

Department of Mechanical Engineering

Editor's Message



With an exquisite intention to present in a specified period of time all that occurred, we are coming forth with our Half-Yearly Mechanical Dept. newsletter (Jan. – June 2019) to help our readers to entrain upon the trend of informative, educative and creative impulses. All events that count-B.Tech(Mech. Dept.) are voiced in a ambrosial assortment of multitudinous reverie that aspire to work as a binding vine of unceasing growth and development of the who's who of CMRCET.

I am quite hopeful that the reading would be rewarding to the readers of this newsletter as it would serve as a verdurous landscape of technical, scientific and literary effluence that support teaching and research for the sake of revelation and expansion.

I am thankful to Mr. CH. Gopal Reddy, Secretary & Correspondent, CMRGI for his unstinting support; Major. Dr. V. A. Narayana, Principal, CMRCET for his valuable insights; Dr. P. Ravi Kumar, HoD, Mechanical Department, CMRCET, for his encouragement, the sub-editors for their enthused efforts to help "CMR CAPSULE" come alive.

Editor
A Sai Kumar
Asst. Professor,
Dept. of Mech. Engg.

FDPs Attended by Faculty

S.No.	Name of Faculty	Title of FDP	Dates of FDP	Organisation /Institution Attended
1	Dr.P.Ravi Kumar	Metaheuristic Optimisation Algorithms in Engineering	6th -15th May,2019.	CMR College Of Engineering & Technology, Kandlakoya, Medchal
2	Dr.B.Srinivasa Varma	Two day National seminar on Developments in Computational Fluid mechanics and its Application in Various Industrial Problems	6th - 7th May 2019	CMR Engineering College, Hyderabad
3	Dr.B.Srinivasa Varma	11th Summer school in Tribology	14th-18th May,2019	Tribology Society of India,New Delhi
4	Dr.B.Srinivasa Varma	ICT in Advanced Manufacturing(FDP)	27th May-1st June,2019	ICT Academy,NIT,Warangal

S.No.	Name of Faculty	Title of FDP	Dates of FDP	Organisation /Institution Attended
5	Dr.B.Srinivasa Varma	CEP in Composite Material	21st-28th June,2019	Aerospace Engineering,IIT,Kharagpur
6	Mr.D.Ajay	Train The Teachers For The Mandatory Aicte Students Induction Programme	25th May -1st June,2019	CMR College Of Engineering & Technology, Kandlakoya, Medchal
7	Mr.N.Muneshu Babu	One Day work Shop on Blooms Taxonomy	23rd March 2019	JNTU, Hyderabad.
8	P.Sridhar	Metaheuristic Optimisation Algorithms in Engineering	6th -15th May,2019.	CMR College Of Engineering & Technology, Kandlakoya, Medchal
9	P.Sridhar	Train The Teachers For The Mandatory Aicte Students Induction Programme	25th May -1st June,2019	CMR College Of Engineering & Technology, Kandlakoya, Medchal
10	Santosh Kulkarni	Metaheuristic Optimization Algorithms In Engineering	06th To 15th May 2019	CMR College Of Engineering & Technology, Kandlakoya, Medchal
11	Santosh Kulkarni	Train The Teachers For The Mandatory Aicte Students Induction Programme	25th May -1st June,2019	CMR College Of Engineering & Technology, Kandlakoya, Medchal
12	A.Harish	Metaheuristic Optimization Algorithms In Engineering	6th -15th May,2019.	CMR College Of Engineering & Technology, Kandlakoya, Medchal
13	E. Sammaiah	Experimental Techniques and Data Analysis	22nd - 26th April 2019	Osmania University, Hyderabad
14	E. Sammaiah	One-week FDP on Optimization of process parameters by Linear Regression using MATLAB- Research Focus	13th -18th May 2019	CMR Technical Campus, Kandlakoya, Medchal.
15	E. Sammaiah	Train The Teachers For The Mandatory Aicte Students Induction Programme	25th May - 3rd June 2019	CMR College Of Engineering & Technology, Kandlakoya, Medchal
16	K.P.V.Krishna Varma	Advances in computational Fluid Dynamics: Methods and Applications using MATLAB and Ansys Fluent	6th -11th May 2019	E& ICT Academy,NIT Warangal
17	K.P.V.Krishna Varma	One-week FDP on Optimization of process parameters by Linear Regression using MATLAB- Research Focus	13th -18th May 2019	Department of Mechanical Engineering, CMR Technical campus
18	K.P.V.Krishna Varma	Faculty Development programme on statistics and data analysis for engineers and researchers	27th May -1st June 2019	E& ICT Academy,NIT Warangal
19	B.Naresh Kumar	"Metaheuristic Optimisation Algorithms in Engineering"	6th -15th May,2019.	CMR College Of Engineering & Technology, Kandlakoya, Medchal
20	B.Naresh Kumar	Train The Teachers For The Mandatory Aicte Students Induction Programme	25th May -1st June,2019	CMR College Of Engineering & Technology, Kandlakoya, Medchal

S.No.	Name of Faculty	Title of FDP	Dates of FDP	Organisation /Institution Attended
21	K.Rajesh	"Metaheuristic Optimisation Algorithms in Engineering"	6th -15th May,2019.	CMR College Of Engineering & Technology, Kandlakoya, Medchal
22	K.Rajesh	Train The Teachers For The Mandatory Aicte Students Induction Programme	25th May -1st June,2019	CMR College Of Engineering & Technology, Kandlakoya, Medchal
23	Venkat Rao	"Metaheuristic Optimisation Algorithms in Engineering"	6th -15th May,2019.	CMR College Of Engineering & Technology, Kandlakoya, Medchal
24	Venkat Rao	Train The Teachers For The Mandatory Aicte Students Induction Programme	25th May -1st June,2019	CMR College Of Engineering & Technology, Kandlakoya, Medchal
25	P.Mahesh Babu	Product Design Engineering using Fusion 360	29th April to 3rd May 2019	Vardhaman College of Engineering, Shamshabad Mandal
26	Vinayak .N	Two day National seminar on Developments in Computational Fluid mechanics and its Application in Various Industrial Problems	6th - 7th May 2019	CMR Engineering College, Hyderabad
27	K.Sathish	Train The Teachers For The Mandatory Aicte Students Induction Programme	25th May -1st June,2019	CMR College Of Engineering & Technology, Kandlakoya, Medchal
28	Ch.Yella reddy	Product Design Engineering using Fusion 360	29th April to 3rd May 2019	Vardhaman College of Engineering, Shamshabad Mandal
29	Ch.Yella reddy	Short Term Course on "Materials Science and Applications"	27th May- 1st June 2019	JNTU, Hyderabad.
30	B.Dharmateja	Product Design Engineering using Fusion 360	29th April to 3rd May 2019	Vardhaman College of Engineering, Shamshabad Mandal
31	B.Dharmateja	Short Term Course on "Materials Science and Applications"	27th May- 1st June 2019	JNTU, Hyderabad.
32	Mutyala Kamal	Short Term Course on "Materials Science and Applications"	27th May to 1st June 2019	JNTU, Hyderabad.
33	Mutyala Kamal	Product Design Engineering using Fusion 360	29th April to 3rd May 2019	Vardhaman College of Engineering, Shamshabad Mandal
34	Mutyala Kamal	Robotics and Industrial Automation	5rd June to 14th June 2019	Chennai Institute of Techonology
35	A Joshua	Short term Course on Material Science and Applications	27th May to 1st June 2019	JNTU, Hyderabad.
36	A Joshua	A Three day workshop on MATLAB for Mechanical Engineers	11th-13th July 2019	CVR College of Engineering, Ibrahimpattanam.
37	A Joshua	Product Design Engineering using Fusion 360	29th April to 3rd May 2019	Vardhaman College of Engineering, Shamshabad Mandal
38	A.Sai Kumar	Advanced Deep learning Techniques	13th - 18th May 2019	KL University, Guntur

S.No.	Name of Faculty	Title of FDP	Dates of FDP	Organisation /Institution Attended
39	A.Sai Kumar	Machine Learning & its applications	10th - 15th June 2019	Srinivasa Ramanujan Institute of Technology, Anantapur

PhD Admitted

S.No.	Name of the faculty	University	Month and year of admission
1	Mr.ESammaiah	Osmania University	March 2019

Faculty Publications

Paper Publications in Journals:

- Somvir Singh et al “Modelling and Analysis for the Machinability Evaluation of UDIMET-L605 in wire-cut electric Discharge Machining”, in International Journal of Process Management and Bench Marking, Vol.9, No.1, 2019, pp.47-72.
- Somvir Singh et al “Use of Machine Learning algorithm for the better prediction of SR peculiarities of WEDM of Nimonic L-90 Super Alloy”, Archives of Material science and Engineering, Vol.95, Issue 1, January 2019, pp.12-19.
- V.V.Kondaiah et al, “ Effect of heat treatment on Micro structure, micro hardness and corrosion resistance of ZE 41 Mg alloy”, Koroze a ocharana material, the Journal of association of Corrosion Engineers, Vol. 63, Issue 2, pp.79-85.
- V.V.Kondaiah et al, “ Estimation of leakage Factor for active magnetic Thrust Bearing”, in International Journal of Mechanical engineering and Technology, Vol. 10, Issue 1, January 2019, pp.1880-1896.

Paper Publications in National/International Conferences:

- D.Ajay et al, “A study on the Scenario of Engineering education in India and its influence on learning styles”, in sixth International Conference on transformations in Engineering education (ICTIEE 2019) on 7th and 8th January 2019 organized at Malla Reddy Engineering college, Secunderabad.
- D.Ajay, “Teachning and Learning Methodologies: Emerging Trends in 21st Century Education”, in sixth International Conference on transformations in Engineering education (ICTIEE 2019) on 7th and 8th January 2019 organized at Malla Reddy Engineering college, Secunderabad.
- K.Bharadwaj, “The response of learning Styles to teachning Methodologies: a Case study”, in sixth International Conference on transformations in Engineering education (ICTIEE 2019) on 7th and 8th January 2019 organized at Malla Reddy Engineering college, Secunderabad.
- Dr K Srinivasa Rao, Ravi Kumar Panthangi , V. V. Kondaiah, “Effect of EGR on characteristics of diesel Engine Fueled with Corn Bio Diesel” ,in National Conference on Emerging trends in Mechanical and Chemical Engineering on 24th and 25th January 2019 organized by Department of Mechanical Engineering at Anurag Group of Institutions, Hyderabad.

- KPV Krishna Varma et al , “CFD Analysis of Powder Coating Booth”, in National Conference on Emerging trends in Mechanical and Chemical Engineering on 24th and 25th January 2019 organized by Department of Mechanical Engineering at Anurag Group of Institutions, Hyderabad
- Venkat Rao et al, “Scram Jet Inlet design using teaching learning based Optimization”, in National Conference on Emerging trends in Mechanical and Chemical Engineering on 24th and 25th January 2019 organized by Department of Mechanical Engineering at Anurag Group of Institutions, Hyderabad.
- B.Naresh Kumar et al, “Design of Unmanned Air Vehicle Wing Using TR”, in National Conference on Emerging trends in Mechanical and Chemical Engineering on 24th and 25th January 2019 organized by Department of Mechanical Engineering at Anurag Group of Institutions, Hyderabad.

Training Programmes Conducted to Students

S.No.	Targeted Audience	Topic	Duration	Resource Persons
1	II and III B.Tech Students	Product Design Engineering by using Autodesk Fusion 360	May 6 th to 15 th 2019	Mr. A. Sai Kumar Mr. P.Mahesh Babu Mr. B.Dharma Teja Mr. Ch.Yella Reddy Mr. A.Joshua Mr. M.Kamal

Student Exchange Programme

Our Students undergone training on Industrial Robotics and Automation in Chennai Institute of Technology during June 4th to June 14th 2019 as a Student Exchange Program.



Student Internships

Batch: 2016 - 20

S No	Student Name	Roll No	Name of the Company/Institute	From	To
1	Shiva Kiran	16H51A0343	BARC(Bhabha Atomic Research Centre)	5/21/2019	8/30/2019
2	allam sai kalyan reddy	16H51A0303	Cmrcet	5/7/2019	6/20/2019
3	P. Amrith	16H51A0343	Defence Research & Development Laboratory	5/12/2019	6/8/2019
4	M.Pavani	16H51A0332	Defence Research and Development Laboratory	6/1/2019	6/30/2019
5	P.Harsha Vardhan	16H51A0346	Defence Research and Development Laboratory	6/1/2019	6/30/2019
6	KATARAPU BOYA ROHITH	16H51A0378	DMRL(Defence Metallurgical Research Laboratory)	6/10/2019	7/10/2019
7	Gaddam Naga Pravalika	16H51A0337	Dynostat pvt ltd	5/15/2019	6/30/2019
8	Pippalla Sandesh Kumar	16H51A0313	HMI and Robocoupler Techno solution	5/15/2019	6/30/2019
9	Burjukindi supradeep	16H51A0308	Ipebs	7/8/2019	7/6/2019
10	V.sumanth reddy	16H51A0351	Mechrise	5/20/2019	7/5/2019
11	varma	16H51A0302	mechrise	7/2/2019	7/24/2019
12	SUNKANAPALLY AJAY	17H55A0333	NIT RUORKELA	5/20/2019	7/20/2019
13	G.Navaneetha	16H51A0314	NSIC	5/6/2019	6/17/2019
14	B.Sandhya rani	16H51A0306	NSIC	5/6/2019	6/17/2019

S No	Student Name	Roll No	Name of the Company/Institute	From	To
15	E N Rakesh	17H55A0311	NSIC TECHNICAL SERVICES CENTRE	5/6/2019	6/19/2019
16	SIMHADRI SAI PRAKASH	16H51A0311	Robo Coupler	5/15/2019	6/30/2019
17	k.saikiran	16H51A0384	Robo Coupler	5/15/2019	6/30/2019
18	NAKKA JAYA CHANDRA	16H51A0320	Robo Coupler Techno Solutions	5/15/2019	6/30/2019
19	Naveen Konada	16H51A0387	Robo Coupler Techno Solutions	5/15/2019	6/30/2019
20	G .Sai Dinesh	16H51A0319	Robo Coupler Techno Solutions	5/15/2019	6/30/2019
21	BURGALA VIGNESH	16H51A0308	Robo Coupler Techno Solutions And Hmi Engineering Services	5/20/2019	6/30/2019
22	Kasula.chandana	16H51A0329	Robocoupler	5/15/2019	6/30/2019
23	Thurapati Sai Kumar	16H51A0336	Robocoupler And HMI Engineering Services	5/20/2019	6/30/2019
24	Anagandula Shivaji	16H51A0361	Robocoupler	5/15/2019	6/30/2019
25	Navaneetha	16H51A0370	Robocoupler	5/15/2019	6/30/2019
26	Keshojurashi	16H51A0385	Robocoupler	5/15/2019	6/30/2019
27	Thallapalli Sai Kumar	16H51A0334	Robocoupler Techno Solutions	5/15/2019	6/30/2019
28	Yashwanth Sai.Gattu	16H51A0317	Robocoupler And Hmi Techno Solutions	5/15/2019	6/30/2019
29	Bailuri Manikanta	16H51A0369	Robocoupler Techno Solutions	5/15/2019	6/30/2019
30	Gundla Shivani	16H51A0326	Robocoupler Techno Solutions	5/15/2019	6/30/2019
31	Boda Geetha	16H51A0306	Robocoupler Techno Solutions &HMI ENGINEERING AND SERVICES	5/15/2019	6/30/2019
32	Inti sunandha	16H51A0321	Robocoupler Techno Solutions And HMI Engineering Services	5/15/2019	6/30/2019
33	GANDHAM TAGORE JI	16H51A0375	Robocoupler Techno Solutions And Hmi Engineering Services	5/15/2019	6/30/2019
34	Karri Sri rudra satya sai krishna Prasad	16H51A0324	Skyrider Institutions Pvt Ltd, Jatani, Odisha	6/1/2019	7/15/2019

Batch: 17 - 21

S No	Student Name	Roll Number	Name of the Industry	Start Date	End Date
1	Podila Sai Sri Harshitha	17H51A03A4	Avail RoboTech Solutions	6/1/2019	6/30/2019
2	NELLI ROHITH KUMAR	17H51A03A1	Avail RoboTech Solutions	6/1/2019	6/30/2019
3	M. Supraja	17H51A0398	Avail RoboTech Solutions	6/1/2019	6/30/2019
4	S. Yesasvi	17H51A03A9	Avail RoboTech Solutions	6/1/2019	6/30/2019
5	S. Yesasvi	17H51A03A9	Avail RoboTech Solutions	6/1/2019	6/30/2019
6	M. Supraja	17H51A0398	Avail RoboTech Solutions	6/1/2019	6/30/2019
7	S. Yesasvi	17H51A03A9	Avail RoboTech Solutions	6/1/2019	6/30/2019
8	M. Shashank	17H51A0399	Avail RoboTech Solutions	6/1/2019	6/30/2019
9	R. Akshaya	17H51A03A7	Avail RoboTech Solutions	6/1/2019	6/30/2019

S No	Student Name	Roll Number	Name of the Industry	Start Date	End Date
10	K Subith Ram	17H51A0379	Avail RoboTech Solutions	6/1/2019	6/30/2019
11	Mengani Anil Kumar	17H51A0394	Avail RoboTech Solutions	6/1/2019	6/30/2019
12	M.ARUN KUMAR	17H51A0332	Avail RoboTech Solutions	6/1/2019	6/30/2019
13	Ramagiri Rahul	17H51A0346	CIT	5/7/2019	5/15/2019
14	Ramagiri Rahul	17H51A0346	CIT	6/5/2019	6/14/2019
15	Kusuma Mahesh	17H51A0327	CIT	5/7/2019	5/15/2019
16	P. Amrith	17H51A0343	Defence Research & Development Laboratory	5/12/2019	6/8/2019
17	N JAYACHANDRA	17H51A03A0	Robocoupler	5/15/2019	6/30/2019
18	Katroth sai Kiran	17H51A0384	Robocoupler	5/15/2019	6/30/2019
19	GUNDLA SHIVANI	17H51A0376	Robocoupler	5/15/2019	5/30/2019
20	Keshojurashi	17H51A0385	Robocoupler	5/15/2019	6/30/2019
21	Inti sunandha	17H51A0321	Robocoupler	5/15/2019	6/30/2019
22	Inti sunandha	17H51A0321	Robocoupler	5/15/2019	6/30/2019
23	Bailuri Manikanta	17H51A0369	Robocoupler	5/15/2019	6/30/2019
24	Naveen Konada	17H51A0387	Robocoupler	5/15/2019	6/30/2019
25	GANDHAM TAGORE JI	17H51A0375	Robocoupler	5/15/2019	6/30/2019
26	Anagandula Shivaji	17H51A0361	Robocoupler	5/15/2019	6/30/2019
27	PIPPALA SANDESH KUMAR	17H51A03A3	Robocoupler	5/15/2019	6/30/2019

Faculty Relieved

- Dr. V Kondaiah, Associate Professor, has relieved from Department of Mechanical Engineering.
- Mr. K. Srinivasulu, Assistant Professor, has relieved from Department of Mechanical Engineering.

Faculty Joined

- Mr. S.V.B. Vivekanand has joined as Assistant Professor in Department of Mechanical Engineering 24/06/2019.
- Mr. K Grish has joined as Assistant Professor in Department of Mechanical Engineering on 24/06/2019.
- Mr. Siva Rama Krishna has joined as Assistant Professor in Department of Mechanical Engineering on 24/06/2019.