



JANSONS INSTITUTE OF TECHNOLOGY

Department of Mechanical Engineering

Mech. Letters

(Half yearly newsletter)

Volume : 3 Issue : 1 May / June 2019

Editor

✚ Mr.F.Alexander (AP/Mech)

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✚ Dr.M.Muthukumaran (Prof / Mech)

✚ Mr.S.J.Davis Hans (AP/Mech)

Students Coordinator

✚ Mr. Hari Prasad M
(IV Mech)

✚ Mr. Hari Prasad S
(III Mech)

A Technical Contest on Product Modelling and Making was conducted on 16.02.2019 [Saturday]. The contest was organized for the second and third year students of Mechanical Engineering department, to provide knowledge on experiential learning of the nature and technique of manufacturing processes in the industry pertinent products.



The first round was taken place in the Mechanical CAD Lab. The Second round is the Product making round, in which the teams machined the product from the given drawing using lathe and the teams were evaluated based on final product's Dimensional Accuracy, Surface finishing and also the Machining process employed by the students were assessed.



Special Achievements by Students

Ashok Kumar A	Mech / III	Certificate on completing NPTEL course on Fundamentals of Nuclear power generation with a score of 98%
Akash Deep Rajkhowa	Mech / III	Certificate on completing NPTEL course on Aircraft Maintenance

Publication by students

Student/students Name	Year	Details of publication
Revanth S, Samprasanth E, Sivasankar R, Bijin Singh S	IV	Published a journal titled "Development and Analysis of a Composite Protecting Shield with Hybridizing S-Glass and Carbon Fiber" in IJSRED, Vol 3, pp 953 - 957

Students Participation in Extracurricular Activities

Student Name	Year	Event Name	Organized by	Position/Status
Vignesh.P Phoornesh.T Sathish Kumar.K	IV	Participated in the sports events	Bannari Amman Institute of Technology	Participated
Sabariganesh.R Akash Deep Rajkhowa Sanjiv.V Bharat.S Ashwin.G Prakash.S Juginshalow.L Ajith.M Vishvapriyan.M	III	Participated in the sports events	Bannari Amman Institute of Technology	Participated
Hariharan.G	II	Participated in the sports events	Bannari Amman Institute of Technology	Participated
Nithin.K	IV	Participated in the sports events	KPR IET	Participated
Sanjiv.V Kavinkumar.M	III	Participated in the sports events	KPR IET	Participated
Hariharan.G	II	Participated in the sports events	KPR IET	Participated

Student Name	Year	Event Name	Organized by	Position/Status
Saravana Perumal.M Sathish Kumar.K	IV	Participated in the sports events	Kalaignar karunanidhi Institute of Technology	Participated
Prakash.S Sanjiv.V Jugin Shallow.L	III	Participated in the sports events	Kalaignar karunanidhi Institute of Technology	Participated
Bharat.N Nithin.K Raghul.L Gopinathan	IV	Participated in the sports events	Park College of Engineering and Technology	Participated
Anburaj.K	IV	Participated in the sports events	PSG iTech	Participated
Kavin Kumar.M Prakash.R	III	Participated in the sports events	PSG iTech	Participated
Yogies.S Akeleshwaran.R Anish Selvan.A Nithish Kumar.R Basker.R	II	Participated in the sports events	PSG iTech	Participated
V.Gijendran P.S.Diivisharan	IV	Participated in the sports events	SNR Trophy Football Match	Participation
Prakash.S	III	Participated in the sports events	SNR Trophy Football Match	Participation

Publication by Faculty

Faculty Name	Category	Details of publication
M.M.Matheshwaran	Journal	On the Use of Longitudinal Fins to Enhance the Performance in Rectangular Duct of Solar Air Heaters—A Review, Energy Eng. Jun 2019, 141(3): 030802 (16 pages) Paper No: SOL-18-1359, June 2019.

Faculty Name	Category	Details of publication
F.Alexander	Journal	Development and Analysis of a Composite Protecting Shield with Hydridizing S-Glass and Carbon Fiber, Volume:03 ,Issue-2, April 2020.
M.M.Matheshwaran	Journal	Analytical investigation of exergetic performance on jet impingement solar air heater with multiple arc protrusion obstacles. J Therm Anal Calorim 137, 253–266 (2019).
M.M.Matheshwaran	Journal	Experimental investigation of augmented thermal and performance characteristics of solar air heater ducts due to varied orientations of roughness geometry on the absorber plate, archives of thermodynamics., Vol. 41(2020), No. 3, 147–182, DOI:10.24425/ather.2020.134576
M.M.Matheshwaran	Journal	Characterization of Hybrid-nano/Paraffin Organic Phase Change Material for Thermal Energy Storage Applications in Solar Thermal Systems, Energies 2020, 13(19), 5079; https://doi.org/10.3390/en13195079
M.M.Matheshwaran	Journal	Effects of CeO ₂ / Water Nanofluid on the Efficiency of Flat Plate Solar Collector, Chinese Journal of Mechanical Engineering; Volume 41, Issue 1 (2020 / 02 / 01), P75-83
M.M.Matheshwaran	Journal	Energy, economic and environmental investigation of a flat plate solar collector with CeO ₂ /water nanofluid. J Therm Anal Calorim 139, 3219–3233 (2020). https://doi.org/10.1007/s10973-019-08670-2
M.M.Matheshwaran	Journal	Thermohydraulic performance enhancement of a new hybrid duct solar air heater with inclined rib roughness, Renewable Energy, Volume 147, Part 1, 2020, Pages 2345-2357, ISSN 0960-1481, https://doi.org/10.1016/j.renene.2019.10.007 .

List of Teaching Faculties Attended Training (FDP)

S.No.	Name of Teacher	Title of the FDP /MDP/ Professional Development / Administrative Training Program	Dates (from-to) (DD-MM-YYYY)
1	Dr.M.Muthukumaran	Short Term Course Non linear Dynamical Systems	16-02-2019 to 20-02-2019
2	Mr.Anojkumar L.	High Intense Hands on Training Program on CFD Using Siemens Application Software	09-03-2019 to 15-03-2019
3	Mr.M.Magesh	High Intense Hands on Training Program on CFD Using Siemens Application Software	09-03-2019 to 15-03-2019
4	Mr. Matheswaran M.M.	FDP on Thermal Measurements and Process Control	27-05-2019 to 31-05-2019
5	Mr.M.Krishna Kumar	FEP on Teaching Learning Assesment with MooC & Open Educational Resource	16-03-2019 to 22-03-2019
6	Mr.R.Darshankumar	4 Week Faculty Induction Programme - II	22-04-2019 to 19-05-2019
7	Dr.P.Madhu	FDP on Thermal Measurements and Process Control	27-05-2019 to 31-05-2019
8	Mr.D.Somasundaram	FDP on Thermal Measurements and Process Control	27-05-2019 to 31-05-2019
9	Mr.C.Nithiyesh Kumar	FEP on Teaching Learning Assesment with MooC & Open Educational Resource	16-03-2019 to 22-03-2019
10	Mr.M.Sivaraman	FEP on Teaching Learning Assesment with MooC & Open Educational Resource	16-03-2019 to 22-03-2019

List of Teaching Faculties Provided with Financial Support for the Academic year 2018-2019

S.No.	Name of Teacher	Name of conference/ workshop attended / Professional Body Membership Fee for which financial support provided	Amount of support received (in INR)
1	Dr.M.Muthukumaran	FDP on Heating Ventilation and Air Conditioning (HVAC)	500
2	Mr. Matheswaran M.M.	Workshop on "Research Methodology in Fluid Mechanics"	1000
3	Mr.S.J.Davis Hans	FDP on Strength of Materials II	1000
4	Mr.M.Magesh	Research Perspectives of 3D Printing & Additive Manufacturing in Medical Applications	150
5	Mr.G.Senthilraj	Professional Development Program on Product Life Cycle Management	2000
6	Mr.P.Sathish Kumar	Workshop on "Industry 4.0 and Smart Manufacturing Strategies"	300
7	Mr.R.Darshankumar	Workshop on "Industry 4.0 and Smart Manufacturing Strategies"	300
8	Mr.K.Vijayaraghavan	Workshop on "Industry 4.0 and Smart Manufacturing Strategies"	300
9	Mr.M.Sivaraman	Workshop on "The Art of Writing Winable Project Proposal for Funding"	300
10	Mr.K.Maadesh Kumar	Workshop on "The Art of Writing Winable Project Proposal for Funding"	300
11	Mr.Anojkumar L.	Workshop on "Intellectual property rights and Innovations"	500
12	Mr.C.Nithiyesh Kumar	Workshop on "Intellectual property rights and Innovations"	500
13	Mr.F.Alexander	Workshop on "The Art of Writing Winable Project Proposal for Funding"	300
14	Mr.F.Alexander	Research Perspectives of 3D Printing & Additive Manufacturing in Medical Applications	150
15	Mr.D.Somasundaram	Workshop on "Intellectual property rights and Innovations"	500
16	Mr. Matheswaran M.M.	International Conference on Energy and Environment	2500
17	Mr.Murali.V	Workshop on "Research Methodology in Fluid Mechanics"	2000