

TECHNICAL MAGAZINE MECH MANTRA



JULY TO DECEMBER 2018
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Department of

MECHANICAL ENGINEERING

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MECH MANTRA

**HALF YEARLY TECHNICAL MAGAZINE OF DEPARTMENT OF
MECHANICAL ENGINEERING
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET, GUNTUR (Dt)-522 601
ACADEMIC YEAR: 2018 JULY – DECEMBER**

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.	P.Suresh Babu	Mechanical	Ph.D	PRODUCTION	KLU
2.	J.Pavanu Sai	Mechanical	Ph.D	THERMAL	Vignan University
3	Ch.Sekhar	Mechanical	Ph.D	THERMAL	Vignan University
4	B.Saida Rao	Mechanical	Ph.D	PRODUCTION	VIT-AmaravathI

Faculty papers presented in International and National conferences.

International Conference:

- K. K. Kishore, B Venkata Siva, J. BabuRao and N. R. M. R. Bhargava “**Tribological studies of Al-based metal matrix composite reinforced with Al-20Cu-10Mg ternary alloy using Taguchi technique**” Int. J. Materials Engineering Innovation, 2018, Vol. 9, No.2, pp. 94-114. Inderscience Publishers-Scopus indexed-SNIP-.326,Cite Score-.36.
- B. Venkata Siva, “**Experimental Studies of Mechanical Properties and Tribological Behavior of Aluminium Composite Reinforced With Coconut Shell Ash Particulates**” Int. J. Materials Engineering Innovation, 2018, Vol. 9, No.2, pp. 140-157. Inderscience Publishers-Scopus indexed-SNIP-.326,Cite Score-.36.

- Rajesh Kambala, and P. Suresh Babu, published “**Synthesis and Comparative Machining Characterization of A356 - Graphite, A356 – SiC and A356 – CaSiO3 Composites**” in International Research Journal of Engineering and Technology (IRJET), Volume: 05 Issue: 08, Aug 2018.
- ch. sekhar published “**Modeling and Structural analysis of bike rear shock absorber spring**” International Research Journal of Engineering and Technology (IRJET) e ISSN: 2395-0056 Volume: 05 Issue: 07 | July 2018.
- Sekhar Chinthamreddy published “**finite element analysis of damping properties of high strength aluminum a356 alloy composite**”, International Journal of Applied Research In Science And Engineering Volume 3, Issue 1, September-2018 ISSN: 2456-124X .
- Donepudi.Jagadish published “finite element analysis of damping properties of high strength aluminum a356 alloy composite” International Journal Of Applied Research In Science And Engineering Volume 3, Issue 1, September-2018 *ISSN: 2456-124X* .
- Donepudi Jagadish published “**performance and emission studies of algae (nodularia spumigena) biodiesel in constant speed ci engine equipped with diesel particulate filter**” International Journal of Pure and Applied Mathematics Volume 120 No. 6 2018, 4367-4381 ISSN: 1314-3395 (on-line version).
- B. Venkata Siva, published “**Modelling and Finite Analysis of Delaminated Composite Beams**”, International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 , Volume: 05 Issue: 09, Sep 2018, pp. 273-284.

Books Authored by Faculty:

S. No.	Name of the faculty / Staff	Name of the Book	Subject	Publisher	Date of Publications
1	Dr.D.Suneel	Synthesis & Characterization of Metal Matrix Nanocomposites with Ultrasonic Cavitation Assisted Dispersion of SiC Nanoparticles in A356 alloy	Mechanical	Lambert Academic Publishing	November,2018 ISBN 978-613-9-96351-5
2	Dr.D.Suneel	Analytical Investigations on Stress Relaxation at Elevated Temperature	Mechanical	Lambert Academic Publishing	January, 2019, ISBN 978-613-9-98711-5, Project-ID (186101).

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-ordinator	Date/s of the event	No. of Participants
1	Mechanical	One-Day Seminar Advance in Welding Technologies	A team from Indian Institute Of Welding-Vizag	Dr S. B. Venkata Siva	29-9-18	240
2	Mechanical	A Two Day Workshop Non-Destructive Testing & valuation	Bharat Institute & Technical services-Vizag	Dr S. B. Venkata Siva	20th& 21st-07-2018	96
3	Mechanical	A Guest Lecture on Finite Element Analysis	GM Rajamahendra, YuCan Technologies, Bangalore	Dr. D. Suneel	18-07-2018	206
4	Mechanical	Work shop on Aeromodelling	P. K. Swain, RC Wing Odisha	Dr S. B. Venkata Siva	21st& 22nd-07-2018	108
5	Mechanical	Training on "ROBOCAD"	APSSDC	B.SaidaRao	04to 08-09-2018	30
	Mechanical	FDP on Optimization using MAT Lab	S.S. Dhami, NITTTR Chandigarh	Dr S. B. Venkata Siva	27 to 31-8-18	49
6	Mechanical	3D PRINTING TECHNOLOGY WITH HANDS ON TRAINING	Dr. Y Ravi Kumar, NIT WARANGAL	Dr S. B. Venkata Siva	22 to 27-11-18	89
7	Mechanical	Seminar on "Heat Ventilation & Air Conditioning"	Mr.Sayeed, Acton design Engineers private Limited	M. Venkanna Babu	18 to 19-9-2018	90
8	Mechanical	Training on "NX DESIGN"	APSSDC	B.SaidaRao	01to 06-10-2018	32
9	Mechanical	Workshop on "Heat Ventilation & Air Conditioning"	Mr.Sayeed, Acton design Engineers private Limited	M. Venkanna Babu	21 to 28-12-2018	67
10	Mechanical	Training on "ROBOCAD"	APSSDC	B.SaidaRao	31-12-2018 to 05-01-2019	37
11	Mechanical	FDP on Industry 4.0	S.S. Dhami, NITTTR Chandigarh	Dr. D. Suneel	23 to 25-1-19	50

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	Dr.B.venkatasiva	Mechanical	Training on ARC1.0	Aachen, Germany	10/12/2018 to 18/12/2018	APSSDC and ECM
2	P.Suresh Babu	Mechanical	workshop on “Entrepreneurship workshop on Venture Development Ready stage	V.R Siddhartha Engineering College, Vijayawada	03-07-18	V.R Siddhartha Engineering College
3	Sk.G.sharief & P.Narasimharao	Mechanical	“Computer Aided Metrology”,workshop	Sree Vidyanikethan Engineering college ,Rangampet,Chittoor(Dt)	29 &30 - 11 2018.	Sree Vidyanikethan Engineering college

Visits to other peer institutions/Universities in India and abroad

S. No.	Name of the faculty / Staff	Country Visited	Date	Purpose	Organization visited
1	Dr.B.Venkata Siva	Aachen, Germany	10/12/2018 to 18/12/2018	Training on ARC1.0	APSSDC and ECM

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	Bomb Calorimeter	Efficient Engineers	21/08/2018	GST/EE/57	81,420	894474 18-9-18
2	Mechanical	Junker Gas Calorimeter	Efficient Engineers	21/08/2018	GST/EE/57	93,692	894474 18-9-18

3.STUDENT FOCUS

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	SK.Karimulla (16471A0305)	Mechanical	SCALE workshop2018 im Association with IUCEE & APSSDC	University College of Engineering JNTUK Narasaraopeta	26 th – 28 th July -2018	---	---
2	G Madhav Krishna (16471A0346)	Mechanical	SCALE workshop2018 im Association with IUCEE & APSSDC	University College of Engineering JNTUK Narasaraopeta	26 th – 28 th July -2018	---	---
3	K. Ashok Chakravarthi (16471A0349)	Mechanical	SCALE workshop2018 im Association with IUCEE & APSSDC	University College of Engineering JNTUK Narasaraopeta	26 th – 28 th July -2018	---	---
4	SK.Mohammad Sharief (16471A0354)	Mechanical	SCALE workshop2018 im Association with IUCEE & APSSDC	University College of Engineering JNTUK Narasaraopeta	26 th – 28 th July -2018	---	---
5	Sk.Abdul Ghani (17475A0303)	Mechanical	SCALE workshop2018 im Association with IUCEE & APSSDC	University College of Engineering JNTUK Narasaraopeta	26 th – 28 th July -2018	---	---
6	N.Pradeep (17475A0314)	Mechanical	SCALE workshop2018 im Association with IUCEE & APSSDC	University College of Engineering JNTUK Narasaraopeta	26 th – 28 th July -2018	---	---
7	C V Sai Ram (17471A03)	Mechanical	SCALE workshop2018 im Association with IUCEE	University College of	26 th – 28 th July -2018	---	---

			& APSSDC	Engineering JNTUK Narasaraopet a			
8	I Naveen (17471A0356)	Mechanical	SCALE workshop2018 im Association with IUCEE & APSSDC	University College of Engineering JNTUK Narasaraopet a	26 th – 28 th July -2018	---	---
9	P.Raghavendra Babu (17471A0367)	Mechanical	SCALE workshop2018 im Association with IUCEE & APSSDC	University College of Engineering JNTUK Narasaraopet a	26 th – 28 th July -2018	---	---
10	D. Prince Vijay Kumar (17471	Mechanical	SCALE workshop2018 im Association with IUCEE & APSSDC	University College of Engineering JNTUK Narasaraopet a	26 th – 28 th July -2018	---	---
11	N. Siva Naga Raju (17471A0379)	Mechanical	SCALE workshop2018 im Association with IUCEE & APSSDC	University College of Engineering JNTUK Narasaraopet a	26 th – 28 th July -2018	---	---
12	K.Sandeep Kumar (16471A0330) Sri Ram Kishore (16471A0321) D.Sai Gopi (16471A0320) Sk.Yasin (17471A0323)	Mechanical	Amaravati Mini Maker Faire”orgnized	Siddartha Institute of Hotel Management, Vijayawada	29-07-18	APSSD C	

List of companies visited

S.No.	Name of the Company	
1	Kumar Pumps, Tenali	(18&19-7-18)
2	Dr.NTTPS, Vijayawada	(07 to10-01-2019)
3	Mittapalli Spinners, Narasaraopet	(10-08-2019)
4	Jocil Limited, Guntur	(22 to 29-01-2019)

4.CAMPUS PLACEMENTS

The following are the students placed in various companies.

S.No.	HT No.	Branch	Name of the Student	Selected company name	Date of recruitment	Annual Package LPA
1	15471A0307	Mechanical	MANDRU TEJA	EDUFIC	01-10-2018	3.6
2	15471A0309	Mechanical	GURRALA VICTOR PAUL	EDUFIC		3.6
3	15471A0329	Mechanical	NARISSETTI V SAI SAMEER	EDUFIC		3.6
4	15471A0336	Mechanical	TALLURI VENKATA RAKESH	EDUFIC		3.6
5	15471A0387	Mechanical	NARENDRA NATH KOPPALLI	EDUFIC		3.6
6	15471A03F5	Mechanical	CHAVALI S LC ANIRUDH	EDUFIC		3.6
7	16475A0317	Mechanical	SHAIK ABDUL SAMEER	EDUFIC		3.6
8	15471A0381	Mechanical	MANDULA SANJAY KUMAR	ZENUS GROUP		1.68
9	15471A0372	Mechanical	KESARANENI GOPI	Mitsuba Sical India Pvt. Ltd		1.48
10	15471A03B4	Mechanical	SHAIK ABBAS			1.48
11	15471A03F7	Mechanical	GANTA CHANDRASEKHARA REDDY		1.48	
12	15471A0341	Mechanical	D.M NAGASAI NAVEEN	SAVANTIS	23-11-2018.	1.83
13	15471A03G3	Mechanical	MEDIKONDA SAI KRISHNA			1.83

14	15471A0388	Mechanical	ADITYA SAI ADAPA	SUPER AUTO FORGE	04-12-2018	1.44
15	15471A0380	Mechanical	SAI KUMAR VEMULA			1.44
16	15471A03F1	Mechanical	NANDIKATTU SIVA NAGESWARA REDDY			1.44
17	16475A0315	Mechanical	NAGARJUNA PARUCHURI			1.44
18	16475A0323	Mechanical	MADDU SARATH BABU			1.44
19	16475A0333	Mechanical	SHAIK SHALEEM			1.44
20	15471A03F7	Mechanical	GANTA CHANDRASEKHARA REDDY			1.44
21	15471A03A5	Mechanical	AFREED SHAIK			1.44
22	15471A03F4	Mechanical	DINESH			1.44
23	15471A03A0	Mechanical	ANNADASU MANIKANTA			1.44
24	16475A0338	Mechanical	NAIDU BELLAPU			1.44
25	16475A0339	Mechanical	CH.SAI CHARAN			1.44
26	15471A03B2	Mechanical	PATHRI GOPIKRISHNA			1.44

27	16475A0326	Mechanical	SRIDHAR KUNCHALA			1.44
28	16475A0302	Mechanical	SHAIK ABDUL MOBEEN			1.44
29	16475A0310	Mechanical	BAIREDDY AYYAPPA REDDY			1.44
30	15471A0389	Mechanical	KOMMA VAMSEE KRISHNA PRASAD			1.44
31	15471A03G0	Mechanical	UPPALA NARESH BABU			1.44
32	15471A03G5	Mechanical	KANALA VENKATESWARLU			1.44
33	15471A03A7	Mechanical	CHATTALA BHARGAVA RAMUDU			1.44
34	16475A0320	Mechanical	KAVURI NARESH			1.44
35	15471A0372	Mechanical	GOPI KESARANENI			1.44
36	16475A0341	Mechanical	SUBHANI MUJAVAR			1.44
37	16475A0311	Mechanical	KONIKA VENKATESH			1.44
38	16475A0331	Mechanical	D.V. L. SIVA KISHORE			1.44
39	15471A0368	Mechanical	PASUPULETI PARDHASARADHI			1.44

40	15471A03B4	Mechanical	SHAIK ABBAS			1.44
41	15471A0315	Mechanical	GUDA KAUSHIK			1.44
42	16475A0301	Mechanical	VANGIPURAPU SAI TEJA			1.44
43	15471A0335	Mechanical	KONKAYALA VIJAY THIRUMALA REDDY	Mphasis LTD	06-12-2018	2.04
44	15471A0363	Mechanical	SATULURI TARUN SAI KUMAR			2.04
45	15471A0374	Mechanical	VADISALA SITA RAMI REDDY			2.04
46	15471A03F9	Mechanical	BHUPATHI VENKATESH			2.04
47	16475A0309	Mechanical	DOGIPARTHI PRUDHVI			2.04
48	16475A0316	Mechanical	KONDAPALLI SAI KUMAR			2.04

MOUs

MEMORANDUM OF UNDERSTANDING

BETWEEN



DEPARTMENT OF MECHANICAL ENGINEERING

NARASARAOPETA ENGINEERING COLLEGE (Autonomous)

Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, AP

AND



BITS NDT (BHARAT INSTITUTE & TECHNICAL SERVICES)

#58-1-330, Opposite Bhashyam School, NAD Junction Main Road, Butchiraju Palem,

Visakhapatnam, Andhra Pradesh -530027, Phone: (+91) 8688769769, 8099769769,

Email: info@bitsndt.com, Web: <http://www.bitsndt.com/>

JULY 2018

The parties hereto have executed this agreement as of the last written date below.

Narasaraopeta Engineering College
(Autonomous)

BITS NDT
Bharat Institute & Technical Services



Dr. M. SREENIVASA KUMAR
Principal



Mr. CH. SATISH KUMAR

Narasaraopeta Engineering College
(Autonomous),

Manager (Marketing & Operations)
BITS NDT,

Kotappakonda Road, Yellamanda (Post),
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Andhra Pradesh, Phone: 08647-239905.

Bharat Institute & Technical Services
NAD Junction Main Road, Butchiraju
Palem, Visakhapatnam - 530027, Andhra
Pradesh, Phone: (+91) 8688769769

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARACPET - 522 601,
Guntur (Dist.), A.P.



Witness:

Dr. D. SUNEEL
Vice-Principal

Narasaraopeta Engineering
College(Autonomous),
Kotappakonda Road, Yellamanda (Post),
Narasaraopet – 522601, Guntur District,

Witness:



Mr. M. BALA KRISHNA

Quality Controller (Piping & Welding)
BITS NDT,
Bharat Institute & Technical Services
NAD Junction Main Road, Butchiraju
Palem, Visakhapatnam - 530027,

COURSES

UG-B.TECH

Civil Engineering

Electrical & Electronics Engineering

Mechanical Engineering

Electronics & Communication Engineering

Computer Science and Engineering

PG-M.TECH

Computer Science and Engineering

Digital Systems and Computer Electronics

Digital Electronics and Communication Systems

Power and Industrial Drives

Thermal Engineering

Machine Design

Structural Engineering

PG: MBA, MCA

Master of Business Administration (Dual Specialization)

Master of Computer Applications (Two Years Programme)



NARASARAOPETA

ENGINEERING COLLEGE

(AUTONOMOUS)

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