

## **Annamacharya Institute of Technology and Sciences** (An Autonomous Institution)

New Boyanapalli, Rajampet-516126 Kadapa (Dt), Andhra Pradesh.  
Approved by AICTE, New-Delhi, Affiliated to J.N.T.U.A, Ananthapuramu  
Accredited by NBA (CSE, ECE,EEE) & NAAC with A Grade

### **Department of Civil Engineering**



## **About Us:**

Annamacharya Institute of Technology & Sciences, Rajampet is an AUTONOMOUS institution and is affiliated to JNTUA, Anantapuramu. The institute was started in the year 1998 under the auspices of Annamacharya Educational Trust in picturesque surrounding on a spacious 30 acre campus near Tallapaka, the birth place of Annamacharya, the renowned saint poet.

## **Our Vision:**

We impart futuristic technical education and instill high patterns of discipline through our dedicated staff who set global standards, making our students technologically superior and ethically strong, who in turn shall improve the quality of life of the human race.

## **Our Mission:**

Our mission is to educate students from the local and rural areas, and from other states so that they become enlightened individuals, improving the living standards of their families, industry and society. we provide individual attention, world-class quality of Technical education and take care of character building.

## **Civil Engineering**

### **Vision:**

The Department of Civil engineering strives to help its graduates to become technically sound and ethically strong engineers and to be recognized as one of the best Civil Engineering program's in the country through its pursuit of excellence in teaching, research and service activities, besides imparting basic knowledge.

### **Mission:**

The mission of AITS's Department of Civil Engineering is:

To impart training to the students in order to make themselves suitable for the changing technologies in Civil Engineering field.

To provide an environment which inspires the students to enhance their analytical thinking and creativity to solve the problems of rural public and problems of the world related to Civil Engineering.

To nurture leadership and team work in the students so as to make them good leaders, entrepreneurs and responsible citizens.

### **Programme Educational Objectives:**

The following Program Educational Objectives are consistent with the College and Department Missions. Graduates of our Civil Engineering program are expected within a four years of graduation to have:

S. No.	Programme Educational Objectives
PEO1	To apply a broad, fundamental-based knowledge and up-to-date skills required in performing professional work in Civil Engineering and related disciplines.
PEO2	To design the works pertaining to Civil Engineering, incorporating the use of design standards, realistic constraints and consideration of the economic, environmental, and social impact of the design.
PEO3	To use modern computer software tools to solve Civil Engineering problems and explain and defend their solutions and communicate effectively using graphic, verbal and written techniques to all audiences
PEO4	To demonstrate their ability to deal effectively with ethical and professional issues, taking into account the broader societal implications of Civil Engineering.

## Programme Outcomes:

S.No. Program Outcomes

PO1 Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2 Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4 Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO11 Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO12 Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

### **ABOUT THE DEPARTMENT**

In the year 2012, the Civil Engineering department was formed. The department, which is one of the Institute's key engineering departments, has expanded enormously and is now acknowledged as one of the major engineering departments. Undergraduate civil engineering program contain not just civil engineering studies, but also value education, industrial training, placement training, and computer training, all of which are required to be a successful civil engineer in today's world. The department provides field and technical visits for scholars to get practical experience. The department also provides a postgraduate degree in structural engineering, which includes both core and elective courses (inter and intra department). Students can obtain practical experience through summer internships.

Teaching, Student activities, Research, and Consultation works are all priorities for the department. Faculty members in the department are highly qualified and experienced. In addition to the institute's primary library, the department has smart classrooms, counselling room, and its own library. Structural Engineering, Geotechnical Engineering, Environmental Engineering, Water Resources Engineering, Transportation Engineering, and other fields are covered by the faculty. Faculty members contribute to academic advancement through research publications and giving presentations at International and National conferences. The labs are well- equipped with cutting-edge technology.

### **From the HOD's Desk**

Welcome to the Department of Civil Engineering!

You've come to the correct spot if you're seeking for a well-balanced and innovative teaching-learning environment in Civil Engineering. The Civil Engineering Department aspires to be a leader in teaching, learning, and professional development. To complement our academic program, we are fortunate to brag state-of-the-art laboratories and devoted academic and technical staff. Our department and its knowledgeable faculty provide practice-based education, equipping our students for a rewarding and successful profession. Needless to mention, almost 30% of our students from the last two graduating classes were placed in My Homes as well as for higher education, demonstrating our academic superiority. Our graduates are especially well prepared for demanding employment, big project management, and being on the front lines.

So, why wait? Come and join us now and build the Nation!

### **ABOUT NEWS LETTER**

I am glad in publishing the Departmental Newsletter "NIRMAN" for the academic year 2021 (Month: January - June). This newsletter exhibits the Conference, Workshops, Seminars, Events, Student Achievements and Faculty Achievements. It is great to find a considerable number of lectures and workshops helpful in sharing innovative ideas and knowledge. We do additional mentorship to our students through innovative technical sessions and seminar over the coming years. I thank all the faculty members and students for making this semester eventful in various aspects. I congratulate the team members in bringing this newsletter successfully.

### **Advisor Committee**

#### **Advisor and Editor-in- chief**

Dr. T. Naresh Kumar, Associate Professor and Head

Associate Editor

Mr. K. Vishnu Vardhan, Assistant Professor

Committee Member

Dr. D. Sreenivasulu, Associate Professor

Students Coordinators

P. Siva kishore, H.T NO: 20701A0189

A. Sharan Reddy, H.T NO: 20701A0185

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## PLACEMENTS



- P. Naveen ,19705A0136 got placed in Wipro with 3.75 LPA
- G. Sujith Kumar ,19705A0156 got placed in Wipro with 3.75 LPA
- S. Dada Khalandar,19705A0110 got placed in Wipro with 3.75 LPA
- K. Raghunath Reddy ,18701A0148 got placed in Wipro with 3.75 LPA



- M. Avinash Reddy ,19705A0103 got placed in TCS with 3.5 LPA
- M.Sai vinod ,18701A0126 got placed in TCS with 3.5 LPA





- M. Praveen Kumar Reddy,18701A0146 got placed in PRACTO with 6.28 LPA
- S. Vishnu Priya , 18701A0174 got placed in PRACTO with 6.28 LPA



- M. Praveen Kumar Reddy,18701A0146 got placed in SKOLAR with 5 LPA

## FACULTY ACHIEVEMENTS:

### FDP'S ATTENDED:

- Dr. D. Gouse Peera Associate Professor in Dept. of CE has attended a 5 days online FDP on "Advances in Water Resources Engineering And Irrigation Management" From SSN College of Engineering, KALAVAKKAM from 03-01-2022 to 08-01-2022
- Dr. D. Sreenivasulu Associate Professor in Dept. of CE has attended a 5 days online FDP on "Faculty Development Programme on the Ecological and Eco-efficient Construction Practices (EECP- 2022)" From Department of Civil Engineering Swami Keshvanand Institute of TechInternationallogy, Management& Gramothan, Jaipur from 17-01-2022 to 22-01-2022
- Dr. D. Gouse Peera Associate Professor in Dept. of CE has attended a 6 days online FDP on "Battery Energy Storage System and its Management" From Trinity College of Engineering and Research, Pune from 20-01-2022 to 26-01-2022
- Dr. D. Gouse Peera Associate Professor in Dept. of CE has attended a 5 days online FDP on "Materials For Sustainability of Transportation Infrastructure" From Vivekananda Institute of TechInternationallogy, Jaipur from 01-02-2022 to 05-02-2022
- Dr. D. Sreenivasulu Associate Professor in Dept. of CE has attended a 5 days online FDP on "Materials For Sustainability of Transportation Infrastructure (MSTI-2022)" . From Vivekananda Institute of Tech Internationallogy, Jaipur from 01-02-2022 to 05-02-2022
- Dr. T. Naresh Kumar Associate Professor HOD of CE has attended a 5 days online FDP on "Revolutionizing Industrial Digital Transformation Through Connected TechInternationallogies" . From CSIR Sponsored Five-Day NationalLevel Workshop. from 28-02-2022 to 04-03-2022

- Dr. T. Naresh Kumar Associate Professor HOD of CE has attended a 6 days online FDP on "Recent and Emerging Trends in Structural Engineering " . From Department of Civil Engineering, Bansal Institute of Engineering and TechInternationallogy, LuckInternationallw . from 28-02-2022 to 05-03-2022.
- Dr. T. Naresh Kumar Associate Professor HOD of CE has attended a 5 days online FDP on "Artificial Intelligence and Big Data Analysis for Electrical Engineering (in Collaboration with MathWorks) through ICT" . From Annamacharya Institute of TechInternationallogy & Sciences, Rajampet (AndhraPradesh) . from 07-03-2022 to 12-03-2022.
- Dr. D. Gouse Peera Associate Professor in Dept. of CE has attended a 5 days online FDP on "Case in Geotechnical Engineering" From Presidency Univeristy, Bangalore , from 14-03-2022 to 19-03-2022
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- R. S. Venkata Vara Prasad Assistant Professor in Dept. of CE has attended a 5days online FDP on "Professional Development Programme on Materials in Civil Engineering" . From Civil Engineering Department, Vignan institute of TechInternationallogy and Science, from 21-03-2022 to 26-03-2022.
- Dr. D. Gouse Peera Associate Professor in Dept. of CE has attended a 5 days online FDP on "Suistanability towards Groundwater and surface water conservation" From Bangalore Institiute of TechInternationallogy, from 22-03-2022 to 27-03-2022.
- Dr. D. Sreenivasulu Associate Professor in Dept. of CE has attended a 5 daysonline FDP on "Water as A Precious Natural Resource Sustainability towards surface and ground water conservation - 2022" . From Department of Civil Engineering, Bangalore Institute of TechInternationallogy, K R Road, V V Pura, Bengaluru-560004 ,from 22-03-2022 to 27-03-2022
- Dr. T. Naresh Kumar Associate Professor HOD of CE has attended a 6 days online FDP on "Basics of Hardware in Loop Simulation" . From Annamacharya Institute of TechInternationallogy & Sciences, Rajampet (Andhra Pradesh) . from02-05-2022 to 07-05-2022.

- Dr. T. Naresh Kumar Associate Professor HOD of CE has attended a 5 days online FDP on "NEP 2020 Implementation in Higher Education Institutes" . From Curriculum Development Centre Department, NITTTR Chandigarh . from 09-05-2022 to 12-05-2022.
- Mrs. N.R. Gowthami Assistant Professor in Dept. of CE has attended a 5 days online FDP on "NEP 2020 Implementation in Higher Education Institutes" . From Curriculum Development Centre Department, NITTTR Chandigarh . from 09-05-2022 to 12-05-2022.
- Dr. T. Naresh Kumar Associate Professor HOD of CE has attended a 5 days online FDP on "NEP 2020 Implementation in Higher Education Institutes" . From Annamacharya Institute of Technology & Sciences, Rajampet (Andhra Pradesh). from 09-05-2022 to 12-05-2022.
- Dr. D. Gouse Peera Associate Professor in Dept. of CE has attended a 6 days online FDP on "Emerging Trends in Applied Chemistry-A step towards sustainable development" From SGT University, Delhi, from 30-05-2022 to 04-06-2022.
- Dr. D. Sreenivasulu Associate Professor in Dept. of CE has attended a 7 days online FDP on "International Short Term Training Programme-3 on the Contrivance of Sustainable Development Goals (SDGs) for Environmental Conservation". From Raj Rishi Govt. Autonomous College, Raj Rishi Govt. Autonomous College, Alwar, Rajasthan, India, From 24-06-2022 to 30-06-2022



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