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Editors Message

There is a saying that “A college is not just about buildings and books; it is about the people who carry its legacy forward”

It brings me immense joy to connect with you through this edition of our college newsletter. As we celebrate the spirit of togetherness, creativity, and achievement, we reflect on the milestones that make our institution a hub of excellence and inspiration.

The Alumni Meet was a heartfelt reunion, bringing together past and present students to share experiences, achievements, and aspirations. which was truly inspiring to witness the strong bonds .

We also take pride in hosting the Drawing Competition in memory of Sri Gangadaraiah, an event that honored his legacy and encouraged young artists to express their creativity.

Additionally, our sports events showcased the dedication, teamwork, and perseverance of our students. Their competitive spirit and sportsmanship were a testament to their hard work and discipline, making the events a grand success. As we move forward, let us continue to strive for excellence, embrace challenges, and uphold the values that define our college. Together, we will achieve even greater heights

Focus on FOCUS and be a part of it.

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

Publications and Conferences

• **Dr.Venkanagouda M Goudar**, Prof., and Head, Dept. of Mathematics, published a research paper on “Kepler E-Banhatti and Modified Kepler E- Bannahatti Indices”, in Communications in Combinatorics, Cryptography and Computer Science Vol. 2, pp: 220-233, ISSN: 2783-5456 in December 2024.

• **Dr H B Bhaskar and Mr Lohith N**, Asst. Profs., Dept. of ME, published the journal paper title “Experimental Thermal Performance comparison in the condenser of heat pump system using R22 and R134a” in International Journal of Research Publications and Review, volume 05, issue 12, Dec 2024.

• **Mrs. Shaheena Khanum, Dr. Ravi Prasad D and Dr. Yogananda B S**, Asst. Profs., Dept. of EEE

have published a paper entitled “Different control strategies of Multi Level Inverter for Grid connected Wind Power Systems” at the second International Conference Environment, Economy, Management, Science and Technology (ICEEMST-II) 2024 organized by SIES, Tamil Nadu on 23rd & 24th Dec 2024.

• **Dr. Jayaprakash H V**, Asso. Prof., Dept. of Chemistry, presented a paper entitled “Defluoridation of ground water using Zirconium Oxychloride Octahydrate-Doped helianthus annuus seed shells in fixed-bed adsorption column” and a paper entitled “Synthesis and Characterization of Magnesium Oxide (MgO) nanoparticles for biodiesels

applications” in 9th International Conference on Recent Advances in Chemical and Environmental Research (ICRACER- 2024) on 18th December 2024 organized by Department of Chemistry, Jamal Mohamed College, Tiruchirappalli. Tamil Nadu. India.

- **Mrs. Sahana T.S.**, Asst. Prof., Department of Civil Engineering has presented a paper titled “Characterization of Bonding adhesive layer for strain gauge mounting subjected to flexural loads”, International conference on Advances in Aerospace Technologies (ICAAST 2024), SRM University held on 4th to 6th December 2024.

- **Dr. Puneeth Kumar D N**, Asst. Prof., Department of Civil Engineering was awarded best paper presenter at 4th IEEE Conference on Mobile Networks and Wireless communications (ICMNWC-2024) on Design of wide band MPA at 5G frequency band for indoor passive radar applications held at SSIT Tumakuru on 4th and 5th December 2024.

Faculty Achievements

- **Dr. Renukalatha S**, Dean and HoD, Dept. of CSE, has delivered a “Guest Lecture” on “Academic And Career Guidance “ in Presidency Public school, Sira on 16th December for class 9th and 10th standard (ICSE) Student’s strength of 400.

- **Dr. M. Nagaraja**, Professor, Department of Physics reviewed two research papers for the reputed international journal “Ionics”, published by Springer Nature in December 2024.

- **Dr. Roopa**, Asst. prof, Dept. of CSE has successfully completed PhD Defense in VTU Belgaum entitled “A predictive framework to analyze Tuberculosis from Chest X-ray images using Machine learning models” on 19th December 2024 under the guidance of Dr. Mamatha G S, Professor, Dept. of ISE, RVCE, Bengaluru.

- **Dr. Jayaprakash H V**, Asso. Prof., Department of Chemistry was invited as resource person and chaired technical sessions in 9th International Conference on Recent Advances in Chemical and Environmental Research” (ICRACER- 2024). Organized by Department of Chemistry on 18th December 2024, Jamal Mohamed College, Tiruchirappalli. Tamil Nadu. India.

- **Dr.Purnima P S**, Asst. Prof., Department of Biomedical Engineering was awarded Ph.D during 13th SSAHE Convocation on 14th December 2024, for her thesis titled “Design and development of hybrid algorithm for detection of sleep apnea disease and prediction of seizure in Neonates” under the guidance of Dr.Suresh M.

- **Dr. SharadaGuptha M.N.**, Dept. of ECE, was session chair at 4th IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC-2024), held during 4th to 5th December. 2024, at Dept., of ETE SSIT-Tumakuru.

- **Dr. M.V. Chidanandamurthy**, Asso. Prof., Dept. of ECE was invited as Resource Person, to give an Expert Talk on “Applications of CV in AI Field”, on 9th December 2024 at SJCIT-Chikballapur.

- **Dr.Pradeep M N**, Asst. Prof., Department of BME was awarded Ph.D during 13th SSAHE Convocation on 14th December 2024, for his thesis titled “Noise Cancellation in Non-Stationary signals using the Beamforming technique” under the guidance of Dr.Suresh M.

- **Dr.Raju AS, Dr.Guruprasad S and Dr.Purnima P S** were the conference session chair for the 4th IEEE International conference on mobile networks and wireless communication (ICMNWC-2024), organized by Department of ETE.

- **Dr.Yogeesh M**, Asst.Prof., Department of ETE was invited as resource person to conduct 3 days workshop on ‘IoT applications using ‘Arduino and Raspberry Pi’ on 23rd to 25th December 2024, Organized by Dept of Cyber security, SSIT-Tumakuru.

- **Dr. Babitha M N**, Asst. Prof, Dept. of CSE been appreciated as reviewer in the 4th International Conference on Advanced Network Technologies and Intelligent Computing organized by Department of CSE, Institute of Science, Banaras Hindu University, Varanasi, India during 19th to 21st December 2024.

- **Mrs. Vani B V**, Asst. Prof., Dept. of ISE received an incentive of Rs.3500/- from SSIT for her research publication.



Dr. Usha S, Asst. Prof., and her student **Mr. Rohith Gowda**, Dept. of Civil, were selected as finalist in the Anveshana 2024-25 Karnataka and Tamilnadu competition organized by Agastya International Foundation. On a part of Anveshana initiative Siddhartha High School students were involved in an engineering project titled "Exploring the sustainable integration of CETP sludge as a sand substitute in concrete: A Comprehensive elemental analysis", in the month of December.



Dr. Yogananda B S, Asst. Prof., Dept. of EEE has delivered a technical talk on "Design of FIR Filters" on 10th December 2024 organized by Cambridge Institute of Technology, Bangalore.

• **Dr. Yogananda B S**, Asst. Prof., Dept. of EEE and Kantharaju N P, Chandraiah B, Ravikumar R, Arpitha S N and Vinutha M L, Instructors, Dept. of EEE were the Resource persons in three days value added course on Electrical wiring, Estimation and costing held from 21st to 23rd December 2024 at SSIT, Tumakuru

• **Dr. Pradeep N**, Asso. Prof., Dept. of EEE delivered a technical talk on "Artificial Intelligence Driven Teaching and Learning Platforms" on 10th December 2024 organized by Sanjay Gandhi Polytechnic, Ballari.

• **Mrs. Likitha U N**, Asst. Prof., Dept. of EEE has delivered a technical talk on "IT Fundamentals for Cyber Security" on 10th December 2024 organized by Sanjay Gandhi Polytechnic, Ballari.

• **Mr. D V Venugopal Chavan**, Asst. Prof., Dept. of EEE has delivered a technical talk on "Micro-controller Applications in Day-to-Day Life" on 11th December 2024 organized by Sanjay Gandhi Polytechnic, Ballari.

• **Dr. Yogananda B S**, Dr. Ravi Prasad D and Dr. Jagadisha K R Asst. Prof., Dept. of EEE was recognized as Reviewer at the 2nd International conference on "Intelligent and Sustainable Power and Energy Systems" held on 13th and 14th December 2024, organized by the Dayananda Sagar College of Engineering, Bangalore.

Student Achievements

• **P Rudra Prakash, Pradyumna K, Vasishta, Chethan P, Gagan Raj, Yadhunandan, Niteesh** of 7th sem and **Bhuvan Raj, Bhargav, M M Prateek** of 5th sem students of Dept. of EEE participated and secured 2nd place in the inter branch cricket tournament held on 13th December 2024.

• **Ms. Deeksha H N** 5th sem student, Dept. of EEE won 2nd prize in Engineering division in "Dr. H.M.G On-The-Spot Drawing Competition" held at SSIT, Tumakuru, on 7th December 2024.

• **Mr. Kaushik U Pai** student of Dept. of EEE received a Best Outgoing Student award for the year 2024 under Engineering & Technology (UG) stream in the 13th Convocation held on 14th Dec 2024.

• **Ms. Monika G S** student of Dept. of EEE received a Gold Medal in the 13th Convocation held on 14th Dec 2024 for her outstanding performance in academics by securing highest CGPA of 9.09.

• **Manoj Devadiga, Anika Divya Shashi, Akshaya Niveditha**, 3rd semester students, Dept. of AI&ML completed a certification course on “Java from Basics to Advanced” on 5th December 2024.

• **Manasa M B**, 3rd semester student, Dept. of AI&ML completed a certification course on “Java for Beginners” on 1st December 2024.

• **Harshitha D N**, 3rd semester students, Dept. of AI&ML completed a certification course on “AI for Beginners” on 17th December 2024.

• **Komal Kumar M A** 3rd semester student, Dept. of AI&ML completed a certification course on “Introduction to JAVA” from 27th October to 6th December 2024.

• **Ms. Deepthi M R** 2024 passed out student from Department of Biomedical Engineering got placed into Panacea Medical Technologies Pvt Ltd., Malur, Kolar Dist.

• **Ms. Devika S B** (20EE016) passed out student of 2024

batch has secured a highest CGPA of 9.66 and has been awarded with a “Dr. Rajesh Kamath Gold Medal Award” in Alumni Meet on 8th Dec 2024 at PG seminar hall.

• **Mr. Chand Basha** (20EE012), passed out student of 2024 batch has recognized as a best outgoing student and has been award with a “Prof. K L Ratnakar Gold Medal Award” in Alumni Meet on 8th Dec 2024 at PG seminar hall.

• **Ms. Smitha G R** (21EE066), Mrs. Vinutha Ravath S (22EE073) and Ms. Manasa N (23EE054) has awarded a Poornima Lakshman Memorial Scholarship of Rs. 25,000/- in Alumni Meet on 8th Dec 2024 at PG seminar hall.

• **Ms. Amrutha K S** (23IS007) and Ms. Kavya Nagaraj Harigol (22EE039) has awarded a Dr. Satturu Raghavendra Rao Foundation Scholarship of Rs. 15,000/- in Alumni Meet on 8th Dec 2024 at PG seminar hall.

Faculty Participation

• **Dr. Usha S and Dr Akshay J** Asst. Prof., Dept of Civil Engineering, has Attended and Completed 6 Days Online Faculty Development Program on “Innovative Approaches To Disaster Management & Resilient Infrastructure” Sponsored by AICTE, New Delhi under AICTE Training and Learning Academy (ATAL) from 9th to 14th December 2024 organized by Dept. of Civil Engineering, ATME College of Engineering, Mysuru.

• **Dr Akshay J, Dr. Sowjanya G V, Dr Pradeep A R and Dr. Usha S**, Asst. Prof., Dept of Civil Engineering, has attended and Completed 6 Days Online Faculty Development Program on “Disaster Risk Reduction Through Sustainable Infrastructure” Sponsored by AICTE, New Delhi Under AICTE Training and Learning Academy (ATAL) on 16th to 21st December 2024 organized by Dept. of Civil Engineering, Ramachandra College Of Engineering, Eluru, Andhra Pradesh.

• **Mrs. Supriya C B, Dr Pradeep A R** Asst. Prof., Dept of Civil Engineering has participated in ISTE approved One Week Faculty Development Programme On Recent Advancement In Civil Engg and Innovation Techniques topic on “Techniques Of Repair In Structures” organized by Atma Malik Institute Of Technology And Research-Thane from 16th December 2024 to 20th December 2024.

• **Dr. Sowjanya G V**, Asst. Prof., Dept of Civil, attended ISTE approved faculty development program on “Recent Advances in Civil Engineering; Innovation and Emerging Technologies”,organised by Department of Civil Engineering, Atma Malik Institute of Technol-

ogy and Research, Maharashtra, from 16th to 20th December 2024.

• **Dr Srinidhi G A, Mrs Sujatha G S and Mrs Ayesha Azeeza** Asst. Profs., Dept. of CSE(CY) attended a seminar on the topic of “Indian Knowledge System vs American Knowledge System”- what makes Indians to be respected by America. By Dr S. S Iyengar, Distinguished University Professor, Florida International University, Miami, Florida, USA on 26th December 2024 at SSIT, Tumakur.

• **Mrs. Roopashree C R** Asst. Prof., Dept. of Mechanical Engineering, participated in online Five day faculty development Programme on “Future prospects in renewable energy and waste heat recovery “ held on 17th to 21st 2024, organized by Department of Mechanical Engineering, Dream Institute of Technology, Kolkata

• **Mrs. Bindu A.U.** Asst. Prof., Dept. of ECE attended 40 Hours (online) Faculty Development Program (FDP) on the topic “Semiconductor Devices and Circuits: Research Trends and Applications”, held during 8th to 17th December 2024, held at Dept. of ECE, NIT Warangal.

• **Mrs. Vidya K.V** Asst. Prof., Dept. of ECE attended 6 Days (online) ATAL-Faculty Development Program (FDP) on the topic “Exploring Emerging Technologies in Next Generation Communication Networks”, held during 25th to 30th December 2024, at R L Jalappa Institute of Technology-Bangalore.

• **Dr. M.V. Chidanandamurthy**, Asso. Prof., Dept. of ECE attended 6 Days (online) ATAL-Faculty

Development Program (FDP) on the topic “Leveraging Healthcare: Innovations, Technology and Applications (Health ITA)”, at National Institute of Technology-New Delhi, 16th to 21st December 2024.

- **Dr. Renukalatha S**, Dean and HoD, Dept. of CSE, has attended one day workshop on “Women Leaders: Shaping Academic Excellence for VIKSIT Bharat@2047” on 13th December 2024 organized by University Grants Commission and Ministry of Education, at IIT Campus, New Delhi.

- **Mrs. Bhoomika P**, Asst. Prof, Dept. of CSE has successfully completed FDP on “AI applications in Banking and health care industry” organized by Excel Ed-tech pvt.Ltd. from 12th to 18th December 2024.

- **Dr. Annapurna H S**, Prof., and Head, Dept. of ISE chaired a session in the 4th IEEE International Conference on Mobile Networks and Wireless Communications, ICMNWC-2024, organized by the Dept. of ETE at SSIT, Tumakuru on 4th and 5th December 2024.

- **Mrs. Sowmya K R and Mrs. Sumaya Banu** Asst. Prof, Dept. of EEE has participated in one-week online faculty development programme on AI and ML Education during 9th to 14th Dec 2024 organized by Sanjay Gandhi Polytechnic, Bellari.

Student Participation

S K Abhyudhy, 5th semester AI&ML student participated in two days pre conference workshop on 14th -15th December 2024 and in three days Conference at “International Conference on Applied AI and Scientific Machine Learning” held at Indian Institute of Science Bangalore on 16th -18th December 2024.

Department Activities



The Dept. of MCA organized a Fresher's Day celebration for the first-year MCA students on 28th December 2024. On the same day, the department inaugurated its annual fest, “SYNERGY”, and it was inaugurated by the honorable principal. Additionally, a technical talk on the topic “How to Prepare for Interviews” was conducted. The session was hosted by Ms. Bhoomika B. M., Project Manager at Nokia, Bangalore, and Mr. Sujay T. N., Senior Analyst at Capgemini, Bangalore.

Dept. of ETE Orgnized 4th IEEE conference on Mobile Networks and Wireless communication on December 4th and 5th 2024.



Yanthrik 2024-25 is a department fest organized by the Dept. of Mechanical Engineering Association (MEA) involves Signing of MOU, Inauguration of MEA Activities & inauguration of AMPP SSIT STUDENT CHAPTER. This year, Yanthrik 2024-25 was organized on 2nd December 2024 Monday with Signing of MOU between Department of Mechanical Engineering and Cadmaxx Aeronautics Pvt Ltd., Bengaluru Dr. Vijay-Kumar Hiremath, Director, Cadmaxx Aeronautics Pvt Ltd, Principal Dr Raviprakash, SSIT signed the MOU, Dr Hemantha kumar T R, Prof., & Head, Dept. of ME & Dean of placement Dr Ashok Mehtha, Dr. Annapoorna T L, Faculty Advisor and Faculties witnessed the event.



Industrial visit to JEC Industries, Tarikere was organised for 5th semester students of Mechanical Engineering department on 19th December 2024. This industry manufactures the all agriculture related

- One-day Multilevel workshop on biomedical equipment was organized by the Department of BME on 13th December 2024.

- The 5-day Value Added course on Generative AI in Healthcare was organized by the Department of BME from 15th to 19th December.

- Students from 3rd and 5th semester BME, visited BPL Medical Technologies and Dolfon Healthcare, Kerala in December.



Three day work shop on Modeling and analysis of machine element (CATIA, Hyper-Mesh & Ansys) for 3rd and 4th year students of Department of Mechanical Engineering from 13th to 15th December 2024 by the Resource persons Mrs Chaithra R, center manager, Mr Jitenrda M, Mr shivakumar H B, Educadd Learning solutions Pvt Ltd. Coordinated by Dr Bhaskar H B & Mr Meghani Molies Reddy.



Department of AI&ML had organized “Web Designing Crash Course” for 3 days under AI Nexus, a technical club of Dept. of AIML from 19th to 21st December 2024.

- Dr. N Pradeep, Asso. Prof., Dept. of EEE and Energy Club Co-ordinator has organised and celebrated a “National Energy Conservation and Energy Efficiency” Week from 14th December to 20th December 2024



Inauguration of Branch Association & Fresher's Day was organized in our college by Department of Civil Engineering on 6th December 2024. Er. Vinay Kumar B G, Executive Engineer, Tumakuru City Corporation. Dr. Shruthi R, HOD, Dept. of Civil Engg, BGSIT, Mandya. Er. Mohammed Nawaz Khan, Founder, Upkar Land Developers, Sira were the chief guests. Followed by Technical Talk on 1. “Opportunities for Civil Engg Students in Public Sectors” by Er. Vinay Kumar B G, Executive Engineer, Tumakuru City Corporation 2. “Solid Waste Management” by Dr. Shruthi R, HOD Dept. of Civil Engg, BGSIT, Mandya.



The Department of Civil Engineering have successfully organized a 5 days Value-Added Course titled “Analysis and Design of Residential Building”, aimed at acquisition of Residential building design from 12th -16th December. The program was held with great enthusiasm and active participation from students and faculty members. 30 students from 3rd and 5th sem and 65 students from 7th semester and 4 M.Tech students from Civil Engineering have attended.

- The Dept. of Information Science and Engineering organized a Technical Quiz and Coding Competition, “C-BITZ” on 30th December 2024 in which 94 students from 3rd semester and 100 students from 5th semester took part in Quiz and 30 students participated in the Coding competition.



Seminar on the topic of “Indian Knowledge System vs American Knowledge System”- what makes Indians to be respected by America was organised by Dept. of CSE(Cyber Security) And Dr S. S Iyengar, Distinguished University Professor, Florida International University, Miami, Florida, USA was the resource person on 26th December 2024.



Personality Development Program: All the 2nd students of Dept. of ECE attended the , program held at Ramakrishna Ashrama, Tumkur, on 27th December 2024, and :r. NandiniHarinath, Assistant Director, ISRO-Bangalore was the Resource Speaker.

• SSIT-IEEE-Student Branch (SB) Activities celebrated IEEE Day on 16th December 2024. H.L. Srinivas, Former Scientist ISRO Satellite Centre, Bangalore was the Chief Guest and Resource Person who spoke on “Outline of Space Exploration” and the Event Coordinator was Dr.M.N. Sharadaguptha, Branch Counsellor



Students of 7th Semester Dept. of ECE visited IS-TRAC-ISRO-Bangalore on 12th December 2024 and the work was demonstrated by ISRO experts: ISRO Telemetry, Tracking and Command Network details



Mr. D V Venugopal Chavan, Asst. Prof., Dept. of EEE, AEEE Coordinator of department has organized an inauguration of branch fest “Vidyuth-2k24” and “Freshers Day” on 5th December 2024 at PG seminar hall.



Dr. N Pradeep, Asso. Prof., Dept. of EEE and Energy Club Co-ordinator the department had a talk at Radio Siddhartha 90.8 FM on “National Energy Conservation and Energy Efficiency” on 20th Decem-



Dr. M S Raviprakash, Principal SSIT and delivered a technical talk on “Energy Conservation Opportunities” on 19th December 2024 at Step seminar hall.

• Dr. N Pradeep, Asso. Prof., Dept. of EEE, Mr. D V Venugopal Chavan and Mr. Nandan N, Asst. Profs., Dept. of EEE have organized a three days value added course on “Electrical Wiring, Estimation and Costing” for 3rd semester students of EEE department from 21st December to 23rd December 2024 at Step Seminar Hall and Power Electronics Lab.

Sports



The state Level Inter Collegiate Volley Ball Tournament for men and women was organised on 26th and 27th December 2024 at SSIT by Mr. Rudresh K R, Physical Education Director, Dept. of Physical Education and Sports. 16 teams of men and 8 teams of women across the state had participated in the event. With the support of Dr. G Parameshwara, Honourable Home Minister, GoK, Honourable Chancellor, SSAHE the event was inaugurated by Mrs. Subha Kalyan, Deputy Commissioner & District Magistrate, Tumakuru. Dr. Linge Gowda, K B, Honourable Vice Chancellor, SSAHE, Dr. M Z. Kurian, Registrar, SSAHE, Dr. Vivek Veeriah, Advisor to Chancellor, SSAHE, Dr. G Gurushankar, CoE, SSAHE and Dr. M S Raviprakash, Principal SSIT were the guest of honour for the event. SSIT women team won the first place and SSIT men team went with third place.

College Events





Drawing Competition:

In the memory of Shikshana Bheeshma Dr. H M Ganagadharaiiah, on the spot painting competition was conducted on 7th December 2024 at SSIT campus. More than 5000 students from 100 various schools in and round Tumakuru had participated in the event. The event was inaugurated with the gracious presence of of Smt.Kanika Parameshwari, Hon'ble Trustee, SSES, Tumakuru. Mr. Suryanarayana Y A, KV AFS Yelahanka Fraternity, Bengaluru was the chief guest of the event and Dr. M S Raviprakash, Principal, SSIT presided over the function. Dr. Linge Gowda, K B, Hon'ble Vice Chancellor, SSAHE, Dr. M Z.Kurian, Registrar, SSAHE and Dr.Vivek Veeriah, Advisor to Chancellor, SSAHE were the guest of honour for the event. Dept. of BME and Dept. of Chemistry jointly coordinated the event with the support of coordinators and faculty of various departments.



Alumni Meet:

Alumni Meet "Sethu Bandha" 2024-25 was organised on 8th December 2024 at SSIT campus, with the support of Dr. G Parameshwara, Hon'ble Home Minister, GoK, Hon'ble Chancellor, SSAHE. Alumnis of various departments had attended the event with full happiness and joy of getting back from where they started. Mr.Prasad D L, Managing Director, Titan Engineers, Bengaluru (Mechanical Engineering Alumnus, 1989 Batch) was the chief guest of the event. Dr. M Z.Kurian, Registrar, SSAHE and Dr.M S Raviprakash, Principal SSIT, were the guest of honour of the event. Dr.Renukalatha S, Prof., and Head, Dept. of CSE, Dean (Aca), Dr.V Raviram, Vice-President, Alumni Association, Dr.S H Jeevith, Secretary-cum-Treasurer, Alumni Association, Mrs. G L Swarnalatha, Joint Secretary, Alumni Association and all the faculty coordinators, Alumni were present in the event and the event went on successfully.

Placement News

The campus placement and internship drives for December 2024 witnessed remarkable participation from various esteemed companies, leading to numerous successful student placements.

A total of 155 students secured placements across multiple companies. Teachnook led the hiring with 23 students, followed by Academor (56), Movidu Tech (37), Skill Intern Pvt. Ltd (18), and KPMG (12). Other companies, including IntimeTec, Datacare India Pvt Ltd, and Kalpataru Projects International Ltd, collectively hired additional candidates, contributing to this impressive count.

Internship opportunities were also abundant, with 80 students securing positions in companies such

as Technologies Global Pvt Ltd (9), Q-Spider (26), Global Quest Technologies (26), Pentagon Space Pvt Ltd (15), and Vstand4U Solutions (4).

Recruitment drives conducted in December resulted in successful selections in key firms. Notably, KPMG hired 12 students, Kalpataru Projects International Ltd selected 3, and Pentagon Space Pvt Ltd recruited 15 students. However, IBM and ELEATION conducted drives but did not select any candidates.

With 235 students securing placements and internships, the month of December proved to be highly productive, reflecting strong industry engagement and student competency in securing career opportunities.

NSS

Dr. B.S.Ravikiran, NSS Programme Coordinator- SSAHE and Mr. S.H.Jeevith, NSS Officer SSIT were present in the occasion of World Aids Day observed at SSAHE-Tumakuru on 1st December 2024.

Person of the month

Atal Bihari Vajpayee

1924 - 2018

Atal Bihari Vajpayee was a renowned Indian politician, poet, and orator who played a significant role in shaping modern India. He was the 10th Prime Minister of India and served in three terms: first for 13 days in 1996, then for 13 months in 1998–1999, and finally for a full term from 1999 to 2004. He was one of the founding members of the Bharatiya Janata Party (BJP) and played a crucial role in its rise as a major political force in India.

Born on December 25th, 1924, in Gwalior, Madhya Pradesh, Vajpayee was deeply influenced by nationalist ideals from a young age. He joined the Rashtriya Swayamsevak Sangh (RSS) and later became an active member of the Bharatiya Jana Sangh, which later evolved into the BJP. His exceptional oratory skills and



strong leadership qualities earned him respect across party lines. He was elected to the Lok Sabha multiple times and also served as India's Minister of External Affairs in the Morarji Desai government (1977–1979), where he played a key role in strengthening India's foreign policy.

Vajpayee's tenure as Prime Minister was marked by significant achievements in various fields like Pokhran-II Nuclear Tests (1998), Economic and Infrastructure Reforms, Indo-Pak Relations and the Lahore

Summit, Kargil War (1999), Focus on Education and Governance. After completing his term in 2004, Vajpayee retired from active politics due to health issues. He remained a revered figure in Indian politics, known for his humility, wit, and statesmanship. In 2015, he was honored with Bharat Ratna, India's highest civilian award. He passed away on August 16, 2018, leaving behind a legacy of visionary leadership, diplomacy, and economic

Atal Bihari Vajpayee was not just a politician but a statesman who believed in consensus-driven governance. His contributions to India's nuclear security, economic reforms, and diplomatic relations have had a lasting impact. His poetry and speeches continue to inspire generations, and he is remembered as one of India's most respected and beloved leaders.

Quote of the month



“Push yourself, because no one else is going to do it for you.”

| Anonymous



Technical Article

The Electric Vehicle Revolution in India: Trends and Prospects for 2025

India is on the verge of a big change in its transportation system as electric vehicles (EVs) become more popular. The year 2025 is expected to be a key moment for the EV industry, with rapid growth, new technology, and strong government support. This article explores the latest trends, future possibilities, and technological advancements shaping the EV sector in India.

Market Growth and Projections

The Indian EV market has witnessed remarkable growth over the past few years. In 2024, EVs accounted for approximately 2.5% of the 4.3 million cars sold in the country. This figure is projected to rise substantially, with the government setting an ambitious target of 30% EV penetration by 2030. To support this goal, the government has announced incentives worth ₹20 bil-

lion to establish public fast-charging stations, addressing one of the critical barriers to EV adoption—charging infrastructure.

Financial projections for the EV market in India are equally promising. The market size is estimated to reach approximately ₹4.5 lakh crore in 2025 and is expected to grow at a compound annual growth rate (CAGR) of 20%, reaching ₹9.1 lakh crore by 2029. This growth is driven by increasing consumer awareness, favorable government policies, and advancements in EV technology.

Expansion of Charging Infrastructure

A robust and accessible charging infrastructure is vital for the widespread adoption of EVs. Recognizing this, Indian automakers are making significant investments to expand the network of charging stations across the country.

- Tata Motors, the leading EV manufacturer in India, plans to more than double the number of EV charging stations to 400,000 by 2027. This expansion includes the installation of 30,000 new public charging points and the development of a ‘Mega Charger’ network across 500 locations, featuring 120-kilowatt fast-charg-



ing units accessible to all EV brands.

- Maruti Suzuki aims to install 1,500 EV chargers at its service stations and provide home installation services, ensuring access to a charger every 5-10 kilometers in major cities.

- Hyundai Motor India plans to increase its public fast-charging stations from 50 to 600 by 2031 and currently offers access to 10,000 charging points through private operators.

These initiatives are complemented by efforts from government-owned fuel retailers like Indian Oil, Bharat Petroleum, and Hindustan Petroleum, which have established one of the largest networks across 18,000 locations.

Technological Advancements

Technological innovation is at the heart of the EV revolution in India. Several key developments are shaping the future of electric mobility:

- **Battery Technology:** Advances in battery technology are leading to longer driving ranges and shorter charging times. Research into solid-state batteries promises higher energy density and enhanced safety compared to traditional lithium-ion batteries.

- **Local Battery Production:** To reduce dependence on imports and control production costs, companies like Tata Motors are investing in local battery manufacturing. Tata plans to invest

\$1.5 billion in a battery gigafactory set to commence operations in 2026, ensuring greater control over the supply chain and cost structures.

- **Vehicle-to-Grid (V2G) Technology:** V2G technology allows EVs to supply electricity back to the grid, enhancing energy resilience and offering potential financial incentives to EV owners. This technology is gaining attention as a means to balance grid demand and integrate renewable energy sources.

Policy Support and Industry Collaboration

The Indian government's commitment to promoting electric mobility is evident through various policy measures and incentives:

The Union Budget 2025-26 introduces several key measures to accelerate EV adoption in India, focusing on affordability, infrastructure development, and local manufacturing. To make EVs more cost-effective, the GST on EV batteries has been reduced from 18% to 5%,

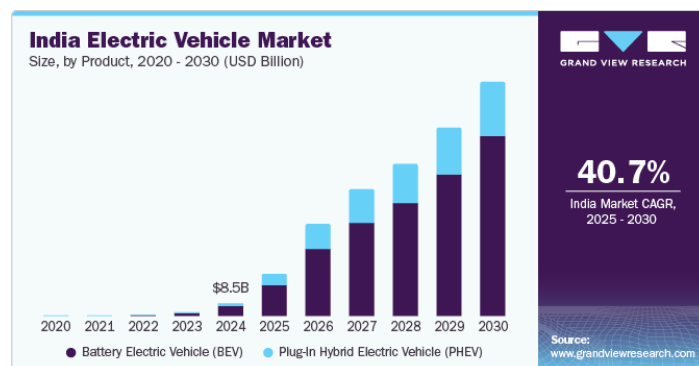
bringing down overall prices. Additionally, income tax deductions on EV loan interest have been introduced to encourage consumer adoption. Recognizing the need for robust infrastructure, charging stations have been granted 'infrastructure' status, enabling easier financing and investment, while Public-Private Partnerships (PPPs) are being promoted to expand charging networks across the country.

To reduce dependency on imports and boost domestic production, the Production-Linked Incentive (PLI) Scheme has been extended to include EV components and advanced batteries, offering financial benefits to manufacturers. Furthermore, R&D funding has been increased to develop more efficient and cost-effective battery technologies.

- **Financial Incentives:** The Faster Adoption and Manufacturing of Hybrid and Electric Vehicles (FAME) scheme offers subsidies to both manufacturers and consumers, reducing the overall cost of EVs.

- **Tax Rebates and GST Reduction:** Industry stakeholders have urged the government to introduce tax rebates and simplify the Goods and Services Tax (GST) structure in the upcoming Union Budget 2025-26. These measures aim to make EVs more affordable and stimulate demand.

- **Public-Private Partnerships:** Collaboration between government bodies and private enterprises is fostering innovation and infrastructure development. Initiatives like the EV Tech India Expo 2025, scheduled from March 7-9, 2025, in Pune, serve as platforms for stakeholders to showcase advancements and forge strategic partnerships.



Challenges and the Road Ahead

Despite the positive trajectory, the EV industry in India faces challenges that need to be addressed to sustain growth:

- **High Initial Costs:** The upfront cost of EVs remains higher than traditional internal combustion engine ve-

hicles. Continued efforts in reducing battery costs and offering financial incentives are essential to bridge this gap.

- **Charging Infrastructure:** While significant progress has been made, the availability of charging stations in rural and semi-urban areas is still limited. Expanding the charging network to these regions is crucial for widespread adoption.

- **Consumer Awareness:** Educating consumers about the benefits of EVs, including long-term cost savings and environmental impact, is vital to overcoming skepticism and encouraging adoption.

the electric vehicle landscape in India is poised for substantial transformation by 2025. With concerted efforts from industry players, technological innovators, and government bodies, India is on the path to becoming a significant player in the global EV market, driving sustainable and eco-friendly transportation solutions for the future.



Dr. Praveen kumar C

Assistant, Professor

Department of Electrical and Electronics

January notification

- New Year-2025 celebration
- Rebublic Day celebration
- Creatathon to be organised by SSIT-IEEE, WIE-AG
- ODD Sem SEE for all semester students
- Various visits and workshops scheduled

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