electronics, Information and Communication Technologies(ICEEICT 2025) held at K. Ramakrishnan College of Engineering, Trichirappalli, Tamilnadu, India during 15<sup>th</sup> – 16<sup>th</sup> April 2025.

- Dr. Jagadisha K R**, Asso. Prof, **Mrs. Likitha U N**, Asst. Prof, Dept. of EEE have published a paper entitled “Prediction of AC Breakdown Voltage of Different Electrode Configuration using Artificial Neural

Networks” at second International Conference on Advancements in Science, Technology and Management 2025 organized by Department of computer science, St. Xavier’s college of Management & Technology, Patna and global Conference Hub , Coimbatore, Tamil Nadu, India on 11<sup>th</sup>&12<sup>th</sup> April 2025.

- Mrs. Likitha U N**, Asst. Prof, Dept. of EEE have published a paper entitled “ V2V Communication For Enhanced Road Safety Using Zigbee” in IJCRT journal on 4<sup>th</sup> April 2025.

- Mrs. Sowmya K R**, Assistant professor of EEE department have published a paper entitled “ARDUINO

UNO AUTOMATED SUNSHADE STSTEM" in IJCRT journal on 23<sup>rd</sup> April 2025.

- **Dr. Sunil T D**, Asso. Prof., Dept. of ECE presented a paper entitled "Development of MOO3 and CU doped MOO3 Nanoparticles and its Computational Analysis for Lithium ION Battery as Anode Electrode Materials for Energy Storage Applications" at the International Journal of Electronics and Instrumentation Engineering (IJEIE) vol.3, Issue 1, January-June 2025, pp. 7-23,

- **Dr. Shyla M K**, Asso. Prof., Dept. of ECE presented a paper entitled "Design and Implementation of an Autonomous Multi-Purpose Robot for Restaurant Service" at the International Journal of Creative Research Thoughts, published in IJCRT, volume 13 issue 4, IJCRT25A4057, on 18<sup>th</sup> April 2025.

- **Dr. Suresh M**, A Prof., Dept. of ECE has presented a paper titled "Machine Learning based Path loss Prediction Model for Wireless Sensor Networks in Urban Environments" at the International Conference on Computing for Sustainability and Intelligent Future (COMP SIF 2025) organized by BMS Institute of Technology and Management, Bengaluru from 21<sup>st</sup> to 22<sup>nd</sup> March 2025.

- **Dr. Suresh M**, Prof., Dept. of ECE has presented a paper titled "Machine Learning Resource Constrained Embedded Systems: A Review of FPGA Implementation and End Device Optimization Strategies" at SSAHE-Journal of Interdisciplinary Research, Vol. 5, Issue 2, 2024.

- **Dr .C D Guruprakash**, Professor, has Published a paper entitled "Secure Data Transmission using Cryptographic and Stenographic Technique" at the International Conference on Engineering and Technology(I-CET)-2025 in association with I manager publication held from 3<sup>rd</sup> April to 4<sup>th</sup> April 2025.

- **Dr.Babitha M N**, Assoc. Professor, has published a book chapter entitled "Cyber security Framework for protecting connected vehicles in Intelligent Transport Systems" in IGI Global Scientific Publishing with DOI:10.4018/979-8-3693-7984-4.ch013.

- **Mrs. Prathibha S B**, Asst. Prof., has published a book chapter entitled "Smart Farming: Unleashing the Potential of Artificial Intelligence in Agri Business" in Genic Books with ISBN:978-81-985786-5-5,1 ST Edition 2025.

- **Dr. Akshay J**, Asst. Prof., Dept of Civil Engineering published a Chapter entitled "Life-Cycle Cost Analysis of Thin and Ultra-Thin White-Topping Roads" in

a book entitled "Climate Resilient Construction and Building Materials" published by Cambridge Scholars Publishing Lady Stephenson Library, Newcastle upon Tyne, NE6 2PA, UK bearing ISBN: 978-1-0364-4156-2, ISBN (Ebook): 978-1-0364-4157-9 in the month of April.

- **Mr. Rakesh M.**, Asst Prof., Dept of Civil Engg., has presented a Paper on "Removal of Dyes From Synthetic Effluent using Acid Activated Parthenium Carbon" in International Conference ICGCP-2025 Organized by Sapthagiri College of Engineering on 16<sup>th</sup> - 18<sup>th</sup> April 2025.

- **Mr.Manohar R Gombi**, Asst.Prof., and Dr.. S H Venkatesh, Asso. Prof., Dept of Mathematics published a paper on "Repercussions of nanofluid flow and internal heat generation radiation on a spiral porous fin with variable thermal conductivity" in the Journal "Partial Differential Equation in Applied Mathematics" (Elsevier), Volume: 14, Page no: 101211 in April 2025.

- **Mrs. Bhoomika P**, Asst. Prof., has presented a paper entitled "Removal of Die From Synthetic Effluent Using Acid Activated Parthenium Carbon-Batch Studies "in ICGCP-2025 Organized by Sapthagiri Institute of Technology during 16<sup>th</sup>-18<sup>th</sup> April 2025.

- **Dr. Manjunath C.**, Asso, Prof., Department of Physics, published a research paper titled "Spectroscopic Studies of Red emitting ZrO 2 : Eu 3+ Nanophosphors using Judd-Ofelt Theory for Lighting Applications" in Journal of Fluorescence, Springer, April 2025.

- **Dr. Chethan B. S.**, Asst. Prof., Department of Physics, published a research paper titled "Orange to green light emission by novel ionic compound" in Journal of Molecular Structure, 1339 and "Synthesis, Structural analysis and Computational studies of two novel coumarin derivatives: An in-silico evaluation of snake venom inhibition properties" in Journal of Molecular Structure, Elsevier Elsevier, April 2025.

## Faculty Achievements

- **Dr. Kavyashree N**, Asst. Prof, Dept. of MCA presented a research paper entitled "Next -Gen Breast Cancer Predictim through Adaptive Deep Learning" in the 3rd International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT 2025) held at K. Ramakrishnan College of Engineering, Trichirappalli, Tamilnadu, India during 15 - 16 April 2025.

- **Mrs. Shaheena Khanum, Mrs. Likitha U N**, Asst. Prof., Dept. of EEE has successfully participated in the “Generative AI & ChatGPT API Usage- Build AI Powered Apps” organized by ECLearnix EdTech Private Limited, Coimbatore, Tamil Nadu, India in on 5th April 2025.

- **Dr. Yogananda B S**, Asso. Prof., Dept. of EEE has recognized as a judge at ARDUINOTHON-2.0 organized by department of Electronics and Telecommunication Engineering in collaboration with Sri Siddhartha Innovations on 23 rd April 2025.



**Dr. Yogananda B S**, Asso. Prof., Dept. of EEE has delivered a lecture on his thesis entitled “Design, Simulation and Analysis of Power Filters for Harmonic and Reactive Power Compensation to Improve Power Quality and Reliability of Power Systems” on 25th April 2025 at Dr. G P Nexus Auditorium, SSIT, Tumkur.

- **Dr Srinidhi G A**, Asso. Prof., Dept. of CSE(CY) has applied UK design patent with title “AI BASED NETWORK INTRUSION DETECTION DEVICE”.

- **Dr Srinidhi G A**, Asso. Prof., Dept. of CSE(CY) was one of the Reviewer at SIT for “International conference on Smart Systems for Applications in Electrical Sciences”.

- **Dr Srinidhi G A**, Asso. Prof., Dept. of CSE(CY) attended as Reviewer at NMIT, Bangalore for “Second International Conference on Emerging Research in Computing Information Communication AI & ML”.

- **Dr. Vidayalakshmi K**, Asso. Prof., Dept. of CSE(DS) successfully completed NPTEL Online Course on Soft skill Development during Jan-March 2025 and was the topper.

- **Dr. Renukalatha S**, Prof. and Head, Dept. of CSE, **Mrs. Prathibha S B**, Asst. Prof., **Dr. Raviram**, Prof., **Dr. Babitha M N**, Asso. Prof., Department of CSE have submitted Project proposals to VANI.

- **Mr. T S Bharath**, Asst. Prof., was Judge in “Poster Presentation Competition” Organized by “Elevate U” club, Dept. of AIML on 26<sup>th</sup> April 2025.

- **Dr. Gopala T**, Assoc. Prof., was a Reviewer at the International Conference on Data Science and Exploration in Artificial Intelligence, CODE AI 2025, Organized by Manipal University, Bengaluru during 7th and 8th April 2025.

- **Mrs. Madhumala G**, Asst. Prof., Dept. of CSE, successfully completed the course “Programming Fundamentals Using Python-Part1 and Part2” in Infosys Spring Board on April 15<sup>th</sup>, 2025

- **Dr. Chidananda Murthy M V** served as REVIEWER for International Conference on Smart Systems for Applications in Electrical Sciences - 2025 held at SIT, Tumakuru on 21<sup>st</sup> and 22<sup>nd</sup> March 2025.

- **Dr. Y G Praveen Kumar** served as reviewer for IEEE Benaguru Humanitarian Technology Conference (BHTC)-2025 organized by IEEE Bengaluru Section in collaboration with IEEE NKSS hosted at KLS GIT, Belagavi held on 25th April-2025

- **Dr. Akshay J** Asst Prof., Dept. of Civil Engg., has been recognized as a Active Review Member in “Journal of Emerging Technology and Innovative Research” (An International Peer Reviewed Journal) bearing ISSN : 2349 - 5162 holding Member ID – 224967 in the month of April 2025.



**Dr. Akshay J** Asst Prof., Dept. of Civil Engg., has Chaired a session and evaluated presentations of Research Scholars at “International Conference on Global Convergence in Technology, Entrepreneurship, Computing and Value Engineering: Principles and Practices” (ICGCP - 2025) held in Sapthagiri College of Engineering, Bengaluru on 16<sup>th</sup> April 2025.

## Student Achievements

**Ms. Manushree P, Mr. Hitaishi G M and Mr. Preetam S**, 8 th semester Dept. of EEE have got selected as Intern and employee (later) for M/s Balaji Electro Controls Pvt. Ltd., Bangalore.



**Mr. Venkatesh Joshi and Ms. Thanushree**, fourth semester students, Dept. of EEE have received a cheque of 1000/- each for their contribution towards one project undergoing in USA on 9<sup>th</sup> April 2025.



**Ms. Madhushree, Ms. Chaithra, Mr. Madhusudhan C B and Mr. Arun C**, 8 th semester students of Dept. of EEE have participated and bagged 2 nd Place in the project exhibition IEEE CODEATHON organized by Study World College of Engineering, Coimbatore under the Guidance of Ms. Priyanka N M on 25<sup>th</sup> April 2025.



**Mr. Yashwanth Y M, Mr. Madhu D S and Mr. Manish Kumar D N**, 6th semester students of EEE department have participated and bagged a 1st Place in the project exhibition IEEE CODEATHON organized by Study World College of Engineering, Coimbatore under the Guidance of Mrs. Shaheena Khanum on 25<sup>th</sup> April 2025.

- **Pankaj Gowda(23CR029), Pavan D(23CR031), Varun M N(23CR058), Vinayak S Bakri(23CR0598)** 4th Sem students got first prize in the Hobby Project event KNEW-2025 National level Technical Symposium at CIT, Gubbi in April 2025.

- **Prem Ranjith Verma K(23CR034)** 4th Sem student has participated in MINDSPARK in Ignite 2025 organized by team IEEE Photonics and ComSoc Joint Chapter at SIT, Tumkur on 12 th April 2025.

- **Disha(23CR005), Lakshmi(23CR017), Prem Ranjith Verma K(23CR034), Rakshith Gowda G(23CR040)** 4th Sem students participated at National level project exhibition held at BGSIT in April 2025.

- **Ganapathi M Hegde, Chethan M Badni, Saifulla D Nadaf** Final year students, Dept. of ECE, under the guidance of Dr. Komala K has actively participated and got THIRD Place in the NationalLevel IEEE Codeathon organised by IEEE Student Branch (STB60209305) on the topic "Smart Tech for a Sustainable Planet: Bridging Innovation and Responsibility" conducted at Study World College of Engineering, Coimbatore, on 25th - 26th April 2025

- **Ganesh and team**, Second year students, Dept. of ECE has actively participated and got First place in Arduinothan 2.0 organised by Department of Electronics and Telecommunication, SSIT in April 2025.

- A paper titled "Smart Automated Bed for Bed-sore Prevention" ID: KNEW25PP03, by Keerthana H [22ML010] of 6<sup>th</sup> semester Biomedical Engineering was presented in the conference "National Level Technical Symposium" held on 25<sup>th</sup> April 2025, organized by CIT, Gubbi.



Second year students Ganesh, Abhishek B, Krishnamurthi, Lingaraj, Narasimha Swamy, T G, Sharath chandra P N, Shravanth R, Shivanagoudbiradar, Dept. of ECE, under the guidance of Dr. Komala K has actively participated and got SECOND place in IEEE project Expo organised by Navkis college of engineering, Hasan in April 2025.

## Faculty Participation

• **Mrs Ayesha Azeeda**, Asst. Prof., Dept. of CSE(CY) attended Faculty Development Program Training On “Innovative Teaching and Learning Pedagogy” Organised by Research Foundation of India and RFI-CARE, on 15<sup>th</sup> to 21<sup>st</sup> April 2025,

• **Mrs. Hema H. and Mrs. Kavya N**, Asst. Profs., Department of Civil Engg., have participated in the webinar on “Water treatment and beyond: Engineering for safe and clean water” organised by Department of civil engineering, school of engineering,

• Presidency University, Bengaluru as a part of World Water Day observance on 1<sup>st</sup> April 2025

• **Mr. Rakesh M**, Asst Prof., Dept of Civil Engg., has participated in the Workshop Organized by Centre for Incubation, Innovation, Research and Consultancy (CIIRC) Jyothy Institute of Technology, Bangalore on “Hands on training in SEM and FTIR” on 25<sup>th</sup> April 2025.

• **Ms.Navyashree R, and Mrs. Shamsiya Parveen**, Asst. Prof., Dept. of CSE(DS), Mrs. Hamsalekha N P, Asst. Prof., Dept. of ECE attended 3 days Faculty Short Term Training Program on “IOT lab with Arduinio and Raspberry Pi”, organized by Dept. of CSE during 8<sup>th</sup> to 10<sup>th</sup> April 2025.

• **Dr. Sumana L**, Asso.Prof., Dept. of ETC, Mrs. Swarnamba S, Mrs.Shruthi A B, Mrs. Lavanya K Asst. Profs., Dept. of ETC attended Refresher course on “Emerging semiconductor Industry Trends” in association with silicon microsystems organized by department of ECE SSIT Tumkur from 16<sup>th</sup> to 17<sup>th</sup> April

• **Dr. Sumana L**, Asso.Prof., Dept. of ETC, Mrs. Shruthi A B, Mrs. Lavanya K, Asst. Profs., Dept. of ETC attended FDP on “Generative AI and Prompt Engineering” by EXCELR from 21<sup>st</sup> April to 25<sup>th</sup> April 2025.

• **Mrs. Maanasa M R**, Asst. Prof., Dept. of ECE participated in one day online faculty development program on “Reinforcement Learning” organized by Department of bachelor Computer Applications, International School of Business & Research, Bengaluru in association with Book Bytes International on 6<sup>th</sup> April 2025.

• **Dr. M. Nagaraja**, Professor, Department of Physics, attended a Four-Day FDP on “Quantum Technologies and their Emerging Applications”, organized by Department of Electrical and Electronics Department. Nitte Meenakshi Institute of Technology (NMIT) Bengaluru and sponsored by VGST, Gov. of Karnataka on April 7<sup>th</sup>-10<sup>th</sup>, 2025.

• All the faculty members from the department of Biomedical Engineering attended two days “Refresher Course on Emerging Semiconductor Industries Trends.” Organized by the Department of Electronics and Communication Engineering, SSIT on 16<sup>th</sup> and 17<sup>th</sup> of April 2025.

## Student Participation

• Mr. Tousif Pasha T A, Mr. Tarun G, Mr. Ankith R and Mr. B R Darshan have participated in INCEPTRA-25 a project exhibition organized by Bangalore Institute of Technology, Bangalore on 22<sup>nd</sup> April 2025.



**Mr. H R Deepak, Mr. Mahesh M M, Mr. N R Chethan and Mr. Lokesh R**, 6<sup>th</sup> semester students Dept. of EEE have participated in EMERGE 2025, a state level technical symposium organised by Jain institute of Technology, Davangere and ended up under the category top 10 on 24<sup>th</sup> April 2025.



Mr. G Praveen kumara, Mr. Gurusiddesh H S, Mr. Hemanth V and Ms. K Samreen Banu, 8<sup>th</sup> semester students Dept. of EEE have participated in the project exhibition IEEE CODEATHON organized by Study World College of Engineering, Coimbatore under the Guidance of Mrs. Shaheena Khanum on 25<sup>th</sup> April 2025.



Ms. Sreeraksha R, Ms. Umme Sumiya, Ms. Syeda Souda and Ms. Shreya Dayanand Havaldarmath, 8<sup>th</sup> semester students Dept. of EEE have participated in the project exhibition IEEE CODEATHON organized by Study World College of Engineering, Coimbatore under the Guidance of Mrs. Shaheena Khanum on 25<sup>th</sup> April 2025.



Final year (8<sup>th</sup> semester) students from the Dept. of Civil Engineering participated in the National Techno-Exhibition held at Dr. Ambedkar Institute of Technology, Bengaluru, on 13<sup>th</sup> April 2025. The students showcased their innovative projects under the guidance of Dr. Usha S. Assoc. Prof., Dept of Civil Engg., Their active involvement and enthusiasm were appreciated by the organizers and visitors.



4<sup>th</sup> semester students from the Civil Engineering Department participated in the Hobby Project competition held at Channabasaveshwara Institute of Technology, Tumkur, on 25<sup>th</sup> and 26<sup>th</sup> April 2025, as part of the K-New Tech Fusion Forum 2025, under the guidance of Dr. Usha S, Assoc. Prof., Dept of Civil Engg., the students won 1<sup>st</sup> prize for their innovative project. Congratulations to the team on this remarkable achievement.

- Eight students from 4<sup>th</sup> semester, Dept. of BME, participated in "Aurdinothon 2.0", organized by the Department of ETE, SSIT, Tumkur on 23<sup>rd</sup> April 2025.

- 15 students from 6<sup>th</sup> semester, Dept. of BME, participated in "IGNITEX" 24 hours National Level Hackathon - 2025 organized by BGS Institute of Technology, BG Nagara, Nagamangala Taluk, Mandya, on 29<sup>th</sup> – 30<sup>th</sup> April 2025.

## Department Activities

- Department of CSE in association with Excel R Organized value added course for 6<sup>th</sup> semester students on "Project Excellence" from 7:00 pm -9:00pm in online mode from 15<sup>th</sup> -30<sup>th</sup> April 2025

- Department of CSE Organized 3 days STTP on "IOT Lab with Arduino and Rasperr Pi" in association with ALS solutions, Bangalore Coordinated by Prof. Swarnalatha G L and Prof. Sharath Babu C G, from 8<sup>th</sup> -10<sup>th</sup> April 2025

- Department of CSE Organized Intent Club Activity on "Workshop on JavaScript" and "Workshop on html & CSS-II" for 4<sup>th</sup> semester students Co-ordinated by Mr.. T S Bharath on 18<sup>th</sup> April 2025.

- Department of CSE in association with Crane Varsity Organized 30 hrs value added course for 4<sup>th</sup> semester students on "Placement Prep with C:Code your way to success" from Co-ordinated by Prof. Veena N.D & Prof. SreeBargavi M during 24<sup>th</sup> -25<sup>th</sup> April 2025.

- Department of CSE Organized Intent Club Activity on “Clean Coding” been delivered by Shahinsha Ahamed(Alumni 2016 batch),Senior Software Developer ,XCD HR PVT Ltd for 4th semester students Co-ordinated by Prof. T S Bharath on 24th April 2025
- The Department of EEE have organized a technical talk on “Importance of Industry Specified Courses” on 24th April 2025.



Department of CSE (CY) Organized educational visit to Master Control Facility (MCF)-ISRO, Hassan on 17th April 2025



Department of CSE (CY) Organized “THE KILN-Shaping the future engineers” Series of lectures by the alumni of SSIT, First lecture in the topic “Cyber Security Professional: Prep guide” by Er. Pallavi Katterpura Laxminarayanan, Cyber security engineer, Bauer media group, Hamburg, Germany on 19th April 2025.



A two days Refresher Course on “Emerging Semiconductor Industry Trends” in association with Silicon Microsystems and Indian Electronics and semiconductor Association (IESA), organized by Dept. of ECE from 16th to 17th April 2025.



Department of CSE(Data Science) organized an One Day Educational Visit to Art of Living, SSRDP-AoL, Bangalore for the students of 4th Sem CSE(DS) on 18th April 2025. (Co-ordinator: Dr. Vidyalakshmi K ).



Dept. of Civil Engineering has organized a World Earth Day-2025 and Dr. Lakshmi C, Prof, Dept. of Civil Engg., SJBIT Bangalore was the chief guest and keynote speaker of the event on 22nd April 2025.



Dept. of Civil Engineering has organized an industrial visit for Second and fourth semester students to an RMC (Ready-Mix Concrete) plant, accompanied by Dr. Usha S Assoc Prof., Mrs. Supriya C B. Asst Prof., Dr. Sowjanya G V, Assoc Prof and Mr. Guruprasad T N., Asst Prof. of the Department on 23rd April 2025



Department of Physics, SSIT, organized an invited guest talk on “Overview of the Indian Space Program”. The resource person was Shri H. D. Ananda, Former Group Director, SPROC Systems, Master Control Facility, ISRO, Hassan on 3<sup>rd</sup> April 2025 (Convener: Dr. M. S. Rudresha; Coordinators: Dr. M. Nagaraja and Dr. Sushma Prashanth)

## College Events

- As per the protocol of IQAC, SSIT the Academic and Administrative Audit (AAA) for the academic year 2023-24 was conducted by all the Departments in the month of April and the report was sent to IQAC.

- As per the office orders Dr. Renukalatha S, Dean (Aca) was given the responsibility of Head of the Dept. of CSE(CY), Dr. Raviram V, Professor, Dept. of CSE was given the responsibility of Head of the Dept. of CSE, Dr. Manu S, Associate Professor, Dept. of ME was given the responsibility of Head (incharge) of the Dept. of Robotics and Artificial Intelligence, Dr. Guruprasad S, Associate Professor, Dept. of BME was given the responsibility of Associate Dean (Aca), Dr. Usha Associate Professor, Dept. of Civil Engg., was given the responsibility to assist Examination and Dr. Vidyalakshmi K, Associate Professor, Dept. of CSE(DS) was given the responsibility co-ordinator for Online Degree Programs-SSAHE.

## Placement News

During the month of April 2025, two successful recruitment drives were completed. Kodnest and Bosch conducted their drives and selected 2 students each, resulting in a total of 4 students placed for the month. Several recruitment processes are currently ongoing, with registration links shared with students for companies including Accord212 HR Solutions Pvt Ltd, REVATURE, TCS, Hitachi, WebTec, Panacea Medical Technologies Pvt. Ltd, ProDhee Technologies Pvt Ltd (Internship), Hashedin, and TOT FD Pvt Ltd. In addition to recruitments, key placement activities were organized in April.

Representatives from SCII Company visited the campus, and a meeting was held on 09-Apr-2025 at the conference hall. Kodnest's online drive was also conducted during the month.

Furthermore, Face Prep facilitated a LinkedIn Premium account subscription session for students on 24th and 25th April 2025, enhancing their professional networking and job search capabilities.

The Bosch drive was also held this month, contributing to the placement count. Overall, April was productive in terms of student placements and preparatory initiatives aimed at boosting future employment opportunities.

## Sports

- Various sport like badminton, running etc were conducted to the faculty of all Department as there was a sports meet to be conducted in the month of June. Many faculty participated and won prizes in various events.



## May Notifications

- Kalothsava to be celebrated on 23<sup>rd</sup> and 24<sup>th</sup> May
- Technodea to be organised on 30<sup>th</sup> and 31<sup>st</sup> May
- Lecture series on Emerging Research Topics to be conducted
- Sports meet ( Faculty)

## Person of the month

# Sachin Ramesh Tendulkar

24<sup>th</sup> April

### Early Life

**S**achin Tendulkar was born to Ramesh Tendulkar, a renowned Marathi novelist, and Rajni Tendulkar in Mumbai, Maharashtra, India. He showed an interest in cricket from a very young age. His elder brother Ajit Tendulkar recognized his talent and introduced him to coach Ramakant Achrekar, under whom Sachin's skills flourished at Shivaji Park, Mumbai. By his teenage years, Tendulkar was already setting records in school cricket tournaments, famously scoring a 664-run partnership with Vinod Kambli in 1988.

### Cricket Career

- International Debut: At age 16, Sachin debuted for India against Pakistan in Karachi (1989).
- Test & ODI Career: Played from 1989 to 2013, representing India in 200 Tests and 463 ODIs.
- Batting Records:
  - o Scored 100 international centuries (51 in Tests, 49 in ODIs) – a world record.
  - o First cricketer to score a double century in ODI cricket (200\* vs South Africa, 2010).
  - o Amassed over 34,000 runs in international cricket, the highest by any player.
- Captaincy: Briefly captained India in the 1990s, though his greatest success came as a senior batsman and mentor.
- World Cup Glory: His career highlight was winning the 2011 ICC Cricket World Cup, fulfilling a lifelong dream.

### Style & Legacy

Sachin Tendulkar was revered for his technical brilliance, composure, and adaptability across formats. His straight drive is considered one of the most beautiful shots in cricket history. Beyond numbers, Tendulkar was a unifying figure for India, carrying the hopes of millions each time he stepped onto the field.

### Retirement & Beyond

- Retired: November 2013, after his 200th Test at Wankhede Stadium, Mumbai.

### Honors:

- o Bharat Ratna (2014): Youngest recipient of India's highest civilian award.
- o Padma Vibhushan (2008), Padma Shri (1999) among many others.
- o Voted as the Greatest ODI Player of all time by ESPNcricinfo users.

### Post-Cricket Work:

Engaged in philanthropy (education, health, child welfare), sports promotion, and social causes.

He also mentors the Mumbai Indians in the Indian Premier League (IPL).



## Quote of the month



**“People throw stones at you and you convert them into milestones.”**

**| Sachin Tendulkar**



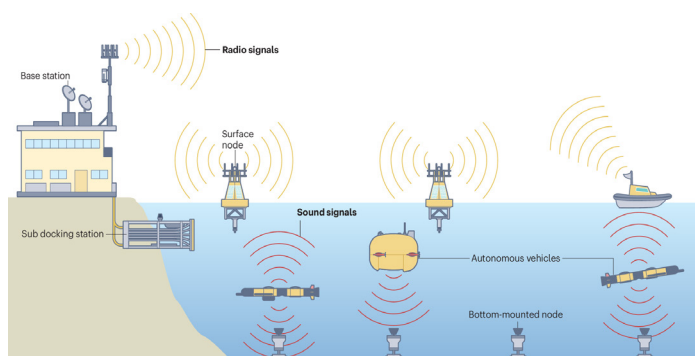
## Technical Article

# Overview of a recent developments in Under-water Acoustic Communication research

Earlier this year, researchers unveiled a ground-breaking approach to enriching underwater acoustic communication. Traditionally, acoustic signals in water have relied solely on pressure waves to transmit information—this single-channel mode imposes strict limits on data throughput. However, a novel study published introduced a compelling leap forward: multiplexing the vector velocity components of acoustic waves as independent information channels arXiv.

In this approach, rather than using only pressure, the three velocity components of acoustic waves—essentially, their motion vectors—are treated as separate, orthogonal channels. By capturing and demodulating these components with a single vector sensor, researchers achieved reliable, high-capacity, real-time data transmission in underwater environments arXiv.

This method effectively expands the communication “bandwidth” by adding a new dimension to acoustic signaling, supplementing traditional variables such as frequency and phase with spatial velocity data. Simulations and experimental validation underscore its potential to significantly upgrade data rates in under-



water networks—ranging from environmental monitoring and ocean exploration to military communications and undersea sensor arrays.

By tapping into the underutilized degrees of freedom in acoustic propagation, this innovation promises to pave the way for next-generation underwater communication systems, offering enhanced efficiency, capacity, and responsiveness.



**Dr. Vidyalakshmi K**  
 Associate Professor  
 Dept. of CSE(DS)



# SRI SIDDHARTHA

## CENTRE FOR MEDIA STUDIES

SSIT Campus, Tumkur

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- Yoga Prayoga
- Amrutha Bindu
- Tumkur Pradakshine
- Sadvichara
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- Sunday Special
- English Time
- Geetha Vaibhava
- Job Opportunities

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**Director : 9740693477**

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