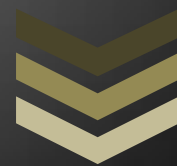


# PRAGATI ENGINEERING COLLEGE (A)



## ME-TIMES

JAN-JUNE 2022

DEPARTMENT  
OF  
MECHANICAL  
ENGINEERING



7/1/2022

## COLLEGE VISION

“To emerge as a premier institution for technical education in the Country through Academic Excellence and to be Recognized as a Center for Excellence in Research & Development, catering to the needs of our Country.”

## COLLEGE MISSION

“To realize a strong Institution by consistently maintaining State-of-art-infrastructure and building a cohesive, World Class Team and provide need based Technical Education, Research And Development through enhanced Industry Interaction.”

## ABOUT THE DEPARTMENT

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

## DEPARATMENT MISSION

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.

## DEPARATMENT VISION

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 fulfill the technological needs of the society.



## FROM HOD-DESK

DEPARTMENT OF MECHANICAL ENGINEERING is publishing News Letter “ME Times” with half-yearly by student editors, Faculty members and it will be shared to all the stake holders through website.

It is with great pleasure that we bring you the First issue in VOLUME 20 of ME-TIMES, the half yearly newsletter of DEPARTMENT OF MECHANICAL ENGINEERING in Pragati ENGINEERING COLLEGE. The name of our newsletter- ME-TIMES- signifies VALUE TIME, and it very aptly sums up the prospects of our Institute. With faculty that consists of bright minds and students who are keen to leave a mark, our future is in safe hands indeed. We are thankful to our students for coming up with the name and logo of the newsletter. The current newsletter highlights the activities of our students and the achievements of faculty during the past one year. It also features visits by eminent scholars from India and abroad to PRAGATI ENGINEERING COLLEGE. This newsletter also throws light on the infrastructure that MECHANICAL DEPARTMENT in PRAGATI ENGINEERING COLLEGE has, and the facilities that it provides. The intent of ME-TIMES is to disseminate information about our Institute, and we hope that the readers find the issues informative and useful. We are thankful to the faculty and staff of PRAGATI ENGINEERING COLLEGE for their valuable inputs, and we welcome suggestions and feedback that will help us improve further. We can be reached at [newsletter@pragati.ac.in](mailto:newsletter@pragati.ac.in).

## FACULTY PUBLICATIONS

S. NO	Name of the Faculty	Title of the Paper	Month and year of publication	Name of journal	ISSN/DO Number
1	Mr.A.Phani Bhaskar	Optimisation of pintle injector position of control thrust propulsion	Jan-22	i-manager	Volume 12 issue 1
	Mr.A.Yeswanth				
	Mr.N.Raghuveer				
2	Sri Ram Deepak 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 <a href="http://dx.doi.org/10.52542/tjdu.2.1.11-20">http://dx.doi.org/10.52542/tjdu.2.1.11-20</a>
3	Mr.A.Yeswanth	Mathematical modelling and analysis of a hydrogen based internal combustion engine	Apr-22	Technical journal of Daukeyev university	Volume 2 issue 1
	Mrs.P.Gayathri				
4	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	<a href="https://doi.org/10.1007/s11356-022-19752-4">https://doi.org/10.1007/s11356-022-19752-4</a>
5	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
6	Dr.G.Satish	Effect of flow variation in the Pelton wheel	May-22	UPET Press Technical Journal of Daukeyev	Vol. 2, No. 1, pp. 21-33, May

		nozzle by design modification of spear", A		University,	2022.
7	Mr. M SunilRaj, 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
8	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	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
9	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	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
10	Mr. M.Sunil Raj, Ms. K. Tulasi	EXPERIMENTAL INVESTIGATION ON EFFECT IF KATER WIDTH ON DIMENSIONAL ACCURACY OF FOM BUILD	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150

		PARTS			
11	Mr. S.Srikanth, Mr. M SunilRaj	ANALYSIS OF G-CODES ON FDM BUILD PARTS TO ACHIEVE THE EXACT HEIGHT OF CAD MODEL	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
12	Mrs. K.Aravinda, Mr. G. Avinash	ANALYSIS OF EFFECT OF PROLESS PARAMETERS ON FUSED DEPOSITION MODELING TECHNIQUES	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
13	Mr. GVN Santosh, Dr.B.S.V.Rama Rao	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
14	Mr. G.V.N.Santhosh, Mr.A.Yeswanth	MODELING AND DAMPING ANALYSIS OF HIGH GRADE STEEL ALLOY DRIVE SHAFT IN AUTOMOBILE	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
15	Mr. N. Raghuv eer, Ms. M. Amrutha	DEVELOPMENT AND RECONSTRUCTION OF SPIRAL CORD FROM CT SCAN FILES AND RPT ESTIMATION ANALYSIS	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150

16	Mr. V.V.N.Sarath, Mrs. P. Gayathri	EXPERIMENTAL ANALYSIS ON OPTIMIZATION OF PROCESS PARAMETERS IN FUSED DEPOSITION MODELLING	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
17	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
18	Mr. A. Phani Bhaskar, Mr. P. Ram Prasad	RECONSTRUCTI ON OF KNEE JOINT BY USING 3 MATICS AND MIMICS AND DESIGN AND ANALYSIS OF KNEE JOING PLATE FOR MAXIMUM LOADING CONDITION	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
19	Mrs. P. Gayathri, Mr. V.V.N.Sarath	OPTIMIZATION OF SUPPORT STRUCTURES TO MINIMISE THE DISPLACEMENT OF STANDARD E8 ASIM SPECIMEN (TENSILE)	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
20	Dr.B.S.V.Rama Rao, Mr. M.Sunil Raj	COMPUTATIONA L FLUID DYNAMICS AND HEAT TRANSFER IN A MICRO CHANNEL	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150

21	Ms. M. Amrutha, Mr. G.V.N.Santhosh	PERFORMANCE IMPROVEMENT OF AN ORGANIC RANKINE CYCLE USING LOW GRADE THERMAL ENGINEERING INPUT FROM A COMPOUND PARABOLIC COLLECTOR	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
22	Mr.A.Yeswanth, Mrs. K.Aravinda	DESIGN AND ANALYSIS OF AIRCRAFT TELESCOPIC WING AND MATERIAL OPTIMIZATION	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
23	Mrs. K.Aravinda, Mr. D.J.Johnson	RECONSTRUCTI ON, SEGMENTATION AND SMOOTHING OF TIBIA AND FIBULA PARTS FROM KNEE JOINING ASSEMBLY AND RPT ESTIMATION & MATERIAL CONSUMPTION	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
24	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



25	Mr. B. Hari Krishna, Mr. DJ Johnson	CFD OF HEAT TRANSFER IN DOUBLE PIPES HEAT EXCHANGER USING FLUENT.	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
26	Mr. S Srikanth, 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
27	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
28	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
29	Mr. S.Srikanth, Mr. P. Ram Prasad	DESIGN AND ANALYSIS OF THREE PLATE INJECTION MOLDED	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
30	Mrs. K.Aravinda, Mrs. P. Gayathri	MODELLING AND MASS OPTIMIZATION OF CNC MACHINE ARBOR FOR MAXIMUM	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150

		CUTTING FORCE BY USING ALTAIR INSPIRE SOFTWARE			
31	Mr. D.J.Johnson, Ms. M. Amrutha	CFD ANALYSIS OF WHOLE INSPIRED HYDROFOIL WITH DIFFERENT ANGLES OF ATTACK.	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
32	Mr. M.Sunil Raj, Mr. B. Bharat Kumar	OPTIMIZATION OF SUPPORT STRUCTURES TO AVOID THE LIFT OFF OF PRINTING COMPONENT FOR RENISHAW AM 240 MACHINES.	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
33	Mr. V.V.N.Sarath, Dr. G. Avinash	DESIGN AND ANALYSIS OF SCREW OPERATED GRIPPER AND RPT ESTIMATION.	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
34	Mr. B. Bharat Kumar, Mr. D.J.Johnson	DESIGN MODELLING AND ANALYSIS OF FRONT WHEEL ASSEMBLY OF BAJA SAE VEHICLE	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
35	Mr. B. Hari Krishna, Mr. M.Sunil Raj	DESIGN AND ANALYSIS OF AIRCRAFT ENGINE COOLING FAN	May-22	International Journal for Research in Engineering Application & Management	2454-9150

				(IJREAM)	
36	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
37	Mrs. P. Gayathri, Mrs. K.Aravinda	GEOMETRY AND LOCATON OPTIMIZATION OF WAVY FLAG TO IMPROVE HEAT RANSFER RATE VORTEX GENERATOR.	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
38	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
39	Dr.B.S.V.Rama Rao, Mr. G.V.N.Santhosh	EFFECT OF LAYER HEIGHT ON FINAL DIMENTIONAL ACCURACY OF SLM PRINTING MACHINE.	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
40	Mr.A.Yeswanth, Mr. N. Raghuveer	3D PRINTING THERMO MECHANICAL ANSLYSIS OF CARBURETOR FOR OPTIMISED ORIENTATION FOR SLM 280M/C	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150

41	Ms. M. Amrutha, Mr. V.V.N.Sarath	OPTIMIZATION OF LASER POWER TO AUDIO THE THERMAL STRESSES IN THE METAL AM PROCESS TO AVOID LIFT OFF OF THE BUILD PART	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
42	Mrs. P. Gayathri, Mr. P. Ram Prasad	EFFECT OF LAYER HEIGHT AND PRINT SPEED ON PINT FINE ESTIMATION AND COST ANALYSIS	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
43	Mr. A. Phani Bhaskar, Mrs. P. Gayathri	BUCKLING ANALYSIS OF CANTILEVER TWISTED FGM PLATE FOR BUCKLING LOAD AND NON- BUCKLING DIMENSIONAL BUCKLING LOAD	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
44	Mr. P. Ram Prasad, Mr. A. Phani Bhaskar	DESIGN AND ANALYSIS OF UNEVEN TERRIAN FREIGHT TRANSPORTATION MECHANISM	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
45	Mr. V.V.N.Sarath, Ms. K. Tulasi	DESIGN AND RIGID DYNAMIC ANALYSIS OF ENGINE CYLINDER WITH INTERGRATED MASS	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150

		OPTIMIZATION OF CONNECTING LINK TO REDUCE THE WEIGHT FOR MAXIMUM STIFFNESS CONDITION			
46	Mr. N. Raghuv eer, 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
47	Mr. M Sunil Raj, 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
48	Mr. M.Sunil Raj, Ms. M. Amrutha	STRUCTURE ANALYSIS OF EARTH AAUGUR BIT	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
49	Mr. G.V.N.Santhosh, Mr.A.Yeswanth	MODELLING AND 3D PRINTING SIMULATION OF JET ENGINE PROPELLER	May-22	International Journal for Research in Engineering Application & Management	2454-9150

		WITH MINIMUM PRINTING TIME ORIENTATION OPTIMISATION		(IJREAM)	
50	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
51	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
52	Mr. S.Srikanth, Mr. B. Hari Krishna	OPTIMIZATION OF PRINTING PROCESS PARAMETERS TO AVOID THE PLASTIC STRAIN DURING THE PRINTING OF MICRO CHANNE	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
53	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
54	Mr. G. Avinash, Mr. A Yeswanth	RECONSTRUCTI ON AND MODELLING OF HIP JOINT BY USING 3D SLICER AND RAPID	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150

		PROTOTYPING ESTIMATION			
55	Mr. N. Raghuveer, 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
56	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
57	Mr. P. Ram Prasad, Mrs. K.Aravinda	MODELING AND TOPOLOGY OPTIMIZATION OF CAR RIM TO REDUCE THE WEIGHT OF THE WHEEL FOR MAXIMUM STIFNESS CONDITION USING ALTAIR INSPIRE	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
58	Mrs. P. Gayathri, Mr. D.J.Johnson	DESIGN AND PRECISION STEERING MECHANISM AND MOTION STUDY OF ACKRIMOON	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150

		MACHANISM FOR A 4 WHEEL VEHICLE WITH MIN ERROR %			
59	Ms. M. Amrutha, Mr. M.Sunil Raj	DESIGN AND MASS OPTIMIZATION OF STEERING ARM FOR METAL ADDITIVE MANUFACTURING AND SIMULATING 3D PRINTING PROCESS TO AVOID WRAPAGE FAILURE	May-22	International Journal for Research in Engineering Application & Management (IJREAM)	2454-9150
60	Mr. G.V.N. Santhosh, Mr. M. Rambabu	LINEAR LAYER ANALYSIS OF MONO LEAF WITH FUNCTIONALLY GRADED MATERIALS USING FEA TECHNIQUE	May-22	The International journal of analytical and experimental modal analysis	0886-9367
61	Mrs.K.Aravinda, Mr.V.Naga babu	Design and analysis of Indian rail wheel assembly for super elevation	May-22	The International journal of analytical and experimental modal analysis	0886-9367
62	Mr. G. Avinash, Mr. A. Phani Bhaskar	Analysis Of Noise Reduction In Rotor Blade Of Helicopter Using Different Materials	May-22	The International journal of analytical and experimental modal analysis	0886-9367
63	Dr S. Sambhu Prasad, Mr N.Raghuveer	A Study Of FRP Composite Properties And Comparison Of Properties To Analyze Fatigue Strength And	May-22	The International journal of analytical and experimental modal analysis	0886-9367



		Fracture			
64	Dr.G.Satish	2-D Aerodynamical Analysis on Car Body Using Taguchi Design Optimization	Jun-22	IJMER	Vol. 11, No. 5(3), pp. 84-94, June 2022.

### ACTED AS RESOURCE PERSON

S.NO	Name of the Faculty	TOPIC	PROGRAMME NAME	Duration
1	Dr.Dharmalingam R	Development of Nanofluid and its Application in Thermal Systems	Guest lecture JAIN (Deemed-to-be University), Bangalore	05-02-2022

### WORKSHOP'S

S.NO	Name of the Faculty	TITLE	VENUE	DURATION	DURATION
1	Dr. R. Dharmalingam	Intellectual Property	Banana IP Counsels	27-05-2020 to 17.07 2021	two weeks
2	Mr.B.Bharath kumar				two weeks

**FDP'S**

S.NO	Name of the Faculty	TITLE	VENUE	DURATION	DURATION
1	Dr.G.Satish	One-week National level Training Program DST Sponsored on “Vibration-based Product Quality and Condition Monitoring System in Advanced Manufacturing”	VFSTR and GITAM.	18-5-2022 to 25-5-2022	one week
2	Mr.A.Yeswanth	Microsoft Security Fundamentals	JNTUK	07-05-2022	ONE DAY

## STUDENT ACTIVITIES

### CONFERENCES

ROLL.NO	NAME OF THE STUDENT	TOPIC	EVENT	DATE	PARTICIPATED
19A31A0397	TIRAGATI VIKAS	Online University visit	Conferences	09-03-2022	Participation

### WORKSHOP'S

Roll No	Student Name	Topic	Event	Date	Awarded/ Participation
19A31A0303	KUMPATLA SRAVANI	Elerctric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
19A31A0304	ROUTHU SRIHITHA	Elerctric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
19A31A0306	ADAPA LEELA RENUKADEVI	Elerctric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
19A31A0310	BADAPATI DHANA VIJAY	Elerctric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
19A31A0340	PONNADA PAUL RAJESH	Elerctric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
19A31A0341	PULUGU RAJABABU	Elerctric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
19A31A0346	S KUMARA KAILASH SAI RAJ	Elerctric Hybrid Car Workshop	JNTU Vijayanagaram	07.04.2022 To 09.04.2022	Participated
19A31A0350	SARELLA BHANU PRAKASH	Elerctric 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

### PAPER PRESENTATIONS

Sl. No	PIN Number	NAME OF THE STUDENT	YEAR-SECTION	EVENT HELD	Paper Title	PUBLICAT ION
1	19A31A03 E3	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	19A31A03 E3	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	RESEARC HER AT
1	19A31A03E 3	Sri Ram Deepak Akella	IV-D	Life time researcher	Atal Yaan reusable launch Vehicle	ORBIT INDIA AEROSPAC E

**WEBINARS**

<b>Roll.No</b>	<b>Student Name</b>	<b>Topic</b>	<b>Organizing Committee</b>	<b>Date</b>	<b>Awarded/ Participation</b>
20A31A0302	GUNAPALLI V V K SAI MADHURI	Importance of Intellectual Property Rights by Mr. Govind Sharma	Institution Innovation Council (IIC), Pragati Engineering College	26.04.2022	Participated
20A31A0303	KOKKIRIMETLA JYOTHI	Importance of Intellectual Property Rights by Mr. Govind Sharma	Institution Innovation Council (IIC), Pragati Engineering College	26.04.2022	Participated
20A31A0313	ELISETTI SURENDRA	Importance of Intellectual Property Rights by Mr. Govind Sharma	Institution Innovation Council (IIC), Pragati Engineering College	26.04.2022	Participated
20A31A0336	NAIDU NAGA SURYA	Importance of Intellectual Property Rights by Mr. Govind Sharma	Institution Innovation Council (IIC), Pragati Engineering College	26.04.2022	Participated
20A31A0327	KONDETI CHANDRA LOKESH	Importance of Intellectual Property Rights by Mr. Govind Sharma	Institution Innovation Council (IIC), Pragati Engineering College	26.04.2022	Participated
20A31A0393	SAYED NOOR AHAMAD MOHIDDIN	Importance of Intellectual Property Rights by Mr. Govind Sharma	Institution Innovation Council (IIC), Pragati Engineering College	26.04.2022	Participated
20A31A0384	MURAPAKA VEERA SIVANANDA SAI	Importance of Intellectual Property Rights by Mr. Govind Sharma	Institution Innovation Council (IIC), Pragati Engineering College	26.04.2022	Participated
20A35A0311	PALEPU DURGA PRAVEEN KUMAR	Importance of Intellectual	Institution Innovation	26.04.2022	Participated

		Property Rights by Mr. Govind Sharma	Council (IIC), Pragati Engineering College		
20A35A0322	SINGIREDDY NANDAVAMSI	Importance of Intellectual Property Rights by Mr. Govind Sharma	Institution Innovation Council (IIC), Pragati Engineering College	26.04.2022	Participated
20A31A0302	GUNAPALLI V V K SAI MADHURI	Online Session on "How to Plan Start-up and Legal & Ethical Steps"	Institution Innovation Council (IIC), Pragati Engineering College	13.04.2022	Participated
20A31A0303	KOKKIRIMETLA JYOTHI	Online Session on "How to Plan Start-up and Legal & Ethical Steps"	Institution Innovation Council (IIC), Pragati Engineering College	13.04.2022	Participated
20A31A0369	DARABOINA SATISH	Online Session on "How to Plan Start-up and Legal & Ethical Steps"	Institution Innovation Council (IIC), Pragati Engineering College	13.04.2022	Participated
20A31A0373	ERANKI V S S KAMESWARA SASTRY	Online Session on "How to Plan Start-up and Legal & Ethical Steps"	Institution Innovation Council (IIC), Pragati Engineering College	13.04.2022	Participated
20A31A0393	SAYED NOOR AHAMAD MOHIDDIN	Online Session on "How to Plan Start-up and Legal & Ethical Steps"	Institution Innovation Council (IIC), Pragati Engineering College	13.04.2022	Participated
21A35A0326	SHAIK MANSUR ALI	Online Session on "How to Plan Start-up and Legal & Ethical Steps"	Institution Innovation Council (IIC), Pragati Engineering College	13.04.2022	Participated
19A31A0363	BOBBARA LAKSHMI SHARANAM KURAM	Online Session on "How to Plan Start-up	Institution Innovation Council (IIC), Pragati	13.04.2022	Participated

		and Legal & Ethical Steps”	Engineering College		
19A31A0377	KOSIREDDI VEERA VENKATA SATYANARAYANA	Online Session on “How to Plan Start-up and Legal & Ethical Steps”	Institution Innovation Council (IIC), Pragati Engineering College	13.04.2022	Participated
19A31A03E3	AKELLA SRI RAM DEEPAK	Online Session on “How to Plan Start-up and Legal & Ethical Steps”	Institution Innovation Council (IIC), Pragati Engineering College	13.04.2022	Participated
19A31A03H9	VUTA MADHU	Online Session on “How to Plan Start-up and Legal & Ethical Steps”	Institution Innovation Council (IIC), Pragati Engineering College	13.04.2022	Participated
20A35A0325	KATAKAM SAI SURESH	Online Session on “How to Plan Start-up and Legal & Ethical Steps”	Institution Innovation Council (IIC), Pragati Engineering College	13.04.2022	Participated
20A35A0326	GANTETI NOOKARAJU	Online Session on “How to Plan Start-up and Legal & Ethical Steps”	Institution Innovation Council (IIC), Pragati Engineering College	13.04.2022	Participated
20A35A0332	VEMULURI VENKATA SAI KUMAR	Online Session on “How to Plan Start-up and Legal & Ethical Steps”	Institution Innovation Council (IIC), Pragati Engineering College	13.04.2022	Participated

## NSS ACTIVITIES

SI No.	Date	Name of the Activity	Students attended
1	14-3-2022 to 20-3-2022	NSS Special Camp 2021-2022 ( Suramapalem)	8
2	08-04-2022	Blood Donation Camp at JNTUK Kakinada	7
3	11-05-2022	Community Development Workshop at JNTUK,Kakinada	20





**NCC ACTIVITIES**

S.NO	NAME ACTIVITIE	DATES	NO OF STUDENTS
1.	73 <sup>rd</sup> Repulic Day(PEC)	26 <sup>th</sup> JAN 2022	16
2.	“B” Certificate Exam Conducted At Sri Prakesh School (Peddapuram)	19 <sup>th</sup> FEB 2022	4
3.	“C” Certificate Exam Conducted At “Ideal Degree Colleage (Kakinada)	05 <sup>th</sup> MAR 2022 TO 06 <sup>th</sup> MAR 2022	1
4.	World Water Day(PEC)	22 <sup>nd</sup> MAR 2022	9
5.	Puneet Sagar Abhiyan (Kakinada)	3 <sup>rd</sup> APRIL 2022	12
6.	Word Earth Day (PEC)	22 <sup>nd</sup> APRIL 2022	9
7.	Self Displine Awareness Camp (PEC)	24 <sup>th</sup> MAY 2022 TO 26 <sup>th</sup> MAY 2022	4

**STUDENTS CO-ORDINATORS:-**

FACULTY CO-ODINATOR

A.PHANI BHASKAR

ASST.PROFESSOR

1. 19A31A03E3--SRI RAM DEEPAK AKELLA--- IV-D
2. 20A31A0354----- VADREW KOWSIK----- III-A
3. 21A35A0303----- PONNADA MOHANA----III-A

HOD-ME

Dr. B S V RAMA RAO

PROFESSOR