DEPARTMENT OF

CIVIL ENGINEERING

Biannual Newsletter

JULY - DECEMBER -2022

CIVIL SPRING BROADCAST

PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

Approved by AICTE, Permanently Affilated 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

S.NO	*Name Of The Faculty*	*Qualification*	*Designation*
1	A RAVITEJA	M.Tech	I/C HOD & Assistant Professor
2	V MANIDEEP	M.Tech	Assistant Professor
3	M SRI LAKSHMI	M.Tech (PhD)	Assistant Professor
4	CH VINAY CHANDRA SHEKAR	M.Tech	Assistant Professor
5	V TANUJA	M.Tech	Assistant Professor
6	K SUDEEPA	M.Tech	Assistant Professor
7	ARVIND MURGESEAN	M.Tech	Assistant Professor
8	A LAKSHMI PRASANNA	M.Tech	Assistant Professor
9	SHAIK FAYAZ PASHA	M.Tech	Assistant Professor
10	V SAI GIRIDHAR REDDY	M.Tech	Assistant Professor
11	Y DINESH	M.Tech	Assistant Professor
12	M MEGHANADH	M.Tech	Assistant Professor
13	N RAGHAVENDRA	M.Tech	Assistant Professor
14	D RAM RAHUL	M.Tech	Assistant Professor
15	A PRATHYUSH	M.Tech	Assistant Professor
16	A KAVYA	M.Tech	Assistant Professor
17	G ANJANEYULU	M.Tech	Assistant Professor
18	B INDRANI PARIMALA	M.Tech	Assistant Professor
19	K RESHMA	M.Tech	Assistant Professor
20	Dr. K SAROJA RANI	Ph.D	Associate Professor
21	A SRIVIDYA	M.Tech	Assistant Professor
22	Y RAMBABU	M.Tech	Assistant Professor (VISITING FACULTY)
23	K RAJESH	M.Tech	Assistant Professor (VISITING FACULTY)

FACULTY PARTICIPATIONS

S.No.	NAME OF THE FACULTY	EVENT	DATE	TITLE
1	Dr. K. Saroja Rani	FDP	30/09/2022	"Taking Research to Next Level"
2	Dr. K.Saroja Rani	AICTE - DCP	21 to 25 Nov 2022	AICTE – Distinguished Chair Professor Scheme Lecture Series-Dr. Manohar Lal Munjal.
3	Dr. K.Saroja Rani	Virtual Seminar	19/11/2022	Quality Management in Technical Institutions organized by VJIT Hyd,
2	A. Srividya Shanmukhasastry	FDP	30/09/2022	"Taking Research to Next Level"
3	A. Kavya	FDP	17/10/2022 to 21/10/2022	The challenges and opportunities for women in science, technology, Engineering & mathematics (STEM)
4	A. Srividya Shanmukhasastry	FDP	17/10/2022 to 21/10/2022	The challenges and opportunities for women in science, technology, Engineering & mathematics (STEM)

SMART INDIA HACKATON 2022 (Grand Finale)

Secure Silver medals by the students.

Title Name: Plastic waste means to reduce, reuse, and recycle plastic waste by using PLASTIC BRICKS.

Venue: NIT Silchar, Assam

Team Name: Dream Hunters

Mentor: Alugolu RaviTeja, Ch. Vinay Chandrasekhar, B.Indrani Parimala

Team Leader: Pedireddy Veera Venkata Sri Keerthana

Team Members:

1. *Illa Shanmukha*
2. *Kotipalli Balaji Manikanta Sai Kumar*
3. *Nagulapalli Gowri Venkata Satya Sai.*

Academic Toppers for August 15th Prize Distribution -2022

S.No	Section	Year	RollNo.	Name of student	SGPA	Rank
1	A	I-I	20A31A0117	PATURI JAHNAVI VEERA VENKATA KAVYA	9.54	1
2	A	I-I	20A31A0110	KOPPIREDDY BHAVYA	9.15	2

3	B	I-I	20A31A01A3	VASAMSETTI SURYA HARI KUMAR	8.54	1
4	B	I-I	20A31A0157	BATHINA JYOTSHINI KHELIKHA	8.46	2
5	A	I-II	20A31A0117	PATURI JAHNAVI VEERA VENKATA KAVYA	10	1
6	A	I-II	20A31A0113	MALLADI VENNELA	9.62	2
7	B	I-II	20A31A0157	BATHINA JYOTSHINI KHELIKHA	9.23	1
8	B	I-II	20A31A0173	YELUBANDI DEVI PRASANNA	9.23	2
9	A	I-II	19A31A0107	JUTTUKA TEJASWI	8.44	1
10	A	I-II	19A31A0113	NANGINA BALA MAHA LAKSHMI	8.37	2
11	B	I-II	19A31A0179	SANKARASETTI JAYA PRAKASH SAI RAM	9.44	1
12	B	I-II	19A31A0151	NETI VENKATA SHANMUKHA SRI HARSHITA	8.59	2
13	A	II-I	20A35A0104	JAKKA RAJESWARI	8.86	1
14	A	II-I	20A35A0101	MURAMALLA SRI DATTHA VISHALA BHARGAVI	8.86	2
15	B	II-I	19A31A0179	SANKARASETTI JAYA PRAKASH SAI RAM	9.19	1
16	B	II-I	19A31A0151	NETI VENKATA SHANMUKHA SRI HARSHITA	8.54	2
17	A	II-II	20A35A0103	MANEPALLI VEEERA VENKATA MAHA LAKSHMI	8.87	1
18	A	II-II	20A35A0104	JAKKA RAJESWARI	8.6	2
19	B	II-II	19A31A0179	SANKARASETTI JAYA PRAKASH SAI RAM	8.67	1
20	B	II-II	19A31A0165	KADARI CHAKRI	8.33	2
21	A	III-I	20A35A0104	JAKKA RAJESWARI	9.33	1
22	A	III-I	20A35A0107	DIVYA SRI REDDY	9.13	2
23	B	III-I	19A31A0155	YERRAMSETTY VEERALAKSHMI SATYA SAI MAHITHA	8.67	1
24	B	III-I	19A31A0165	KADARI CHAKRI	8.6	2
25	A	III-II	20A35A0104	JAKKA RAJESWARI	9.41	1
26	A	III-II	20A35A0103	MANEPALLI VEEERA VENKATA MAHA LAKSHMI	8.68	2
27	B	III-II	19A31A0155	YERRAMSETTY VEERALAKSHMI SATYA SAI MAHITHA	8.98	1
28	B	III-II	20A35A0129	KOMMANA RAJESH	8.68	2
29	A	I-I	21A31A0104	GANGULA GOWTHAMI SRI	8.77	1
30	A	I-I	21A31A0113	SIRIYALA PAVANI SATYA SAI NAGA LAKSHMI	8.77	2

GALLERY

Smart India Hacakton (NIT SILCHAR ASSAM)

Engineers Days Celebrations

Guest Lecture by Er.Umesh B.Rao Founder Member of ACCE(I)

సివిల్ ఇంజనీరింగ్ విద్యార్థులకు అవకాశాలు అపారం

ప్రగతి ఇంజనీరింగ్ కళాశాలలో గెస్ట్ లెక్చర్

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Field Visit to Kakinada Building Construction

EDITORIAL BOARD

FACULTY MEMBERS:

1. Dr. K. Saroja Rani – Convenor
2. A.Kavya – Member
3. D Ram Rahul – Member

STUDENT MEMBERS

1. 18A31A0131 - K. Pavan Sai – IV Year
2. 19A31A0163 – D. Sumedh Sarma – III Year
3. 19A31A0156 – A. V Charan Reddy – III Year

HOD- CIVIL

I/C A.Raviteja

Assistant Professor