

# DEPARTMENT OF CIVIL ENGINEERING



## PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)

Approved by AICTE, Permanently Affiliated to JNTU Kakinada &  
Accredited by NAAC with "A" Grade

1-378, adb road, Surampalem, Near Kakinada, East Godavari District,  
Andhra Pradesh  
India - 533437

### BIANNUAL NEWSLETTER

January -June 2025  
CIVIL FALL BROADCAST



### ***ABOUT THE COLLEGE:***

**PRAGATI ENGINEERING COLLEGE** (Autonomous) is established in the year 2001, by M/S Gayatri Educational Society in Surampalem, E. G. Dist, A.P. The Institution is accredited by NAAC with 'A' grade in the year 2015 and attained the Autonomous status in the year 2016. Pragati has been graded as gold in the AICTE Survey of Industries linked technical institutions-2016.

It is rated 'A' grade by knowledge mission, Government of India. Pragati has been designated as Center of Excellence [Knowledge Exchange Center] by M/S Infosys Ltd. College attained for AAA rating for the year 2020 by Careers 360 and has been ranked one among the top 10 colleges in A.P. by Silicon India. Three Departments of ME, CSE and ECE are recognized as Research Centre. The institution stood 21st Position and also considered as active local chapter by SWAYAM-NPTEL.

**PRAGATI ENGINEERING COLLEGE** focuses on imparting skills on cutting –edge technologies and shaping the students into disciplined young citizens of good character and lays emphasis on practical experience so as to enable them to secure employment in industry thereby to become entrepreneurs. The courses are so structured which leads to a linear growth and progressive insight into the engineering subjects as well as training in soft skills. Since inception in 2001, in its quest to offer quality education, our college has become a temple of knowledge and produced hundreds of eminent and skill full graduate engineers, who are successful in their careers, serving all over the world.

### ***VISION OF THE INSTITUTE***

To emerge as a Premier Institution for Technical Education in the Country through Academic Excellence and to be recognized as a Centre for Excellence in Research & Development, catering to the needs of our Country.

### ***MISSION OF THE INSTITUTE***

To realize a strong Institution by consistently maintaining State-of-art infrastructure and building a cohesive, World Class Team and provide need based Technical Education, Research and Development through enhanced Industry Interaction.

### ***ABOUT THE DEPARTMENT:***

The Department of Civil Engineering is truly a source of motivation for all initiating various academic and training activities. Established in the year 2012 and it strives to impart outcome based Engineering Education. It offers undergraduate program with an intake of 120.

The department has well qualified, experienced and dedicated faculty in different streams. The department has good infrastructure with the following laboratories.

- |   |                                    |
|---|------------------------------------|
| 1. Surveying lab,                               | 6. Engineering Geology lab,        |
| 2. Engineering graphics lab,                    | 7. Concrete Technology lab,        |
| 3. Strength of materials lab,                   | 8. Transportation Engineering lab, |
| 4. STAAD & CAD lab,                             | 9. Geotechnical Engineering Lab,   |
| 5. Fluid mechanics and Hydraulics machines lab, | 10. Environmental Engineering lab. |




All the labs are well equipped to cater the present day needs. Department has an active student memberships society of Association of Consulting Civil Engineers ACCE(I) and Institution of Engineers (India)IEI, and also students are actively doing Industry 4.0 Clubs activities like Green building and other clubs like Water Management, Greenery, Waste Management, Energy Management, Sanitation and Hygiene to develop the skills. It also provides support to the students in executing quality projects.

The civil engineering department has a wide range of equipment, including [list some of the available equipment]. With this equipment, we can provide expert consulting services to clients in the public and private sectors. Our services could include structural and geotechnical engineering, construction management, environmental engineering, and other related fields.

### ***VISION OF THE DEPARTMENT***

Impart ethical technical knowledge of global standards in the field of Civil Engineering in order to meet new challenges in Professional and Research Environment.

### ***MISSION OF THE DEPARTMENT***

-  To train professionals in the field of Civil Engineering, who can contribute to the Industry, Research & Development and also shoulder the social responsibility.
-  To provide state of art resources that contributes to congenial learning environment.
-  To encourage faculty and students to pursue higher education and various career enhancing courses.

## ***PROGRAM EDUCATIONAL OBJECTIVES (PEOs):***

**PEO1:** Graduates will excel as successful Civil Engineers, Academicians and Researchers.

**PEO2:** Graduates of the programme will continue to engage in lifelong learning, possess good communication skills, managerial skills, team work and social responsibility while exhibiting ethical attitude.

**PEO3:** Graduates of the programme will explore and apply the modern Engineering tools for Planning and Designing of various Civil Engineering projects that are technically and economically viable.

## ***PROGRAM OUTCOMES (POs)***

**Engineering Graduates will be able to:**

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

**2. 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.

**3. 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.

**4. 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.

**5. 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.

**6. 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.

**7. 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.

**8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**10. 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.

**11. 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.

**12. 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.

### ***PROGRAM SPECIFIC OUTCOMES (PSOs)***

**PSO1:** Students will be able to Plan, Survey, and Estimate and execute various Civil Engineering Projects.

**PSO2:** Students will be able to Design Sub-Structure, Super-Structure and Pavements.

**PSO3:** Students will be able to apply the techniques for design of various Water front structures and solving the various Environmental issues.

### ***LIST OF FACULTY MEMBERS***

<b><i>S.NO</i></b>	<b><i>Name of the Faculty</i></b>	<b><i>Qualification</i></b>	<b><i>Designation</i></b>
1	Dr.K SAROJA RANI	Ph.D	HOD &Associate Professor
2	Dr.B.SATYA NARAYANA	Ph.D	Associate Professor
3	V TANUJA	M.Tech	Assistant Professor
4	A LAKSHMI PRASANNA	M.Tech	Assistant Professor
5	V SAI GIRIDHAR REDDY	M.Tech	Assistant Professor
6	N RAGHAVENDRA	M.Tech	Assistant Professor
7	L.PRAVEEN KUMAR	M.Tech	Assistant Professor
8	B. SRI DATTA SUBHRAMANYAM	M.Tech	Assistant Professor
9	A. KALYAN	M.Tech	Assistant Professor
10	A. GANGA NAGINI	M.Tech	Assistant Professor
11	P. JAGADEESWARA REDDY	M.Tech	Assistant Professor
12	B.SAI RAMESH	M.Tech	Assistant Professor
13	B.SRI KALYAN	M.Tech	Assistant Professor
14	Ch.SYAM KUMAR	M.Tech	Assistant Professor
15	D.ROHIN KUMAR	M.Tech	Assistant Professor
16	M.NARENDRA	M.Tech	Assistant Professor

### ***ONLINE CERTIFICATION COURSES BY FACULTY***

<b><i>S.No</i></b>	<b><i>Name of the Faculty</i></b>	<b><i>Course Title</i></b>	<b><i>Result</i></b>
1	L Praveen Kumar	FDP on AI for Sustainable development	Completed
2	L Praveen Kumar	FDP on AI Applications and recent trends In civil engineering	Completed

3	L Praveen Kumar	FDP on AI tools	Completed
4	B Sri data subramanyam	FDP on AI tools	Completed
5	B Sri data subramanyam	FDP on AI for Sustainable development	Completed
6	Dr K Saroja Rani	FDP on AI for Sustainable development	Completed
7	Dr K Saroja Rani	FDP on Teacher training programme	Completed
8	B Sri Kalyan	FDP on AI for Sustainable development	Completed
9	B Sri Kalyan	FDP on training programme	Completed
10	B Sri Kalyan	FDP on Machine learning & Deep learning for educators: Building a future skills	Completed
11	B Sri Kalyan	FDP on Machine Learning in Engineering Applications	Completed
12	Dr.K.Saroja Rani	FDP on Machine Learning in Engineering Applications	Completed
13	B Sri Kalyan	FDP on Structural Design And Analysis using STAAD Pro by ICT Academy	Completed
14	L.Praveen Kumar	FDP on Structural Design And Analysis using STAAD Pro by ICT Academy	Completed

**Faculty Achievements:**

<i>S.No</i>	<i>Name of the Faculty</i>	<i>Achievements</i>	<i>Result</i>
1	Dr.K.Saroja Rani	Book Published: Geotechnical Engineering Fundamentals	Published on March -2025-



2	Dr.B.SatyaNarayan	Scopus Journal Eco-friendly Water Purification Through Solar Energy And Post Treated Water Analysis	ISSN:2229-7359 VOL-11,2025 Published
---	-------------------	--	--

## STUDENT ACTIVITIES

### NPTEL Online Certifications

<i>S.No</i>	<i>Roll Number</i>	<i>Name of the Student</i>	<i>Course Title</i>	<i>Result</i>
1	22A31A0106	M.Annapoorna	Foundation of Cloud IoT Edge ML	Completed
2	22A31A0112	P.Tejaswini	Foundation of Cloud IoT Edge ML	Completed
3	22A31A0116	G.Naga Venkateswara Rao	Foundation of Cloud IoT Edge ML	Completed
4	22A31A0125	N.Radha Chakradhar	Foundation of Cloud IoT Edge ML	Completed
5	23A35A0102	D.Madhu Latha	Foundation of Cloud IoT Edge ML	Completed
6	23A35A0104	K.Devi Udaya Bhanu	Foundation of Cloud IoT Edge ML	Completed
7	23A35A0105	K.Lahari Venkata Durga	Foundation of Cloud IoT Edge ML	Completed
8	23A35A0106	K.Liharika Ratnam	Foundation of Cloud IoT Edge ML	Completed
9	23A35A0108	R.Vasavi	Foundation of Cloud IoT Edge ML	Completed
10	23A35A0109	S.Satya Sivani	Foundation of Cloud IoT Edge ML	Completed
11	23A35A0113	D.Mahesh	Foundation of Cloud IoT Edge ML	Completed
12	23A35A0115	G.Shalem Raj	Foundation of Cloud IoT Edge ML	Completed

**PAPER PUBLICATIONS BY FACULTY:**

<b>S.N O</b>	<b>NAME OF THE FACULTY</b>	<b>PAPER TITLE</b>	<b>NAME OF THE JOURNAL</b>	<b>Month - Year</b>
1	L PraveenKumar	A Comparative Analytical Study Of Multi- Story Rcc, Steel And Composite Building Cost And Seismic Response	International Journal Of Science, Engineering And Technology	April - 2025
2	Dr. K. Saroja Rani	Seismic Evaluation Of Irregular Buildings Using Sap 2000	International Journal Of Science, Engineering And Technology	April - 2025
3	V. Tanuja	Planning, Design And Structural Behavior Of Water Tank Using Etabs	International Journal Of Science, Engineering And Technology	April - 2025
4	Dr. K. Saroja Rani	Investigate The Behaviour Of Variously Located Tall Structures With Distinct Seismic Loads	International Journal Of Science, Engineering And Technology	April - 2025
5	B.Sri Datta Subrahmanyam	A Structural Investigation On Multi-Storeyed Structures With Dynamic Performance In A Seismic Zone Using Different Bracings	International Journal Of Science, Engineering And Technology	April - 2025
6	L. Praveen Kumar	Study Of Behaviour Of Wind Evaluation Of Multi-Storey Building With And Without Floatingcolumnsstructuresinstaad.Pro	International Journal Of Science, Engineering And Technology	April - 2025
7	V.Tanuja	Analysis And Design Of Different Framed Structures G+30 Tall Building Under Dynamic Loading Behaviour	International Journal Of Science, Engineering And Technology	April - 2025
8	L.Praveen kumar	Design And Analysis Of Dormitorybuildingstructureby Using Structural Analysis Programme Software	International Journal Of Scientific Research And Engineering Trends	March – April 2025
9	B Sri Kalyan	Seismic Evaluation Of Irregular Buildings Using E-Tabs Software	International Journal Of Scientific Research And Engineering Trends	March – April 2025
10	V Tanuja	Seismic Analysis And Design Of Multistoreyresidentialbuilding By Using Etabs	International Journal Of Scientific Research And Engineering Trends	March – April 2025



11	B. Sri Kalyan	Performance Of Seismic Analysis Of Rc Structure High Rise G+13 Multi-Storeied Building By Etabs	International Journal Of Scientific Research And Engineering Trends	March – April 2025
12	B. Sri Datta Subramanyam	Design And Structural Behaviour Of Modern Structure By Using Etabs	International Journal Of Scientific Research And Engineering Trends	March – April 2025
13	B Sri Kalyan	Seismic Analysis And Design Of Multi-Storey Building With And Without Shear Wall G+15 Using Staad.Pro	International Journal Of Scientific Research And Engineering Trends	March – April 2025
14	B. Sri Datta Subramanayam	Earth Quake Performance Of Multistorey Building By Using Sap2000	International Journal Of Scientific Research And Engineering Trends	March – April 2025

### **INTERNSHIP**

<i>S.No</i>	<i>Year</i>	<i>Title of Internship</i>	<i>No. of Students</i>
1	III <sup>rd</sup> Year	Construction Project Management	58
2	II <sup>nd</sup> Year	Auto Cad	34
3	II <sup>nd</sup> Year	Larsen & Turbo	01
4	II <sup>nd</sup> Year	Auto cad Essentials For Complete Beginners	02
5	II <sup>nd</sup> Year	NCC limited	01
6	II <sup>nd</sup> Year	Planinng & Estimation of Building Drawing	01
7	II <sup>nd</sup> Year	Utilization of Agriculture waste (NIT-Tadepaligudem)	01

### **INDUSRIAL VISITS:**

<i>S.No</i>	<i>Year</i>	<i>Name of the visited place</i>	<i>No. of Students</i>
1	III <sup>rd</sup> Year	Priyanka Minerals & Projects LLP	60
2	II <sup>nd</sup> Year	Kakinada Sea Ports LTD	65

**STUDENTS ACHEIVEMENTS :( IN ELEVER 2K24)**

<i>S.No</i>	<i>Year</i>	<i>Tttle of Event</i>	<i>Name of the winner</i>	<i>Prize Awarded</i>
1	I YEAR	Technical Talk	K.Vema Sai	FIRST
2	III YEAR	Technical Talk	K.Liharika Ratnam & D.Mahesh	SECOND
3	II YEAR	The Crush Off	R.Pavani Sai	FIRST
4	II YEAR	The Crush Off	V.Sasi Anoushka	SECOND
5	III YEAR	Digital Drafting (AutoCad)	K.Udhaya Bhani	FIRST
6	III YEAR	Digital Drafting (AutoCad)	R.Vasavi	SECOND

**WEBINAR'S/SEMINAR'S ORGANIZED BY ACCE (I):**

<i>S.No</i>	<i>Date of Webinar</i>	<i>Speaker of the Webinar/Seminar</i>	<i>Title of Webinar/Seminar</i>	<i>No. of Students attended</i>	<i>Place Organized</i>
1	25-5-2025	Er.L.S.Subramanyam	Integrating Road Safety into Highway Engineering Practice	34	Online
2	20-4-2025	Dr.K.V.Narasimha Rao	Forensic Structural Analysis on Failure of Structures At Recent Bangkok Earthquake	40	Online
3	23-3-2025	Dr.P.Swamy Naga Ratna Giri	Sustainable Developments and Quality Control Aspects in Concrete	30	Online
4	21-2-2025	L.PraveenKumar	Advancement In Road Construction	37	At MS-8 Class Room
5	11-1-2025	Dr.G.Madhavi Latha	Chenab Bridge Investigation Case Study	30	Online

**COMPETITIVE EXAMINATION QUALIFIED STUDENTS:**

<i>S.No</i>	<i>Roll Number</i>	<i>Name of the Student</i>	<i>Exam Qualified</i>	<i>Registration Id</i>
1	22A35A0105	Ch.Surya Teja	AP PGCET	55366010128
2	22A35A0108	K.Teja Swaroop	AP PGCET	55366010362

**PLACEMENT SELECTED STUDENTS:**

<i>S.No</i>	<i>Roll Number</i>	<i>Name of the Student</i>	<i>Selected for</i>
1	21A31A0102	CHAPPIDI MEGHANA	Infosys
2	21A31A0103	DEVARA ANUSHA	Milekal, Ovation Services Pvt Ltd

3	21A31A0104	GANGULA GOWTHAMI SRI	Savantis, Besten Engineers & Consultant India Pvt Ltd, Infosys
4	21A31A0107	GUDIMETLA DAYANIDHI	Besten Engineers & Consultant India Pvt Ltd
5	21A31A0108	JOKA MAHALAKSHMI	Savantis, Besten Engineers & Consultant India Pvt Ltd, Infosys, TopperRank
6	21A31A0109	KAMADI HARSHASRI	Besten Engineers & Consultant India Pvt Ltd, Infosys
7	21A31A0110	MADDURI LEELA ARCHANA	Besten Engineers & Consultant India Pvt Ltd
8	21A31A0112	PRATHYUSHA PITHANI	Skillforge, Ovation Services Pvt Ltd
9	21A31A0113	SIRIYALA PAVANI SATYA SAI NAGA LAKSHMI	Infosys
10	21A31A0116	VOLETI SARANYA SAHITHI	Savantis, Besten Engineers & Consultant India Pvt
11	21A31A0120	BOOSA SRIDHAR	TVS
12	21A31A0121	CHITTURI S V V RAM KISHORE	Ovation Services Pvt Ltd
13	21A31A0124	GUBBALA JOHN MUKESH	TVS
14	21A31A0125	JALASUTRA CHANDU	Pattabhi Agro Foods Pvt Ltd
15	21A31A0126	JAMPA LIKITH SATISH SAI	UltraTech
16	21A31A0128	KUDIPUDI SESA SAI KARTHIK	TopperRank
17	21A31A0132	MADADA AJAY KUMAR	Savantis
18	21A31A0133	MAKINEEDI SATYA PRASANTH	Ovation Services Pvt Ltd, TopperRank
19	21A31A0139	PEKETI DURGA LAXMI PRASAD	Power Mech
20	21A31A0141	SAKA SATYA SREENIVASA NARENDRA	Cadsys, Ovation Services Pvt Ltd, Cognizant
21	21A31A0142	SIKKIREDDI HARANADH RAJA	Power Mech
22	21A31A0144	VEERAMALLA DURGA VINOD KUMAR	Power Mech
23	21A31A0145	YELETI JAYAKANTH	Power Mech
24	22A35A0101	NALLA SRI SATYA MALLESWARI	Ovation Services Pvt Ltd

25	22A35A0105	CHAKRAVARTHULA SURYA TEJA	Besten Engineers & Consultant India Pvt Ltd, TopperRank
26	22A35A0106	DHARAVATH VINAY	Power Mech, TopperRank
27	22A35A0108	KARRI TEJA SWAROOP	UltraTech
28	22A35A0109	NAGAM LAKSHMAN	Ovation Services Pvt Ltd
29	22A35A0110	RAKUTTI SAI	Techwave
30	22A35A0111	YARLAGADDA RAKESH	Techwave
31	22A35A0112	KODUKULAPUDI S S A N KISHORE KUMAR	Techwave

## GALLERY



*Industrial Visit for the III B.Tech students to Priyanka Minerals And Projeccts at Rowthulapudi*



*Industrial Visit for the II B.Tech students to Kakinada Sea Port Limited At Kakinada Harbour*



*Students Participating In STRIDES Events*

**FACULTY MEMBERS:**

1. B.Sri Kalyan – Convenor
2. V. Tanuja– Member
3. B. Sri Datta Subramanyam– Member

**STUDENT MEMBERS**

1. 23A31A0112 –P.Sarvani–III Year
2. 23A35A0110– E.Yeswanth– III Year
3. 22A31A0125 – N.Radha Krishna– IV Year

**HOD- CIVIL**

**Dr. K.Saroja Rani**

**Associate Professor**