

# MECHAZINE

VOL: XXIV

ISSUE: JAN 2021

## NEW YEAR CELEBRATIONS

### SPECIAL POINTS OF INTEREST:

- NEW YEAR CELEBRATIONS
- MECHANICAL STAFF
- LAB FACILITIES
- FOUNDER'S BOOK LAUNCH

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- Celebrations

New Year is the time or day currently at which a new calendar year begins and the calendar's year count increments by one. Many cultures celebrate the event in some manner. In the Gregorian calendar, the most widely used calendar system today, New Year occurs on January 1 (New Year's Day, preceded by New Year's Eve).



## HEAD OF THE DESK

I am pleased to make out Volume XXIV of “MECHAZINE” which showcases the student’s spirit of utilize their capability for achieving that compatibility to convert their ideas in reality. In this volume the reader will get the idea of facilities available in department of mechanical engineering and staff strength. Being a Mechanical Engineer, each reader must be connected with the different innovative ideas they may excel their motivation to do something during their engineering journey.





“Be happy for this moment. This moment is your life”  
It's all about those happy moments with you.



**MECHANICAL ENGINEERING STAFF**



## MECHANICAL ENGINEERING IS HEART OF THE WORLD

Mechanical engineering is the one of the oldest and broadest of the all-engineering disciplines deals with design and production of tools, machines and all other mechanical equipment to be used in industries. A mechanical engineer is concerned with the design, planning and development of machines, tools and equipment ranging from jet engines to small tools/instruments used in a small-scale industry.

A mechanical engineer is mostly engaged with design, operations & maintenance of machine & their components, mechanisms, machine tools, manufacturing systems & processes, components of thermal power systems including internal combustion engine & turbo-machinery, solar energy, heat transfer, air-conditioning, refrigeration & industrial including production, planning & control-both the fundamental & applied aspects leading to these areas.



*MANGAM RAJU*

*III B.TECH,*

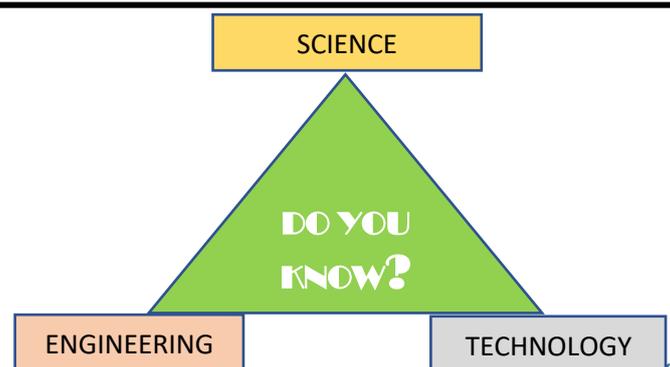
*MECHANICAL ENGG.*

### Toppers of the III Year-I Semester of 2020-2021

JALDANI SRI SAIRAJ	18PA1A0336	84.46%
PENMUTSA SURESH	19PA5A0319	80.10%
MANGAM RAJU	19PA5A0311	78.10%

**PATH TO SUCCESS IS NEVER EASY BUT  
IT'S WORTH IT, AT THE END.....**

**OPPORTUNITIES  
DON'T HAPPEN. YOU  
CREATE THEM**



పంచభూతాలలో MECHANICAL ENGINEERING.

1. నేల → మట్టి → మట్టిలో Mould ని తయారు చేసి CASTING తో ఒక పద్ధతిన ప్రసెట్టారు. ఈ "Manufacturing" comes under Mechanical Engineering.
2. నీరు → Hydraulics → "fluid Mechanics", Turbines ని ఉపయోగించి electricity ని తయారు చేసేది Mechanical Engineering.
3. నిప్పు → ఉష్ణం → Thermal Engineering → Thermal Sciences తో ఒక ప్రత్యేక Specialization వున్న Mechanical Engineering.
4. గాలి → వాయువు → Wind Energy ని తయారు చేసే ఒక Mechanical Engineering.
5. నీలి → త్రాగునీరు → త్రాగునీరు త్రాగుటకు వాటని విస్తీర్ణంలోకి వెళ్ళే పరికరాలను చేసేటందుకు ఉపయోగపడే పై నాలుగు భూతాలను వాడే Mechanical Engineering.

\* ఇలా పంచభూతాలను పైతరం తనలో ఇమార్చుకుని ఉండే Mechanical Engineering లెక్కకి సాప్తాహికం చెప్పడమనే నేను నెరిచాను. 2500 BCE లోనే CASTING పద్ధతిన వాడే నిచ్చని "నటరాజు" విస్తృతమైన తయారు చేసారు. ఇక నేను చెప్పేదేమిటా చరిత్ర చెబుతుంది. Mechanical Engineering సాప్తాహికం.

→ మే వెంటనర్స్ క రావు (తా.వే.రా) ఆధిపత్యం.

అందమైన జీవితాన్ని వెతక కూడదు, మనమే నిర్మించుకోవాలి - మీ తా.వే.రా



అప్పుడప్పుడు గుర్తు, గుర్తు చేస్తుంది నేను గుర్తున్నానా అని, కానీ గుర్తు మాత్రం గుర్తుకు తెచ్చుకోలేక పోతుంది. ఇన్నాళ్లు గుర్తుకి గుర్తుకొచ్చావు. కానీ ఈ రోజు గుర్తుకి, గుర్తు రాకుండా గుర్తుంచుకోమని చాలా గట్టిగా గుర్తు చేశాను.

## LAB FACILITIES



Advanced CAD Lab



Heat Transfer Lab



Metrology Lab



Instrumentation Lab



CAD Lab



Theory of Machinery Lab



Mechatronics Lab



Vehicle Technology LAB



Production Technology Lab



Metallurgy Lab



Strength of Materials Lab



FM&HM Lab



Machine Tools Lab



Engineering Work Shop



Thermal Engineering Lab



3DX Lab

"Take up one idea. Make that one idea your life; dream of it; think of it; live on that idea. Let the brain, the body, muscles, nerves, every part of your body be full of that idea, and just leave every other idea alone. This is the way to success, and this is the way great spiritual giants are produced."



**Single crystal turbine blades have the mechanical advantage of being able to operate at a much higher temperature than crystalline turbine blades.**



## NATURE OF COLLEGE



Students learn a lot in college, but most students aren't experiencing what they need to live responsibly in a restorative society. Colleges now need to supply and apply the knowledge and practices we need for a sustainable future, so that students see, in word and deed, how a sustainable society looks might work. A college that wants to remain relevant to its students will teach them (and teach them by example) how to be leaders in the ecological transition of the 21st century. If it works right, a college education will teach students to develop the "designing minds," minds that are prepared to design a good society in harmony with nature. The higher education should be designed



1. To equip young people with a basic understanding of systems and to develop habits of mind that seek out patterns that connect' human and natural systems;
2. To teach young people the analytical skills necessary for thinking accurately about cause and effect;
3. To give students the practical competence necessary to solve local problems; and
4. To teach young people the habit of rolling up their sleeves and getting down to work. Institutions of higher education have always prepared students to succeed in the so-called "real world."

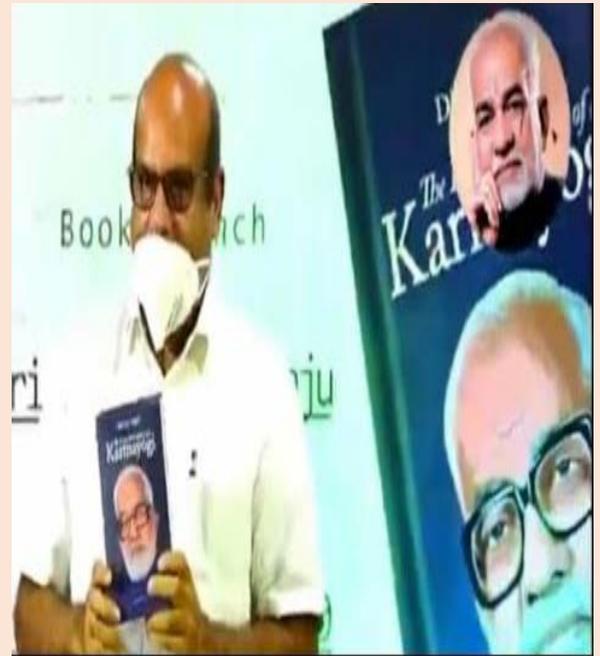
**Our college and our Educational Society are to teach Students how to live responsibly on the planet as well.**

**CELEBRATIONS**

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## The Book Launch Event of Dr B.V. Raju The Life & Legacy of a “KARMAYOGI”



A book entitled “The Life & Legacy of a KARMAYOGI on Dr B.V. Raju was launched by honourable chairman Sri K.V. Vishnu Raju Garu, Sri Vishnu Educational Society, on 26.10.2020.

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