

CHEIF PATRONS

Dr Palla Rajeshwar Reddy
Secretary and Correspondent, VJES
Mrs. S. Neelima
Joint Secretary, VJES

PATRON

Dr A Srujana
Principal, VJIT

CO-ORDINATOR

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Professor & HoD-ECE, VJIT

CO-COORDINATOR

Dr A Laxman
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ADVISOR

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Professor, Dept of ECE, VJIT

ORGANIZING COMMITTEE

Dr S Thulasi Prasad, Professor, Dept. of ECE

Dr M Vadivel, Professor, Dept. of ECE

Dr Maznu Shaik, Assc. Prof., Dept. of ECE

Mr G Sreenivasa Rao, Asst. Prof., Dept. of ECE

Mrs CHSN Sirisha Devi, Asst. Prof., Dept. of ECE

Mr Md Akram Ahmed, Asst. Prof., Dept. of ECE

ELIGIBILITY

The faculty members, Research scholars & PG Scholars of the AICTE approved institutions and Industry Personnel

GUIDELINES

- The certificates shall be issued to those participants who are registered on ATAL portal www.aicte-india.org/atal
- Should attend the program with minimum 80% attendance and score minimum 70% marks in the test.

REGISTRATION DETAILS:

Registration fee: Nil

Link for the registration: Participants are requested to register compulsorily in the following link. <https://atalacademy.aicte.gov.in/login>

ABOUT THE FDP

This Faculty Development Program (FDP) on V2X (Vehicle-to-Everything) to equip participants with the latest advancements in intelligent transportation systems, communication technologies, and the evolving landscape of Beyond 5G (B5G) networks. As V2X plays a pivotal role in autonomous driving, traffic safety, and smart mobility, faculty must be well-versed in these interdisciplinary domains. This FDP will bridge the gap between academia and industry, fostering research, innovation, and curriculum development aligned with future mobility trends. It also enhances the teaching community's ability to mentor students and collaborate on projects in cutting-edge vehicular communication systems.



Aziz Nagar Gate, C.B. Post
Hyderabad-500 075
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AICTE TRAINING AND LEARNING (ATAL) ACADEMY

**One week Online Faculty
Development Program
On**

**V2X beyond 5G – Trends,
Technologies & Future Directions**

**10th to 15th November 2025
6:00 pm to 9:30 pm**

Organized by

**Department of Electronics and
Communication Engineering**

ABOUT THE COLLEGE:

Vidya Jyothi Institute of Technology (VJIT) was established in year 1998 to foster the scientific temper in promoting the world class professional and technical expertise. VJIT is an opulent green campus with built up area of 22000 sqm and ranked in NIRF in the band 100-200 and 200-300 in the year 2023 and 2024 respectively. It offers B. Tech, M Tech and MBA with total intake of 1554. VJIT is one among the most preferred institution by prospective students. It offers UG programs in CE, ME, EEE, ECE, CSE, IT, CSE(AI ML) and CSE(DS). Programs CE, ME, CSE, ECE, IT and EEE are accredited by NBA under Tier-I and the institution is accredited by NAAC with A+ grade. The institution has 305 well qualified and dedicated faculty with more than 30 % faculty with doctoral degree. It has three JNTUH recognized research centers. Good number of research projects are in progress granted by DST and DRDO and other funding agencies amounting more than 2 crores. VJIT has signed MoU with Qlik to establish Center of Excellence in Data Analytics. Number of Professional bodies like IEEE, ISTE, IETE and CSI are active in conducting various professional activities and makes the campus vibrant in terms of teaching, research, co and extracurricular activities.



ABOUT THE DEPARTMENT:

The department of Electronics and Communication was established in the year 1998 from the inception of the college, with initial intake of 60 and it has been increased to 240 and offers M. Tech (ES) with an intake of 24. The department has well equipped laboratories that help to nurture the young minds and transform them into aspiring technologists to contribute the welfare of the society. The department has well qualified and experienced dynamic faculty who are good at teaching, research and innovation. Further the department has research labs like NI lab view, PSOC semiconductor lab, and Antennas Lab. Good number of professional activities is being conducted by the department under ISTE, IETE and IEEE.

TOPICS TO BE COVERED

- Introduction to V2X and 5G eco system
Modes of V2X: V2V, V2I, V2N, V2P.
- C-V2X Standards and Spectrum DSRC vs C-V2X, Indian regulations
- Direction of Arrival (DOA) Estimation in V2X environment using Neural Network Framework.
- Simulation Frameworks for V2X: NS-3
- Security and Over-the-Air (OTA) Updates in V2X
- Risk mitigation, software patching
- V2X and ITS in Smart Cities
- Integration with urban mobility systems
- 6G and Future Directions in V2X Terahertz, holographic MIMO, intelligent surfaces

RESOURCE PERSONS:

Resource persons are drawn from IITs, NITs, defense labs and other industries working in the field of V2X communication.

Dr. Abhinav Kumar, Professor, Department of EE, IIT Hyderabad	
Dr. L Anjaneyulu, Professor, Department of ECE, NIT Warangal	
Dr. V Venkata Mani, Professor, Department of ECE, NIT Warangal	
Dr. Abhishek Gupta, Associate Professor, Dept. of EE, IIT Kanpur	
Mr. A Satya Sekhar, CEO, Right Brain Mate consulting, Hyderabad	
Dr. Puli Kishore Kumar, Asst. Prof. Dept. of ECE, NIT Andhra Pradesh	

CONTACT INFORMATION:

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