

ABOUT THE INSTITUTION

G. Pulla Reddy Engineering College is the brainchild of late Sri G. Pulla Reddy, the renowned philanthropist. The college is one of the best engineering colleges in Andhra Pradesh and successfully completed 42 years with academic excellence. The college has the permanent affiliation to Jawaharlal Nehru Technological University Anantapur, Ananthapuramu, and is approved by All India Council for Technical Education (AICTE), New Delhi and accredited by NBA of AICTE and NAAC of UGC, New Delhi. The college has been granted AUTONOMOUS status by University Grants Commission, New Delhi, with effect from the academic year 2006-2007. Since the college has obtained A+ grade, it is granted Autonomous status for 10 years straight away. The College offers 5 UG programs, 5 PG programs, and Ph.D. programs in all branches of Engineering.

ABOUT THE DEPARTMENT

The Civil Engineering Department is one of the three departments with which the college was established in 1984-85. The Department offers a B.Tech. program with a current intake of 120 students and an M.Tech. program with specialization in Structural Engineering. It has a team of qualified and experienced faculty members with expertise in various areas of Civil Engineering. The Department is committed to academic excellence and sustained growth, providing students with quality education and an environment that supports intellectual and professional development. It also provides consultancy services in areas such as soil and material testing, structural design, water quality etc.

The Department regularly organizes workshops, conferences, and technical programs to promote awareness of emerging technologies, computational tools, and innovative solutions in Civil Engineering.

ABOUT ATAL ACADEMY

AICTE Training and Learning (ATAL) Academy is established with the vision "To empower faculty to achieve goals of Higher Education such as access, equity and quality". AICTE is committed to the development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Human Resource Development. Council understands that there is a need to train the young generation in the skill sector and have faculty & technicians be trained in their respective disciplines.

ABOUT FDP

Transportation infrastructure is being transformed by Artificial Intelligence (AI), Machine Learning (ML), Deep Learning, Computer Vision, and advanced pavement technologies, enabling efficient pavement design, evaluation, maintenance, and sustainable development. This Faculty Development Programme (FDP) aims to provide participants with knowledge of modern pavement engineering and AI applications, covering non-destructive testing (NDT), flexible pavement design as per IRC:37-2018, AI-based pavement distress detection, life-cycle cost analysis, HDM-4 economic evaluation, climate-resilient road technologies, and research opportunities in AI and ML. Hands-on training using modern software and AI tools will enable participants to apply these techniques in teaching, research, consultancy, and professional practice.



AICTE Training and Learning (ATAL) Academy Sponsored Program



A Six-Day Online Faculty Development Program on

Intelligent Pavement Materials and AI-Based Pavement Design for Sustainable Transportation Infrastructure

02nd to 07th November 2026



Organized by
Civil Engineering Department
G. Pulla Reddy Engineering College
(Autonomous)
Kurnool-518007, Andhra Pradesh, India.

COORDINATORS

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CHIEF PATRON

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Chairman, GPREC, Kurnool

PATRON

Dr. B. Sreenivasa Reddy

Principal, GPREC, Kurnool

CHAIRMAN

Dr. K. Chinnapa Reddy

Prof. & Head of CED, GPREC, Kurnool

ELIGIBILITY FOR ATTENDING FDP

Faculty members of the AICTE approved institutions / Ph.D. Scholars / PG students / Industry professionals.

REQUIREMENT TO GET CERTIFICATE

The certificates shall be issued to those participants who are registered on ATAL portal and attend the program with minimum 80% attendance and score minimum 70% marks in the test.

REGISTRATION INFORMATION

- **There is no registration fee.**
- **Last date to apply: 31/10/2026**

REGISTRATION PROCESS

- Click on <https://atalacademy.aicte.gov.in/login>
- Login with your Credentials
- Click on FDPs on Left Side
- Select ATAL Online for November Month and search (ctrl+f) with application ID: 1786603250
- Click on + symbol
- Upload NOC signed by Head of the Institute
- Click Confirm

OUTCOME OF THE PROGRAM

- Apply IRC:37-2018, HDM4, and sustainable construction methods for modern pavement analysis and design.
- Evaluate highway and airport pavement conditions using advanced non-destructive testing (NDT) techniques.
- Develop AI-, ML-, and CNN-based models for pavement distress detection, performance prediction, and maintenance planning.
- Bio-based, climate-resilient pavement materials and integrate AI into pavement management systems.
- Apply modern software and research skills in teaching, consultancy, and scholarly publications to promote smart and sustainable transportation infrastructure.

ADVISORY COMMITTEE

Dr. B. J. S. Varaprasad, Professor of CED
Dr. T. Chandra Sekhara Reddy, Professor of CED
Dr. K. V. S. G. Krishna Sastry, Professor of CED
Dr. J. V. Gurumurthy, Professor of CED
Dr. E. Sanjeevarayudu, Associate Professor of CED
Dr. M. Deepak, Associate Professor of CED

RESOURCE PERSONS

Prof. S. Shankar

Civil Engineering Department,
NIT Warangal.



Prof. Pahirangan Sivapatham

University of Wuppertal School of
Architecture and Civil Engineering,
Germany



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School of Civil Engineering
Aristotle University of Thessaloniki,
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Coact Solutions Pvt. Ltd.
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