ZENITH

JULY 2020-DEC 2020- VOLUME 02

DEPARTMENT OF MECHANICAL ENGINEERING

MECHANICAL ENGINEERING DRAWINGS

MARRI LAXMAN REDDY
Institute of Technology and Management
(Approved By AICTE, New Delhi & Affillated to JNTU Hyderabad)
Dundigal,Medchal(M),Hyderabad,Telangana, India – 500 043.
(UGC - AUTONOMOUS)

Sri Marri Laxman Reddy, the founder Chairman of Marri Educational Group of Institutions has been in the field of education from the last 22 years with the aim of spreading quality education among children at the school & college level. Marri Laxman Reddy Institute of Technology & Management is the culmination of his dreams and was establised during year 2009 by **Marri Educational Society**.

Mr. M. Rajasekhar Reddy, a person with remarkable abilities and great acumen and a dynamic leader. He is known to be the dynamic mentor of MLR Institute of Technology who is always on the sprit to take the institute to newer levels in every aspect of an 'Ideal Institution' and strives hard to make every dream a reality. Inspired by his father, Mr. M. Laxman Reddy has a credit of establishing Institute of Aeronautical Engineering adding a new flavour to St. Martin's group of Institutions and Vidyanjali Grammer School..

VISION AND MISSION OF THE DEPARTMENT

VISION

The Mechanical Engineering Department strives for immense success in the field of education, research and development by nurturing the budding minds of young engineers inventing sets of new designs and new products which may be envisaged as the modalities to bring about a green future for humanity"

MISSION

Equipping the students with manifold technical knowledge to make them efficient and independent thinkers and designers in national and international arena. Encouraging students and faculties to be creative and to develop analytical abilities and efficiency in applying theories into practice, to develop and to disseminate new knowledge. Pursuing collaborative work in research and development organizations, industrial enterprises, research and academic institutions of national and international standards, to introduce new knowledge and methods in engineering teaching and research in order to orient young minds towards industrial development

Dr. K VENKATESWARA REDDY - Principal

Dr. K Venkateswara Reddy, M. Tech., Ph.D., MISTE, the Principal, Marri Laxman Reddy Institute of Technology & Management, is young & dynamic Professor of CSE. Engineering College and he has achieved an immense exposure in Academic, Research and Administrative spheres at reputed Engineering Colleges.

He contributed immensely for the growth of institutes by enforcing the disciplinary actions in the lifestyle of under graduate engineering students. He has introduced Institute - Industry, Interaction and Research & Development cells in the institute.

HOD's MESSAGE

The faculty in the department is highly skilled and committed. The department works to educate and teach students in the newest technology. In order to fulfil the demands of advancing technology, the department's goal is to educate students for successful careers in industry, research, and academia. Our goals are to help students become more adept at combining information and technological ideas for use in product design. Students get the chance to work on diverse projects as a team member or as the project leader thanks to the department. It gives students a solid foundation in the mathematical, scientific, and engineering principles required to create, solve, and evaluate engineering issues and to get them ready for further study and research. In addition to educating students about professional ethics and norms, we encourage them to pursue lifelong learning.

Memberships in professional organizations like SAEINDIA and the Institution of Engineers are linked with the Department of Mechanical Engineering for the benefit of the student's overall growth (India). student can learn more and engage with industry engineers as well as students and faculty from other schools and institutions through the many activities of these professional groups and chapters. The division promotes student participation in various competitions.

Program Educational Objectives:

PEO1: Graduates shall emerge as successful Mechanical engineer's as their career progress

PEO2: Graduates apply fundamentals of engineering, in practical applications and engage in active research.

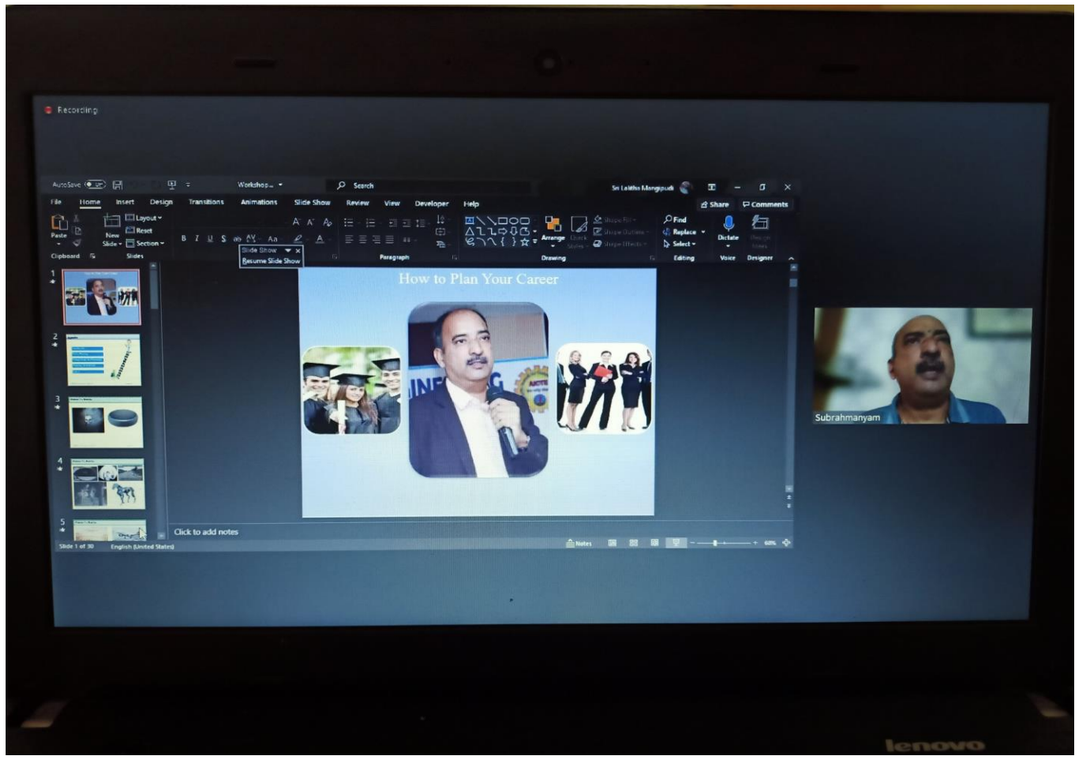
PEO3: Mechanical Graduates shall have the ability to design products with interdisciplinary skills.

PEO4: Graduates will serve the society with their professional skills

Programme Specific Outcomes:

PSO1: Students acquire necessary technical skills in mechanical engineering that make them employable graduate.

PSO2: An ability to impart technological inputs towards development of society by becoming an entrepreneur



INDUSTRY INERACTION

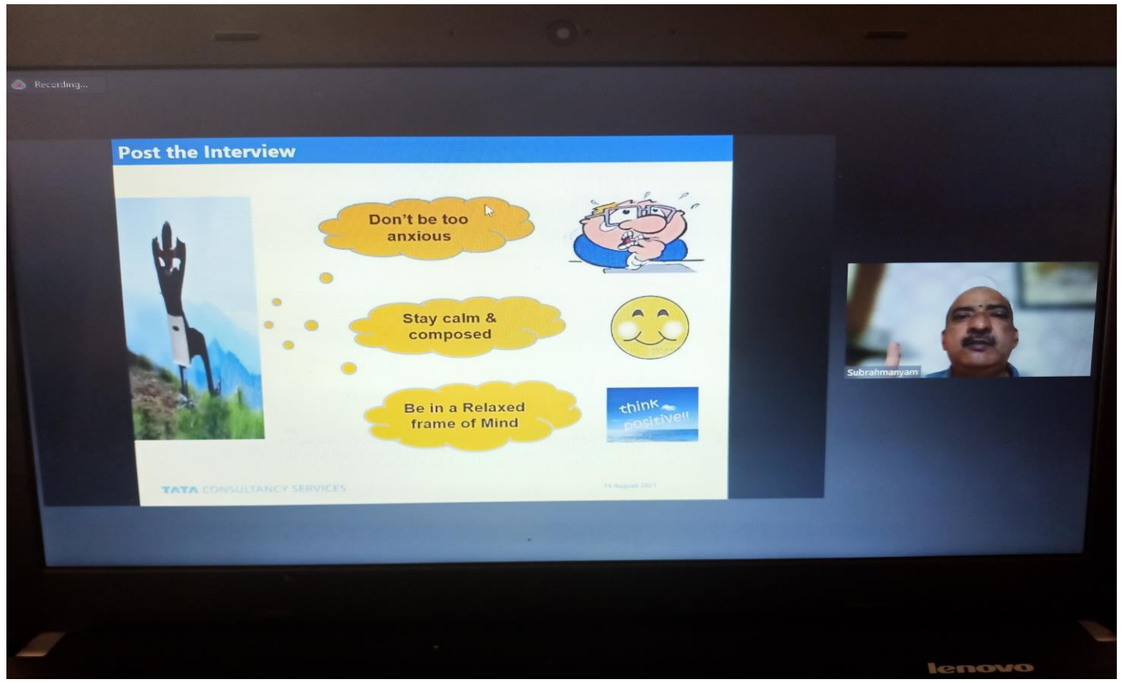
EFFECTIVE STRESS MANAGEMENT FOR STUDENTS DURING COVID PANDEMIC- (ONLINE)

Mr. M S Subramanyam, Delivery Head-ITIS, TCS, Hyderabad.

The Speaker of the session covered the importance of Mental Health and Coping with stress during Pandemic.

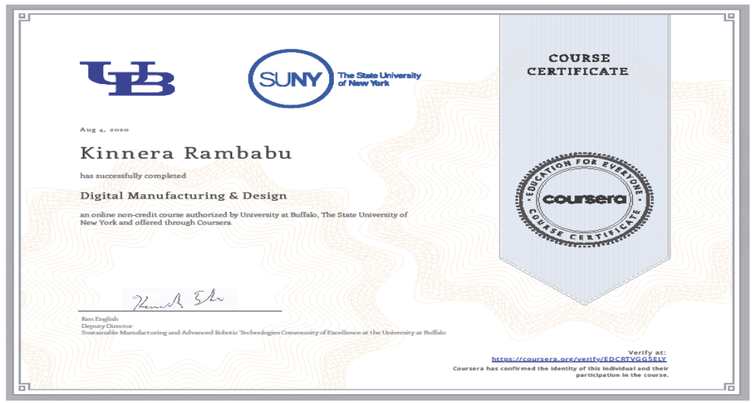
The following healthy ways were suggested to students to cope up with stress :

- Take breaks from news stories,
- Take care of your body
- Continue with regular health appointments, tests, screenings, and vaccinations



STUDENT CERTIFICATIONS

1	Patnam Nithin	QUANTUM MECHANICS
2	Patnam Nithin	INtroduction to Mechanical engineering design and manufacturing with fusion 360
3	Samala Ramesh	CREATE BASIC BEHAVIOUR WITH C# IN UNITY
4	BALRAJ TENUGU	QUANTUM MECHANICS
5	BUKHYA PRASHANTH	FACIAL EXPRESSSION RECOGNITION WITH KERAS
6	BUKHYA PRASHANTH	COVID 19 DATA ANALYSIS USING PYTHON
7	BUKHYA PRASHANTH	CLASSIFICATION WITH TRANSFER LERANING IN KERAS
8	BUKHYA PRASHANTH	NEURAL STYLE TRANSFER WITH TENSOR FLOW
9	BUKHYA PRASHANTH	BASIC IMAGE CLASSIFICATION WITH TENSOR FLOW
10	BUKHYA PRASHANTH	G MAIL THE FOUNDATION OF ACCESSING GOOGLE APPS
11	BUKHYA PRASHANTH	INTRODUCTION TO GOOGLE DOCS
12	BUKHYA PRASHANTH	INTRO TO TIME SERIES ANALYSIS IN R
13	BUKHYA PRASHANTH	CREATING CUSTOM CALLBACKS IN KERAS
14	BUKHYA PRASHANTH	MECHANICS OF MATERIALS IV:DEFLCTIONS,BUCKLING,COMBINED LOADING AND FAILURE THEORIES



DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF COMPANIES -CRT 2020

ON CAMPUS		OFF CAMPUS	
S NO	NAME OF THE EMPLOYEER	S NO	NAME OF THE EMPLOYEEE
1	ELLITE	1	MOLDTEK TECHNOLOGIES
2	Trifolix Consulting Pvt Ltd	2	SKY ROOT
3	TCS	3	PKI
4	NEXA	4	HCL
5	CYIENT	5	DIVIS LAB
6	Jayz 4 Exports	6	INTENCE TECHNOLOGIES
7	singam industry	7	THERMAL SYSTEMS
8	Reshma Fish Nets	8	INTERAKT TECHSOL PVT LIMTED
9	CAPGEMINI	9	DRDL
10	Additive manufacturing India Pvt Ltd	10	WORKING AS A CONTRACT IN ICRISAT
11	Bhuvana Industries	11	DXC TECHNOLOGIES
12	Suryra tech solutions	12	CARTEL
13	RAAM Group	13	varcas automobiles pvt ltd
14	MOBEVIL	14	TATA STRIVE
15	Just Dial		
16	Hexaware		
17	Triangular Corporation		
18	Reshma Fish Nets		
19	TCS NINJA CRAFT		
20	JARO EDUCATION		

OURS RECRUITERS FOR CRT 2020 BATCH

STUDENT ACHEVIER OF THE BATCH

LIKITHA CHOWDARY-10 LPA

FACULTY PUBLICATION

T Balaji gupta S. Kranthi Kumar S. P. Jani	Modelling and Analysis of leaf spring with different type of Materials	Materials today (Elsevier)	2214-7853
N. VishnuTej Reddy, D Venkateswarlu	Theoretical modelling and finite element analysis of Automobile piston	Materials today	2214-7853
U. Sudhakar S. P. Jani	Crash Analysis of a Passenger car bumper assembly to improve design for impact Test	Materials today (Elsevier)	2214-7853
K. Veera Raghavulu U. Sudhakar A.Nishanthkumar S. P. Jani	Effect on Performance and Emission of Canola Oil and Snake Gourd Oil Biodiesel Blended In Fossil Diesel-Biodiesel Blend	Materials today (Elsevier)	2214-7853
K. Chathanya S. P. Jani	Evolution of satellite -6and CR3C2-NICR coating Properties obtained by Different Coating Techniques	Journal of Critical Reviews	2394-2125
M. Vijay John S. P. Jani	Theoretical modelling and analysis of a four wheeler crank shaft by different aluminium alloys	Materials today	2214-7853
V Sudheer Babu, S. P. Jani	Evolution of Mechanical Properties of Epoxy Matrix Composites for Various Filler Loading	Trans Stellar	2249-6890
S. P. Jani	Machining parameter optimization using Adam e Gene Algorithm while turning light weight composite using ceramic cutting tools	International JournalofLightweightMaterialsandManufacture	2588-8404
S. P. Jani U. Sudhakar	Mechanical and thermal insulation properties of surface-modified Agave Americana/carbon fibre hybrid reinforced epoxy composites	Materials today(Elsevier)	2214-7853
S. P. Jani	Design and analysis of aero fin blades utilized in cargo aero plane	Materials today(Elsevier)	2214-7853
U. Sudhakar K. Veera Raghavulu A. Nishanthkumar	CFD analysis on Euro fighter typhoon at CANARD	International Journal Of Advanced Science And Technology	2005-4238
S. Kranthi Kumar U. Sudhakar	Computational modelling and analysis of multi plate clutch	Materials today (Elsevier)	2214-7853

CAREER DEVELOPMENT PROGRAMS ATTENDED BY FACULTY

- Research paper & Project Proposal Writing-Dr Kotiah
- Additive manufacturing- Dr G Surya Prakash
- IPR and patent Practices in India-innovation & Research into patents-Mr T Balaji Gupta
- IPR Awarness- S P Jani
- Enhancing Research Effectiveness Using scopus Science direct and Mendeley- Mr U Sudhakar
- Webinar: Evolution of Industrial Robots- Mr Naganna T
- IPR Awareness and Patent Prosecution- Mrs Chaitanya
- Thermal Spray Coating- Mrs K Sravanthi
- Advanced manufacturing practices –Robot Automation & industry 4.0”- Mr A Nishanthkumar
- Road to Success In Engineering education –Mr. K Veera Ragavulu
- Engineering Drawing Practice for Technocrats- Mr Susheer babu
- Webinar: Insights to Industry 4.0-P.Satya Krishna

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