

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

JULY-DECEMBER 2023
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,
2. Engineering graphics lab,
3. Strength of materials lab,
4. STAAD & CAD lab,
5. Fluid mechanics and Hydraulics machines lab,
6. Engineering Geology lab,
7. Concrete Technology lab,
8. Transportation Engineering lab,
9. Geotechnical Engineering Lab,
10. Environmental Engineering lab.

All the labs are well equipped to cater the present day needs. Department has an active student membership 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 contribute 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, 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

S.NO	Name of the Faculty	Qualification	Designation
1	K SAROJA RANI	Ph.D	HOD & Associate Professor
2	M SRI LAKSHMI	M.Tech (PhD)	Assistant Professor
4	V TANUJA	M.Tech	Assistant Professor
5	A LAKSHMI PRASANNA	M.Tech	Assistant Professor
5	V SAI GIRIDHAR REDDY	M.Tech	Assistant Professor
6	M MEGHANADH	M.Tech	Assistant Professor
7	N RAGHAVENDRA	M.Tech	Assistant Professor
8	Y SIVA TEJA SOWRYA	M.E	Assistant Professor
9	D.V.DURGA PRASAD	M.Tech	Assistant Professor
10	B. HARISH	M.Tech	Assistant Professor
11	K SUDEEPA	M.Tech	Assistant Professor
12	L.PRAVEEN KUMAR	M.Tech	Assistant Professor
13	B. SRI DATTA SUBHRAMANYAM	M.Tech	Assistant Professor
14	A. KALYAN	M.Tech	Assistant Professor
15	A. GANGA NAGINI	M.Tech	Assistant Professor
16	P. JAGADEESWARA REDDY	M.Tech	Assistant Professor

ONLINE CERTIFICATION COURSES

S.No	Name of the Faculty	Course Title	Result
1	Mr. V. SAI KIRAN	Municipal Solid Waste Management	Completed (Elite)

STUDENT ACTIVITIES

NPTEL Online Certifications

S.No	Roll Number	Name of the Student	Course Title	Result
1	20A31A0162	GUTTULA SIRISHA	Principles of Construction Management	Completed
2	21A31A0101	ALLADA TEJASWINI NAGA SRI SAI	Design of Reinforced Concrete Structures	Completed
3	21A31A0104	GANGULA GOWTHAMI SRI	Design of Reinforced Concrete Structures	Completed (Elite)
4	21A31A0109	HARSHA SRI KAMADI	Design of Reinforced Concrete Structures	Completed
5	22A35A0102	PREETHI NETHALA	Design of Reinforced Concrete Structures	Completed
6	22A35A0103	SHAMEELA KEERTHI KALI	Design of Reinforced Concrete Structures	Completed
7	22A35A0105	CHAKRAVARTHULA SURYA TEJA	Design of Reinforced Concrete Structures	Completed(Elite)
8	22A35A0110	RAKUTTI SAI	Design of Reinforced Concrete Structures	Completed(Elite)
9	22A35A0112	KODUKULAPUDI S S A N KISHORE KUMAR	Design of Reinforced Concrete Structures	Completed

INDUSTRIAL VISITS

S.No	Year	Title of Industrial Visit	No. of Students	Date of the Visit
1	II nd Year	Yeleru Reservoir Project, Yeleswaram	47	15/11/2023
2	III rd Year	Construction of Post Tensioning Slab at Kakinada D-Mart	27	15/11/2023

INTERNSHIP

S.No	Year	Title of Internship	No. of Students
1	III rd Year	AICTE- Sponsored EduSkills Internship	52
2	III rd Year	Salesforce Internship	5

3	IV th Year	AICTE- Sponsored EduSkills Internship	79
4	IV th Year	Salesforce Internship	14

WEBINAR'S/SEMINAR'S:

<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 Organised</i>
1	05-08-2023	Er. Badam Sundararao	A Technical Session on "Green Buildings" Concepts	100	Pragati Engineering College (A), Surampalem
2	24-09-2023	Mr. Shubham Baranwal	Drone Surveying Technology in Land Surveying	58	Online
3	22-10-2023	Prof. S. Suriya Prakash	Ultra-High-Performance Concrete For Structural Applications	50	Online
4	19-11-2023	Prof. Kolluru V. L. Subramaniam	3D Concrete Printing Challenges and Opportunities		Online
5	28-12-2023	Prof. Kesanapalli Saroja Rani	Emerging Trends in Geotechnical Engineering	30	Pragati Engineering College (A), Surampalem

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	19A31A0177	Reddy Bala Sai Sunder Naidu	8364010388	AP PGECET-2023
2	19A31A0108	Kala Jahnvi	8362010192	AP PGECET-2023
3	20A35A0128	Kollu Roopa Madhuri	8364010199	AP PGECET-2023
4	20A35A0125	Veeravalli Asha Veera Durga	83640110484	AP PGECET-2023
5	19A31A0114	Tatapudi Sruthi	8364010451	AP PGECET-2023
6	19A31A0114	Tatapudi Sruthi	5263010976	AP ICET-2023
7	19A31A0107	Juttuka Tejaswi	8364010164	AP PGECET-2023
8	20A35A0121	Kona Karthik	8364010207	AP PGECET-2023
9	20A35A0119	Palli Sridharan Karthikeya	8362010324	AP PGECET-2023

10	19A31A0115	Thota Satya Harshita	5264020343	AP PGECET-2023
11	18A31A0182	Kummari Surya Kiran	8364010228	AP PGECET-2023
12	19A31A0110	Amrutha Musinada	8364010017	AP PGECET-2023
13	19A31A0102	Bokka Akshaya	8364010054	AP PGECET-2023
14	18A31A0194	Penkey Sri Aashish	8364010359	AP PGECET-2023
15	18A31A0194	Penkey Sri Aashish	5260011240	AP ICET-2023
16	18A31A0174	Balla Veera Surendra Swamy	5163010033	AP ICET-2023
17	18A31A0174	Balla Veera Surendra Swamy	8364010034	AP PGECET-2023
18	19A31A0111	Namma Sri Surya Sai Sadanjali	2123346	GRE
19	19A31A0111	Namma Sri Surya Sai Sadanjali	4688706238603272	TOEFL
20	20A31A0164	Kakara Gayatri Devi	4355208238850371	TOEFL

PLACEMENT SELECTED STUDENTS:

<i>S.No</i>	<i>Roll Number</i>	<i>Name of the Student</i>	<i>Selected for</i>
1	21A35A0116	Ansuri Pavan Kumar	Accenture
2	20A31A0103	Chavvakula Keerthi Moulya	Accenture
3	21A35A0109	Allu Hema Devi	Accenture
4	20A31A0115	Gowri Venkata Satya Sai Nagulapalli	Accenture
5	20A31A0118	Pedireddy Veera Venkata Sri Keerthana	Accenture

GALLERY



Industrial Visit to “Construction of Post-Tensioned Slab Work” & “Yeleru Reservoir Project”



A Technical Session by Er Badam Sundararao on “Green Buildings Concept”

EDITORIAL BOARD

FACULTY MEMBERS:

1. Y. Siva Teja Sowrya – Convenor
2. V. Tanuja– Member
3. B. Sri Datta Subramanyam– Member

STUDENT MEMBERS

1. 20A35A0116 – A. Pavan Kumar – IV Year
2. 20A31A0138 – N. Harsha Vardhan – IV Year
3. 21A31A0109 –K. Harsha Sri – III Year

HOD- CIVIL

Dr. K. Saroja Rani

Associate Professor