



Department of Robotics and Automation

Report on Technical Talk - “Data Networks- The digital backbone of modern automation ”- 2025-26

1. Type Event : Guest Lecture
2. Name & designation of the resource person : Dr. Vani S Badiger,
Asst. Professor, Dept. of ECE, RRCE
3. Date of event : 10th November 2025
4. Time : 10:00 AM to 11:30 PM
5. Program Coordinator : Prof. Manasa G
Assistant Professor,
Department of Robotics and Automation,
Rajarajeswari College of Engineering,
Bengaluru-560074.
6. Semester : 5th & 7th Semester Robotics and Automation
7. Summary of Programme :

The session covered-

- Evolution from traditional industrial networks to modern, digitized architectures enabling seamless connectivity and integration.
- Transition from isolated control systems to interconnected data-driven industrial ecosystems.
- Interconnection of machines, sensors, and controllers through advanced data networks for real-time communication.
- Importance of high-speed, reliable, and secure data transmission for efficient automation and process control.
- Integration of Industrial Internet of Things (IIoT), cloud computing, and edge analytics to enhance decision-making.
- Future scope includes AI-driven networks, 5G/6G connectivity, and smart factories enabling fully autonomous operations.



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Rajarajeswari College of Engineering
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Department of Robotics and Automation



**Welcoming the gathering by Dr. Karthikeyan M, Professor & Deputy CoE-
R&A**



**Presenting the token of gratitude to Dr. Vani S Badiger, by
Dr. Karthikeyan M, Professor & Deputy CoE, Coordinator Prof. Manasa G and
Dr Radhakrishna R K, Associate Professor & Dean IQAC**

Campus: #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru – 560074

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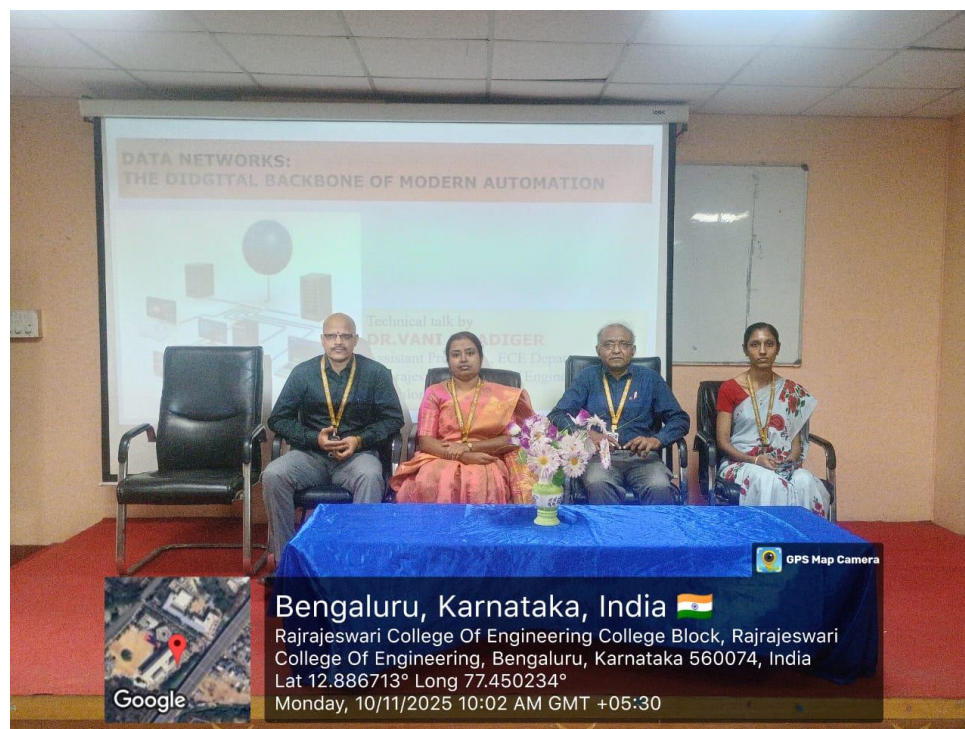
Website: <https://www.rrce.org>



Department of Robotics and Automation



**Ms. Pooja Sharma, 5th sem R&A student introduces the resource person
Dr. Vani S Badiger**



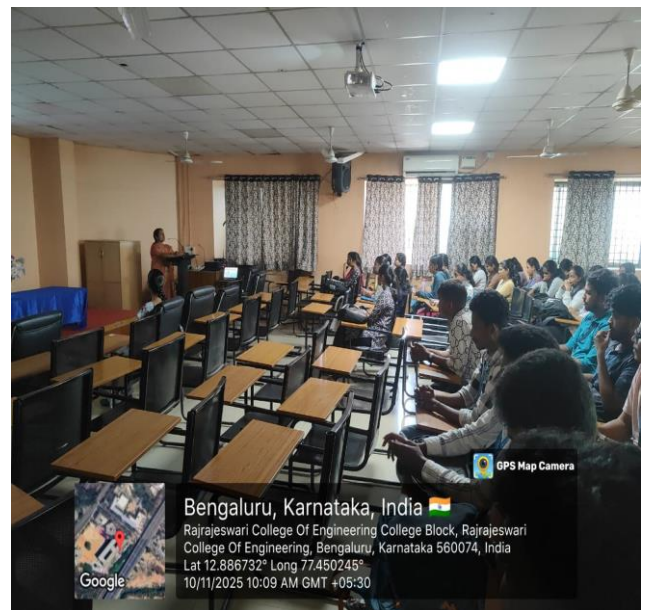
Faculties of R & A, with resource person, Dr. Vani S Badiger



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Lecture & interaction with students by resource person Dr. Vani S Badiger

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Department of Robotics and Automation

Attendance

Date: 10/11/2025

Type of Event :	Guest Lecture on "Data Network- The Digital Backbone of Modern Automation"
Chief Guest :	Dr. Vani S Badiger, Assistant Professor, Dept. of ECE. RRCE

Sl. No	USN	Name	Signature
1.	1RR22RA001	Abhishek A K	— AB —
2.	1RR22RA015	Mounesh R	— AB —
3.	1RR23RA001	Akanksha Singh	Akanksha
4.	1RR23RA002	Akash Kumar	Akash
5.	1RR23RA003	Akshaya P	Akshaya
6.	1RR23RA004	Appu M	— AB —
7.	1RR23RA005	Arjun S	Arjun S
8.	1RR23RA006	Asha Shivaraddi Mulimani	Asha
9.	1RR23RA007	Balaji A	Balaji A
10.	1RR23RA008	Bhagyashree S S Naidu	Bhagyashree
11.	1RR23RA009	Bhargavi J	Bhargavi
12.	1RR23RA010	Bhavana M	Bhavana M
13.	1RR23RA011	Bhoomika P Saraganachari	Bhoomika
14.	1RR23RA012	Darshan S	— AB —
15.	1RR23RA013	Deekshitha C S	Deekshitha
16.	1RR23RA014	Ektha M N	Ektha M N
17.	1RR23RA015	Eshwar Sai K	Eshwar
18.	1RR23RA016	Harindranath N A	— AB —
19.	1RR23RA017	K Keerthiraj	— AB —
20.	1RR23RA018	Kavya M K	Kavya
21.	1RR23RA019	Keerthana S	Keerthana S
22.	1RR23RA020	Krishna Murari	Krishna
23.	1RR23RA021	Mohith K S	Mohith
24.	1RR23RA024	Neyna Sunil	Neyna
25.	1RR23RA025	Niyamath Ulla	— AB —



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26.	1RR23RA026	P Nithesh Kumar	
27.	1RR23RA027	Pooja Sharma	
28.	1RR23RA028	Rahul P Menon	
29.	1RR23RA029	Rakshith Veeresh Goudar	
30.	1RR23RA030	Rishika Rajiv Shetty	
31.	1RR23RA031	Sameer Magi	
32.	1RR23RA032	Sanjana G	
33.	1RR23RA033	Sharath Rao B	
34.	1RR23RA034	Shreyaa B V	
35.	1RR23RA035	Soujanya Manjunath Bhovi	
36.	1RR23RA036	Thanmay R	
37.	1RR23RA037	Thanushree R	
38.	1RR23RA038	Thrisha G N	
39.	1RR23RA040	Vinayakumar B Tondihal	
40.	1RR23RA041	Y Ganashree	
41.	1RR23RA042	Yashwanth Y R	
42.	1RR24RA400	Kushal T S	
43.	1RR24RA401	Sreedhar H	
44.	1RR24RA402	Venkatesh C L	

Manasa G
Coordinator w/u

Satish
HoD 11/11/2023
Professor & Head

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Department of Robotics and Automation

Organizing a Guest Lecture on

'Data Networks: The Digital Backbone of Modern Automation'



Resource person:

Dr. Vani S Badiger

Assistant Professor

Dept. of ECE

RRCE, Bengaluru

Date: 10-11-2025

Timings - 9:00 AM - 12:00 PM

Venue - Aryabhatta Seminar Hall

Coordinator

Mrs. Manasa G, Asst. Professor

Dr. Satheesha V

HoD - R & A

Dr. R. Balakrishna

Principal

Contact Us



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