

DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Development Programs conducted:

1. One week Faculty Development Program on Engineering graphics from 24th-29th July 2017.



SEMINARS ATTENDED:

1. Dr.P.Ravi Kumar, Dr.B.srinivasa Varma, Mr.KPV Krishna Varma, Mr.N.Chakravarthi, Mr.D.ajay, Mr. K.Srinivasulu, Mrs. V.Prasanna , Faculty of Mechanical Engineering Department attended seminar on Intellectual Property Rights by Dr.H.B.Singh, Prof., BHU on 26/8/2017 in CMR College of Engineering & Technology, Hyderabad.
2. Mr.D.Ajay, Assistant Professor attended technical Seminar on Launch of Siemens certified Professional Program on 20th December 2017.

STUDENT CONVENTIONS ORGANIZED:

SAE ISS Student convention 2017-18 TIER-II competition has held at CMR College of Engineering & Technology on 30th December 2017. A total of 35 events were conducted and over 600 students enthusiastically participated in them. These events include activities such as group discussion, technical paper presentation, auto-quiz etc. Six highly respected dignitaries from various government organizations and institutions were external judges and a total of 15 internal

Judges coordinated to make the event a grand success. At-last, the first two position holders of each event are selected for the TIER-III LEVEL that is tentatively to be due in the month of March

2018. Dr. A.V.S.S.K.S. Gupta, Professor, JNTUH College of Engineering, attended as Chief Guest and briefed about automotive engineering. Sri Gopal Reddy, Secretary and Correspondent, CMRCET,

advised the students to get practical exposure. Dr. V.A. Narayana, Principal, stressed about the importance of participation in cocurricular activities. Dr. M. Sudhakar, Dean (Planning & Development), Dr. B. Lokeshwera Rao, Dean (Academics), Dr. P. Ravi Kumar, HOD, Mechanical Engineering, Mr. A. Harish and Mr. B. Naresh Kumar, Faculty coordinators, SAE, thanked the student volunteers of SAE for making the event a grand success. Dr. Gururaj Telasang, Secretary, SAE ISS, Hyderabad Division, thanked management of CMRCET for organizing this event.





PARTICIPATION of MECHANICAL DEPARTMENT FACULTY IN FACULTY DEVELOPMENT PROGRAMMES:

1. Mr.Santosh V Kulkarni , Assoc. Professor and Mrs.S.Lavanya, Asst.Professor have participated in digital Prototype by Autodesk inventor from 4th – 8th July 2017 by ICT academy at Vardhaman College of Engineering,kacharam, Shamshabad, Hyderabad,Telangana, India .
2. Mr.K.Rajesh, Asst.Professor ,Mr.K.Sathish, Asst.Professor ,Mr. Ch.YellaReddy, Asst.Professor, Mr. A.Joshua ,Asst.Professor have attended the three day Faculty Development Program on Innovative Teaching Techniques in Engineering Graphics from 5th to 7th July 2017 at Anurag Group of Institutions, Venkatapur (V),Ghatkesar(M),Medchal Malkajgiri Dt., Telangana,India.
3. Mr. M.Kamal, Asst.Professor has participated in a one week Faculty Development Programme on 3D Printing Technology in Engineering Education organized by the Department of Mechanical Engineering in association with Teaching Learning Centre, national Institute of Technology Waranagal from 10th-15th July 2017.
4. Mr.N. Munish Babu, Assoc. Professor participated in CII Telangana Mission to Tecumseh Products India Pvt Ltd. And Usha International Ltd, Balanagar, Hyderabad on 21-07-2017.
5. Mr.D.Ajay, Associate Professor & Mr.B.Dharma Teja, Assistant Professor, attended two day Orientation Program on Machine Drawing with AUTOCAD from 21st to 22nd July 2017 organised by Department of Mechanical Engineering, MVSR Engineering College, Hyderabad.
6. Mr.A.Harish,Asst.Professor, attended 5th National conference on e learning and e learning technologies (ELETECH India 2017) at UGC HRD Centre, JNTU Hyderabad FROM 3rd to 4th August 2017.
7. Dr.B.Srinivasa Varma, Professor, Department of Mechanical Engineering , attended one day Seminar on Failure Analysis in Metallurgical Industries(FAME-2017) conducted by the Hyderabad chapter of the Society for Failure Analysis (SFA) in association with Defence Research & Development Organisation (DRDO), India on 5th August 2017.
8. Mr.N.Vinayak, Assistant Professor and Mr.P.Mahesh Babu , Assistant Professor attended two days Faculty Development Program held on 10-11 August 2017 at Hyderabad, organised by CII Telangana in association with Involute Automation (P) Ltd., Jeedimetla, Hyderabad.
9. Mr.N.Chakravarthi, Associate Professor and Mr. Sai Kumar Aniseti attended Faculty Development program on Research Process, Publications, Evaluation & Challenges in research organized by Loyola Academy Degree & PG College, Secunderabad on 21st October 2017.
10. Mr.N.Chakravarthi, Associate Professor and Mrs.S.Lavanya, Assistant Professor attended two week Faculty Development Program on Rapid Casting Techniques conducted by Gurunanak Institute of technology, Hyderabad from 27th November to 09th December 2017.
11. Mr.A.Harish, Assistant Professor and Mr.Venkat Rao Kulkarni, Assistant Professor attended Basic level Training program organized by CIT-KUKA industrial Robotics Training & research Centre held at Chennai Institute of Technology, Chennai from 06-12-2017 to 16-12-2017.
12. Mr.P.Mahesh Babu attended two week Faculty Development programme on Recent advances in Design & Development Of Mechatronics & Robotic Systems organized by Department Of Mechanical Engineering, Mahatma Gandhi Institute of Technology, Hyderabad from 04-16 December 2017.

13. Mr.P.Sridhar, Associate Professor and Mr.B.Naresh kumar, Assistant Professor attended Faculty development Programme at IIT, Hyderabad from 16-17 December 2017.

Papers Published in Journals by faculty of Dept. Of Mech. Engg.:

S.No .	Name of the Faculty	Title of the Paper	Journal	Month & Year of Publication	Volume/ Issue	ISSN/ ISBN
1	Dr.P.Ravi Kumar	Optimization Of Surface Roughness In Cylindrical Grinding Process	International Journal of Applied Engineering Research	Volume 12, Number 18	October 2017	0973-4562
2	Dr.B.srinivasa Varma	Investigation of Characteristics in Electrical Discharge Machining Of Certain Cast Irons Using Response Surface Methodology	International Journal of Applied Engineering Research	Volume 12, Number 17	September 2017	0973-4562
3	Mr.D.Ajay	Optimization of cutting parameters for zirconium diboride (ZrB ₂) Using wire cut EDM	International Journal of Applied Engineering Research	Volume 12, Number 18	October 2017	0973-4562
4	Mr.KPV Krishna Varma	Enhancement of Heat Transfer Using Fe ₃ O ₄ / Water Nanofluid with Varying Cut-Radius Twisted Tape Inserts	International Journal of Applied Engineering Research	Volume 12, Number 18	October 2017	0973-4562
5	Mr.Venkata Rao	Wing Optimization for High Endurance Applications Using Teaching Learning Based Optimization	International Journal of Applied Engineering Research	Volume 12, Number 18	October 2017	0973-4562
6	Mrs.V.Prasanna,	Aspects of Friction stir weldments of rare earth AE42 Magnesium Alloy	International Journal of Applied Engineering Research	Volume 12, Number 17	September 2017	0973-4562
7	Mr.A.Sai Kumar ,	Torsional Buckling response of open cross section structures lying on Winkler Pasternak Soil Via dynamic matrix Method	International Journal of Civil Engineering and Technology,	Volume 8, Issue 8	August 2017	Print: 0976-6308, Online: 0976-6316

Papers Published in Conferences by faculty of Dept. Of Mech.Engg.:

S.No.	Name of the Faculty/ Student	Title of the Paper	Name of the Conference	Dates of Conference	Venue	ISSN / ISBN
1	Dr.B.Srinivasa Varma, Y.Someshwar Rao, Pawan Kumar	Effect of friction Stir welding on The hardness And Surface roughness Of AA-6061 T6 Aluminium alloy	Proceedings of International conference on Mathematical Sciences in Engineering Applications	22 nd -24 th December 2017	Baba Institute of Technology & Sciences	
2	Dr.P.Ravi Kumar, Gibin joseph, ASDVNS Srujana, P.Yeshpal Reddy, A,ajay kumar	Aerothermodynamic Analysis of hypersonic re-entry Vehicle	Proceedings of 1 st national Conference on innovative approaches in Mechanical Engineering(NCIAME-17)	Sept 22-23, 2017	St.Martins Engineering college, Secunderabad	ISBN : 978-93-85101-96-0
3	Mr.Venkata Rao, Ms.Chanda Divya,	Analysis of scramjet Inlet Operating at mach-5	Proceedings of 1 st national Conference on innovative approaches in Mechanical Engineering(NCIAME-17)	Sept 22-23, 2017	St.Martins Engineering college, Secunderabad	ISBN : 978-93-85101-96-0
4	Mr.E.Sammaiah, G.Rahul, S.Shashikanth,	Design and fluid flow analysis of Convergent Divergent Nozzle	Proceedings of 1 st national Conference on innovative approaches in Mechanical Engineering(NCIAME-17)	Sept 22-23, 2017	St.Martins Engineering college, Secunderabad	ISBN : 978-93-85101-96-0

GUEST LECTURES ORGANISED BY DEPT.OF MECH.ENGG.:

S.No.	Guest Lecture	Date	Resource Person	Targeted audience
1	Non conventional sources of Energy	11-08-2017	Dr.Narsimhulu sanke, Associate Professor, Osmania University	VII Semester B Tech Mech.Engg students
2	Engines used in war tanks	28-08-2017	Colonel M.Balaji, Head Of the Department,	VII Semester B Tech Mech.Engg students

			Military College of Electronics & Mechanical Engineering,	
3	Career counselling and opportunities with TATA training and certification	1-11-2017	Tata Projects Limited & IQRA,Hyderabad	VII Semester B Tech Mech.Engg students
4	Career Counselling	4-11-2017	Mr.Vijay Deshpande, HR Manager, Deepak Nitrate Limited	VII Semester B Tech Mech.Engg students

WORKSHOPS/FDPs/SEMINARs ATTENDED BY STUDENTS OF MECH.ENGG.DEPT.:

S.No.	R.No.	Name of the Student	Name of the FDP/Workshop	Organized by	Duration
1	16H51A0357	Mr. Ambati Rahul	Fast Track Automotive, ATMOS 2017, the National Techno Management Festival	BITS PILANI Hyderabad campus.	27 th to 28 th October 2017
2	16H51A0358	Ankam Kalyan			
3	13H51A0310	D. Sahith Varma			
4	13H51A0310	D. Sahith Varma	Fast Track Assembly and Disassembly Workshop	BITS PILANI Hyderabad campus.	27 th to 28 th October 2017
5	13H51A0310	D. Sahith Varma	Youth Speak Forum	BITS PILANI Hyderabad campus.	27 th to 28 th October 2017
6	15H51A0387	Mr. Kota Jayanth	Technozion17	NIT Warangal	27-29 October 2017
7	16H55A0315	Mr. M. Pavan Kumar,	Computational Fluid Dynamics at Technozion17	NIT Warangal	27-29 October 2017
8	16H55A0322	Mr. G. Santosh Kumar,			
9	17H55A0319	Mr. Kurra Prabhu			
10	16H51A03A3	Mr. Vijaya Raghavan,	Autocraze Workshop” at Technozion17.	NIT Warangal	27-29 October 2017
11	16H51A0389	Mr. Jetandra Pasam,			
12	16H51A0386	Mr. N. Ajith,			
13	16H55A0315	Mr. M. Pavan Kumar,			

14	16H55A0322	Mr. G. Santosh Kumar,			
15	17H55A0319	Mr. Kurra Prabhu			
16	16H51A0378	Mr. Katarapu Boya Rohith	Robotics Workshop at Technozion17	NIT Warangal	27-29 October 2017
17	15H51A0346	Mr. N. Abhishek	Baffled Minds at Technozion17	NIT Warangal	27-29 October 2017
18	15H51A0355	Mr. Shaik Rifshu Hussain			
19	16H51A0352	Mr. Vishwanath Narahari	Paper Presentation at Rasayanika2K17	Anurag Group of Institutions	15 th -16 th September 2017
20	16H51A0352	Mr. Vishwanath Narahari	Model Making at Rasayanika2K17	Anurag Group of Institutions	15 th -16 th September 2017
21	15H51A0346	Mr. N. Abhishek	Two day research work shop	IIIT HYD	26 to 27 Aug 2017
22	15H51A0355	Mr. Shaik Rifshu Hussain			
23	15H51A0329	Mr. Kavali Vinay	Plant training in the area of CNC and CAD/CAM	NSIC Corp Ltd, HYD	22-06-2017 to 5-07-2017
24	15H51A0347	Mr. N Sainath Reddy			
25	14H51A0353	Mr.T.Rohan	Regional Workshop of 9 th India Innovation Initiative 2017	KL University Vijayawada Andhra Pradesh.	13-14 October 2017
26	17H55A0319	Mr. K. Prabhu,	Lean Six Sigma for Engineers and its Applications in Automobile Manufacturing	Industry Institute Interaction Cell-CMREC and SAE India CMRCET College Club	19 th to 20 th September 2017.
27	16H51A0312	Mr.Ch. Sahith			
28	16H51A0315	Mr.G.Sandeep			
29	16H51A0357	Mr.A.Rahul			
30	16H51A0358	Mr.A.Kalyan			
31	16H51A0372	Mr.G.A.Vivek			
32	16H51A0395	Mr. Shiva Kumar Wadekar			

33	16H51A03A0	Mr.Mouneshwar	All India Seminar on "Fuel Cells and Hybrid Vehicle Technology	The Institution of Engineers, HYD.	18 th and 19 th Aug 2017			
34	16H51A03A1	Mr.V.B.Venkat						
35	17H55A302	Mr.A.Bhanu Nikhil						
36	17H55A319	Mr.K.Prabhu						
37	15H51A0319	Mr.G.SaiKumar						
38	15H51A0327	K.Navyasri						
39	15H51A0328	Mr. K. Abhinave Chandra						
40	15H51A0333	Mr.M.K.R.Madhav						
41	15H51A0349	Mr. P. Praveen						
42	15H51A0350	Ms.P.Roja	All India Seminar on "Fuel Cells and Hybrid Vehicle Technology	The Institution of Engineers, HYD.	18 th and 19 th Aug 2017			
43	15H51A0352	Mr.P.Naga Sai						
44	15H51A0387	Mr.K.Jayanth						
45	15H51A03A7	Mr.P.PrudhviRaj						
46	15H51A03B3	Mr.Shah Yash						
47	16H55A0307	Mr.G.Kalyan Kumar						
48	16H55A0314	Mr.M.VenkatRamana						
49	16H55A0316	Mr.Meghanath						
50	14H51A0301	Mr. A. Nithin Chanakya						
51	14H51A0331	Mr. M Ramu						
52	14H51A0333	Mr. M. Harsha						
53	14H51A0334	Mr.M.Manoaj Kumar						
54	14H51A0340	Mr.P.Vijay Sai						
55	14H51A0353	Mr. T. Rohan						
56	14H51A0358	Mr.V.DilipReddy						
57	14H51A03A1	Mr.P.ChandraShekar						
58	16H51A0373	G. Karan				Automobile	Srinidhi	

59	16H51A0364	Ms. Tejaswi	Mechanics Workshop of ROBOVEDA17	Institute of Science and Technology	15 th sep to 17 th sep 2017.
60	16H51A0368	Mr. Shithikanta,			
61	16H51A0387	Mr. Rahul			

INDUSTRY INSTITUTE INTERACTION BY MECH.ENGG. DEPT.

S.No.	Name of the Faculty	Industries Interacted	Date
1	Dr.B.Srinivasa Varma	Industries in and around Patancheru	07-09-2017 to 09-09-2017
2	Mr.N.Munesh Babu	Industries in and around Cherlapalli, Uppal, Shamshabad	07-09-2017 to 09-09-2017
3	Mr.KPV Krishna Varma	Industries participated in Industrial Exhibition at Hitex	08-09-2017 to 09-09-2017

STUDENT ACHIEVEMENTS.

S.No.	R.No.	Name of the Student	Event	Duration
1	16H51A0352	Viswanath Narahari	First Prize in Model Making at Rasayanika 17	15 th -16 th Sep 2017
2	13H51A0310	D. Sahith Varma	First Prize in Fast Track Assembly and Disassembly Workshop at BITS PILANI Hyderabad campus.	27 th to 28 th October 2017
3	15H51A0308	B.Venkatesh	Second prize in short film contest in Srujana event conducted at VBIT, Hyderabad.	30/03/2018 to 01/04/2018

NSS Activities by Department of Mech.Engg.:

S.No.	Name of Activity	Date	Targeted Audience
1	Swachh Bharat at Shamshabad.	15-7-2017 to 17-07-2017	II,III,IV B .Tech NSS Students
2	Hakimpet Airforce station	12-08-2017	II,III,IV B .Tech NSS Students
3	Blood Donation & Haritha Haram	19-08-2017	II,III,IV B .Tech NSS Students and faculty

PATENTS FILED BY MECH. DEPT.:

Sl. No	Title of the Idea	Name of the Student	Year & Sec	Name of the Faculty
1	Advanced Safety System For Automobiles And Methods Employed Thereof	Subham Rudresh Mishra	IV B. Tech ME	Dr. B. Srinivasa Varma
		Sanjeev Bhardwaj	IV B. Tech ECE	
2	Advanced Wheel Suspension System	Rajvenkat Sai Sadu	III B. Tech ECE-D	Dr. P. Ravi Kumar

PARENT TEACHER MEETINGS CONDUCTED:

S.NO.	Name of The Course	Dates	Strength
1	II B Tech Students of Batch : 2016-17	17-09-2017	49
2	III B.Tch Students of Batch : 2015-16	15-10-2017	93