

DEPARTMENT OF *CIVIL ENGINEERING*

BIANNUAL NEWSLETTER

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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 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 memberships societies 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

<i>S.NO</i>	<i>Name Of The Faculty</i>	<i>Qualification</i>	<i>Designation</i>
1	K SAROJA RANI	Ph.D	HOD & Associate Professor
2	M SRI LAKSHMI	M.Tech (PhD)	Assistant Professor
3	CH VINAY CHANDRA SHEKAR	M.Tech	Assistant Professor
4	V TANUJA	M.Tech	Assistant Professor
5	K SUDEEPA	M.Tech	Assistant Professor
6	A LAKSHMI PRASANNA	M.Tech	Assistant Professor
7	SHAIK FAYAZ PASHA	M.Tech	Assistant Professor
8	V SAI GIRIDHAR REDDY	M.Tech	Assistant Professor
9	Y DINESH	M.Tech	Assistant Professor
10	M MEGHANADH	M.Tech	Assistant Professor
11	N RAGHAVENDRA	M.Tech	Assistant Professor
12	D RAM RAHUL	M.Tech	Assistant Professor
13	A PRATHYUSH	M.Tech	Assistant Professor
14	A KAVYA	M.Tech	Assistant Professor
15	B INDRANI PARIMALA	M.Tech	Assistant Professor
16	A SRIVIDYA SHANMUKHA SASTRY	M.Tech	Assistant Professor
17	Y SIVA TEJA SOWRYA	M.E	Assistant Professor
18	D.V.DURGA PRASAD	M.Tech	Assistant Professor
19	V. SAIKIRAN	M.Tech	Assistant Professor
20	Y RAMBABU	M.Tech	Assistant Professor (VISITING FACULTY)
21	K RAJESH	M.Tech	Assistant Professor (VISITING FACULTY)

FACULTY DEVELOPMENT PROGRAM/PATENT

S.No	Name of the Faculty	Workshop/FDP Name	Organized by	Duration
1	Dr. K.Saroja Rani	Expansive Soils	NPTEL-AICTE	Jan-Apr 2023
2	Dr. K. Saroja Rani	Patent publishing	Implementation of Green Internet of Things (IOT) for Eco-Friendly and Sustainable Smart Cities	13/01/2023
3	Dr. K. Saroja Rani	FDP	Current Research Trends in Field of Civil Engineering. Organized by OP Jindal University, Rajgarh	16/01/2023 to 20/01/2023
4	A. Srividya Shanmukhasastry	Patent publishing	Implementation of Green Internet of Things (IOT) for Eco-Friendly and Sustainable Smart Cities	13/01/2023
5	A. Srividya Shanmukhasastry	FDP	New Generation Construction Materials & Technologies	06/01/2023
6	A. Srividya Shanmukhasastry	National Intellectual Property Awareness Mission	IP Awareness Training Program	20/01/2023
7	Dr. K. Saroja Rani	NPTEL	Expansive Soils	Jan – Mar 2023

STUDENT PUBLICATIONS:

S.No	Name of The students	Title of the Project	Journal Name	Indexing
1	S. Jaya Prakash Sai Ram and Batch	Suitability of brick Bats as Coarse Aggregates in concrete	International Journal of Analytical and experimental modal analysis	UGC Care
2	V.Yaswanth and Batch	Experimental Study on Steel Fiber Reinforced Concrete.	International Journal of Techno-Engineering	UGC Care
3	Ch. Sessa Sathwik and Batch	Structural Analysis and Design of an Auditorium Using Staad Pro V8I software	International Journal of Techno-Engineering	UGC Care
4	M.V.V. Maha Lakshmi and Batch	Design and Analysis of Residential Appartment building (G+5) By Using STAAD PRO.	International Journal of Analytical and experimental modal analysis	UGC Care
5	K.Jahnavi and Batch	Design, Planning and Estimation & Costing of	International Journal of Techno-Engineering	UGC Care

		2BHK Building.		
6	P. Sai Satya Teja and Batch	Utilization of Demolished Concrete Waste for New Construction.	International Journal of Analytical and experimental modal analysis	UGC Care
7	P.Balaji and Batch	Analysis and Design of tall Buildings Subjected to Wind and Earthquake loads Using STAAD Pro.	International Journal of Techno-Engineering	UGC Care
8	M. Siva Ganesh and Batch	Analysis and Design of Multistorey Building with Grid Slabs in Different Seismic Zones by Using STAAD Pro.	International Journal of Analytical and experimental modal analysis	UGC Care
9	N.B.Maha Lakshmi and Batch	Strength Development in Concrete Using Different Types of Cement	International Journal of Analytical and experimental modal analysis	UGC Care
10	N. V.S.S.Harshita and Batch	Usage of Plastic Waste for the Stabilization of Soil	International Journal of Analytical and experimental modal analysis	UGC Care
11	J.Rajeswari and Batch	Analysis and Study of Partial Replacement of Cement with Seashell Powder.	International Journal of Analytical and experimental modal analysis	UGC Care
12	P.Veerendra and Batch	Experimental Investigation on Partial Replacement of Cement with fly ash	International Journal of Techno-Engineering	UGC Care
13	Y.V.L S.S.Mahitha	Planning and Designing of Main Building of Five-Star Hotel	International Journal of Techno-Engineering	UGC Care
14	K.Naveen Kumar and Batch	Stabilization of soil by using Rice Husk Ash	International Journal of Analytical and experimental modal analysis	UGC Care
15	K.Chakri and Batch	Design and Analysis of Multi Storeyed Building (G+15) by Using STAAD Pro.	International Journal of Techno-Engineering	UGC Care
16	D.Pavitra and Batch	Experimental Study on Partial Replacement of Cement with Ceramic Tile Powder in Concrete	International Journal of Techno-Engineering	UGC Care
17	P.S.Kathikeya and Batch	Sewage Analysis and Treatment	International Journal of Techno-Engineering	UGC Care
18	M.S.D.V. Bhargavi and Batch	Replacement of Natural Sand with Manufacturing Sand and Its Effects on Concrete Properties	International Journal of Analytical and experimental modal analysis	UGC Care
19	K.L.Anupama and Batch	Design of Circular Water Tank by Using STAAD Pro.	International Journal of Techno-Engineering	UGC Care
20	Y.V.S.Mani Teja and Batch	Effect of Wind Load on Different Terrain Categories	International Journal of Techno-Engineering	UGC Care
21	G.N.Subha	Partial Replacement of	International Journal of	UGC Care

	Kaivalya and Batch	Aggregates with Ceramic Tiles and Rebutted Tyre Waste in Concrete.	Techno-Engineering	
22	R.Divya Sri and Batch	Analysis and Partial Replacement of Cement with Egg Shell Powder	International Journal of Techno-Engineering	UGC Care
23	T.Sadhana and Batch	Experimental Investigation on Partial Replacement of Concrete Mixture Ratio by Waste Material	International Journal of Techno-Engineering	UGC Care
24	M.S.Srinivas and Batch	Experimental Study on Replacement of Fine Aggregate by Quarry Dust in Concrete	International Journal of Techno-Engineering	UGC Care
25	J. Anjali Satya	Analysis of High Rised Building in Different Seismic Zones By Using STAAD Pro.	International Journal of Techno-Engineering	UGC Care

STUDENT ACTIVITIES:

1. Sport days

Winner/runners list for civil department

S.NO	NAME OF THE STUDENT	BOYS/GIRLS	EVENT	RESULT
1.	Seeli Raviraju	Men	Shotput	1 st prize
2.	Polepalli Hemanth Teja	Men	Shotput	3 rd prize
3.	Surireddy Venkat Raman	Men	Relay	2 nd Prize
4.	K. Jagadish Rama Devudu	Men	Relay	2 nd Prize
5.	SeeliRaviraju	Men	Relay	2 nd Prize
6.	M. Gayatrinadh Reddy	Men	Relay	2 nd Prize
7.	Anusuri Satya	Women	Relay	1 st prize
8.	Malladi Vennela	Women	Relay	1 st prize
9.	Anupama Goda Devi	Women	Relay	1 st prize
10.	Y. Devi Prasanna	Women	Relay	1 st prize
11.	Seeli Raviraju	Men	Taekwondo	Silver, Bronze
12.	B.Jyotshini Khelikha	Women	Kho Kho	Runner

2. Strides2k23

Winners list for civil department

S.NO	NAME OF THE STUDENT	BOYS/GIRLS	EVENT	RESULT
1.	Abhi Ratna Cheduri	Men	Express	1 st prize
2.	Surya Teja Pasala	Men	Focus	2 nd Prize
3.	M. Vennela	Women	Focus	3 rd Prize
4.	Illa Shanmukha	Men	Design	1 st prize
5.	P. Mounika Devi	Women	Quiz	3 rd Prize
6.	Dadi Aparna	Women	Instant	2 nd Prize

3. Prism

S.NO	NAME OF THE STUDENT	BOYS/GIRLS	EVENT	RESULT
1.	Desetti Pavani	Women	Music performance	Participation
2.	S.kasi Visalakshi	Women	Classical dance	Participation
3.	Virajharshith	Men	Group Dance	Participation
4.	D. Sahitya	Women	Music performance	Participation
5.	Ch.Abhi Rathna	Men	Musical band	Participation
6.	G.Surya prakash	Men	Musical band	Participation
7.	S.Noel Martin	Men	Musical band	Participation
8.	M. S D Vishala Bhargavi	Women	Music performance	Participation
9.	B. Kasthuri	Women	Music performance	Participation
10.	V.Saranya Sahithi	Women	Dance	Participation

4. Academic Toppers for January 26th Prize Distribution -2023

S.No	Section	Year	RollNo.	Name of student	SGPA
1	A	I-II	21A31A0108	Joka Mahalakshmi	8.77
2	A	I-II	21A31A0104	Gangula Gowthami Sri	8.46
3	A	II-I	20A31A0117	Paturi Jahnvi Veera Venkata Kavya	9.3
4	A	II-I	21A35A0101	Dadi Aparna	9.3
5	B	II-I	21A35A0116	Anusuri Pavan Kumar	8.74
6	B	II-I	21A35A0113	Medapati Rishitha	8.65
7	A	II-II	20A31A0117	Paturi Jahnvi Veera Venkata Kavya	9.02

8	A	II-II	20A31A0113	Malladi Vennela	8.95
9	B	II-II	20A31A0157	Bathina Jyotshini Khelikha	9.02
10	B	II-II	20A31A0175	Atru Manoj Kumar	8.74
11	A	IV -I	20A35A0104	Jakka Rajeswari	8.5
12	A	IV -I	20A35A0101	Muramalla Sri Dattha Vishala Bhargavi	8.5
13	B	IV -I	19A31A0149	Kandarpa L Anupama	8
14	B	IV -I	19A31A0151	Neti Venkata Shanmukha Sri Harshita	7.83

5. Outside college events

S.NO	Name Of The Student	EVENT	OCCASION	RESULT
1	A. Pavan Kumar	Group Discussion	Soudha JNTUK	2 nd prize
2	A. Pavan Kumar	Technical Quiz	Soudha JNTUK	1 st prize
3	S. Ravi Raju	Taekwondo	Kukkiwon's 1 st Dan Taekwondo Promotion Test	Certified
4	D. Parimala kumar	Drawing Competition	NSS	WINNER
5.	D. Sumedh sarma	Workshop	A Workshop on rural municipal and industrial management	Participati on

PLACEMENT DETAIL OF OUTGOING BATCH (2019-2023)

SNO	HTNO	NAME	SELECTED FOR
1	19A31A0102	Bokka Akshaya	Savantis
2	19A31A0103	Dokkara Tejeswari	Vintrus
3	19A31A0104	Duggada Yemeema Swetha	Vintrus, Teleperformance
4	19A31A0105	Gandrala Naga Sudha Kaivalya	Vintrus, Teleperformance
5	19A31A0106	Ganta Swathi Renuka	Vintrus
6	19A31A0107	Juttuka Tejaswi	Teleperformance, Mold-Tek Technologies Ltd
7	19A31A0108	Kala Jahnvi	Teleperformance
8	19A31A0109	Kota Bhagya Sri	Vintrus
9	19A31A0110	Musinada Amrutha	DXC, Techwave
10	19A31A0111	Nama Sri Surya Sai Sadanjali	Vintrus

11	19A31A0112	Nandikolla Jahnvi Sai Lakshmi	Vintrus
12	19A31A0113	Nangina Bala Maha Lakshmi	Teleperformance
13	19A31A0114	Tatapudi Sruthi	Vintrus, Teleperformance
14	19A31A0115	Thota Satya Harshita	Vintrus, Teleperformance
15	19A31A0117	Agiseti Hari Prasad	Vintrus, Teleperformance
16	19A31A0118	Akkala Ayyappaswamy	Vintrus
17	19A31A0119	Bathina Ravindrakumar	TEACHNOOK
18	19A31A0120	Chitikena Surya Sandeep	DXC
19	19A31A0121	Donka Taraka Venkata Sai Revanth	Vintrus
20	19A31A0125	Jakkapu Venkata Sai Anuchand	Vintrus, Techwave
21	19A31A0129	Kattimenu Datta Surya	TEACHNOOK
22	19A31A0131	Matta Sai Sumanth	Teleperformance, TEACHNOOK
23	19A31A0135	Mullu Rupak Durgeswar Vinay	Vintrus, Teleperformance
24	19A31A0136	Pachimalla Sunder Raj	DXC
25	19A31A0138	Rameswarapu Surya Sanjay	Vintrus
26	19A31A0139	Sanipilli Sai Krishna	Savantis, Teleperformance
27	19A31A0140	Sarika Venkat	Vintrus, Qh Talbros
28	19A31A0141	Saripalli Krishna Kumar	DXC
29	19A31A0143	Talatam Seshu Babu	Savantis, Techwave
30	19A31A0144	Teki Naveen Kranthi Kumar	TEACHNOOK
31	19A31A0147	Jangareddi Anjali Satya	Savantis, Teleperformance
32	19A31A0148	Kanakala Akanksha	Techwave
33	19A31A0149	Kandarpa L Anupama	Team one India pvt LTD
34	19A31A0150	Karanam Vyshnavi	Savantis, Techwave
35	19A31A0151	Neti Venkata Shanmukha Sri Harshita	Jytra Tech
36	19A31A0153	Somavajhala Veda Hari Priya	Teleperformance
37	19A31A0154	Vemisetti Sri Vijaya Lakshmi Praveena	Vintrus, Teleperformance
38	19A31A0155	Yerramsetty Veeralakshmi Satya Sai Mahitha	Techwave, Mold-Tek Technologies Ltd

39	19A31A0156	Abbireddi Vinay Charan Reddy	DXC, Teleperformance
40	19A31A0160	Chatrathi Sessa Sathwik	Vintrus
41	19A31A0167	Kakrapalli Laxmipremchand	Vintrus
42	19A31A0168	Kappala Susandesh	Vintrus
43	19A31A0172	Masakapalli Someswar Srinivas	Vintrus
44	19A31A0175	Padala Sai Durga Siva Kumar	Vintrus, Teleperformance
45	19A31A0177	Reddy Bala Sai Sunder Naidu	Teleperformance
46	19A31A0178	Sala Madhu Kiran	Teleperformance, Vintrus
47	19A31A0179	Sankarasetti Jaya Prakash Sai Ram	Vintrus, Teleperformance, Intellipat, Astroit
48	19A31A0183	Velpula Yaswanth	Vintrus, Teleperformance
49	19A31A0184	Yalla Venkata Sai Mani Teja	DXC
50	20A35A0101	Muramalla Sri Dattha Vishala Bhargavi	DXC, Teleperformance
51	20A35A0102	Talluri Sadhana	Vintrus, Formonic technologies private limited
52	20A35A0104	Jakka Rajeswari	Techwave
53	20A35A0106	Bathina Kasthuri	Teleperformance, Mold-Tek Technologies Ltd
54	20A35A0108	Pendem Siva Babu	Mold-Tek Technologies Ltd
55	20A35A0109	Palivela Veerendra	Teleperformance
56	20A35A0111	Burugupalli Giri Phaneendra	Teleperformance
57	20A35A0112	Sheik Chan Basha	DXC
58	20A35A0116	Narala Sai Rakesh	Jytra Tech
59	20A35A0117	Lekkala Vasu	Teleperformance
60	20A35A0123	Dommeti Jyothsna Sai Amrutha	Teleperformance
61	20A35A0124	Dasari Pavitra	Techwave, Mold-Tek Technologies Ltd
62	20A35A0125	Veeravalli Asha Veera Durga	Vintrus, Teleperformance, Intellipat, Astroit, Mold-Tek Technologies Ltd
63	20A35A0131	Dadi Veera Venkata Suri Babu	DXC

64	20A35A0134	Bureddi Rakesh	Teleperformance
65	20A35A0138	Karri Chennakesava Varma	Mold-Tek Technologies Ltd

GALLERY



One of our student secured 1st prize in Technical quiz and 2nd prize in Group Discussion [Soudha 2K2,JNTUK]



STRIDES 2k23 Technical Symposium

EDITORIAL BOARD

FACULTY MEMBERS:

1. V.Tanuja – Convenor
2. A.Kavya – Member
3. B.Harish – Member

STUDENT MEMBERS

1. 19A31A0163 – D. Sumedh Sarma – III Year
2. 20A31A0138 – N. Harsha Vardhan – III Year
3. 20A31A0196 – Sandhi Noel Martin – III Year

HOD- CIVIL

Dr. K.Saroja Rani
Associate Professor