

COMP SCI BYTES

Biannual Technical Magazine

DEPARTMENTAL ACTIVITIES:

1. Organized an International Webinar on *Quantum Computing Fundamentals*.
2. Conducted a hands-on workshop on *Full-Stack Development with React and Node.js*.
3. Hosted the annual event **CodeNova 2024**, where 45 teams presented mini-projects.

GUEST LECTURES – DELIVERED BY THE FACULTY:

- Dr. Harini delivered a masterclass on *AI-Based Image Segmentation* at BITS Pilani.
- Prof. Deepak conducted an expert session on *Blockchain Smart Contracts*.

GUEST LECTURE/S – INVITED:

- Mr. Arjun Raman (Google) presented a talk on *LLM Deployment in Production Environments*.
- Dr. Nivedita (IIT Madras) delivered a lecture on *Efficient Reinforcement Learning Models*.

FACULTY PUBLICATIONS IN (NATIONAL / INTERNATIONAL) JOURNALS:

Sl. No	Title of Publication	Journal Details	Faculty Name
1	Adaptive Spiking Neural Models	Nature Applied Sciences	Dr. Harini
2	Real-Time Big Data Analytics Pipeline	IEEE Access, 2024	Prof. Naveen
3	Distributed Computing for Smart Sensors	Elsevier IoT Journal	Dr. Varun

FACULTY PUBLICATIONS IN (NATIONAL / INTERNATIONAL) CONFERENCES:

Sl. No	Title	Conference	Faculty Name
1	Efficient Model Pruning Techniques	ACM CoNEXT 2024	Prof. Priya
2	AI-Driven Route Optimization	IEEE ICRA 2024	Dr. Manoj

FACULTY ACHIEVEMENTS:

- Prof. Leena received the **Innovative Teacher Award 2024**.
- Dr. Naveen appointed as Reviewer for **IEEE Transactions on AI**.

FUNDED PROJECTS:

Project Title	Funding Agency	Amount	Faculty PI
AI-Powered Skin Cancer Detection	ICMR	₹8,50,000	Dr. Harini
Indoor Navigation for Visually Impaired	DST	₹5,80,000	Prof. Raman

PATENTS:

Patent Title	Status	Application Number
Smart Garbage Segregation System	Filed	2024/008921
Real-Time Gesture Authentication	Published	2024/006743

STUDENT PUBLICATIONS:

Sl. No	USN	Name	Publication Details
1	1RT21CS020	Meghana S	“AI Tutor for Personalized Learning,” IJCTET 2024
2	1RT21CS089	Arvind M	“Low-Cost Robotics Arm Control,” IEEE ICMA 2024
3	1RT20CS033	Kavya H	“Face Mask Detection System,” Springer CCIS

STUDENT ACHIEVEMENTS:

Co-curricular Activities

Sl. No	Name of Student	USN	Sem	Activity	Award/Honor	Level
1	Charan R	1RT21CS057	6	AI Art Competition	Winner	VTU
2	Nisha K	1RT20CS111	7	Ethical Hacking Contest	Runner-Up	National

Extra-curricular Activities

Sl. No	Name of Student	USN	Sem	Activity	Award/Honor	Level
1	Aditya P	1RT21CS099	6	Table Tennis	Gold Medal	State
2	Swetha V	1RT20CS090	7	Short Film Making	Best Creative Award	VTU

PLACEMENT AND HIGHER STUDIES RECORD:

Placement Details

Program	Total Students	Registered	Placed	Percentage	Min/Max Package
UG	170	160	144	90%	₹4 LPA / ₹21 LPA
PG	18	16	12	75%	₹5 LPA / ₹14 LPA

Higher Studies

Sl. No	Name	USN	PG/PhD	University	Place
1	Shruti M	1RT21CS007	MS	University of Melbourne	Australia
2	Pranav S	1RT20CS058	M.Tech	NIT Trichy	India

TECHNICAL ARTICLES:



Quantum Computing: Breaking the Barriers of Classical Computation

Quantum computing leverages qubits to perform large-scale computation at unprecedented speeds.

This technology is expected to revolutionize cryptography, drug discovery, optimization, and scientific simulations.

Although still in early stages, its potential impact makes it one of the most promising computing paradigms of the decade.