



SAI VIDYA

INSTITUTE OF TECHNOLOGY

(Affiliated to VTU ,Approved by AICTE, New Delhi,, Recognized by Govt. of Karnataka), NBA Accredited (ECE, CSE, ISE) , NAAC 'A' Grade
Rajanukunte, Bangalore-560119

MONTHLY NEWS LETTER

JULY 2026



VOLUME 2, ISSUE 7



INSTITUTION'S
INNOVATION
COUNCIL

Vision

Contribute dedicated, skilled, intelligent engineers and business administrators to architect strong India and the world.

Mission

- To provide quality education and skilled training to produce dedicated engineers and managers
- To promote research, innovation, and ethical practices by creating supportive environment.
- To undertake collaborative projects with academia and industry that transform young minds into Socially Responsible Citizen and Globally Competent Professionals.
- To enhance personality traits which lead to entrepreneurship qualities among the students

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Dr. Manjunath T N
Principal

Student Representatives

Ms.Shri Kara Bhat A P (1VA24CS133) - CSE
Ms.Lekha Pradeep (1VA23CI062) – CSE (AIML)
Mr.Likhith M (1VA23CD044) – CSE (DS)

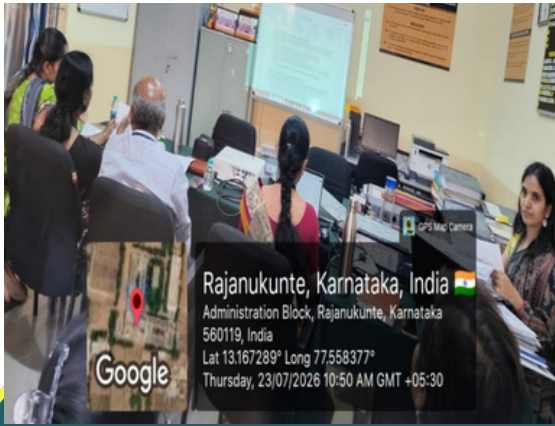


Events Conducted



An Expert Talk on “IGNITE: Interdisciplinary Innovation and Entrepreneurship” was organized by the Institution’s Innovation Council (IIC) on 29th July 2026 for 7th-semester students and faculty. Mr. Chandrashekara N, Managing Partner, Farm Tech International, Bengaluru, shared insights on innovation, entrepreneurship, and transforming ideas into successful ventures, inspiring participants to develop creativity, collaboration, and an entrepreneurial mindset.

Professional Activity



NBA (National Board of Accreditation) work is currently in progress in the department, focusing on documentation, outcome-based education practices, and quality improvement measures. This process is helping enhance academic standards, curriculum alignment, and overall institutional performance.

Students Achievements



Semester Toppers

Celebrating Academic Excellence

The Department of Computer Science and Engineering (Data Science) proudly congratulates the Semester Toppers of the 4th and 6th Semesters for their outstanding academic performance. Their dedication, perseverance, and commitment to excellence have set a remarkable example for their peers.



Students Achievements



Ms. Kathyayini.E, Mr. Vasanth Kumar B, Ms. Vaishnavi Srinivas Murthy and Ms. Harshini S, Alumnis of batch 2026 have participated in the 49th Series of SPP by KSCST organized at Adichunchanagiri University, Nagamangala on 17th & 18th July 2026.

Ms. Amrutha Hadapad of 7th sem ISE has completed certification on practicals of Data Analytics Job Simulation offered by Deloitte on 24th July 2026.



Mr. Mayank Nair has brought laurels to the Department of CSE (Data Science) by securing 9th Place at the prestigious Arogya Mathan Hackathon and winning a cash prize of ₹3,000. His achievement reflects his technical proficiency, innovative thinking, and unwavering determination to excel in competitive environments.



Students Achievements



Students of 7th semester CSE, participated in Arogya Manthan 2026 Hackathon, held on 27.07.2026 & 28.07.2026 in Hassan at Mahad College of Engineering



Mr. Anurag Paul of 5th sem is been selected as Google Student Ambassador



Ms. Janani.V of 7th sem has completed 4weeks of virtual Internship in C++ Programming at CODSOFT



Mr. Sanjay.P.G of 7th sem has participated in the Semi finals of the Unisys Innovation Program on 9th July.



Mr. Kumara Swamy Y.C is identified as Campus Ambassador with TECHNOGLOBAL



Faculty Achievements

Patent Published

(12) PATENT APPLICATION PUBLICATION	(21) Application No.202041087938 A
(18) PCT DATA	
(22) Date of Filing of Application :18/07/2020	(43) Publication Date :24/07/2020
(54) Title of the invention : AI Enabled Embedded Hardware Security System for Intelligent Electronic Devices	
(31) International classification	(71) Name of Applicant : :GOWN 2000, GOWD 21/07, 1984, 20/06, HAIL, 481, GOWD 21/03
(11) Priority Document No	(72) Name of Inventor : 1)Dr. K. Karthika 2)Dr. K.S. Suresh Prasad 3)Dr. Aarun Kishore Camarum Theodoraj 4)Ms. T. G. Aral Flora 5)Ms. K. Jayashree 6)Ms. S. Priyadarshini 7)Mr. M. S. Harish 8)Mr. Himanshu Choudhary 9)Mr. Jyoti Kumar 10)Dr. Paramanand Prabhat
(12) Priority Date	NA
(13) Name of priority country	NA
(60) International Application No	NA
Filing Date	(01/01/1900)
(81) International Publication No	NA
(84) Patent of Addition to Application Number	NA
Filing Date	NA
(82) Divisional to Application Number	NA
Filing Date	NA
(57) Abstract : The rapid proliferation of intelligent electronic devices across smart homes, industrial automation, healthcare, and Internet of Things (IoT) environments has significantly increased the demand for advanced, intelligent, and adaptive security mechanisms. This invention proposes an AI Enabled Embedded Hardware Security System for Intelligent Electronic Devices that integrates embedded hardware security with artificial intelligence to provide proactive protection against evolving cyber threats. The proposed system incorporates secure boot, hardware-based encryption, trusted execution, tamper detection, and AI-driven anomaly detection to safeguard device integrity, confidential data, and communication channels. By employing machine learning algorithms within a dedicated embedded security module, the system continuously monitors device behaviour, identifies anomalous activities, predicts potential attacks, and initiates autonomous security responses in real time. The architecture supports secure authentication, firmware integrity verification, access control, and encrypted data transmission while maintaining low computational overhead and energy efficiency. The proposed solution is scalable and adaptable to a wide range of intelligent electronic devices, including IoT nodes, wearable electronics, smart healthcare systems, industrial control systems, automotive electronics, and edge computing platforms. The integration of AI with embedded hardware security enhances threat detection accuracy, minimizes false positives, and strengthens resilience against malware, firmware manipulation, physical tampering, and unauthorized access. The invention provides a cost-effective, reliable, and future-ready cyber security framework for next-generation intelligent electronic systems.	
No. of Pages : 13 No. of Claims : 7	

The Department of CSE (Data Science) proudly congratulates Ms. Jyoti Kumari on the publication of her patent. Her achievement reflects excellence in research and innovation, inspiring the entire student community.

The Department of Computer Science and Engineering (Data Science) proudly congratulates Ms. Pavithra B on her extraordinary achievement of publishing 11 patents. This remarkable milestone reflects her exceptional dedication, innovative spirit, and unwavering commitment to research and technological advancement.



Best Paper Award at IEEE SPACE 2026 conference.(19 – 21 July)

"Design and Modeling of Nanomaterial-Based Optical Devices for Sensing Applications,"
Prof.Darshan RV & Varsha HN (Student)



Dr. Venkatesha M
Served as Track Chair – Photonics for IEEE
Connect 2026 (2 – 5 July)



Faculty Achievements



Prof. Nayana K Successfully completed the "Introduction to IEEE Member & Geographic Activities (MGA)" course offered by the IEEE Center for Leadership Excellence.

Successful acceptance of research paper: "Optimization and Performance Analysis of Electro-Optic Ring Modulator for Low Power Photonic Circuits" for publication in the prestigious Microsystem Technologies (Springer), a Scopus & Web of Science Indexed journal with an Impact Factor of 1.9



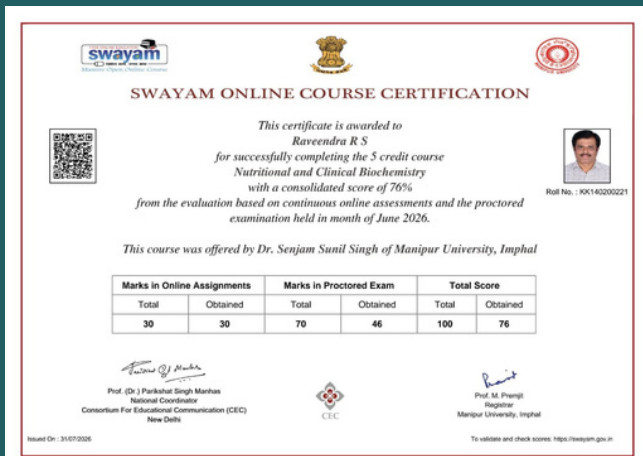
Dr. Kumaresh Sheelavant served as a Session Chair at IEEE CONECCT 2026, contributing to the successful conduct of technical sessions and promoting research excellence in the international academic community.



Prof. Thanuja.M, Assistant Professor and Dr. Prasanna Lakshmi.G.S, Associate Professor, HOD, CyberSecurity presented paper entitled "AI – Powered ECG Signal Denoising using Residual Variational Autoencoder with Dual Attention" has won Best Paper, 2nd Place at the Joint Conference of 17th International Conference on Systematic Innovation and 3rd International Conference on Data Science & Exploration in Artificial Intelligence.

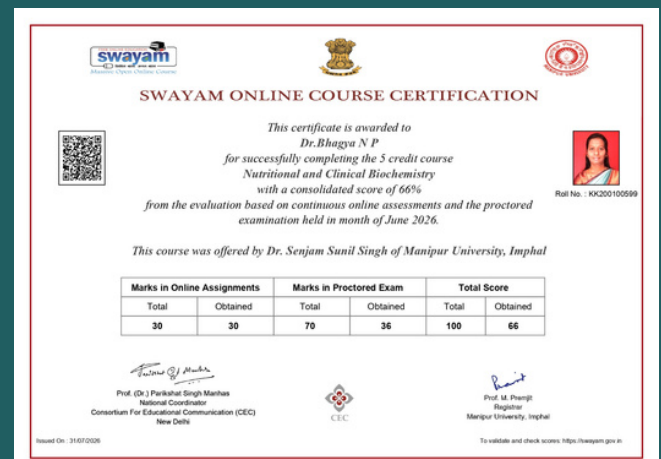


Faculty Achievements



Dr. Raveendra R.S., Successfully completed SWAYAM Online Course Certification in “Nutritional and Clinical Biochemistry”.

Dr. Bhagya N.P., Successfully completed SWAYAM Online Course Certification in “Nutritional and Clinical Biochemistry”.



FDP ATTENDED



Prof. Divyamani.M.K, Assistant Professor has completed ATAL AICTE FDP on “Emerging Trends in Quantum Computing Concepts, Algorithms and Practice” at RV Institute of Technology from 20th July to 25th July.



FDP ATTENDED

1. Prof. Jayshri "Successfully participated in the Six-Day Faculty Development Program on Cyber Security in the AI Era, organized by the Department of Computer Science and Engineering (Artificial Intelligence & Machine Learning), Gopalan College of Engineering and Management, held from 13th July 2026 to 18th July 2026."
2. Prof. Deepika G S "Successfully participated in the Six-Day Faculty Development Program on Cyber Security in the AI Era, organized by the Department of Computer Science and Engineering (Artificial Intelligence & Machine Learning), Gopalan College of Engineering and Management, held from 13th July 2026 to 18th July 2026."
3. Ms. Pooja Janwe successfully completed a Five-Day Faculty Development Programme on "Agentic AI Essentials" held from 23rd to 27th July, 2026 enhancing her knowledge of emerging trends and applications in Agentic Artificial Intelligence.
4. Mrs. Rekha Murthy successfully completed a One-Week Short-Term Training Programme (STTP) on "Building AI Agents: From LLMs to Deployable Multi-Agent Systems", conducted from 29-06-2026 to 05-07-2026 by the Department of CSE, Vardhaman College of Engineering.
5. Mrs. Rekha Murthy successfully completed a Five-Day National Level Faculty Development Programme on "10X – Artificial Intelligence Research Acceleration & Revolutions: Scope & Future Ahead", held from 27-07-2026 to 31-07-2026 at Amruta Institute of Engineering and Management Studies.
6. Soumya L N participated in the Five Day National Level Faculty Development Program on "10X–Artificial Intelligence Research Acceleration & Revolutions: Scope & Future Ahead," conducted from 27th to 31st July 2026 at Amruta Institute of Engineering and Management Studies.
7. Soumya L N attended the Five-Day Faculty Development Program on "Generative AI and Data Science: Tools, Techniques, and Applications for Modern Educators."



Faculty Achievements

Publications by Faculty

1. Mrs. Nazia Nusrath Ul Ain has successfully published the book titled "Quantum Intelligence Engineering: Machine Learning Innovations on Quantum Platforms."
2. Mrs. Nazia Nusrath Ul Ain published a research paper titled "A Window-Adaptive Intrusion Detection Framework Using Temporal Elasticity for Handling Network Traffic Concept Drift" in the IEEE International Conference on Next-Generation Paradigms in Computing and Vision (ICNPCV 2026).



Dr. Prasanna Lakshmi G.S, Associate Professor, has co-authored and published paper entitled “Domain-Invariant Vision-Language Models for Fashion E-Commerce Retrieval: Challenges, Benchmarks and Industry Prospectives” in Q1 Journal IEEE Access.



Prof. Divyamani M.K. presented a technical paper titled “A Multi-Objective Trust-Aware Elite Opposition Learning Tuna Optimization Algorithm for Secure and Energy-Efficient Clustering and Routing in IoT WSN” at SYNERGY-2026 International Conference on Smart Intelligent and Innovative Technologies (IC-SIIT), Bengaluru, from 15th–17th July 2026.



Faculty Achievements

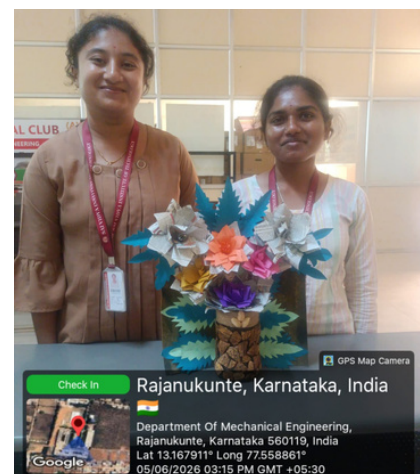
Patent Published

The Department of CSE(AI & ML) is proud to announce the publication of 20 innovative patents during the academic year. These patents encompass cutting-edge solutions in Artificial Intelligence, Machine Learning, Internet of Things (IoT), Cloud Computing, Smart Cities, Intelligent Transportation, Healthcare, Cybersecurity, and Sustainable Technologies. This remarkable achievement reflects the department's commitment to fostering research, innovation, and intellectual property creation, contributing significantly to technological advancements and societal development.

IIC Activities

An Expert Talk on "IGNITE: Interdisciplinary Innovation and Entrepreneurship" was organized by the Institution's Innovation Council (IIC) on 29th July 2026 .

NSS Activities



The NSS unit of SVIT organised an awareness session to promote social and environmental responsibility among students.

Students actively participated in creative craft activities using reusable materials.

The programme encouraged creativity, teamwork, and community awareness.

It provided students with an opportunity to learn and express their ideas creatively.

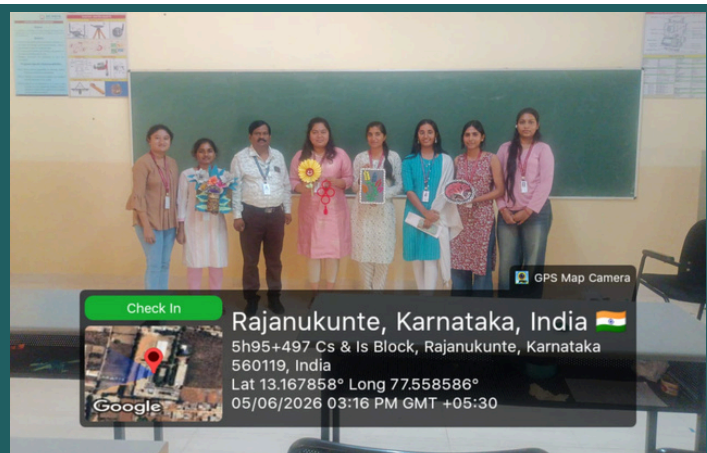
The event was informative, engaging, and meaningful.



NSS Activities



World Environment Day is celebrated annually on 5 June to promote environmental awareness and action. At SVIT, a plantation drive was conducted with a brief awareness session on the importance of plants. The drive was led by Mr. Vasantha Madhav B, HR-Admin, along with SVIT students, followed by awareness activities and a craft work event.



World Bicycle Day was celebrated on 3 June 2026 under the BRICS SERVE 2026 initiative to promote sustainable transportation, environmental conservation, and healthy living. The programme included an awareness session on road safety, helmet use, and bicycle maintenance. Students took a pledge to use bicycles whenever possible, promoting fitness, reducing pollution, and supporting a greener future.

KARGIL VIJAY DIWAS - 2026



Kargil Vijay Diwas was commemorated by SVIT NCC cadets with a solemn march and Shok Shastra ceremony to honour the brave soldiers who sacrificed their lives. The event concluded with a group photograph and Josh Push-ups, showcasing unity, discipline, strength, and teamwork.



NCC Activities





Placement Activities



Various placement activities were conducted to enhance students' employability skills and prepare them for campus recruitment drives. Training sessions on aptitude, technical skills, coding, resume building, group discussions, and interview preparation were organized to boost students' confidence and placement readiness. These initiatives helped students improve their performance and secure placement opportunities in reputed companies.



REFRESHER COURSE FOR 7TH SEMESTER FOR 2 WEEKS:

A Two-Week Refresher Course for 7th Semester students was conducted from 13th to 24th July 2026 to strengthen technical and problem-solving skills. The course covered Data Structures, Analysis and Design of Algorithms, UNIX System Programming, and Operating Systems, with a focus on placement-oriented coding, case studies, and industry-relevant problem-solving. The program enhanced students' coding skills, analytical thinking, and interview readiness.



Placement Activities



NAME OF THE STUDENT	USN	BRANCH	NAME OF COMPANY	CTC
LIKHITHA M	1VA22IS049	ISE	Scaler AI Labs	35000 PM
AYUSH KUMAR RAI	1VA22CI011	CSE (AI&ML)	Scaler AI Labs	35000 PM
VARSHA H N	1VA22EC109	ECE	ENVITEST LABORATORIES PVT LTD	3 LPA
VINAYAK TUKARAM KONKATI	1VA22EC119	ECE	ENVITEST LABORATORIES PVT LTD	3 LPA



+91-80-28468191/96/98



info@saividya.ac.in



www.saividya.ac.in



Rajanukunte, Yelahanka, Bangalore

