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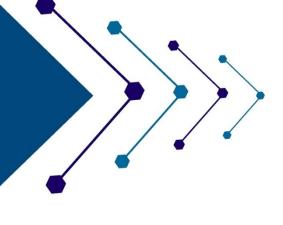
Website: www.cmrtc.ac.in

## ISSUE 05



### **ACADEMIC YEAR 2017-2018**

## **MECH TIMES**



You are not a drop in the ocean

You are the entire ocean, in a drop

#### CHAIRMAN'S MESSAGE



### "Education is simply the soul of a society as it passes from one generation to another."

Education is the basis of all progress. The entire purpose of education is not to restrict itself to imparting bookish knowledge only but inculcate humanitarian values like wisdom, compassion, courage, humility, integrity and reliability in a student.

It's my pleasure to interact with you students through this platform.

#### SECERETRY'S MESSAGE



"There can be no failure to a man who has not lost his courage, his character, his self respect, or his self-confidence. He is still a King."

The Institution is known for its enviable achievements not only in higher education but also in games and sports. We are helping the students to develop their knowledge, skills and attitude to use them for growth and prosperity of the society.

Our education empowers the society to grow in real sense by overcoming poverty, ignorance and lack of esteem. Barring all barriers, education should be spread to every stream of society and individual. We have been taking every possible measure to bring the youth under one roof that can provide them modern education to counter challengers ahead. We believe in the development of students in such a way that ensures admirable future for them.

#### **DIRECTOR'S MESSAGE**



I am pleased to know that the department of Mechanical Engineering is going to release new edition of its newsletter. I would like to welcome you back for the start of the academic year 2017-2018. This newsletter provides a panoramic view of the academic, research, co-curricular activities and achievements of the department during an academic year. To impart technical educational and training of exemplary academic standards to our students is our vision.

The mechanical engineering department has a rich tradition of pursuing academic excellence and providing congenial environment for the overall personality development of its student.

I feel confident that the department is progressing in the right direction and I congratulate the faculty and staff for their hard work and whole-hearted efforts to make the department the choicest destination for aspiring mechanical engineers

I WISH EVERYONE A GREAT START TO YOUR "BRIGHT FUTURE".

#### **DEAN ACADEMIC'S MESSAGE**



The facets of Science, Technology and Engineering are changing very fast. Engineering and Technology are becoming increasingly inter and multi-disciplinary, and calls for multi-institutional and, in several cases, multi- country participation. Because of all this, our Science and technology system has to be infused with new vitality if it is to play a decisive and beneficial role in advancing the well-being of all sections of our society.

The well experienced faculty/researchers, along with the dynamic management have al-ways taken care in building the careers of budding engineers and empowering them as future technological batons of the nation.

I wish the department of Mechanical Engineering to continue pioneering for excellence in imparting technological and social valves into the lives of students.

#### **HOD's MESSAGE**



Greetings to faculties and students!

It gives an immense pleasure to congratulate Department news-letter committee of our department for releasing "MECH TIMES" of the academic year 2017-2018.

Mechanical Engineering is a versatile & evergreen branch of engineering. Mechanical engineer can work in various fields like automotive system, aerospace engineering, design engineering, power plant engineering, etc. and most importantly in software field Department has well qualified and dedicated faculty with well-developed laboratories.

We impart quality engineering education through sound theoretical knowledge, hands on laboratory as well as computational skill and exposure to recent technologies by visiting industries & expert talk.

This newsletter is an attempt to highlight the achievements of the department, in spite of the space constrain we have showcased the best and look forward to have more in the future on a next edition.

I WISH YOU ALL THE BEST TO ALL THE STUDENTS AND READERS.

#### **FACULTY ADDITIONS:**

- ◆ Dr.Shanumuga sundaram Professor
- ♦ O.Archana, Asst. Professor
- ♦ Srivani Asst. Professor
- ♦ B.Kiran Asst .Professor

#### **NEW LABS:**

- ❖ Fluid mechanics and hydraulic machinery
- Heat transfer lab
- Engineering workshop
- ✓ IOT lab has been established in association with CSE department

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#### CONVENER'S MESSAGE:



The Department of Mechanical Engineering, CMR Technical Campus offers outstanding graduate and postgraduate program that prepare students for today's rapidly changing technological environment. Our students are at the cutting edge of science and engineering. Our faculties are intellectual leaders in their respective fields of specialization and our students have opportunities to work one-on-one



with these faculties while advancing the frontiers of knowledge. The Department emphasizes the development of a close-knit, collegial and stimulating environment for the free development and exchange of ideas, particularly in areas of interdisciplinary.



#### MOU:

✓ The department has signed an MOU with "ELLITE" for Design and fabrication of "ALTERRAIN VEHICLE".

MOU with Elite Techno group



#### RESEARCH CENTER:

#### www.capd3d.com

This year we have established Research Center for Additive manufacturing and product design for Consultancy and research works can be carried.

- We take pride in creating your kind of 3d models

#### **VISION**

Pursue excellence in education, research and practice in the areas of design and manufacturing so as to support development of systemically-complex, technologically-intensive and socially-impactful solutions that are functional, aesthetic, usable and sustainable.

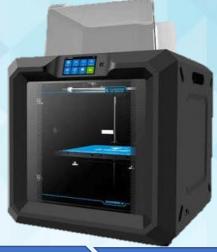
This center provides a definite pathway towards transforming students into product designers, developers and entrepreneurs by leveraging 3D Printing, Scanning and Designing Technologies

#### **MISSION**

- ➤ Develop students in designing products and manufacturing systems that are functional, aesthetic, usable and sustainable.
- Create leaders who can strengthen existing practice and develop new practice in the areas of design and manufacturing.
- Develop knowledge, including methods and tools, to inform and empower practice and education of design and manufacturing.
- ➤ Enabling students to build new startups and encourage the spirit of Entrepreneurship





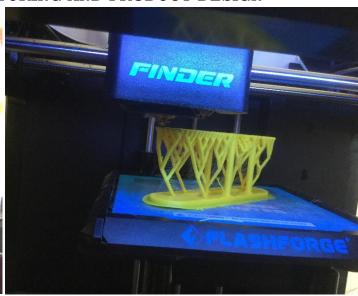




M. Ajay Kumar M.Tech (Ph.D) Asst. Prof (ME) CENTER LEAD

#### CENTER FOR ADDITIVE MANUFACTURING AND PRODUCT DESIGN











#### **FACULTY EVENTS**

Faculty Development Program

Conducted "National level Faculty development program on LATEX & ORIGIN Software's" in association with Technoglobe Hub from February 10th to 16th 2017.

 Conducted Two Days Faculty development program conducted from 1<sup>st</sup> and 2<sup>nd</sup> august on BIMX structural software







#### **FACULTY ACHIEVEMENTS**

#### Journal publications:

- Prof. D.Maneiah has published a paper on "Experimental Investigation on Mechanical Properties of Friction Stir Butt Welded Joints of Aluminium 6061-T6 under Oblique Loading" in IJAERS ISSN: 2349-6495(P) | 2456-1908(O) in 2017
- Prof. D.Maneiah has published a paper on "Experimental Investigation On Tig Welded Butt Joints Of Aluminium Alloy 6061-T6 To Obtain Tensile Strength" in IOSR-JMCE ISSN: 2278-1684,p-ISSN: 2320-334X in 2017
- Debashis. Mishra has published a paper on "Response surface optimization of interpulse TIG welding for the optimization weld bead (Ti-6al-4v)" in IJRASET ISSN: 2211-8632 in 2017
- Debashis. Mishra has published a paper on "Interpulse TIG WeldingTitanium alloyTi-6al-4v)" in IWJ ISSN:2321-9653 in 2017.
- K. Rajanikanth, M.Balu has presented and published a paper in IOSR Journal of Mechanical Engineering and Civil engineering, In recognition of the Publication of Manuscript Entitled ""Rocket Motor Hardware Design and Structural Analysis" from 22-09-2017 to 23-09-2017 organized by Department of Mechanical Engineering St Martin engineering college, Hyderabad.
- M. Ajay Kumar faculty Mechanical Engineering Department presented a paper on title "Optimizing Surface Texture and Coating Thickness of Nickel Coated ABS-3D Parts" in ICMPC 2018 International conference.
- ❖ M. Ajay Kumar faculty of mechanical engineering department have been selected as an Atal Innovation Mission Mentor of Change. NITI Aayog Govt. of India

#### **WORKSHOPS:**

- > Organized Five days' workshop on "AUTOMOBILE AND VEHICLE DYNAMICS" on 9/10/2017 and 13/10/2017 in association with ELITE TECHNO GROUPS from the team of Racing marshals over 100 students are participated in workshop and experienced practical exposure about vehicle dynamics
- > Organized two-day workshop on "ATV DESIGN AND ENGINEERING" on 15/12/2017 and 16/12/2017.students from host college and various colleges have participated and learnt many things
- > Organized two-day workshop on "REFRIGERATION & AIR CONDITIONING" on 23/2/2018 and 24/2/2018.students from host college and various colleges have participated and learnt many things









### సీఎంఆర్లో ఎయిర్ కండీషనింగ్పై వర్మేషాప్

మేద్పల్రారల్: లంలోని కండ్లకోయ గ్రామ పరిధిలోని సీఎంఆర్ టెక్సి కల్ కళాశాలలో రిటిజిరే షన్ అండ్ ఎయిర్ కండీష నింగ్పై రెండు రోజుల వర్క్ష్ సాప్ నిర్వహించారు. మెకానికల్ విభాగం ఆధ్వర్యంలో చేప ట్టిన వర్క్ష్షాప్ ను కళాశాల చైర్మన్ గోపాల్రెడ్డి ప్రారం

వర్మ్ షాప్ల్ పాల్గొన్న మెకానికల్ డిపార్ట్మ్ మెంట్

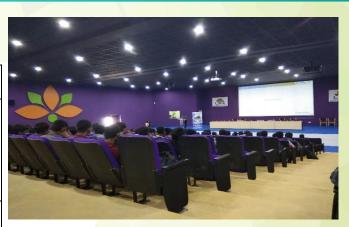
రిట్రిజిరేషన్, వెన్టిలేషన్, గురించి వివరించారు. ఈ కార్యక్రమంలో

భించారు. ఈ సందర్భంగా విద్యార్థులకు కళాశాల డైరెక్టర్ రాజిరెడ్డి, డీన్ అలీబేగ్, హీటింగ్ హెచ్ఓడీ మానయ్య, రత్నకుమారి, అధ్యాప

#### STUDENTS ASSOCIATION

#### **MESA Executive body:**

Chief Patron	Sri. C Gopal Reddy, Chairman				
	Smt. C Vasantha Latha, Secretary				
	Dr. A Raji Reddy, Director				
Patrons	Dr. M. Ahmed Ali Baig,				
	Professor & Dean Academic's				
Head of the Department	Prof. D. Maneiah				
Convener	Uday Ranjan Goud Assistant Professor				
Faculty Advisor	L. John Assistant Professor				
President	Vamshi Krishna				
Vice president	Jaswanth				
<b>Executive Member</b>	Rakesh Katta				





#### **Guest Lectures:**

- Mr. Pramod putty, Senior engineer, "Design Tech" delivered a guest lecture on the topics "Design software's" on 22/8/2017.
- As a part of association activities, a guest lecture was organized on "Scope of Automation" on 25/9/2017 The speaker of the day was MAYANK ARORA SAE Elite group.
- As a part of association activities, a guest lecture was organized on "Overseas Education opportunities" on 23/1/2018. The speaker of the day was by Mr. A Naveen Krishna from Manhattan Review, Hyderabad
- As a part of association activities, a guest lecture was organized on "HEAT TRANSFER" on 20/2/2018. The speaker of the day was Mr. Nikhil.
- As a part of association activity and academic overview about further subjects the department
  has conducted an awareness program on "Higher education and job opportunities through
  GATE AND CAT by TIME on 21/2/2018













#### **STUDENT EVENTS:**

- Organised Blood donation camp in association with Osmania hospital on 22nd February 2017
- Conducted Essay competition for engineer's day celebration on 30th august
- Celebrated Ayudha Pooja Bathukamma celebrations on 23rd September 2017
- Parent teachers meeting is conducted on 15th October 2017
- In Association with Canter CAD Mesa Has Conducted In Test for Third Year Students On 27/2/2018
- Yoga by guru on 6/7/2018
- As a part of MESA activities an awareness program on "BRAND YOU" for learning corporate behaviour for the students has been organized on 13/3/2017 by Aditya





#### STUDENTS ACHIEVEMENTS:

- Mr.D.Koushik got free scholarship for learning CAD/CAM course from CANTER IQ Hyderabad
- G.Akhil Kumar reddy, Rakesh Katta, Subash Sharma got special scholarship for learning CAD/CAM course from CANTER IQ Hyderabad
- Rajiv sai secured 3rd prize in essay compition conducted by LEXIS the literary club o account of 68th republic day on 25th Jan 2017
- NOOR Mohammed have participated in workshop on "FAST TRACK ASSEMBLY AND DISASSEMBLY" organized by BITS Pilani from 27-10-2017 to 28-10-2017.
- Mr. Pranav qualified and secured good rank in GATE-2017
- Mr.Rakesh katta presented a paper on "DIESEL PARTICULATE FILTER MODELING" in IOSR journal
- Mr.Ramu presented a paper on "Design of BIO-DIGESTER FOR CMR TECHNICAL CAMPUS HOSTEL USING KITCHEN WASTE" in IOSR journal
- G.Nikhil sai and T.Rahul got gold medal for during their internship at International internship in new horizon college of engineering
- T.Rahul has secured 1st prize in sports in ATMOS, Hyderabad
- Mr.Anil reddy and Srujan got first prize in project Expo in versio2017 at SRM university Chennai

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Mr.J. Durga Prasad Reddy
NSS officer
Mechanical Department, CMRTC

#### **CMRTC - NSS TEAM**

# యువకులే గ్రామాలకు ఆయువు పట్టు

మనోహరాబాద్(తూసైన్): గ్రామాలకు యువకులు ఆయువు పట్టని ఏంపీడీఓ శ్రీనివాసారావు పేర్కొన్నారు. గురువారం మండలంలోని కూచారంలో గ్రామయువత నేచర్ ఐకాన్, సీఎంఆర్, ఎస్ఎస్ఎస్ సంయుక్తంగా చేపట్టిన సేవాకార్యక్రమాలను ఏంపీడీఓ, ఎస్ఐ వర్కవసాద్ ప్రారం భించారు. ఈ సందర్భంగా ఎంపీడీఓ మాట్లాడుతూ యువ కులు గ్రామ అభివృద్ధి కోసం ముందుకు రావడం సంతోష కరమన్నారు. యువకులు చదువుతో పాటు పలు సేవా కార్యక్రమాలు నిర్వహించినప్పుడే వారు ఉన్నతస్థాయికి ఎదుగుతారని అన్నారు. అనంతరం ఎస్ఐ మాట్లాడుతూ గ్రామ యువకులు శాంతి భద్రతలకు కృషి చేయాలన్నారు.



కూచారంలో మాట్లాదుతున్న ఎంపీడీఓ

ఈ కార్యక్రమంలో గ్రామ సర్పంచ్ మజ్జితి విఠల్యాదవ్, కార్యదర్శి సత్యనారాయణ, గ్రామస్తులు పాల్గొన్నారు.



## క్యాన్థర్మ్ విస్తృత అవగాహన



వక్తృత్వ పోటీల విజేతలకు సర్టిఫికెట్లను ప్రదానం చేస్తున్న మహాశృంగదాస్

మానవాళికి సవాల్గా మానవాళికి సవాల్గా మారిన క్యాన్సర్పై విస్తృత అవగాహన అవసరమని కూకట్ పల్లి ఇస్కాస్ టెంపుల్ మేనేజర్ మహాశృంగ దాస్ పేర్కొన్నారు. మండల పరిధిలోని కండ్లకోయ గ్రామంలో ఉన్న సీఎంఆర్ టీసీలో సోమవారం కళాశాల

ఎస్ఎస్ఎస్ యూనిట్ ఆధ్వర్యంలో క్యాన్సర్ఫై అగాహన కార్యక్రమాన్ని నిర్వహించారు. అంతకు ముందు కిల్ క్యాన్సర్ అనే అంశంపై విద్యార్థులకు వక్తృత్వ పోటీల విజేతలు, పాల్గొన్న వారికి సర్టిఫికెట్లను ప్రదానం చేశారు. కార్యక్రమంలో కళాశాల డైరెక్టర్ రాజిరెడ్డి. ఎస్ఎస్ఎస్ ప్రోగాం అధికారి దుర్గాప్రసాద్రెడ్డి, హెచ్హోడీలు, డీస్లు పాల్గొన్నారు.

# విద్<mark>కా</mark>ల్థ చేతిలోనే దేశ ప్రగతి

మనోహరాబాద్: మార్పు మన నుంచే మొదలు కావాలని, దేశ బ్రగతి విద్యా ర్ధుల చేతుల్లోనే ఉం దని ఎంపీడీవో శ్రీని వాస్రావు, ఎస్ఐ వ ర్రప్రసాద్లు అన్నా రు. మనోహరాబాద్ మండలం కూచారం లో సీఎంఆర్ టెక్నీ





చాలన్నారు. అనంతరం కూచారంలో ర్యాలీ నిర్వహించారు. ఈ కార్యక్రమంలో సర్పంచ్ విఠల్, ఈవో సత్యనారాయణ, సీఎంఆర్ టెక్నీకల్ క్యాంపస్ ప్రోగ్రామ్ ఆఫీసర్ దుర్గాడ్రసాద్ రెడ్డి, అసిస్టెంట్ ప్రొఫెసర్లు ఉదయ్, రాకేశ్, 50 మంది విద్యార్ధులు, నేవర్ ఐకాన్ కూచారం యువజన సంఘ సభ్యులు తదితరులు పాల్గొన్నారు.





**Voter Awareness Programme** 

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#### ORIENTATION DAY CELEBRATIONS







**BLOOD DONATION CAMP BY NSS TEAM** 





**ENVIRONMENTAL AWARENESS** 



**SWATCH BHARATH BY NSS** 



# **PLACEMENTS**

S.NO	Name of the Student	Roll no.	Company name	Photo
1	ABHISHEK UPADHAY	147R1A0301	AMAZON	
2	NILESH CHATTERJEE	147R1A0330	AMAZON	NIESH CHATTERET
3	SHANE EMMANUEL SIMON	147R1A0342	AMAZON	
4	CHINOORI NIKHITH REDDY	147R1A03D0	SURYA TECH SOLUTIONS	
5	PEDDAGOLLA SRIKANTH	147R1A03G0	SURYA TECH SOLUTIONS	
6	MUTHYALA VIJAY	157R5A0322	SURYA TECH SOLUTIONS	2
7	ASHUTOSH PRASAD GUPTA	147R1A0309	SURYA TECH SOLUTIONS	ASHITOSH PRASAD GUPTA 22-911-2013
8	DHEBBEDA ARAVIND	157R5A0308	J.R SEAM LESS TUBES	
9	RALLABANDI DAYAKAR CHARY	157R5A0309	J.R SEAM LESS TUBES	
10	DEVENDRA KUMAR	147R1A0318	AMAZON	

### **STRENGTH OF MECHANICAL DEPARTMENT:**

Dr. A. Raji Reddy	Prof & Director	r_avala@yahoo.com	9248727220
21111 Italy Italy	Prof & Dean		3210727220
Dr.M.Ahmed Ali Baig	Academic's	mabaig13@gmail.com	9502684868
Prof. D Maneiah	Prof & HOD	manikumar.dakkili@gmail.com	9246874863
Dr.T.Tirupati	Prof	tirupatitulasi@y <mark>ahoo.co.in</mark>	9948169378
Dr.M.Shunmuga Sundaram	Prof	sundarprithiv@gmail.com	9942287210
L Mangesh	Assoc. Prof	mlingampalle@gmail.com	9640413647
J Durga Prasad Reddy	Assoc. Prof	reddy.durgaprasad@gmail.com	9885850775
DVSS.Satyanarayana	Assoc. Prof	dv.cmrtc@gmail.com	9866857608
M Gouthamuneswara Rao	Asst. prof	gowtham06310@gmail.com	9032051505
CH Nagaraju	Asst. prof	chrajnaag@gmail.com	9949903352
M Balu	Asst. prof	balu.1703@gmail.com	9912782979
D Nageswara Rao	Asst. prof	nageswarrao.cmrtc@gmail.com	8008718381
R Swetha Reddy	Asst. prof	swetharemata@gmail.com	9959555677
Ch Divya Bharathi	Asst. prof	divyachennupati8@gmail.com	9618483608
K Yamini Reddy	Asst. prof	yamini.kasu@gmail.com	9618672204
Zareena SK	Asst. prof	skzareena564@gmail.com	9966655583
M.Malikarjuna	Asst. prof	mallikarjunamemerala@gmail.com	8019916133
k.Ratna Kumari	Asst. prof	koremratna81@gmail.cim	9885599552
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#### FROM EDITOR'S DESK:



DEAR READERS,

I feel honoured and pleased for the opportunity I got to present before you the much awaited fourth issue of our Annual Newsletter "MECH TIMES". This newsletter brings forward the memories of events which the department has witnessed during the academic year 2017-18. Being in final year I can definitely say that the department has scaled new heights as every year passed. Representing the student community, I put this onus on to the dynamic and student friendly Head of Department Prof. D Maneiah, who with his visionary thoughts and actions has infused a confidence in students that they can achieve anything when backed with hard and smart work. I tried my best in gathering all the events happened throughout the year and present to you all as newsletter.

I take this opportunity to thank Prof. K. Rajanikanth, who along with all his departmental responsibilities spared time for me, in giving a proper shape to this newsletter. I thank all the teaching and non-teaching Faculty in moulding us as engineers.



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