



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

ACCREDITED WITH GRADE "A++" BY NAAC
CATEGORY - 1 UNIVERSITY BY UGC

Student Development Cell Tech Talk Series 2026-2027

As part of the Student Development Cell (SDC) initiatives, a series of Tech Talk sessions has been organised from 13.07.2026 to 17.07.2026

S.No	Title of the Talk	Resource Person	Date	Time	Department (II years)
1	Design thinking	Dr.Bharathi B, Director – Academics, Accreditations & Quality Assurance	13.7.26	10.00 A.M to 11.00 A.M	CSE & IT
2	Data Structures Behind Social Media Platforms	Dr. P Ranjana, Professor-CSE	13.7.26	11.15 A.M to 12.15 P.M	ECE
3	From Sensors to Solutions - Bridging the Physical and Digital World	Dr.D.Susitra, Prof. & Dean Higher Studies	14.7.26	10.00 A.M to 11.00 A.M	Biotech & Biomed
4	Emerging Technologies: Shaping the Future	Dr. C. Rameshkumar, Associate Professor- Dept.of Physics	14.7.26	11.15 A.M to 12.15 P.M	CSE Specialisation
5	Climate Analysis using the Climate Consultant Tool	S.Kavitha, Assistant Professor-Dept.of Architecture	15.7.26	10.00 A.M to 11.00 A.M	Civil & Architecture
6	Beyond shattered pottery - the pieces of Keezhadi	Ramkumar, Assistant Professor- Dept.of Architecture	15.7.26	11.15 A.M to 12.15 P.M	Mechanical
7	Application of GraphTheory in Enginnering	Dr.J.Jayapriya Assistant Professor- Dept.of Mathematics	16.7.26	10.00 A.M to 11.00 A.M	EEE & ECE
8	Beyond Smart Homes: How AI- Powered IoT is	Dr.R.Rajalakshmi, Associate Professor- CSE	16.7.26	11.15 A.M to 12.15 P.M	Mechatronics & Aero
9	A Tech Talk on Concept to Code: Unraveling Your	Ms. Lekshmi S Raveendran, Assistant Professor-CSE	17.7.26	10.00 A.M to 11.00 A.M	EEE
10	Co2e Reduction Initiatives	Dr.Dawn S S, Professor (Research) / Centre for Waste Management	17.7.26	11.15 A.M to 12.15 P.M	Chemical & Architecture



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Day 1- 13.0.7.2026

Design Thinking - Highlighted the principles of design thinking, creativity, problem-solving, and user-centric innovation.

Data Structures Behind Social Platforms - Students gained insights into the role of algorithms and efficient data management in real-world applications.

Students from CSE, IT and ECE departments have attended the sessions.



Day 2 - 14.7.2026

Sensors to Solutions – Bridging the Physical and Digital World through IoT Innovations - Students gained an understanding of real-time data acquisition and intelligent system applications.

Emerging Technologies – Shaping the Future of Society and Career - The talk provided an overview of cutting-edge technologies transforming industries and society.

Students from the Biotechnology, Biomedical, and Mechatronics departments attended the sessions.



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Student Development Cell Tech Talk Events - 2026-2027

Day 3 - 15.07.2026

Graph Theory in Engineering - The Students explored the fundamentals of graph theory, its diverse engineering applications and how mathematical concepts solve complex real-world engineering problems.

Beyond Shattered Pottery – The Pieces of Keezhadi-The talk showcased the archaeological significance of the Keezhadi excavation and its contribution to understanding ancient Tamil civilization.

The students from the Mechanical, Architecture, and Civil Engineering departments have attended the session.



Day 4 - 16.07.2026

Climate Analysis Using the Climate Consultant Tool - Session demonstrated the use of the Climate Consultant tool for analyzing environmental and climatic data. Students learned its applications in sustainable and climate-responsive design.

Beyond Smart Homes: How AI-Powered IoT is Building Invisible Cities - integration of Artificial Intelligence and IoT in developing smart, connected urban environments are explored.

Students from the Electronics and Communication Engineering (ECE), Electrical and Electronics Engineering (EEE), Mechatronics, and Aeronautical Engineering departments.



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Student Development Cell Tech Talk Events - 2026-2027

Day 5- 17.07.2026

Concept to Code: Unraveling Your First Neural Network - introduced the fundamentals of neural networks and their implementation in artificial intelligence. Students learned the basic concepts behind machine learning models

CO₂e Reduction Initiatives. - focused on strategies for reducing carbon emissions and promoting sustainable environmental practices.

Students from the EEE and Chemical Engineering departments have actively participated in the sessions



Tech Talk Series successfully fostered interdisciplinary learning by enabling students to explore emerging technologies and innovations beyond their core disciplines.