

TECHNICAL MAGAZINE MECH MANTRA



JULY 2016 TO JUNE 2017
VOLUME : 02 & 03

Department of
MECHANICAL ENGINEERING

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MECH MANTRA



YEARLY TECHNICAL MAGAZINE OF
DEPARTMENT OF MECHANICAL ENGINEERING
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET, GUNTUR (Dt)-522 601

ACADAMIC YEAR: JULY 2016- JUNE 2017

1. FACULTY FOCUS

Faculty pursuing Ph.D/M.Tech/M.Phil

S. No.	Name of the Faculty	Name of the Department	Ph.D/ M.Tech/ M.Phil	Title of the Ph. D/Specialization	University
1	Mr.P.Suresh Babu	Mechanical	Ph.D.	Production Engineering	KL University
2	M.K.Krishna Kishore	Mechanical	Ph.D.	Design	Andhra University
3	Mr.Vana Kiran Kumar	Mechanical	Ph.D.	Design	Acharya Nagarjuna University
4	K.Rajesh	Mechanical	M.Tech.	Design	JNTUK

2.Faculty papers published in International and National journals

- Donepudi Jagadish, “**Design and Aerodynamic Analysis of Different Winglets**”, International journal of innovations in engineering and technology, vol.7, no.2, 2016, pp. 401-410.
- Donepudi Jagadish, “**Effect of fuel injection pressure on performance of constant-speed diesel engine fuelled with biofuel mixtures**”, Biofuels,(Taylor&Francis)2016, DOI:10.1080/17597269.2016.1236003.
- Venkata Siva S.B “**Microstructure, mechanical response and fractography of AZ91E/Al₂O₃ (p) nano composite fabricated by semi solid stir casting method**” Journal of Magnesium and Alloys (available online)-- Elsevier publishers

Faculty papers presented in International and National conferences

- Dwivedi Y.D, **Donepudi Jagadish**, V.K.Sridhar and PMV Rao, “ Aerodynamic Analysis of Corrugated Winglet for Improved MAV Performance”, Proceedings of LAMSYS 2016 Conference at SDSC SHAR, Sriharikota, A.P, India, no.C1-017, May 2016.
- **Donepudi Jagadish**, “Effect of Winglet Corrugation for Improved MAV Aerodynamic Performance”, Proceedings of ICCMS, June 27th to July 1st, IIT Bombay, pp.371-374, 2016.
- **K. K. Kishore, Venkata Siva S. B**, J. BabuRao and N. R. M. R. Bhargava “Dry sliding wear studies on Al based metal matrix composite reinforced with ternary alloy Al-20Cu-10Mg” Published in the proceedings of 6th International & 27th All India Manufacturing Technology, Design and Research Conference **AIMTDR-2016**, 16-18 Dec., 2016, College of Engineering, Pune, Maharashtra, pp. 1932-36 (**ISBN: 978-93-86256-27-0**)

Training programmes/workshops/seminars/conferences attended by Faculty

S. No	Name of the Faculty	Department	Name of the Training Programme/Seminar/workshop/conference attend	Venue	Date/s of the event	Organized by
1.	Mr.Krishna Kishore	Mechanical	National Instruments	Guntur	18 th Sep16	National Instruments
2.	Mr. S. B. Venkata Siva	Mechanical	Nano fluid applications for heat transfer and energy systems & simulation using CFD	Andhra University	27 th to 29 th Sep 2016	Nano Technology center, AU

2. DEPARTMENT ACTIVITIES

Training programmes/workshops/seminars/conferences/ Guest Lectures organized by the Department/ college.

S. No.	Department	Name of the Training Programme Seminar/workshop/ conference	Name of the resource person and organization	Name of the co-coordinator	Date/s of the event	No. of Participants
1	Mechanical	ANSYS 17.0	Saktivel M.S, Bharath B.S Coreel Technologies Pvt. Ltd.	Siva Naga Raju	29 th and 30 th September	34

Guest Lectures delivered/acted as resource persons by faculty in other institutions

S. No.	Name of the Faculty	Department	Event in which Guest Lecture/Keynote address/ Delivered	Venue	Date/s of the event
1	Dr.D.Suneel	Mechanical	Guest Lecture	PACE Institute of Technology and Sciences, Ongole.	17/09/2016

Details of equipment /software purchased

S. No.	Department	Name of the Equipment	Make and supplier	Date of the Procurement	Invoice details	Value	Payment details (Cheque/DD No. , date)
1.	Mechanical	ANSYS 17.0	Coreel	31/10/2016	CUP/2016-17/31/HYD	3,40,000/-	147497 30/06/2016
2	Mechanical	Surface Roughness tester	Mehta & Doshi	22/12/2016	32225	1,36,827/-	932128 07/12/2016
3	Mechanical	Stir Casting Machine	Svaksha Thermal Equipments	Raised P.O.	--	3,59,850/-	155652 07/12/2016
4.	Mechanical	Lathe tool dynamometer	Industrial Engineering equipment	Raised P.O.	--	49,382/-	932130 07/12/2016
5.	Mechanical	Ultrasonic sonicator	Samarth Electronics	Raised P.O.	--	39,173/-	932129 07/12/2016

Staff Appointments Made During The Year

S. No	Name of the staff member	Dept.	Qualifications	Date of appointment	Date of joining
1.	S.B. Venkata Siva	Mechanical	M.Tech, (Ph.D.)	18-6-2016	18-6-2016
1.	Ch.Meenakshi Devi	Mechanical	M.Tech	1-6-2016	1-6-2016
2.	Mr.K.Satyanarayana	Mechanical	M.Tech	1-6-2016	1-6-2016
3.	P.V.K.Subrahmanyam	Mechanical	M.Tech	1-6-2016	1-6-2016
4.	K.V.Chalapathi	Mechanical	M.Tech	1-6-2016	1-6-2016
5.	R.K.Sanga Mithra	Mechanical	M.Tech	1-6-2016	1-6-2016
6.	K.Rajesh	Mechanical	B.Tech	1-6-2016	1-6-2016
7.	B.Saida Rao	Mechanical	M.Tech	1-6-2016	1-6-2016
8.	D.Venkat Rao	Mechanical	B.Tech	1-6-2016	1-6-2016

3. STUDENT FOCUS

Papers presented by students in different symposia/conferences.

S. No.	Name of the student	Department	Name of the Symposium attended	Title of the paper	Venue	Date/s of the event	Organized by	Prize if any
1.	Vedadri Sai	Mechanical	RVR Fest	Bio Toilets	RVR&JC		RVR&JC college of engineering	2 nd
2.	Vedadri Sai	Mechanical	Nalanda Fest	Bio Toilets	Nalanda		Nalanda Engineering college	1st
3	I.Gandhi Venkatram	Mechanical	SMCE Fest	Nano Technology	SMCE		SMCE	--

Students achievements in academic activities

S. No.	Name of the student	Department	Name of the Symposium/workshop/attend	Venue	Date/s of the event	Organized by	Prize if any
1.	Vedadri Sai	Mechanical	Smart village open innovation challenge	AU Center	21 st &22 nd June-2016	AU	
2.	I.Gandhi	Mechanical	Smart village open innovation challenge	AU Center	21 st &22 nd June-2016	AU	

* IV/IV students (K.Dharmendra, M.Yasaswi, R.Yeswanth, CH.Krishna chitanya, O.Nagarjuna, V.S.V.Ajay kumar, CH.Vamsi) of mechanical engineering made a start-up for online book selling. (bookbuddyshop.com)

4. CAMPUS PLACEMENTS

S.NO	ROLL NUMBER	NAME OF THE STUDENT	COMPANY	PACKAGE(LP A)
1	13471A03B3	BATHULA RAVINDRA KUMAR	ALLSEC TECHNOLOGIES	1.44
2	13471A03B7	GUNTUPALLI GOPI	ALLSEC TECHNOLOGIES	1.44
3	13471A0302	KOTARU DHARMENDRA BABU	EOS	1.74
4	13471A0324	SOMU SUNIL KUMAR	EOS	1.74
5	13471A0338	ORSU NAGARJUNA	EOS	1.74
6	13471A0393	GONGADI SRIHARI	EOS	1.74
7	13471A0397	KOTHA AMARA VENKATA PURNA CHANDRA RAO	EOS	1.74
8	13471A0309	VIDADALA RAMA KRISHNA	HGS	1.73
9	13471A0367	SHAIK SHAZITH JANI	HGS	1.73
10	13471A03A8	KAKARAPARTHI RAJESH KUMAR	HGS	1.73
11	13471A0317	BANAVATHU GOPALA KRISHNA NAIK	JUST DIAL	2.76
12	13471A0384	NEELAM DINESH SAI	JUST DIAL	2.76
13	13471A03B6	THUMMALA PRAVEEN KUMAR	JUST DIAL	2.76
14	13471A0305	KONAKANCHI RAMBABU	ST MOTORS	1.2
15	13471A0328	SHAIK AKKAJANI BASHA	ST MOTORS	1.2
16	13471A0386	VALLURI HARISH	ST MOTORS	1.2
17	13471A0392	MEDIKONDA VENKATA NARAYANASWAMY	ST MOTORS	1.2
18	13471A0394	INAVOLU GANDHI VENKAT RAM	ST MOTORS	1.2
19	13471A03A3	BOONABOINA RAVI TEJA	ST MOTORS	1.2
20	13471A03F9	GARAPATI JAYA PRAVEENA	ST MOTORS	1.2

21	13471A03C 8	KAYAKOKULA LAKSHMAN	ST MOTORS	1.2
22	13471A03D 3	DEVABHAKTINI JAGADEESH	ST MOTORS	1.2
23	13471A039 9	SHAIK ABDUL KHADAR JILANI	TECHMAHINDR A	2.6
24	13471A031 0	PONNAPALLI HAREESH	VARUN MOTORS	1.2
25	13471A031 3	MULAKALURI SAI YASASWI	VARUN MOTORS	1.2
26	13471A031 4	RAMISETTY YASWANTH	VARUN MOTORS	1.2
27	13471A034 1	SHAIK JANI BHASHA	VARUN MOTORS	1.2
28	13471A034 5	CHAITANYA BANDARU	VARUN MOTORS	1.2
29	13471A034 8	CHINTA VAMSI	VARUN MOTORS	1.2
30	13471A035 3	UPPALAPATI SAMPATH KUMAR	VARUN MOTORS	1.2
31	13471A035 7	VISSARAPU GOPI	VARUN MOTORS	1.2
32	13471A035 8	NAKKA SAI KRISHNA	VARUN MOTORS	1.2
33	13471A036 1	MOHAN SIVA KRISHNA REPALLE	VARUN MOTORS	1.2
34	13471A037 5	YEDDULA PRASHANT	VARUN MOTORS	1.2
35	13471A037 7	PANDITI PRUDHVI KUMAR REDDY	VARUN MOTORS	1.2
36	13471A038 0	GUTTIKONDA VENKATA MAHESH	VARUN MOTORS	1.2
37	13471A038 9	GANTA VEERA MANI SHANKAR	VARUN MOTORS	1.2
38	13471A03A 1	THATI VENKATA GOPINAD H	VARUN MOTORS	1.2
39	13471A03A 6	MOHAMMED GULAM AHMED SHABBAR	VARUN MOTORS	1.2
40	13471A03A 7	BATTHULA SRINIVASA RAO	VARUN MOTORS	1.2
41	13471A03B 4	MUMMAREDDY PRANEETH KUMAR	VARUN MOTORS	1.2
42	13471A03C 0	DUGGINENI MANISHA	VARUN MOTORS	1.2
43	13471A03C 3	PENUMUCHU SAI RAM	VARUN MOTORS	1.2
44	13471A03C 5	DOKKU SAI TEJA	VARUN MOTORS	1.2

45	13471A03C 6	MOGILIPALEPU YAMALAI AH	VARUN MOTORS	1.2
46	13471A03F 1	PASUPULETI MANI SAI	VARUN MOTORS	1.2
47	13471A03G 5	KORRAPATI ROHITH SAI	VARUN MOTORS	1.2
48	13471A03G 7	KOTELLA RAJA SEKHAR REDDY	VARUN MOTORS	1.2
49	13471A03G 9	AMMANABROLU VINOD KUMAR	VARUN MOTORS	1.2
50	13471A030 7	YELINEDI NARESH	WINDCARE	2
51	13471A032 1	CHINNI ADITHYA	WINDCARE	2
52	13471A032 2	DIVVELA VENKATA SIVA AVINASH	WINDCARE	2
53	13471A038 2	MARUTLA RAMSINGH	WINDCARE	2
54	13471A03G 2	YARAM SIVA REDDY	WINDCARE	2

COURSES

UG-B.TECH

Civil Engineering

Electrical & Electronics Engineering

Mechanical Engineering

Electronics & Communication Engineering

Computer Science and Engineering

PG-M.TECH

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Power and Industrial Drives

Thermal Engineering

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Structural Engineering

PG: MBA, MCA

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