



PRAGATI ENGINEERING COLLEGE(AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING

Approved By AICTE., Affiliated to JNTUK, Accredited By NBA, NAAC
1-378, ADB Road, Surampalem, East Godavari District, Andhra Pradesh, India-533437

KINETIC CHRONICLES-2K19

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Tel: 08852-252233,34



PREFACE

The magazine is a yearly magazine published by the department of mechanical engineering. In this edition poems from students, research papers from the faculty and articles on latest technological advancement are included. In addition to it magazine also provides space for the inclusion of various technical and cultural activities happened in the department during one year.

This edition was far more crucially scrutinized and checked by some of the best faculties not of this department but also from the college.

Hope this magazine becomes the reflection of mechanical department and will cater all the needs of readers.

Thank you!

Dr. PADAGA KUMAR BABU

HOD -Department of Mechanical Engineering



MESSAGE FROM CHAIRMAN

I am proud to announce the release of Magazine's issue. The magazine signifies the writer's penmanship and also allows them to share their ideas. I acknowledge the efforts of students and staff of Mechanical department who have taken the initiative to promote the writing and publishing skills of the students.

Students and staff achievements have also been presented which will be a motivational factor for the other students to achieve the standard of excellence. Glad to say that we have achieved our aim of turning this into reality. I would like to congratulate all the students, teachers, alumni and everyone involved in bringing out its edition.

Wishing everyone loads of success and bright future.

Dr. P. KRISHNA RAO
(CHAIRMAN)



MESSAGE FROM DIRECTOR

It is a great pleasure and I feel honoured to be a part of the magazine of Department of Mechanical Engineering. This is one of the strongest departments of Pragati Engineering College (AUTONOMOUS).

Students have shown tremendous potential not only in academics but also in co-curricular and extracurricular activities. Students were also encouraged to present the paper in different domains of Mechanical Engineering.

I heartily congratulate all faculties, students and staff for their hard work in publishing magazine that will represent the insight of Mechanical department.

Wishing them best of luck!

Sri M.V. HARANATHA BABU
(DIRECTOR-MANAGEMENT)



MESSAGE FROM DIRECTOR

This helps the students to share and express their ideas in an articulate manner.

Students are showing commendable performance in GRE, CET-MBA and GATE examinations, which can be compared with any other institution in India. For overall personality development apart from academic, co-curricular and extra-curricular is the need of the hour. Students are encouraged to participate in inter and intra-college competition. All these activities help them in getting jobs in reputed companies. They are also admitted in institution of high repute for higher studies in India and abroad.

I congratulate all faculties, students and staff for their hard work in publishing magazine that will represent the insight of Mechanical department.

Sri Dr. G. RAGHURAM
(DIRECTOR-ACADEMICS)



MESSAGE FROM VICE PRESIDENT

It gives me immense pleasure to present the magazine of the Department of Mechanical Engineering. It is the talent and outcome of our students which is reflected through this. This is one of the best platforms for our students to present multifaceted personalities and innovative ideas. I take this opportunity to thank our respected Principal- Dr. S. Sambhu prasad, Dean Administration- Dr. G. NARESH, HOD- Dr. P. KUMAR BABU and all the faculty members for their incessant inspiration and kind support.

I believe that this edition, will prove to be a success. I express my heartfelt gratitude to the editorial committee for their relentless efforts, the young writers for their valuable articles and all those who have been a part of this magazine.

I wish a grand success.

Sri M. SATISH
(VICE-PRESIDENT)



MESSAGE FROM PRINCIPAL

I feel great pleasure to present magazine of our department of mechanical engineering. "Success comes to those who work hard and stays with those, who don't rest on the laurels of the past."

The world today is changing at such an accelerated rate and we need to pause and reflect on this entire system of Education. I am pleased to note that the increasing number of universities ranks every year speak the excellent quality of education being imparted in our institution.

Each issue of our college magazine is a milestone that marks our growth, unfolds our imaginations, and gives life to our thoughts and aspirations. It unleashes a wide spectrum of creative skills ranging from writing to editing and even in designing the magazine.

I congratulate the entire editorial team for their effort in bringing out this magazine in a very innovative way.

Dr. S. SAMBHU PRASAD
(PRINCIPAL)



MESSAGE FROM HEAD OF THE DEPARTMENT

I am pleased to know that our students are successful in bringing their issue of magazine for this academic year 2017-18, the departmental magazine has the prime objective of providing aspiring engineers a wide platform to showcase their technical knowledge and to pen down innovative ideas.

This magazine is intended to bring out the hidden literary talents in the students and teachers to inculcate strong technical skills among them.

I congratulate and thank all the students and faculty coordinator who have made untiring efforts to bring out this magazine. I wish them all the very best for releasing more such magazines in future.

Dr. P. KUMAR BABU

(HEAD OF THE DEPARTMENT)

ABOUT PRAGATI:

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.

“Education is to Inspire, not to Instruct”



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 MECHANICAL DEPARTMENT:

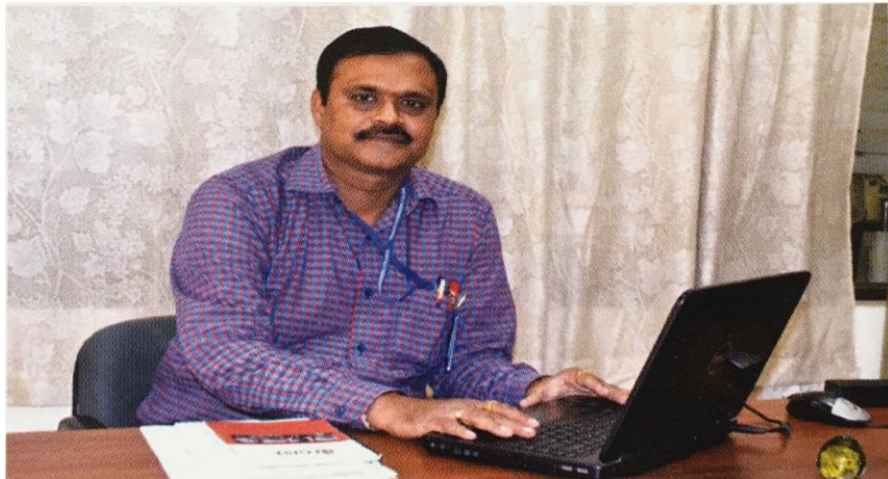
Pragati Engineering College started an undergraduate (B.Tech.) program in Mechanical Engineering in the year 2004, in order to meet the educational needs of the K.G. basin. The Department of Mechanical Engineering caters to the regional and global human resource requirements. The students of this department stood as college toppers in academics. The institution is located in the industrial corridor and therefore the students and teachers of the department get benefited through Industry-Institute-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.

The department building occupies an area of 27,500 SFT and houses well-equipped laboratories. The students participate in events and national level contests, conducted by various institutes. The members of faculty have completed sponsored research projects, amounting to a net worth of Rs. 21 lakhs, during the past three years.



Dr. S. Sambhu Prasad B.E., M.E., Ph.D. (Andhra University), Principal of the Pragati Engineering College has more than two decades of Teaching, Research and Administrative experience. He had worked as Principal of Raghu Engineering College, Visakhapatnam, AP; IACR Engineering College, Rayagada, Orissa and Roland Institute of Technology, Berhampur, Orissa previously.



Dr. P. KUMARBABU M.Tech., Ph.D., is joined to the Team Pragati. He is having more than fifteen years of teaching experience. Currently, he is Head of the Department of Mechanical Engineering.

Total No. of Faculty:				62
No. of Working Faculty:				60
No. of Visiting Faculty:				2
No. of Ph.D. Completed Faculty:				7
S. NO	NAME OF COURSE	SPECIALISATION	UG/PG	INTAKE
1.	B.Tech	Mechanical	UG	240
2.	M.Tech	CAD/CAM	PG	18
No. of Curriculum Labs:				12
Skill Development Labs:				7

VISION OF THE DEPARTMENT:

To be a globally renowned school of mechanical engineering in transforming individuals into professional engineers with world class competency and state-of-the-art research to fulfil the technological needs of the society.

MISSION OF THE DEPARTMENT:

The department of mechanical engineering strives.

M1: To prepare, educate and guide students by the faculty from all domains of mechanical engineering in enhancing their skills.

M2: To establish and utilize world class resources and infrastructure to impart quality education and promote Research aptitude among faculty and students to pursue higher education in diverse fields.

M3: To explore the students' knowledge gradually through industrial interaction for increasing their placement potential to fulfil the basic needs of the society with ethical and social responsibility.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS):

PEO-1: To prepare graduates with sound technical knowledge in the domain of mechanical engineering and allied disciplines contributing to society through interdisciplinary expertise.

PEO-2: To strengthen core competence of graduates by enhancing their self-learning abilities throughout their professional career as well as to pursue higher education.

PEO-3: To produce graduates with ability to explore their artistry in emerging areas of mechanical engineering flourishing their leadership qualities pertaining to ethical innovation with social responsibility.

PROGRAM OUTCOMES (POS):

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 modelling 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):

PSO 1: To solve engineering problems through delineation and perusal relating to mechanical systems and other allied engineering streams with / without advanced software tools.

PSO 2: To work solitary / array in developing core and multidisciplinary concepts for effective utilization of resources ensuring the best practices in the relevant.

POST GRADUATES PROGRAM:

Masters of technology in CAD/CAM is a two-year postgraduate program CAD stands for Computer Aided Design and CAM stands for Computer Aided Manufacturing. CAD/CAM applications are used to both design a product and programme manufacturing processes masters of technology in CAD/CAM provides knowledge and skill development in applying computer and scientific principles related to solve engineering problems.

PROGRAMME EDUCATIONAL OBJECTIVES:

PEO 1: Excel in career with professional knowledge and skills in the specialized area of Computer Aided Design and Manufacturing.

PEO 2: Demonstrate problem solving skills in industry, society in a broader perspective and be successful in teaching and research.

PROGRAM OUTCOMES:

PO 1: To provide fundamental and advanced knowledge and expertise to analyze complex engineering problems and synthesize independently

PO 2: To practice mechanical engineering in support of the design of engineering systems through the application of the acquired knowledge, skills, and tools pertinent to mechanical engineering.

PO 3: To promote independent and collaborative work, while demonstrating the professional and ethical responsibilities of the engineering profession.

PROGRAM SPECIFIC OUTCOMES:

PSO: To conduct research individually or teams to generate scientific technological knowledge in CAD/CAM.

The Department is headed by **Prof. Dr. P. KUMAR BABU**. The members of faculty continuously upgrade their knowledge, skills, and educational qualifications. The members of faculty execute research projects with funding from national and international level sources, and disseminate research by presenting/ publishing in National/ International Seminars, Conferences, and Journals, creating intellectual resource. The academicians impart their knowledge to the students through effective classroom teaching, summer/ special training, guiding industry-oriented projects, and helping students to present papers in student paper contests and national conferences. The academicians invite advanced inquiry from the students.

The teachers conduct Industrial Training Programs in order to benefit the students as well as the industry personnel. The teachers utilize the audio-visual equipment for effective communication, wherever applicable. The technicians cater to the institutional fabrication/ machining/ maintenance needs.



**“FACULTY
ACTIVITIES”**

PUBLICATIONS OF FACULTY IN AY-2018-19

S.NO	NAME OF THE FACULTY	TITLE OF THE PAPER	MONTH & YEAR	NAME OF THE JOURNAL	ISSN NO
1.	Dr. S. Sambhu Prasad	Experimental Studies on Mechanical Properties of Polymer Based Composites	October 2018	I Managers journal on mechanical engineers	2249-0744
	Dr. G. Satish				
	V. V. S. Prasad				
2.	Dr. S. Sambhu Prasad	A numerical study on thermal behaviour of cylindrical shell made with functionally graded materials.	01-06-2018	IJTIMES	2455-2585
	Mr. Avinash Gudimetla				
3.	Dr. S. Sambhu Prasad	Effect of equal channel angular pressing on the mechanical properties of al 4032-sio2 Nano composite material	01-06-2018	IJTIMES	2455-2585
	Mr. Avinash Gudimetla				
4.	Mrs. Ch. Vasantha Lakshmi	Design of multi contact-aided cellular compliant mechanisms for stress relief	01-06-2018	IJTIMES	2455-2585
	Mr. D.J. Johnson				
	Mrs. K. Aravinda				

S.NO	NAME OF THE FACULTY	TITLE OF THE PAPER	MONTH & YEAR	NAME OF THE JOURNAL	ISSN NO
5.	Dr S. Sambhu Prasad	Simulation Analysis on Femur Bone Along with Fracture Fixation Plate	01-06-2018	IJTIMES	2455-2585
	Mrs. B. Anusha Srikanta				
6.	Mr. S. Srikanth	Design optimization of aerodynamic drag at the rear of generic passenger car	01-06-2018	IJTIMES	2455-2586
	Mr. G.V.N. Santhosh				
7.	Mr. D.J. Johnson	Shake Table Experiment on Reactor Vessel	05-01-2019	IJESI	2319 – 6734
	Mrs. B. Anusha Srikanta				
	Mr. S. Srikanth				
8.	Mr. P. Srinivasa Rao	Design and analysis of vortex generators for reducing drag force in automobiles by using CFD	May 2019	IJSDR	2455-2631
9.	Dr. G. Satish	Flow behavior on elbow with various geometrics of nozzles	May 2019	I Managers journal on mechanical engineers	2235-767X

FACULTY DEVELOPMENT & WORKSHOP PROGRAMMES IN THE AY-2018-19

S.NO	NAME OF THE FACULTY	FDP'S NAME	DURATION	PLACE
1.	Dr. S. Sambhu prasad	Advances in Materials and Manufacturing Processes (in collaboration with CET, Bhubaneswar)	29-10-18 – 3-11-18	JNTUK, Kakinada
2.	Mr. P.Srinivasa Rao	5-day FDP on “Hybrid and Electric Vehicle Technologies (HEVT 2018)	11-12-18 – 15-12-18	MVGR College of Engineering
3.	Mrs. Ch. Vasantha Lakshmi	Energy Conservation and waste heat recovery	July – Oct 2018	NPTEL-AICTE Online
4.	Mr. M. Vijaya Kumar	Heat Exchangers: Fundamentals and design Analysis	July – Oct 2018	NPTEL-AICTE Online
5.	Mr. P. Srinivasa Rao	Dassault Systems-3D Experience Centre	30 th Aug 01 st Sep 2018	Vignan’s Institute of information Technology , Visakhapat nam.
6.	Mr. S. Srikanth	Manufacturing of composites	Aug – Sep 2018	NPTEL-AICTE Online
7.	Mr. Yeswanth	Phase Equilibrium in Materials (Nature & properties of materials-II)	Aug – Oct 2018	NPTEL-AICTE Online
8.	Mr. V. Naga babu	A one-week FDP on Advanced Vibration Analysis and its practical Applications.	11-2-19 to 16-2-19	JNTUK, Kakinada
9.	Mr. R. Rajesh			
10.	Mr. G.V.N.Santhosh	Non-conventional energy Resources	Jan –April 2019	NPTEL-AICTE Online

11.	Mrs. Ch. Vasantha Lakshmi	Convective Heat Transfer	Feb – March 2019	NPTEL-AICTE Online
12.	Mr. A. Phani Bhaskar	Fundamentals of Welding Science and Technology	Jan – March 2019	NPTEL-AICTE Online
13.	Ms. D. Mahalakshmi			
14.	Mr. D. Johnson	Joining Technologies for Metals	Feb –April 2019	NPTEL-AICTE Online
15.	Mr. M. Rambabu	Steam and Gas Power Systems	Feb –April 2019	NPTEL-AICTE Online
16.	Mr. G. Avinash	Introduction to Composites	Jan –April 2019	NPTEL-AICTE Online
17.	Ms. M. Amrutha			
18.	Mrs. B. Anusha			
19.	Mr. N. Raghuv eer	IC Engines and Gas Turbines	Jan –April 2019	NPTEL-AICTE Online
20.	Mr. P. Srinivasa Rao			
21.	Mr. M. Vijaya Kumar			
22.	Mr. Yeswanth			
23.	Mr. P. Srinivasa Rao	Manufacturing Process Technology	Jan –April 2019	NPTEL-AICTE Online
24.	Mrs.K. Aravinda			
25.	Mr. A. Phani Bhaskar	Improving teaching skills in the subject ‘Design of Machine Members-I’	7-5-19	JNTUK, Kakinada
26.	Mr. V. Naga babu			
27.	Mr. A. Phani Bhaskar	Improving teaching skills in the subject ‘Heat Transfer’	09-5-19 – 14-5-19	JNTUK, Kakinada
28.	Mr. V. Naga babu			
29.	Mr. A.V. Ramana Rao	Industry 4.0: Academia Initiatives in Mechanical	12-6-18 to 14-6-18	Malla Reddy College of Engineering
30.	Mr. D.Johnson	Digital Driven Design Manufacturing	2-7-18 to 6-7-18	Lakkireddy Balireddy College of Engineering
31.	Mr. K.Viswatej			
32.	Mr. G.Avinash	1 Week FDP on ‘Advances in Materials & Manufacturing Processes’	29-10-18 to 3-11-18	JNTUK, Kakinada
33.	Mr. A.V.Ramana Rao			
34.	Ms. M.Amrutha			
35.	Ms. Chaitanya Vardhini			

36.	Mr. G.V.N. Santhosh	A Week FDP on 'Noise & Vibration Control of Structures: Engineering Applications'	26-11-18 to 1-12-18	JNTUK, Kakinada
37.	Mr. M. Sunil Raj			
38.	Mr. P. Sukumar			
39.	Mr. G. Panduranga			
40.	Mr.K. Varaprasad	FDP on "Advances in manufacturing design & NDT Techniques"	11-2-19 to 16-2-19	JNTUK
41.	Dr. M. L. Chaitanya	2-day National workshop on "Contemporary issues on advanced materials for noise and vibration applications"	01-2-19 to 2-2-19	VIT Chennai
42.	Mr. K. Dinesh babu			

FACULTY TRAINING PROGRAMS IN THE AY-2018-19

S.NO	NAME OF THE FACULTY	TRAINING PROGRAMME	DURATION	AUTHORITY
1.	Dr. G. Satish	CNC & Robotics Programming in Manufacturing Industries	2 nd to 7 th July 2018	JNTUK, Kakinada
2.	Mr. G. Avinash			
3.	Mr. S. Srikanth			
4.	Mrs. B. Anusha			
5.	Mr. P. Srinivasa Rao	AUTOCAD. Autodesk certified professional (ACP)	October 2018	APSSDC
6.	Mrs. Ch. Vasantha Lakshmi		July 2018	APSSDC
7.	Mr. K. Viswatej		May 2018	APSSDC
8.	Mr. V. Nagababu	NX-Designing	3-12-18 to 8-12-18	JNTUK, Kakinada



**“STUDENT
ACTIVITIES”**

NCC ACTIVITIES

Around 60 students from Pragati engineering college had participated in 10days Combined annual training camp conducted by 9(A) air BN Andhra, Kakinada in May,2019

Events organized in this camp: -

1. Swatch Bharath campaign at Peddapuram
2. Firing range activity in camp schedule
3. Guidelines by SSB INTERVIEW RB to enter to air force as commissioned officers.



NSS ACTIVITIES

International Yoga Day celebration was organized in Pragati Engineering college campus on 21st June, 2018 jointly by the college NSS & NCC Units. Dr. P Krishna Rao, Chairman of the college was the Chief Guest of the occasion.



NSS Team In Pragati Engineering College Had Organized World Blood Donors Day .The event serves to thank voluntary, unpaid blood donors for their life-saving gifts of blood and also to raise awareness of the need for regular blood donations to ensure that all individuals and communities have access to affordable and timely supplies of safe and quality-assured blood and blood products, as an integral part of universal health coverage and a key component of effective health systems.



“LIST OF STUDENTS PARTICIPATED IN YOGA DAY”

S NO	NAME OF THE STUDENT	ROLL NO
1.	K.SAI SRI DHARANI	17A31A0304
2.	KANDULA ANJANA	17A31A0305
3.	LANKA MADHURI	17A31A0306
4.	NARAHARISSETTI TEJASWI	17A31A0307
5.	G. SANDEEP	17A31A0317
6.	DWARAMPUDI SRI RAMYA SUDHA	17A31A0358
7.	MAHBOOB SHAHEEN	17A31A0362
8.	RAGU SATYA ANANTA PRIYA CHANDINI	17A31A0367
9.	CHADA JITHENDRA SAI RAJA	17A31A0373
10.	ALLANKI ANUDEEP	17A31A0386
11.	MANDA.AKHIL YUVARAJ	17A31A0393
12.	GOMATHAM HEMANTH	17A31A03D0
13.	JAGATHA PRAVEEN	17A31A03D3
14.	KOYYALA SIVA VIKAS	17A31A03E1
15.	LODAGALA.ASHOK BABU	17A31A03E2
16.	SARANAPU VENKATA SATYA MANIKANTA RAVINDRA	17A31A03F8
17.	ADABALA SAI SANDEEP	17A31A03H7
18.	DASARI SHALEM LIVING STONE	17A31A03I6
19.	K. SURENDRA VARMA	17A31A03K4
20.	KORLA VENKATA HARI NADH	17A31A03K5
21.	VENKATA RAMANA.NEELAM	17A31A03L4
22.	PALANKI YASWANATH	16A31A03G1
23.	KUDIPUDI VEERA VENKATA SATYANARAYANA	16A31A03E9

INDUSTRIAL VISIT

COMPANY NAME	COMPANY SECTOR	DISCIPLINE	LEVEL	DATE (TO)	NO. OF STUDENTS
Sarvaraya Sugars Pvt Ltd	Manufacturing	ME	UG	06/07/18	51
Sarvaraya Sugars Pvt Ltd	Manufacturing	ME	UG	06/07/18	45
Sarvaraya Sugars Pvt Ltd	Manufacturing	ME	UG	09/07/18	40
Sarvaraya Sugars Pvt Ltd	Manufacturing	ME	UG	09/07/18	45
Bhavani Castings	Manufacturing	ME	UG	18/07/18	53
Sarvaraya Sugars Pvt Ltd	Manufacturing	ME	UG	14/02/19	53
Sarvaraya Sugars Pvt Ltd	Manufacturing	ME	UG	15/02/19	53
Sarvaraya Sugars Pvt Ltd	Manufacturing	ME	UG	15/02/19	54
Sarvaraya Sugars Pvt Ltd	Manufacturing	ME	UG	14/02/19	57
Dr. Narla Tata Rao Thermal Power Station	Power Generation	ME	UG	06/03/19	52



ERUDITE under **STRIDES** has been an opportunity since **2007** created by the Mechanical Engineering Association of our college, since then it made a great progress to provide a technical platform to all the students coming out from all parts of the nation to enhance their skills and improve their knowledge in the field of Mechanical Engineering.

What does ERUDITE means?

***** ERUDITE means “Characterized by Great Knowledge” *****

This year ERUDITE is back with loads of innovative and technical aspects.

Now let us take a quick look at technical events going to be organized in ERUDITE-2K18

DARPAN (PAPER PRESENTATION):

To reveal the quest of research in the field of Mechanical Engineering and to test the comprehensive skills of young Engineers, ERUDITE-2K18 is providing DARPAN as a platform to present their knowledge.

DIKSUCHI (POSTER PRESENTATION):

To showcase the future innovations or developments in the field of Mechanical Engineering, ERUDITE-2K18 is organizing DIKSUCHI.

DARSHAN (MODEL EXPO):

To Encourage the Young Creators of the country, by giving them a chance to exhibit their creativity and innovations, we are organizing DARSHAN which will provide a common platform for creative engineers.

DISHATI (TECHNICAL QUIZ):

Mechanical engineers require enormous amount of logic and technical knowledge. To test that knowledge inside the students, DISHATI will help to sharpen your technical skills and winning this event to be proved as a Technocrat.

DOOHICKEY (CONTRAPTIONS):

To test the limits of the mechanical engineers by challenging their creativity and questioning their will of creation and demanding a new possibility for an old question. DOOHICKEY creates a common platform to expand their limits and represent them.

HYDRO ROCKET:

This event is a platform purely conducted to encourage the designing skills of the budding engineers through a HYDRO ROCKET. It is a task where students require filling bottle with water and pressuring to launch it, where the design plays the main role of making it a successful launch.

ROBO MARIO:

Robots are the future. This event is a platform for those who want to excel in the field of Robotics where a robot will be designed by the students and will be raced on a specified path passing over many hurdles.

ROBO SOCCER:

This is another event where the robots are tending to fight in a football court. It's completely a soccer game playing by robots but purely operated by students.

AQUA BOT:

It is an event where a boat is raced through a specified path with lesser time considered as winner.

ART GALLERY:

This is a unique way of bringing out the talent in the students. Since mechanical engineers deals with a lot of creativity, imagination and art, we encourage students to exhibit their own creativity and art.

and many more spot events.....



DARPAN (PAPER PRESENTATION)



WINNERS LIST

S.NO	EVENT NAME	PRIZE	STUDENT NAME
1.	Paper Presentation	1st	D. Ganesh Sai
		2nd	Ch. Jitendra Sai Raja

DIKSUCHI (POSTER PRESENTATION)



WINNERS LIST

S.NO	EVENT NAME	PRIZE	STUDENT NAME
1.	Poster Presentation	1st	P. Sreenija
		2nd	S. V. Subrahmanyam

DARSHAN (MODEL EXPO)



WINNERS LIST

S.NO	EVENT NAME	PRIZE	STUDENT NAME
1.	Project	1st	T. Giri Prasada Reddy
		2nd	P. Teja Sai Kumar

DISHATI (TECHNICAL QUIZ)



WINNERS LIST

S.NO	EVENT NAME	PRIZE	STUDENT NAME
1.	Quiz	1st	B. Brinesh
		2nd	Ch. Jitendra Sai Raja

DOOHICKEY (CONTRAPTIONS)



WINNERS LIST

S.NO	EVENT NAME	PRIZE	STUDENT NAME
1.	Contraptions	1st	N. Siva Sai Durga Prasad
		2nd	G. Satish

HYDRO ROCKET



WINNERS LIST

S.NO	EVENT NAME	PRIZE	STUDENT NAME
1.	Hydro Rocket	1st	V. ChaitanyaKiran
		2nd	E. Anand

ROBO MARIO



ROBO SOCCER



ART GALLERY



WINNERS LIST

S.NO	EVENT NAME	PRIZE	STUDENT NAME
1.	Art Gallery	1 st	K. Prudhvi Harsha
		2 nd	M. Venkatesh



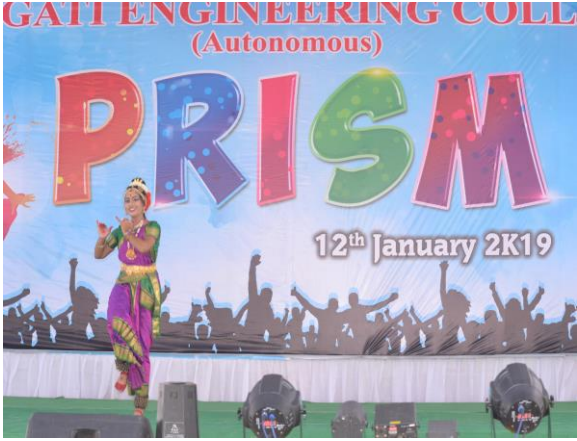
“PRISM-2K19”

PRISM-2K19





CULTURALS







Spot Light of Sparkling
"PRAGATI"
Rank Holders



TOPPERS FROM DEPT. OF MECHANICAL ENGINEERING

BATCH: 2014-18

S.NO	ROLL NO	STUDENT NAME	AGGREGATE
1.	14A31A03B5	VADDI UMA MAHESWARA RAO	85.09
2.	14A31A0380	KARRA VEERA DURGA PRASAD	83.88
3.	14A31A0328	VULLI VENKATA SRAVAN	83.41
4.	14A31A0381	KARRI VENKATESH	83.03
5.	14A31A0334	M BHARGAVA VAMSI KRISHNA	80.56
6.	14A31A0327	KARNELA SATYA SURESH KUMAR	80.12
7.	14A31A03L5	P VENKATA PATTABHI RAMAYYA	80.07
8.	14A31A03H5	VINJARAPU VIJAY BABU	79.52
9.	14A31A0303	DHARMAVARAPU JAYA VANI	79.31
10.	14A31A03D7	J DURGA SAI VARA PRAKASH	79.23

TOP 10 STUDENTS OF 18-19 I YEAR I SEMESTER

SL.NO	ROLL.NO	STUDENT NAME	SGPA
1.	18A31A03C6	MAJJI VENKATA SWAROOP	9.63
2.	18A31A0315	CHITTURI THIRU VENKATESH	9.54
3.	18A31A0325	G VEERA VENKATA SATYANARAYANA	9.38
4.	18A31A0302	CH SRAVANI JYOTHI VARALAKSHMI	9.25
5.	18A31A0335	MATTA MOHAN SATYA SAI VENKAT	9.25
6.	18A31A0314	MEKA SAI PRANEETH	9.13
7.	18A31A0384	PENKE HEMANTH KUMAR	9.04
8.	18A31A03D5	PADAGA VEERENDRA	9.04
9.	18A31A0341	PABBINEEDI JAYAKANTH	9
10.	18A31A0301	ALLURI SUJATHA PRIYADARSHINI	8.88

**TOP 10 STUDENTS OF 18-19
II YEAR I SEMESTER**

S.NO	ROLL.NO	STUDENT NAME	SGPA
1.	17A31A0373	CHADA JITHENDRA SAI RAJA	9.59
2.	17A31A03K3	K V VENKATA SAI CHANDU	9.5
3.	18A35A0313	PUVVALA SAI VAMSI	9.5
4.	17A31A03K5	KORLA VENKATA HARINADH	9.45
5.	18A35A0307	GANDHAM RAMA GANESH	9.45
6.	17A31A03N6	M YASWANTH ELISHA KUMAR	9.36
7.	17A31A0307	NARAHARISETTI TEJASWI	9.32
8.	17A31A0358	D SRI RAMYA SUDHA	9.32
9.	17A31A0341	REDDY ACHYUTA SRI SAI	9.23
10.	17A31A03C7	GANJI RANJITH KUMAR	9.23

**TOP 10 STUDENTS OF 18-19
III YEAR I SEMESTER**

SL.NO	ROLL.NO	STUDENT NAME	SGPA
1.	17A35A0317	YANDAM LAKSHMI SUMAPRIYA	9.57
2.	17A35A0335	LOKAVARAPU VIJAYKUMAR	9.57
3.	17A35A0347	B V V BHAVANNARAYANA	9.57
4.	16131A03L3	PUDI SRINIJA	9.43
5.	16A31A0315	DHULIPUDI GOVINDARAJU	9.43
6.	16A31A0310	B VENKATA SAI RAM VIKAS	9.43
7.	17A35A0320	GAMPALA NAGENDRA	9.43
8.	16A31A0321	JUNUTHULA SAIMOHAN	9.29
9.	16A31A0359	KARRI VEERALAKSHMI	9.29
10.	16A31A03B0	TALLURI KAMESWARA RAO	9.29



**“TRAINING
&
PLACEMENTS”**

Your success
Our commitment



TRAINING & PLACEMENTS

Training and Placement is the framework for helping students to develop their personal and organizational skills, knowledge, and abilities so as to enhance their personality as well as help them get placed in an organization which has global presence. PEC Engineering College is one of the very few colleges where the concept of Training has been implemented and proved successful.

The Placement Cell is sincerely working to empower students with various qualities and skills to achieve professional and personal excellence. The Training & Placement Cell is playing a major role in transforming the students to the expectations of the industry.

All the students are informed about the necessity of maintaining good academic scores and are motivated regularly to achieve the same. Training programs and industry related seminars are routine and the students are exposed to these kinds of programs from the very first day they step into the college.

These programs along with mock tests, both offline and online, have been made mandatory and evaluation procedures are followed which are in line with those required by the corporate world. They are being prepared to be individuals with logical and analytical skills and with excellent practical knowledge.

The Training & Placement Department at PEC strongly believes in engineering young minds to be disciplined, dedicated and determined so that in future they will confidently, capably and undoubtedly steer organizations towards growth, prosperity and excellence dynamically.

VAMSI KIRAN SOMAYAJULA
(Training & Placement Officer)

LIST OF STUDENTS PLACED IN AY-2018-19

S.NO	ROLL. NO	NAME OF THE STUDENT	NAME OF THE COMPANY
1.	15A31A0305	PUTCHALA HARIKA SRI BHAVANI	Teleperformance
2.	15A31A0306	SABBITHI SADGUNA SILVIA SUNDARI	
3.	15A31A0320	KATAKAM VARSHIT	
4.	15A31A0321	KEERTY NAGA VENKATA SAITEJA	TCS
5.	15A31A0323	KOMMULA SAI BABA KRISHNA	Onegene
6.	15A31A0326	KUKKALA RAVI KUMAR	
7.	15A31A0332	MORAMPUDI NAVEEN	
8.	15A31A0338	PALAKA ASHOK	TCS
9.	15A31A0348	SAMANTHAKURTHI SANDEEP KUMAR	Onegene
10.	15A31A0350	SAYYED ROSHAN	HGS
11.	15A31A0356	VARASALA ABHISHEK DESAI	Onegene
12.	15A31A0378	GARBHAPU LOKESH CHANDHRA	
13.	15A31A0390	KONDAPALLI MANI KARTHIK	
14.	15A31A03A2	NOOTHALAPATI PREM RAJ	HGS
15.	15A31A03A6	RAMOJU RAMBABU	HGS
16.	15A31A03C2	ATHI SIVAGANESH	Tripod
17.	15A31A03C8	CH VENKATESH	Shriram Panels
18.	15A31A03D1	CHEKKA PRASANTH	Onegene
19.	15A31A03D6	G SANDEEP SASTRY	Aliens Gp
20.	15A31A03D6	GIDDI SANDEEP SASTRY	HGS
21.	15A31A03E2	KALIDINDI ESWAR SAI	Aliens Gp
22.	15A31A03F0	KORUKOLU RATNA RAJ	HGS
23.	15A31A03F3	MATHI AKSHAY	Onegene
24.	15A31A03G4	PETA SIVA	HGS
25.	15A31A03H8	VODURI CHAITANYA KIRAN	Infosys
26.	15A31A03I0	Y NAGA CHAKRA PRAHLAD	Onegene
27.	15A31A03I4	ATHI MAHESH	
28.	15A31A03I9	CHALLA SIVA RAMAKRISHNA	
29.	15A31A03K4	MALLESWAR CHAVITI	WIPRO
30.	15A31A03K5	MANIKANTA DUNGA	Onegene
31.	15A31A03K7	MEDASANI PHANIKUMAR	Infosys
32.	15A31A03L3	PALIKA RAVI SRINIVAS	Onegene
33.	15A31A03L7	PHANI KUMAR VASA	IBS
34.	15A31A03L9	PYLA KIRAN KUMAR	Onegene
35.	16A35A0306	KUKKALA SREEDHAR	
36.	16A35A0311	TOYYETI RAVI SHANKAR	
37.	16A35A0315	DUNNA SOMESWARA RAO	
38.	16A35A0323	RAYUDU SATYA SAI KUMAR	
39.	16A35A0328	EDADASARI DINESH	
40.	16A35A0341	GUBBALA P SATISH	
41.	16A35A0345	MUPPIDI SURYA CHARANREDDY	



**“ART GALLERY”
&
“PHOTOGRAPHY”**

“Creative ideas ooze out from one's sixth sense and vibrate in the brain and Inner soul. From there the new art flows, the new rhythm generates to awaken creative sensibilities”.

ART GALLERY



T. RAJ KUMAR
(I MECH – C)



K. SAI VINAY
(I MECH – C)



B. YASHWANTH
(II MECH – B)



N. SAMPATH KUMAR
(II MECH – B)

PHOTOGRAPHY



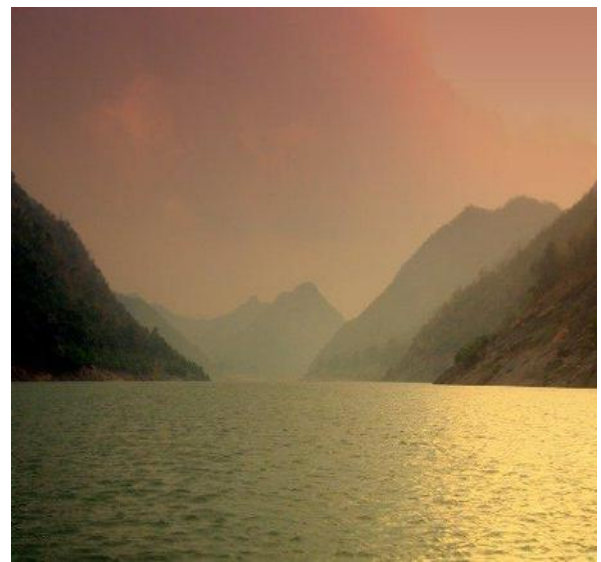
S. SRIKANTH
(FACULTY-MECHANICAL)



A. YASHWANTH
(II MECH – B)



B. YASHWANTH
(II MECH – B)



G.V.N. SANTHOSH
(FACULTY-MECHANICAL)



“ALUMNI DESK”

“OUR DOORS ARE
ALWAYS OPEN
FOR THE
ALUMNI...”



ALUMNI DESK

“Engineering wouldn't be easy if it was not in PEC. Being graduated as a Mechanical engineer gives me immense pleasure to thank my Mechanical faculty and my HOD. Not only have they given us knowledge but also filled values of being an Engineer. Spending 4 years in PEC was more than memorable, thanks to my teachers and friends.”

BULUSU SRI VAMSI



The best part of PEC was my faculties and the friends. The friendliest and the helpful facilities one can ever get. I consider myself to be very lucky to the part of the ME department. I got to learn not only about the curriculum but also how to overcome the challenges in life which was a very important lesson indeed. If I was not in PEC, ME department, I wouldn't have been where I am today! The time I spent in PEC was the most memorable which I cannot forget in my lifetime. Overall it was a great experience and learning. I would take this opportunity to thank all the faculties, HOD and my friends who were part of this wonderful journey of 4 years!

GUTTULA RAJESH



Our journey has been a roller coaster at times, Classes were always excellent, the teachers treated us like their own, they respected our individuality and gave strength to our young wings. They always have believed in us, more than our belief in us, On the first day, we were like caterpillars, clumsy and still learning, the environment here gave us the freedom to find in our self the belief, they protected us while we were vulnerable.

MADADA HARISH



ALUMNI DESK

It has been an enriching experience all the while being a part of a prestigious Institution like PEC. What I cherish the most is the kind of open environment prevailing on campus, be it for the constant encouragement extended by the Faculty Members to promote 'out-of-box' thinking beyond the academic curriculum, the off-course exposure to relate what we study in-house more with real-time industry requirements or the sense of rapport and mutual respect which one develops with fellow students in the due course cutting across batches and study streams. All these to me are enablers allowing a student to get a holistic view of what is required to face the challenges lying ahead, be it stepping into a successful career or for pursuing further academic excellence.

SAI VENKATA SURAZ



Someone has rightly said “College days are Golden Days”. The memories during these days will last forever. Even now when I turn back, I realise I gained not only knowledge but moral values also from PEC. I personally thank all my faculty of MEC Department for their support during my college days.

BANDE ANJANA DEVI



The college has very good infrastructure. Department professors are very co-operative. They guided us in a very good way which helped us to execute our projects successfully.

KARRA VEERA DURGA PRASAD



Aspire for a “New Identity”



PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

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