

DEPARTMENT OF *CIVIL ENGINEERING*

BIANNUAL NEWSLETTER

JULY - DECEMBER -2021



CIVIL SPRING BROADCAST



**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

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 Centres. 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 Pragati Engineering College started an undergraduate (B.Tech) Program in Civil Engineering in the year 2012, in order to meet the educational needs of the construction industry. The department of civil engineering caters to the regional and global human resource requirements. The institution is located in the widespread area and therefore the students and teachers of the department get benefited through theoretical and field interaction.

The department is committed to strengthen the academic, research and functional abilities of the students, in order to enable them to stand as competent and versatile professionals after graduation. The department strives to enhance research activity in the department, thereby creating competent intellectual resources to the students. Civil Engineering is one of the oldest and ancient branch of engineering which houses a lot of practical knowledge which enhances the day to day life of mankind.

The department building houses well-equipped laboratories. The department conducts various events for revealing scientific, engineering, and technological advances to students. The students participate in events and national level contests, conducted by various institutes.

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

<i>S.NO</i>	<i>Name Of The Faculty</i>	<i>Qualification</i>	<i>Designation</i>
1	M SANDEEP	M.Tech (PhD)	HOD & Assistant Professor
2	V MANIDEEP	M.Tech	Assistant Professor
3	M SRI LAKSHMI	M.Tech (PhD)	Assistant Professor
4	A RAVITEJA	M.Tech	Assistant Professor
5	A ROGER ANTONY	M.Tech	Assistant Professor
6	CH VINAY CHANDRA SHEKAR	M.Tech	Assistant Professor
7	V TANUJA	M.Tech	Assistant Professor
8	K SUDEEPA	M.Tech	Assistant Professor
9	ARVIND MURGESEAN	M.Tech	Assistant Professor
10	A LAKSHMI PRASANNA	M.Tech	Assistant Professor
11	V SRIKANTH	M.Tech	Assistant Professor
12	SHAIK FAYAZ PASHA	M.Tech	Assistant Professor
13	V SAI GIRIDHAR REDDY	M.Tech	Assistant Professor
14	Y DINESH	M.Tech	Assistant Professor
15	M MEGHANADH	M.Tech	Assistant Professor
16	N RAGHAVENDRA	M.Tech	Assistant Professor
17	D RAM RAHUL	M.Tech	Assistant Professor
18	A PRATHYUSH	M.Tech	Assistant Professor
19	Y RAMBABU	M.Tech	Assistant Professor (visiting faculty)
20	K RAJESH	M.Tech	Assistant Professor (visiting faculty)

STUDENTS CERTIFICATION PROGRAMS:

S.No	Name of the Faculty	Course Title	Students attended
1	Mr. P. Jagadish Babu	BUILDING INFORMATION MODELLING (3 Weeks, 2 days)	30

STUDENT ACTIVITIES:**Students list of certification courses:**

Roll Number	Name of the Student	Name of the Course	Awarding Agency	Month and year
19A31A0105	G NAGA SUDHA KAIVALYA	BUILDING INFORMATION MODELLING Count-30 Students	Pragati Engineering College (A)	20/08/2021 to 14/09/2021
19A31A0117	AGISETTI HARI PRASAD			
19A31A0128	KASI BHANU SHYAM			
19A31A0139	SANIPILLI SAI KRISHNA			
20A35A0101	M. S. D. VISHALA BHARGAVI			
20A35A0118	K. DURGA PRADEEP KUMAR			
19A31A0149	KANDARPA L ANUPAMA			
19A31A0154	V. S. V. LAKSHMI PRAVEENA			
19A31A0161	CHITRADA RAMA KRISHNA			
19A31A0173	NEELAM VINAY			
20A35A0138	K. CHENNAKESAVA VARMA			
19A31A0163	DUVVURI SUMEDH SARMA			
19A31A0174	P HARI VENKATA SATYA SAI			
20A35A0132	KATE NAVEENKUMAR			
20A31A0106	GANDIKOTA SANJANA			
20A31A0112	LANKA DEVI VAISHNAVI			
20A31A0120	SUJANMULK SUMA DURGA			
20A31A0124	B.V.K.PARDHU			
20A31A0142	S. PRASANTH KUMAR			
20A31A0156	YERRA JAYANTH NAIDU			
21A35A0104	DARA AVENJO			

21A35A0106	KAPPALA JOHN PAUL			
18A31A0111	K. MOHAMMAD SHAMIMA			
18A31A0114	T. CHANDRIKA			
18A31A0124	CH. SURESH			
18A31A0137	KUTAN KUMAR RAJA			
18A31A0140	MOHAMMAD AFZAL ALI			
19A35A0111	NACHIREDDY SAI SANDEEP			
19A35A0128	PILLA VICTOR SPENNER			
18A31A0154	BONDA SRI SAI DIVYA			

NPTEL Online Certification:

Roll No	Name of The Student	Name of the Course	Awarding Agency	Month and year
17A31A0101	MONISHA CHANDRAGIRI	Integrated Waste Management for a Smart City	NPTEL	July – Oct 2021
17A31A0102	DOKKARA DURGA BHAVANI			
17A31A0103	BHAVANI PRASANNA GOKEDA			
17A31A0104	K SWETHA			
17A31A0105	KANDARPA RAMAA SAHITYA			
17A31A0106	KANDULA MOUNIKA			
17A31A0107	K DEEPTHI			
17A31A0108	K VEERA VENKATA DURGA ALEKYA			
17A31A0109	M HARITHA			
17A31A0110	MARNIDI MANIKYALADEVI			
17A31A0111	MATTA DEVI SOWJANYA			
17A31A0112	N VEERA SOWMYA LAKSHMI			

17A31A0113	P LAHARI SRI DEVI			
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Number of Students Association activities conducted:

Name of The Event	Date(s)	Venue	No. of students Attended
Swatch Pakwada Activities	01-09-2021 to 15-09-2021	Pragtati Engineering College	10

No. of Student Publications:

Roll No	Name of The Student	Title of the Paper	Name of the Journal	Proceedings
18A31A0148	SYED KHAJA BANDE NAWAZ	A Study On Aerobic Composting of Dry Leaves by Using Heap Composting	International Journal for Research in Engineering Application & Management (IJREAM)	ISSN : 2454-9150 Vol-08, Special Issue,
18A31A0103	AVALA YAMINI	Stabilization of Marine Clay Using Banana Fibre	International Journal for Research in Engineering Application & Management (IJREAM)	ISSN : 2454-9150 Vol-08, Special Issue,
19A35A0110	KALLA SIVA SAI	Design of Rigid Pavement for A Low Volume Road Using Recron Fibers	International Journal for Research in Engineering Application & Management (IJREAM)	ISSN : 2454-9150 Vol-08, Special Issue,
18A31A0108	KUNAPUREDDY SAI SATYA DEEPTHI PRAVEENA	Compressive Strength Analysis By Using Recycled Aggregate	International Journal for Research in Engineering Application & Management (IJREAM)	ISSN : 2454-9150 Vol-08, Special Issue,
19A35A0105	YALLA JYOTHI MAHALAKSHMI	Improvement of Compressive Strength of Pervious Concrete	International Journal for Research in Engineering Application &	ISSN : 2454-9150 Vol-08, Special Issue,

			Management (IJREAM)	
18A31A0110	MARISSETTY UMA SASI PRIYA	Effect On Strength Properties of Concrete Using Granite Powder as Partial Replacement of Fine Aggregate	International Journal for Research in Engineering Application & Management (IJREAM)	ISSN : 2454- 9150 Vol-08, Special Issue,
18A31A0134	KODURI JAYA RAM	A Laboratory Study on the Influence of Steel Slag on Improving the Properties of Marine Clay as Subgrade for Flexible Pavements	International Journal for Research in Engineering Application & Management (IJREAM)	ISSN : 2454- 9150 Vol-08, Special Issue,

EDITORIAL BOARD

FACULTY MEMBERS

1. A. Raviteja – Convenor
2. A. Kavya – Member
3. D. Ram Rahul– Member

STUDENT MEMBERS

1. 18A31A0131- K. Pavan Sai – IV Year
2. 19A31A0105 – G Naga Sudha Kaivalya III Year
3. 19A31A0163 – D. Sumedh Sarma – III Year

HOD- CIVIL

M.SANDEEP

Assistant Professor