



PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING

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

KINETIC CHRONICLES-2022

PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)

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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. B.S.V. RAMA RAO
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 2019-20, 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. B.S.V. RAMA RAO

(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. B S V Ramarao B.E., M.E., M.B.A., Ph.D., is joined recently to the team pragati. He is having more than eighteen years of teaching experience. He had received Best teacher awards for three times during his career. Currently he is Head of the Department of Mechanical Engineering.

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. B.S.V. Rama Rao**. 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-2021-22

S.N O	Name of the Faculty	Title of the Paper	Month and year of publicatio n	Name of journal	ISSN/DO Number
1	Mr.S.Srikanth Dr. BSV Ramarao	Flow behaviour on grooved pipe A CD- nozzle using CFD	September 2021	JEITR	2349-5162
2	Dr.G.Satish Dr.S.Sambhu prasad	Studies based on CFD behaviour of aerofoil and regression analysis	October 2021	Universal wiser	10.37256/e st.3120221 121
3	CH Vijay Krishna Rao Dr S. Sambhu Prasad Mr N. Raghuveer	A Study Of FRP Composite Properties And Comparison Of Properties To Analyze Fatigue Strength And Fracture	October 2021	The International journal of analytical and experimenta l modal analysis	0886-9367
4	M. Naga Chakravarthi Mr. G. Avinash Mr. A. Phani Bhaskar	Analysis Of Noise Reduction In Rotor Blade Of Helicopter Using Different Materials	October 2021	The International journal of analytical and experimenta l modal analysis	0886-9367
5	Mrs.K.Aravinda Mr.V.Naga babu	Design and analysis of Indian rail wheel assembly for super elevation	November 2021	The International journal of analytical and experimenta l modal analysis	0886-9367
6	Mr.A.Phani Bhaskar Mr.A.Yeswanth Mr.N.Raghuveer	Optimisation of pintle injector positionofcontrol thrust propulsion	Jan-22	imanager	Volume 12 issue1

7	SriRamDeepak Akella, Akella Yeswanth, Pasikanti Gayathri,	Mathematical modeling and analysis of a hydrogen based internal combustion engine	Apr-22	Technical Journal of Daukeyev University.	Volume 2, Issue 1, 2022, pp.11-20 http://dx.doi.org/10.52542/tjdu.2.1.11-20
8	Mr.A.Yeswanth Mrs.P.Gayathri	Mathematical modelling and analysis of a hydrogen based internal combustion engine	Apr-22	Technical journal of Daukeyev university	Volume 2 issue 1
9	Dharmalingam Ramasamy	Optimization of engine parameters using NSGII for the comprehensive reduction of emissions from VCR engine fuelled with ROME biodiesel	Apr-22	Environmental Science and Pollution Research	https://doi.org/10.1007/s11356-022-19752-4
10	Sri Ram Deepak Akella Yeswanth Akella Gayatri Pasikanti	Design and Analysis of six- stroke engine by using the alternative fuel to enhance thermal efficiency	Apr-22	i-manager's Journal on Future Engineering & Technology	Vol.17, No.3, February - April 2022
11	Dr.G.Satish	Effect of flow variation in the Pelton wheel nozzle by design modification of spear", A	May-22	UPET Press Technical Journal of Daukeyev University,	Vol.2, No.1, pp.21-33, May 2022.
12	Mr.MS Sunil Raj, Dr G Avinash	DESIGN, MODELING & SIMULATION OF A THERMOELECTIVE COOLING SYSTEM (TEC)	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150

13	Mr.G.Avinash, Mr. B. Bharat Kumar	RECONSTRUCTI ON AND SEGMENTATION OF CANCER AFFECTED PATIENT'S LOWER JAW, DEVELOPING CAD MODEL OF CANCER PART AND RAPID PROTOTYPING	May-22	Internationa lJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
14	Mr.D.J.Johnson, Mr. B. Hari Krishna	CAD MODELLING OF HUMAN ANKLE FROM (T & MRI.SCAN TO STUDY THE BONE DISLOCATION AND PLANNING OPERATION METHODOLOGY BY USING SLICER SOFTWARE	May-22	Internationa lJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
15	Mr.M.SunilRaj, Ms. K. Tulasi	EXPERIMENTAL INVESTIGATION ON EFFECT IF KATER WIDTH ON DIMENSIONAL ACCURACY OF FOMBUILD PARTS	May-22	Internationa lJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
16	Mr.S.Srikanth, Mr.MSunilRaj	ANALYSIS OF G- CODES ON FDM BUILDPARTSTO ACHIEVE THE EXACT HEIGHT OF CAD MODEL	May-22	Internationa lJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
17	Mrs.K.Aravinda, Mr. G. Avinash	ANALYSISOF EFFECT OF PROLESS PARAMETERS ON FUSED DEPOSITION MODELING TECHNIQUES	May-22	Internationa lJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150

18	Mr.GVNSantosh, Dr.B.S.V.RamaRao	DESIGN AND ANALYSIS OF CAM SHAFT &DEVELOPMENT OF CAM CODE FOR DIE MANUFACTURING	May-22	International Journal for Research in Engineering Application &Management (IJREAM)	2454-9150
19	Mr. G.V.N.Santhosh, Mr.A.Yeswanth	MODELINGAND DAMPING ANALYSIS OF HIGH GRADE STEEL ALLOY DRIVESHAFTIN AUTOMOBILE	May-22	International Journal for Research in Engineering Application &Management (IJREAM)	2454-9150
20	Mr.N. Raghuv Ms.M. Amrutha	DEVELOPMENT AND RECONSTRUCTION OF SPIRAL CORD FROM CT SCANFILESAND RPTESTIMATION ANALYSIS	May-22	International Journal for Research in Engineering Application &Management (IJREAM)	2454-9150
21	Mr.V.V.N.Sarath, Mrs. P. Gayathri	EXPERIMENTAL ANALYSIS ON OPTIMIZATION OF PROCESS PARAMETERSIN FUSED DEPOSITION MODELLING	May-22	International Journal for Research in Engineering Application &Management (IJREAM)	2454-9150
22	Mr.P.Ram Prasad, Mr.A.Phani Bhaskar	EXPERIMENTAL INVESTIGATION OF SURFACE FINISH ENHANCEMENT OF FUSED DEPOSITON MODELED PARTS	May-22	International Journal for Research in Engineering Application &Management (IJREAM)	2454-9150
23	Mr.A.Phani Bhaskar, Mr. P. Ram Prasad	RECONSTRUCTION OF KNEE JOINTBY USING 3 MATICS AND MIMICS AND DESIGN AND ANALYSIS OF KNEE JOING PLATE FOR MAXIMUM	May-22	International Journal for Research in Engineering Application &Management (IJREAM)	2454-9150

		LOADING CONDITION			
24	Mrs.P.Gayathri, Mr. V.V.N.Sarath	OPTIMIZATION OF SUPPORT STRUCTURESTO MINIMISE THE DISPLACEMENT OF STANDARD E8 ASIM SPECIMEN (TENSILE)	May-22	Internationa lJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
25	Dr.B.S.V.Rama Rao, Mr.M.SunilRaj	COMPUTATIONA L FLUID DYNAMICS AND HEATTRANSFER IN A MICRO CHANNEL	May-22	Internationa lJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
26	Ms.M.Amrutha, Mr. G.V.N.Santhosh	PERFORMANCE IMPROVEMENT OF AN ORGANIC RANKINECYCLE USING LOW GRADE THERMAL ENGINEERING INPUT FROM A COMPOUND PARABOLIC COLLECTOR	May-22	Internationa lJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
27	Mr.A.Yeswanth, Mrs. K.Aravinda	DESIGN AND ANALYSIS OF AIRCRAFT TELESCOPIC WING AND MATERIAL OPTIMIZATION	May-22	Internationa lJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
28	Mrs.K.Aravinda, Mr. D.J.Johnson	RECONSTRUCTI ON, SEGMENTATION AND SMOOTHING OF TIBIA AND FIBULA PARTS FROM KNEE JOING ASSEMBLYAND RPT ESTIMATION &MATERIAL CONSUMPTION	May-22	Internationa lJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150

29	Ms. K. Tulasi, Mr.S.Srikanth	PRODUCT DESIGN AND DEVELOPMENT USING 3D TECHNOLOGY BY FUSED DEPOSITION MODELLING	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
30	Mr.B.Hari Krishna, Mr.DJJohnson	CFD OF HEAT TRANSFER IN DOUBLE PIPES HEAT EXCHANGER USING FLUENT.	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
31	Mr.SSrikanth, Mr.G.Avinash	DESIGN AND TOPOLOGY OPTIMISATION OF TRUCK CHASSIS FOR MAXIMUM STIFFNESS TO REDUCE THE WEIGHT USING ALTAIR INSPIRE	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
32	Mr.B.Bharat Kumar, Mr.N. Raghuvver	CFD ANALYSIS OF A FINNED TUBE WITH DIFFERENT CROSS SECTIONS TO IMPROVE THE HEAT TRANSFER RATE	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
33	Mr. G.V.N.Santhosh, Mr. V.V.N.Sarath	THERMAL ANALYSIS OF SOLAR AIR HEATER USING CFD AS A TOOL	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
34	Mr.S.Srikanth, Mr. P. Ram Prasad	DESIGN AND ANALYSIS OF THREE PLATE INJECTION MOVED	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150

35	Mrs.K.Aravinda, Mrs.P.Gayathri	MODELLING AND MASS OPTIMIZATON OF CNC MACHINE ARBOR FOR MAXIMUM CUTTINGFORCE BY USING ALTAIRINSPIRE SOFTWARE	May-22	Internationa IJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
32	Mr.D.J.Johnson, Ms.M. Amrutha	CFDANLYSISOF WHOLE INSPIRED HYDROFOIL WITHDIFFERENT ANGLES OF ATTACK.	May-22	Internationa IJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
33	Mr.M.SunilRaj, Mr. B. Bharat Kumar	OPTIMIZATION OF SUPPORT STRUCTURESTO AVOID THE LIFT OFF OF PRINTING COMPONENT FOR RENISHAW AM 240 MACHINES.	May-22	Internationa IJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
34	Mr. V. V. N. Sarath, Dr. G. Avinash	DESIGN AND ANSLYSIS OF SCREW OPERATED GRIPPERAND RPT ESTIMATION.	May-22	Internationa IJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
35	Mr.B.Bharat Kumar, Mr.D.J.Johnson	DESIGN MODELLING ANDANALYSIS OF FRONT WHEEL ASSEMBLY OF BAJA SAE VEHICLE	May-22	Internationa IJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
36	Mr.B.Hari Krishna, Mr.M.SunilRaj	DESIGN AND ANSLYSIS OF AIRCRAFT ENGINE COOLINGFAN	May-22	Internationa IJournal for Research in Engineering Application &Managem ent	2454-9150

37	Ms. K. Tulasi, Mr.S.Srikanth	THERMAL ANALYSIS OF ENGINE CYLINDER PINS TO OPTIMIZE SHAPE TO IMPROVE THE HEAT TRANSFER RATE.	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
38	Mrs.P.Gayathri, Mrs. K.Aravinda	GEOMETRY AND LOCATION OPTIMIZATION OF WAVY FLAG TO IMPROVE HEAT TRANSFER RATE VORTEX GENERATOR.	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
39	Mr. G. Avinash, Mr.N.Raghuveer	FORCED CONVECTION STUDIES WITH DIFFERENT GEOMETRIES IN TUBE BANK ARRANGEMENT USING CFD.	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
40	Dr.B.S.V.Rama Rao, Mr. G.V.N.Santhosh	EFFECT OF LAYER HEIGHT ON FINAL DIMENSIONAL ACCURACY OF SLM PRINTING MACHINE.	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
41	Mr.A.Yeswanth, Mr.N.Raghuveer	3D PRINTING THERMO MECHANICAL ANALYSIS OF CARBURETOR FOR OPTIMISED ORIENTATION FOR SLM 280M/C	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
42	Ms.M.Amrutha, Mr. V.V.N.Sarath	OPTIMIZATION OF LASER POWER TO AVOID THE THERMAL STRESSES IN THE METAL AM PROCESS TO AVOID LIFTOFF OF THE BUILD PART	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150

43	Mrs.P.Gayathri, Mr. P. Ram Prasad	EFFECT OF LAYERHEIGHT AND PRINT SPEEDONPINT FINE ESTIMATION AND COST ANALYSIS	May-22	Internationa IJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
44	Mr.A.Phani Bhaskar, Mrs.P.Gayathri	BUCKLING ANALYSIS OF CANTILEVER TWISTED FGM PLATE FOR BUCKLINGLOADA NDNON- BUCKLING DIMENTIONAL BUCKLINGLOAD	May-22	Internationa IJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
45	Mr.P.Ram Prasad, Mr.A.Phani Bhaskar	DESIGN AND ANALYSIS OF UNEVEN TERRIAN FREIGHT TANSPERTATIO N MECHANISM	May-22	Internationa IJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
46	Mr. V. V. N. Sarath, Ms. K. Tulasi	DESIGN AND RIGIDDYNAMIC ANSLYSIS OF ENGINE CYCLINDER WITH INTERGRATED MASS	May-22	Internationa IJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
47	Ms.M.Amrutha, Mr. V. V. N. Sarath	OPTIMIZATION OF LASER POWER TO AUDIO THE THERMAL STRESSES IN THE METAL AM PROCESS TO AVOIDLIFTOFF OF THE BUILD PART	May-22	Internationa IJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150
48	Mrs.P.Gayathri, Mr. P. Ram Prasad	EFFECT OF LAYERHEIGHT AND PRINT SPEEDONPINT FINE ESTIMATION AND COST ANALYSIS	May-22	Internationa IJournal for Research in Engineering Application &Managem ent (IJREAM)	2454-9150

49	Mr.A.Phani Bhaskar, Mrs.P.Gayathri	BUCKLING ANALYSIS OF CANTILEVER TWISTED FGM PLATE FOR BUCKLINGLOAD AND NON-DIMENSIONAL BUCKLINGLOAD	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
50	Mr.P.Ram Prasad, Mr.A.Phani Bhaskar	DESIGN AND ANALYSIS OF UNEVEN TERRAIN FREIGHT TRANSPORTATION MECHANISM	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
51	Mr.V.V.N.Sarath, Ms. K. Tulasi	DESIGN AND RIGID DYNAMIC ANALYSIS OF ENGINE CYLINDER WITH INTEGRATED MASS OPTIMIZATION OF CONNECTING LINK TO REDUCE THE WEIGHT FOR MAXIMUM STIFFNESS CONDITION	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
52	Mr.N. Raghuvver, Mr. B. Hari Krishna	DESIGN AND SIMULATION OF DISC BRAKE ROTOR BY USING TAGUCHI ANALYSIS TO STUDY THE MAJOR INFLUENCE ON MECHANICAL BEHAVIOUR OF BAJAJ PULSAR 150CC	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150

53	Mr.MSunilRaj, Dr.B.S.V.Rama Rao	DETERMINATION OF OPTIMUM SCANNING SPEED TO REGULATE PERFORMANCE CHARACTERISTICS OF SPUR GEAR THROUGH SIMULATION OF 3D PRINTING	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
54	Mr.M.SunilRaj, Ms.M. Amrutha	STRUCTURE ANALYSIS OF EARTH AUGUR BIT	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
55	Mr. G.V.N.Santhosh, Mr.A.Yeswanth	MODELLING AND 3D PRINTING SIMULATION OF JET ENGINE PROPELLER WITH MINIMUM PRINTING TIME ORIENTATION OPTIMISATION	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
56	Mrs.K.Aravinda, Mr. A Phanibhaskar	MODELLING AND STRUCTURAL ANALYSIS OF PELTON WHEEL TURBINE AT MAXIMUM LOAD CONDITION	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
57	Mr.D.J.Johnson, Ms. K. Tulasi	DESIGN AND MODELLING OF FRANCIS TURBINE BT USING GENERATIVE SHAPE DESIGN	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
58	Mr.S.Srikanth, Mr. B. Hari Krishna	OPTIMIZATION OF PRINTING PROCESS PARAMETERS TO AVOID THE PLASTIC STRAIN DURING THE	May-22	International Journal for Research in Engineering Application & Management	2454-9150

		PRINTING OF MICRO CHANNE		(IJREAM)	
59	Ms.M.Amrutha, Mr. B. Bharat Kumar	MODELLING AND MATERIAL OPTIMIZATION OF PISTON HEAR TO SUSTAIN HIGHER LOADS WITHOUT FAILURE	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
60	Mr. G. Avinash, Mr.A Yeswanth	RECONSTRUCTION AND MODELLING OF HIP JOINT BY USING 3D SLICER AND RAPID PROTOTYPING ESTIMATION	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
61	Mr.N. Raghuv eer, Mr. G.V.N.Santhosh	MASS OPTIMIZATION OF BRAKING PEDAL AND SIMULATION 3D METAL PRINTING PROCESS TO STUDY THE TEMPERATURE DISTRIBUTION	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
62	Mr.V.V.N.Sarath, Mr. S.Srikanth	A PURE THERMAL ANALYSIS OF 3D PRINTING OF ENGINE HEAD OF DIFFERENT LASER POWER FOR OPTIMIZATION OF THERMAL DISTRIBUTION	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
63	Mr.P.Ram Prasad, Mrs. K.Aravinda	MODELING AND TOPOLOGY OPTIMIZATION OF CAR RIM TO REDUCE THE WEIGHT OF THE WHEEL FOR	May-22	International Journal for Research in Engineering Application	2454-9150

		MAXIMUM STIFFNESS CONDITION USING ALTAIR INSPIRE		&Management (IJREAM)	
64	Mrs.P.Gayathri, Mr. D.J.Johnson	DESIGN AND PRECISION STEERING MECHANISM ANDMOTION STUDY OF ACKRIMOON MACHANISM FORA4WHEEL VEHICLE WITH MIN ERROR %	May-22	International Journal for Research in Engineering Application &Management (IJREAM)	2454-9150
65	Ms.M.Amrutha, Mr. M.Sunil Raj	DESIGN AND MASS OPTIMIZATION OF STEERING ARM FOR METAL ADDITIVE MANUFACTURING AND SIMULATING3D PRINING PROCESS TO AVOID WRAPAGE FAILURE	May-22	International Journal for Research in Engineering Application &Management (IJREAM)	2454-9150
66	Mr. G.V.N. Santhosh, Mr.M.Rambabu	LINEAR LAYER ANALYSIS OF MONOLEAFWITH FUNCTIONALLY GRADED MATERIALSUSING FEA TECHNIQUE	May-22	The International journalofanalytical and experimental modal analysis	0886-9367
67	Mrs.K.Aravinda, Mr.V.Nagababu	Designandanalysis ofIndianrailwheel assembly for super elevation	May-22	The International journalofanalytical and experimental modal analysis	0886-9367

68	Mr.G.Avinash, Mr. A. Phani Bhaskar	Analysis Of Noise Reduction In Rotor BladeOfHelicopter Using Different Materials	May-22	The Internationa l journalofana lytical and experimenta l modal analysis	0886-9367
69	DrS.Sambhu Prasad, Mr N.Raghuveer	A Study Of FRP Composite Properties And Comparison Of Properties To Analyze Fatigue Strength And Fracture	May-22	The Internationa l journalofana lytical and experimenta l modal analysis	0886-9367
70	Dr.G.Satish	2-DAerodynamical Analysis on Car BodyUsingTaguchi DesignOptimization	Jun-22	IJMER	Vol.11,No. 5(3),pp.84- 94, June2022.

Conferences attended by FACULTY IN AY-2021-22

S. N O	Name of Teacher who attended the programme	Title of the paper	Place	Name of the conference	Date
1	Dr.G.Satish	Performance and emission characteristics of Diesel engine with Linseed oil-diesel blends as fuel with VCR	Narsaraopeta Engineering college	ICETM EIA 2k21	30-7-2021 to 31-7-2021
2	Dr.G.Satish	Fluid flow and heat transfer over a double forward-facing step with obstacles	vemu Institute of Technology	CRATE 2021	13-8-2021 to 14-8-2021
3	Dr.Dharmalingam	Design and analysis of eco challenge car chassis with different profiles	CSI college of engineering	ICEMST ONLINE	10-9-2021 TO 11-9-2021
4	Dr.Dharmalingam	Numerical simulation of ship blast Analysis using Ansys software	CSI college of engineering	ICEMST ONLINE	10-9-2021 TO 11-9-2021
5	Mr.V.V.N.Sarath	Performance analysis of a 5 stroke IC Engine by changing different fuels	NIT Rourkela, Odisha	ICPCM 2021	7-12-2021 to 8-12-2021
6	Dr.Dharmalingam	Dry sliding wear behaviour of AA6082 reinforced with sic particles through ex-situ casting techniques	Sri venkateswara college of engineering and technology	ITRS 2021	8-12-2021 to 10-12-2021
7	Dr.Dharmalingam	optimisation of properties of nano fluids to enhance the heat transfer characteristics and collector efficiency of solar flat plate collector using MCDM TECHNIQUE	Heat pump research institute	ICTAES 2021	22-12-2021 TO 24-12-2021
8	Dr.Dharmalingam	Studies on engine vibration isolation behaviours of AL 6061 SIC metal matrix Engine mounts for diesel engine	Heat pump research institute	ICTAES 2021	22-12-2021 TO 24-12-2021

9	Mr. V. V. N Sarath	Influence of filler material on Natural fiber and its properties	SB Jain institut of science and technology, management and research	ICAST M	23-12-2021 TO 24-12-2021
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FACULTY DEVELOPMENT PROGRAMMES IN THE AY-2021-22

S. N O	NAME OF THE FACULTY	TITLE	VENUE	DURATION	DURATIO N
1	Dr.G.Satish	One-week National level Training ProgramDST Sponsored on “Vibration-based Product Quality and Condition Monitoring System in Advanced Manufacturing”	VFSTR and GITAM.	18-5-2022to25-5-2022	oneweek
2	Mr.A.Yeswanth	Microsoft Security Fundamentals	JNTUK	07-05-2022	ONEDAY

WORKSHOPS ATTENDED BY FACULTY IN 2021-22

S.NO	Name of the Faculty	Workshop Name	Conducted by	Duration
1	Dr. R. Dharmalingam	Turnip Innovations	Patent Course	03.08.2021 to 17.08.2021
	Mr.B.Bharath kumar Ms.K.Tulasi	Impact lecture session 2;lecture 1 on "Institutional assistance in promoting Entrepreneurship"	Pragati Engineering college	08-10-2021
2	Mr.A.Yeswanth			
3	Mr.B.Bharath kumar	Impact lecture session 2;lecture 2 on "Role of innovation and entrepreneurship in professional education for a successful career"	Pragati Engineering college	09-10-2021
	Ms.K.Tulasi			
	Mr.A.Yeswanth			
4	Dr.R. Dharmalingam	Intellectual Property	Banana IP Counsel	27-05-2020 To 17.07.2021
5	Mr.B.Bharathkumar			



**“STUDENT
ACTIVITIES”**

NSS ACTIVITIES

Sl No.	Date	Name of the Activity	No.of Students participated
1	28.4.2021	Online Interstate Quiz Competition-An EBSB activity	2
2	3.6.21	Young Warriors Ambassadors Registration-2021	3
3	5.6.21 to 25.6.21	Each One Reach One -Psychological Support -Covid Affected	3
4	21.6.21	International Yoga Day 2021	13
5	2.9-.2021 (Swachhata Pakhwada 2.9-21 to 15.2021)	Swachhata Pakhwada 2021: Swachata pledge followed by Sapling plantation by Volunteers in their neighbourhood surroundings	4
6	09-07-2021	Online poster or Slogan writing	5
7	09-11-2021	Clean Kitchen, Healthy Family –A Pogramme for Girl Child- AStudent Presentation (Online)	4
8	13-09-2021 & 14-09-2021	A programme on Plastic Waste recycling- Student Seminars	2
9	15-09-2021	Innovative Technologies on Solid Waste Management- Poster/PPT/Project Model Display.	6
10	31-10-2021	Ekta Diwas Pledge	38
11	26-11-2021	Constitution Day - A Mass Pledge	12
12	17-12-2021	Blood Donation Camp	7
13	01-07-2022	“Swatch Bharat awareness Program”	1
14	14-3-2022 to 20-3-2022	NSS Special Camp 2021-2022 (Suramaplem)	8
15	04-08-2022	Blood Donation Camp at JNTUk Kakinada	7
16	05-11-2022	Community Development Workshop at JNTUK, Kakinada	20
17	14-3-2022to20-3-2022	NSS SpecialCamp2021-2022 (Suramaplem)	8
18	08-04-2022	Blood Donation Campat JNTUK Kakinada	7
19	11-05-2022	Community Development Workshop At JNTUK, Kakinada	20



NCC ACTIVITIES

16 Students had participated in the event of 'RASTRAGAAN' (An initiative by the ministry of culture of mark AZADI KA AMRIT MAHOTSAV) on august 14th 2021.

S.N O	REGIMENT AL NUMBERS	RAN K	NAME OF THE CADET	ROLL.NO	BRAN C H	SECTI O N
1	AP19SWA320216	CPL	K. MAHESWARI	18A31A0304	MECH	A
2	AP19SDA340742	CJUO	K. SANDEEP KUMAR	18A31A03C 4	MECH	C
3	AP19SDA340748	SGT	V.PAVAN KUMAR	18A31A0351	MECH	A
4	AP19SDA340749	LCPL	Y.S.PRABHAKARA MURTHY	18A31A0352	MECH	A
5	AP19SDA340753	CDT	B.VENKATA ABHINAV	18A31A03G 2	MECH	D
6	AP19SDA340755	LCPL	CH.DORABABU	18A31A0316	MECH	A
7	AP19SDA340760	CQ M S	K.SRINIVAS TRIGUN	18a31a03b9	MECH	C
8	AP20SDA340743	CDT	L.SAI TARUN KUMAR	19A31A03B 7	MECH	C
9	AP20SDA340744	CDT	K.MOHAN ADITHYA	20A35A0356	MECH	B
10	AP20SDA340747	CDT	B.BHASKAR SIMHA	19A31A03E 7	MECH	D
11	AP20SDA340749	CDT	K. HARI HARA KRISHNA PRASAD	19A31A03B 2	MECH	C
12	AP20SDA340750	CDT	N.YASHODA NAGA SAI KRISHNA	20A35A0341	MECH	C
13	AP20SDA340751	CDT	U.TEJA SRI DURGA PRAVEEN	19A31A03H 7	MECH	D
14	AP20SDA340752	CDT	R.MANIKANTA	19A31A0394	MECH	B
15	AP20SDA340755	CDT	K.SABAREESWARA GANESH	20A35A0342	MECH	C
16	AP20SDA340758	CDT	R.SRI SAI KAMALNADH	19A31A03D 0	MECH	C



16 students had attended for Annual Training Camp -1 held at Sri Prakash Vidya Niketan, Diwancheruvu from 24-09-2021 to 30-09-2021.

S.N O	REGIMENTAL NUMBERS	RANK	NAME OF THE CADET	ROLL.NO	BRANCH	SECTION
1	AP19SWA320216	CPL	K. MAHESWARI	18A31A0304	MECH	A
2	AP19SDA340742	CJUO	K. SANDEEP KUMAR	18A31A03C4	MECH	C
3	AP19SDA340748	SGT	V.PAVAN KUMAR	18A31A0351	MECH	A
4	AP19SDA340749	LCPL	Y.S.PRABHAKARA MURTHY	18A31A0352	MECH	A
5	AP19SDA340753	CDT	B.VENKATA ABHINAV	18A31A03G2	MECH	D
6	AP19SDA340755	LCPL	CH.DORABABU	18A31A0316	MECH	A
7	AP19SDA340760	CQMS	K.SRINIVAS TRIGUN	18a31a03b9	MECH	C
8	AP20SDA340743	CDT	L.SAI TARUN KUMAR	19A31A03B7	MECH	C
9	AP20SDA340744	CDT	K.MOHAN ADITHYA	20A35A0356	MECH	B
10	AP20SDA340747	CDT	B.BHASKAR SIMHA	19A31A03E7	MECH	D
11	AP20SDA340749	CDT	K. HARI HARA KRISHNA PRASAD	19A31A03B2	MECH	C
12	AP20SDA340750	CDT	N.YASHODA NAGA SAI KRISHNA	20A35A0341	MECH	C
13	AP20SDA340751	CDT	U.TEJA SRI DURGA PRAVEEN	19A31A03H7	MECH	D
14	AP20SDA340752	CDT	R.MANIKANTA	19A31A0394	MECH	B
15	AP20SDA340755	CDT	K.SABAREESWARA GANESH	20A35A0342	MECH	C
16	AP20SDA340758	CDT	R.SRI SAI KAMALNADH	19A31A03D0	MECH	C



The 75th independence day conducted on 15 August 2021 was attended by a total number of 36 cadets both consisting of b and c cadets. The flag hoisting was done on this event in the presence of the ano, caretaker, and all the management faculty in the college.



Students & cadets of the 104-b company of pragati engineering college had participated in fit india movement conducted in the period of 13-8-21 to 2-10-21.



STUDENT ACHEIVEMENTS

STUDENT CONFERENCES

ROLL.NO	NAME OF THE STUDENT	TOPIC	EVENT	DATE	AWARDED/ PARTICIPATED
18A31A0311	BEJAWADA JAGADISHVARA	ETG: Certificate for the BITE21 on Design F1 Mercedes RaceCar's Steering System	Conferences	16-07-2021	Participation
19A31A0397	TIRAGATI VIKAS	Online University visit	Conferences	09-03-2022	Participation

STUDENT WORKSHOPS

ROLL.NO	NAME OF THE STUDENT	TOPIC	EVENT	DATE	AWARDED/ PARTICIPATED
20A31A0301	GORRELA SRI UMASAI SAHANA ISHWARYA	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.SatyaSiddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
20A31A0302	GUNAPALLI V V K SAIMADHURI	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.Satya Siddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
20A31A0303	KOKKIRIM ETLA JYOTHI	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.SatyaSiddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
20A31A0305	SALADI CHANDANASAI VENKATA NOOKARATNA M	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.SatyaSiddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
20A31A0328	KOPPADI GIRIDHAR	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.Satya Siddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated

20A31A0373	ERANKI V S S KAMESWARA SASTRY	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.Satya Siddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
20A31A0393	SAYED NOOR AHAMAD MOHIDDIN	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.Satya Siddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
21A35A0326	SHAIK MANSUR ALI	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.Satya Siddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
19A31A0310	BADAPATI DHANA VIJAY	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.Satya Siddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
19A31A0358	MANUKONDA SANTHI PRIYA	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.SatyaSiddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
19A31A0363	BOBBARA LAKSHMI SHARANAM KURAM	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.Satya Siddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
19A31A0377	KOSIREDDI VEERA VENKATA SATYANARAY ANA	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.Satya Siddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
19A31A03E3	AKELLA SRI RAM DEEPAK	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.Satya Siddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
19A31A03H9	VUTA MADHU	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.Satya Siddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
20A35A0325	KATAKAM SAI SURESH	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.Satya Siddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated

20A35A0308	KOTIKALAPUDI SRIVAN KUMAR	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.Satya Siddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
20A35A0316	SARNAM VARAHALU	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.Satya Siddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
20A35A0326	GANTETI NOOKARAJU	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.Satya Siddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
20A35A0332	VEMULURI VENKATA SAI KUMAR	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.Satya Siddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
18A31A0324	GOLLAPALLI ARAVIND	Online workshop on "Entrepreneurship and Innovative career opportunities by Mr.Satya Siddhardha Panda	Institution Innovation Council (IIC), Pragati Engineering College	3.12.2021	Participated
19a31a03e3	A.SRI RAM DEEPAK	Mechanics of Materials : Fundamentals of Stress Strain and Axial Loading	Georgia Institute of Technology	24.12.2021	Participated
19A31A0303	KUMPATLA SRIVANI	Electric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
19A31A0304	ROUTHU SRIHITHA	Electric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
19A31A0306	ADAPA LEELA RENUKADEVI	Electric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
19A31A0310	BADAPATI DHANA VIJAY	Electric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
19A31A0340	PONNADA PAUL RAJESH	Electric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
19A31A0341	PULUGU RAJABABU	Electric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
19A31A0346	S KUMARA KAILASH SAI RAJ	Electric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
19A31A0350	SARELLA BHANU PRAKASH	Electric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated

19A31A0352	T RAJ KUMAR	Elerctric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
19A31A0355	VELAMARTHI PURNA SHIVA SHANKAR	Elerctric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
20A35A0301	G APARNA	Elerctric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
20A35A0302	P Y S D SANJANA	Elerctric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
20A35A0304	M RAJESWARI	Elerctric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated

STUDENT PAPER PRESENTATION

Roll Number	Name of the Student	Topic	EVENT	DATE	AWARDED/ PARTICIPATED
20A35A0359	MULLAPUDI THARA CHAND	Hyperloop	PAPER PRESENTATION	23.12.2021	1st
20A35A0362	MOHAMMAD SADIQ AHMED	Hyperloop	PAPER PRESENTATION	23.12.2021	1st
19A31A03E3	AKELLA Sai Deepak	ROCKET PROPULSION	PAPER PRESENTATION	23.12.2021	3rd
18A31A0328	JALLI SATISH CHARAN	Materials for rockets and missiles	PAPER PRESENTATION	23.12.2021	Participated
19A31A03E6	Ayinaivilli Sai Dinesh	Industry 4.0	PAPER PRESENTATION	23.12.2021	Participated
19A31A03H2	R.V.V.Ganesh	Industry 4.0	PAPER PRESENTATION	23.12.2021	Participated
20A31A0336	NAIDU NAGA SURYA	Artificial Intelligence	PAPER PRESENTATION	23.12.2021	Participated
20A31A0363	BONGU.SANJAY	5G WIRELESS TECHNOLOGY	PAPER PRESENTATION	23.12.2021	Participated
20A31A0363	BONGU.SANJAY	5G WIRELESS TECHNOLOGY	PAPER PRESENTATION	23.12.2021	Participated
20A31A0398	THONDAVARAPU V V D Mahesh	E Learning	PAPER PRESENTATION	23.12.2021	Participated
20A35A0345	Periseti Veera Rajesh	Ocean Thermal Energy	PAPER PRESENTATION	23.12.2021	Participated
20A35A0345	Pasila lokesh satya vardhan	Ocean Thermal Energy	PAPER PRESENTATION	23.12.2021	Participated
20A35A0347	Sk H K Rehaman	Nanotechnology	PAPER PRESENTATION	23.12.2021	Participated
20A35A0348	P.M.L.SANDEEP	MULTI FUEL ENGINE	PAPER PRESENTATION	23.12.2021	Participated
20A35A0351	D.VIVEK BABU	Nanotechnology	PAPER PRESENTATION	23.12.2021	Participated

20A35A0353	P. Himanth Satya Manohar	Tesla Turbine	PAPER PRESENTATION	23.12.2021	Participated
20A35A0354	S.V.S.E.DAMODAR BABU	Tesla Turbine	PAPER PRESENTATION	23.12.2021	Participated

STUDENT PUBLICATIONS

Sl. No	PIN Number	NAME OF THE STUDENT	YEAR-SECTION	EVENT HELD	Paper Title	PUBLICATION
1	19A31A03E3	Sri Ram Deepak Akella	IV-D	Apr-22	Mathematical modeling and analysis of a hydrogen based internal combustion engine	Technical Journal of Daukeyev University, Volume 2, Issue 1, 2022, pp. 11-20
2	19A31A03E3	Sri Ram Deepak Akella	IV-D	Apr-22	Design and Analysis of six-stroke engine by using the alternative fuel to enhance thermal efficiency	i-manager's Journal on Future Engineering & Technology, Vol. 17, No. 3, February - April 2022

RESEARCHER

Sl. No	PIN Number	NAME OF THE STUDENT	YEAR-SECTION	EVENT	TOPIC	RESEARCHER AT
1	19A31A03E3	Sri Ram Deepak Akella	IV-D	Life time researcher	Atal Yaan reusable launch Vehicle	ORBIT INDIA AEROSPAC E



**“TRAINING
&
PLACEMENTS”**



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-2021-22

S.NO	HTNO	NAME	Company Name	Pay package at appointment (In INR per annum)
1.	17A31A0301	AISHWARYA ROY	MULTIPLIER IT SOLUTIONS INDIA PVT LTD	1.80
2.	17A31A0303	CHANDRA JOSHINI	ACCENTURE	4.50
3.	17A31A0304	KAJA SAI SRI DHARANI	SAVANTIS	2.22
4.	17A31A0305	KANDULA ANJANA	TCS	3.36
5.	17A31A0306	LANKA MADHURI	TCS	3.36
6.	17A31A0307	NARAHARISSETTI TEJASWI	HYUNDAI	3.70
7.	17A31A0311	BODA L NARAYANA VEERA JAGANNADHA SUBHASH	INFOSYS	3.00
8.	17A31A0312	BOGADI MANOJ VENKATA KUMAR	TCS	3.36
9.	17A31A0316	DEGALA VEERA VENKATA DURGA KISHORE	TCS	3.36
10.	17A31A0317	G SANDEEP	ONEGENE	2.00
11.	17A31A0321	KASAPU SAI MANIKANTA	ACCENTURE	4.50
12.	17A31A0322	KATTU PRASANTH	TCS	3.36
13.	17A31A0323	KOMMANTI NAVEEN DARAHAS	ACCENTURE	4.50
14.	17A31A0324	KOTHA LAKSHMI RAJ KOUSHIK	ONEGENE	2.00
15.	17A31A0326	KURRA SWAMY	ONEGENE	2.00
16.	17A31A0328	MALLIPAMULA SIVA NAGA NOOKARAJU	TCS	3.36
17.	17A31A0338	PONAGANTI UMA MAHESH	WOOSU	2.15
18.	17A31A0340	RAAVI SATISH	TCS	3.36
19.	17A31A0341	REDDY ACHYUTA SRI SAI	ACCENTURE	4.50
20.	17A31A0342	RUTTALA SIVA	DEVELOP TREES IT SOLUTIONS	1.20
21.	17A31A0352	THOTA SAI SARAN	WOOSU	2.15
22.	17A31A0353	VADAPARTHI SAI UDAY BHANU	WOOSU	2.15
23.	17A31A0355	VASAMSETTI VEERA AMARENDRA	ACCENTURE	4.50
24.	17A31A0359	KONDETI JAYA DURGANJALI	TCS	3.36
25.	17A31A0360	KUPPILI PADMINI	ACCENTURE	4.50
26.	17A31A0362	MAHBOOB SHAHEEN	ACCENTURE, SAVANTIS	4.5, 2.2
27.	17A31A0364	NEDUNURI SAI AKHILA AMRUTHA	ACCENTURE	4.50
28.	17A31A0365	OGGU VENKATA SATYA RAMYA DEEPTHI	TCS	3.36
29.	17A31A0367	RAGU SATYA ANANTA PRIYA CHANDINI	ACCENTURE, SAVANTIS	4.5, 2.2
30.	17A31A0369	ANUSURI S V SANDESH	BYJUS	6.50
31.	17A31A0371	BANGARU POORNA CHANDRA MANOJ	INFOSYS	3.00
32.	17A31A0372	BIKKINA GOPALA KRISHNA	ONEGENE, ACCENTURE	2, 4.5
33.	17A31A0373	CHADA JITHENDRA SAI RAJA	WOOSU	2.15
34.	17A31A0374	CHIRINGULA SURESH	TCS	3.36

35.	17A31A0375	DALLI SURYA TEJA REDDY	TCS	3.36
36.	17A31A0377	DUNGA NAGENDRA	TCS	3.36
37.	17A31A0378	GADI VENKAT SANDEEP	TCS	3.36
38.	17A31A0379	GOLI HARI KRISHNA	INFOSYS	3.00
39.	17A31A0385	KOLLA MURALI	WOOSU	2.15
40.	17A31A0386	ALLANKI ANUDEEP	TCS, ACCENTURE	3.36, 4.50
41.	17A31A0388	KOTHA VIGNESWARA VENKATA PHANENDRA GOKUL	INFOSYS	3.00
42.	17A31A0389	KUKKALA YASWANATH TEJA	ACCENTURE	4.50
43.	17A31A0390	KUSUMANCHI SURYA JAYANTH	BYJUS	6.50
44.	17A31A0391	MADETI VEERA VENKATA SAI POCHA GANESH	CAPGEMENI	3.00
45.	17A31A0392	MAGGAM STEEPHEN JEREMIAH	TCS	3.36
46.	17A31A0393	MANDA AKHIL YUVARAJ	WOOSU	2.15
47.	17A31A0394	MANDAPAKA DATTA RAMA RAO	ONEGENE	2.00
48.	17A31A0395	MANDAPALLI BALU	TCS	3.36
49.	17A31A0399	NAKKA SAI SAMPATH KUMAR	ACCENTURE	4.50
50.	17A31A03A0	NEERAGANTI AJAY	ACCENTURE	4.50
51.	17A31A03A4	PEDDAPATI KRANTHI PRAKASH	TCS	3.36
52.	17A31A03A5	PITHANI ANAND RAJ KUMAR	ACCENTURE	4.50
53.	17A31A03A6	RAMESWARAPU ANANTHA LAKSHMAN	ACCENTURE	4.50
54.	17A31A03A8	SATYA RAMESH KOPPISETTI	TCS	3.36
55.	17A31A03A9	SEELAM KUMAR VENKATA SAI	TCS	3.36
56.	17A31A03B3	UNDRU RAVINDRA KUMAR	BYJUS	6.50
57.	17A31A03B5	VUDA ROHIT	DXC	3.00
58.	17A31A03B8	BANTU NARESH KUMAR	TCS	3.36
59.	17A31A03B9	BODAPATI RAJA NAGENDRA	TCS	3.36
60.	17A31A03C3	CHINTHALAPUDI MAHESH BABU	WOOSU	2.15
61.	17A31A03C5	DADI VEERA VENKATA SAI MANOJ	WOOSU	2.15
62.	17A31A03C6	DATLA SEETHA RAMA RAJU	TCS	3.36
63.	17A31A03C9	GEDELA KIRAN	MVS ACMEI TECHNOLOGIES PVT LTD	1.44
64.	17A31A03D0	GOMATHAM HEMANTH	TCS	3.36
65.	17A31A03D1	GOWTHU G VENKATA RAYUDU	INFOSYS	3.00
66.	17A31A03D2	GUBBALA LOKESH	CAPGEMENI	3.00
67.	17A31A03D3	JAGATHA PRAVEEN	INFOSYS	3.00
68.	17A31A03D4	JATLA MANI KUMAR	TCS	3.36
69.	17A31A03D5	KARRI KARTHIK	WOOSU	2.15
70.	17A31A03D6	KALIDINDI MOHAN MURALI	TCS	3.36
71.	17A31A03D7	KASI SALEM BOB	INFOSYS	3.00
72.	17A31A03D8	KASINA SATYA VEERA SRI SAI RAVITEJA	WOOSU	2.15

73.	17A31A03D9	KOPPANA AKHIL VAMSI	ONEGENE	2.00
74.	17A31A03E0	KOTHALA SURYAVADAN	INFOSYS	3.00
75.	17A31A03E1	KOYYALA SIVA VIKAS	ACCENTURE	4.50
76.	17A31A03E2	LODAGALA ASHOK BABU	WOOSU	2.15
77.	17A31A03E4	MADDI MOHAN KALYAN	ACCENTURE,TCS	4.5, 3.36
78.	17A31A03E6	MALLA RAMA VEERA VENKATA SATYA DURGA SAI	WOOSU	2.15
79.	17A31A03E9	MOLLI SATYA PRAVEEN	COGNIZANT	4.01
80.	17A31A03F1	NUKELLA NAGA SRINIVASU	TCS	3.36
81.	17A31A03F3	PEETHA SURESH	WOOSU	2.15
82.	17A31A03F4	PEMMADI VISHNU VARDHAN	AMAZON	3.56
83.	17A31A03F8	SARANAPU VENKATA SATYA MANIKANTA RAVINDRA	ONEGENE	2.00
84.	17A31A03F9	SEELAM SATYA SRINIVAS	WOOSU	2.15
85.	17A31A03G4	SURYA VAMSI CHANDRAKANTH	WOOSU	2.15
86.	17A31A03G5	THOTA S S S VENKATA MANIKANTA	ONEGENE, TCS	2, 3.36
87.	17A31A03G6	V N SAIRAJ	RIDHIRA LIVING PVT. LTD	2.00
88.	17A31A03G7	VADAPALLI PAVAN KUMAR	ONEGENE	2.00
89.	17A31A03G8	VANAPARTHI NAGASAI SABHARISH	DST WORLDWIDE SERVICES INDIA PRIVATE LIMITED	5.47
90.	17A31A03G9	VUNDAVALLI ANAND PRASAD KUMAR	ONEGENE	2.00
91.	17A31A03H2	YALLA S V V S S DATTA SESHADRI	ONEGENE	2.00
92.	17A31A03H3	YALLA SWAROOP GANESH	TCS	3.36
93.	17A31A03H4	YATAM SATYA NAGA CHAKRA MANIKANTA	ONEGENE	2.00
94.	17A31A03H6	A SRI RAMA VENKATA SAI AJAY	ACCENTURE, ONEGENE	4.5, 2
95.	17A31A03H7	ADABALA SAI SANDEEP	TCS	3.36
96.	17A31A03I1	BANDARU KRANTHI KUMAR	TCS	3.36
97.	17A31A03I6	DASARI SHALEM LIVING STONE	WOOSU	2.15
98.	17A31A03I8	DONGALA VEERA SURESH	TCS	3.36
99.	17A31A03J1	GAMPALA JAYAPRAKASH	ACCENTURE	4.50
100.	17A31A03J4	GOLLA V V S SWAMY AYYAPPA	TCS	3.36
101.	17A31A03J5	GOLLAPALLI CHARAN TEJA	ACCENTURE	4.50
102.	17A31A03J7	GURRALA PREM KUMAR	ONEGENE	2.00
103.	17A31A03J8	JAJIMOGGALA SAI SANKHAR	PTWI INDIA PVT LTD	1.89
104.	17A31A03K0	KARAVANJA SURYA TEJA	INFOSYS	3.00
105.	17A31A03K1	KASIPU S G DURGA PRASAD	CAPGEMENI	3.00
106.	17A31A03K3	KONDAPALLI VEERA VENKATA SAI CHANDU	ACCENTURE	4.50
107.	17A31A03K4	KONTHEM SURENDRA VARMA	ONEGENE	2.00
108.	17A31A03K5	KORLA VENKATA HARINADH	TCS	3.36
109.	17A31A03K6	LOKESH SRI SAI VANUMU	SAVANTIS	2.22
110.	17A31A03L1	MULLAPUDI BHANU PRASAD	TCS	3.36

111.	17A31A03L9	KONA PRABHU TEJA	TCS	3.36
112.	17A31A03M1	POLAVARAPU VENKATA DURGA NAVEEN	ONEGENE, TCS	2, 3.36
113.	17A31A03M2	PYNDA V S S S SURYA MANI SUMANTH	TCS	3.36
114.	17A31A03M7	SEETALA BOBY JONES	SAVANTIS	2.22
115.	17A31A03M9	TAMMANABOINA BALA RAVI TEJA	WOOSU,ACCENTURE	2.15,4.50
116.	17A31A03N1	VURAKARANAM NIKHIL	ONEGENE	2.00
117.	17A31A03N2	VADDIPARTHI VENKATA KRISHNA	CAPGEMENI	3.00
118.	17A31A03N4	YALLA MANOHAR RAJ	ONEGENE	2.00
119.	17A31A03N5	AKULA ANVESH	COGNIZANT	4.01
120.	18A35A0304	ADDANKI HARI GANESH	COGNIZANT	4.01
121.	18A35A0307	GANDHAM RAMA GANESH	ACCENTURE	4.50
122.	18A35A0308	KONDETI DURGA SAIKIRAN	NATIONAL UNISPARES GROUP, ONEGENE	2.04, 2.00
123.	18A35A0309	KUSUNURI NAGA VENKATA SIVA SAI KRISHNA	ACCENTURE	4.50
124.	18A35A0312	NAMMI SAI VAMSI KRISHNA	EVOSYS	3.20
125.	18A35A0313	PUVVALA SAI VAMSI	ACCENTURE	4.50
126.	18A35A0314	BHAMIDIPATI RAJESH	CPCL, ONEGENE	6, 2
127.	18A35A0315	ENUGANTI NAGA CHAKRA MANIKANTA SIVA	WOOSU	2.15
128.	18A35A0316	GADHAM SURYAM	WOOSU	2.15
129.	18A35A0319	KILLAMPALLI MOHAN KUMAR	ONEGENE	2.00
130.	18A35A0320	MAREDU YASWANTH	ACCENTURE	4.50
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132.	18A35A0324	REVADA NANI	ONEGENE	2.00
133.	18A35A0325	SINGAMPALLI NARENDRA	ONEGENE	2.00
134.	18A35A0326	VANAPALLI CHARAN SAI	ACCENTURE	4.50
135.	18A35A0327	ALLAVARAPU DURGA PRASAD	N S ENGINEERING COMPANY PRIVATE LIMITED, WOOSU	1.80, 2.15
136.	18A35A0328	ANUKULA DURGA ANIL	TCS	3.36
137.	18A35A0329	BASA LAKSHMAN NAGA DURGA	ONEGENE	2.00
138.	18A35A0330	BATHI VENKATA SRINIVAS	ONEGENE, ACCENTURE	2, 4.5
139.	18A35A0331	GANDEPALLI SAI SURYA TEJA	WOOSU	2.15
140.	18A35A0332	KOLA MOHANKUMAR	ACCENTURE	4.50
141.	18A35A0334	KONDETI PAVAN KUMAR	TCS	3.36
142.	18A35A0335	TATIPAKALA AJAY	ONEGENE	2.00
143.	18A35A0336	VADREVI MOHAN SIVA NAVEEN	WOOSU	2.15
144.	18A35A0337	VASAMSETTI SAI MANIKANTA	TCS	3.36
145.	18A35A0338	VEMAGIRI ANIL	ACCENTURE	4.50
146.	18A35A0341	BADIREDDY VENKATA BHARGAV	INFOSYS	3.00
147.	18A35A0344	MAMIDALA LOKESH SAIRAM	SAVANTIS, ONEGENE	2.22
148.	18A35A0346	SANGADI OME SWAMY	ONEGENE	2.00
149.	18A35A0348	TAMARANA SURYA TEJA	BAHWAN INTERNATIONAL GROUP AUTOMOTIVE	5.40

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150.	18A35A0349	UPPALAPATI VISSU BABU	TCS	3.36
151.	18A35A0350	KOTHAPALLI SHYAM DURGA BULI RAJ	BESTSCREEN TECHNOLOGY PVT LTD	3.12



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