

A Report on Industrial Visit to "Door Darshan Kendra (DDK), Tirupati" Organized by Department of Electronics & Communication Engineering on 27.08.2026



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Mode of Conduct: Offline

The Department of Electronics and Communication Engineering (ECE), organized an Industrial Visit to Doordarshan Kendra (DDK), Tirupati for the III B.Tech ECE students on 27th August 2026. The visit was coordinated by Mr. G. Charan Kumar, Assistant Professor, Department of ECE, with the objective of providing students with practical exposure to broadcasting and communication technologies.

The industrial visit commenced with a warm welcome by the officials of Doordarshan Kendra, Tirupati. The students were introduced to the history, organizational structure, and the significant role of Doordarshan in public broadcasting across India. The experts explained the complete television broadcasting process, from content creation and production to transmission and reception.



During the visit, the students explored various technical facilities, including the **television studio, production control room (PCR), master control room (MCR), audio recording studio, editing suites, and transmission section**. The technical team demonstrated the operation of professional cameras, studio lighting systems, microphones, audio mixers, video switchers,

teleprompters, and digital video editing software. Students also observed how live and recorded programs are produced and broadcast to viewers.

The engineers at Doordarshan provided detailed insights into digital television broadcasting, satellite communication, signal compression, modulation techniques, and terrestrial transmission systems. They explained the importance of synchronization, signal quality, and network reliability in ensuring uninterrupted broadcasting services. Students also learned about the transition from analog to digital broadcasting and the technologies adopted for modern television transmission.

An interactive session was conducted where students actively engaged with the engineers by asking questions related to career opportunities in broadcasting, communication engineering, media technology, and government organizations. The experts encouraged students to strengthen their technical knowledge and practical skills to excel in the electronics and communication industry.

The industrial visit offered valuable hands-on exposure by connecting theoretical concepts learned in the classroom with real-world broadcasting systems. It enhanced the students' understanding of communication technologies, digital broadcasting infrastructure, signal processing, and media production workflows.

The Department of ECE expresses its sincere gratitude to the officials and technical staff of **Doordarshan Kendra (DDK), Tirupati** for their warm hospitality, technical demonstrations, and valuable guidance. The department also appreciates the efforts of **Mr. G. Charan Kumar, Assistant Professor, Department of ECE**, for successfully coordinating the industrial visit, making it an enriching learning experience for the III B.Tech ECE students.

Vote of Thanks

On behalf of the Department of Electronics and Communication Engineering, we express our heartfelt gratitude to the Management of **MITS Deemed to be University** for their constant encouragement and support in organizing the Industrial Visit to **Doordarshan Kendra (DDK), Tirupati** for the III B.Tech ECE-E students on 27 August 2026.

We sincerely thank **Dr. C. Yuvaraj (I/c), Vice Chancellor**, for his visionary leadership and continuous motivation in promoting industry-oriented learning experiences for students.

We extend our sincere gratitude to **Dr. P. Pradeep Kumar, Registrar**, for his administrative support and encouragement in facilitating academic and industrial activities.

We express our heartfelt thanks to **Dr. P. Dipankar Roy, Dean, School of Engineering**, for his valuable guidance and encouragement in enhancing practical learning through industrial exposure.

Our sincere appreciation goes to **Dr. P. Ramanathan, Principal**, for his unwavering support and for providing the opportunity to organize this educational visit.

We are deeply grateful to **Dr. Sanjay Kumar C. Gowre, Professor and Head, Department of Electronics and Communication Engineering**, for his constant guidance, motivation, and support in making this industrial visit a meaningful and successful learning experience.

We also extend our sincere thanks to the officials and technical staff of **Doordarshan Kendra (DDK), Tirupati**, for their warm hospitality, insightful technical demonstrations, and interactive sessions that greatly enriched the students' understanding of broadcasting and communication technologies.

Finally, we appreciate the enthusiastic participation and disciplined conduct of the III B.Tech ECE students, whose active involvement contributed to the success of the industrial visit.