

ACADEMIC YEAR 2018-19

VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY,VAZHAKULAM

DEPARTMENT OF MECHANICAL ENGINEERING

Research Papers in Journals and Conferences

1. Friction Stir Welding on Dissimilar Alloys - A Critical Review" International Journal of Mechanical Engineering & Technology Vinoj K & Dr. R Raja pp 1406-1413 ISSN:0976-6359

2. Multi-objective optimization of milling process parameters in glass fibre reinforced polymer via grey relational analysis and desirability function. Materials Today: Proceedings, 11, Yaser, E.M. and Shunmugesh, K., 2019. pp.1015-1023.

3. Optimization of Glass Fiber Reinforced Polymer (GFRP) using Multi Objective Taguchi function and TOPSIS. Materials Today: Proceedings, 11, Shunmugesh, K., 2019. pp.952-960.

4. Multi-performance optimization of micro-drilling using Taguchi technique based on membership function. Indian Journal of Engineering and Materials Sciences (IJEMS) IJEMS Vol.25 [2018] [October 2018] Shunmugesh, K. and Panneerselvam, K., 383 - 390

5. Multi-performance Optimization of Drilling Carbon Fiber Reinforced Polymer Using Taguchi: Membership Function. Transactions of the Indian Institute of Metals. 2018 Jul 1;71(7):Shunmugesh K, Panneerselvam K , 1615-1627.

6. Experimental Investigation on Electro-codeposition Nickel-Weld Slag Composite Coating. Transactions of the Indian Institute of Metals. 2018 Jul 1;71(7): Jenarathanan MP, Jeyaraj S, Shunmugesh K. 1771-1779.

7. Optimization in Turning of 11sMn30 Through Process Capability Index. Materials Today: Proceedings, 11,Joy, B., Shunmugesh, K., Kumar, M.P. and Arun, K., 2019. pp.961-970.

8. Unnikrishnan T G “Effect of Ni and Cr Content on the Hardness of Brass Alloys” International Journal for Scientific Research & Development, 6(05), (2018), 599-601

9. Unnikrishnan T. G, Akhil K. T, Rakesh Jose, and Pramod Kumar M “High Entropy Alloys – A Review” International Journal for Scientific Research & Development, 6(05), (2018), 591-594

10. Mr. Nibin B, Dr. Easwaran N, Mr. Rijo J. “Thermodynamic Analysis of an Integrated Gas turbine Power Plant Utilising cold Exergy of LNG" Journal of Mechanical Engineering and Sciences, Volume 12, Issue 3, September 2018.

11. Mr. Jerry Varghese, Mr. Ramu Murugan “Influence of orientation of extrusion direction and strain rate on the mechanical behaviour of extruded thermoplastic sheets” Materials Today Proceedings : ISSN NO: 2214-7853

12. Analysis of flue gas from plastic waste International Journal of innovative research in science engineering and technology, Ajo Issac John ,Lovin Varghese , Eldhose Paul, Vol 7 Issue 6, ISSN No 2319-8753.

International Symposium

- Department of Mechanical engineering and Senior Experten Service (SES) ,Germany jointly organized “1st International Symposium on Innovative Engineering Paradims” from 3rd – 21st December 2018, Resource Person: Mr. Ralph Schneider.

National conference

- Second National conference titled “National Conference on Emerging Vistas of Engineering and Management” is conducted on March 29 and 30, 2019 by Department of Mechanical Engineering



Faculty Development Programme

- Department of Mechanical Engineering in association with Centre for Research and Development, VICET conducted a 5 days KTU funded FDP on “Tools, Techniques & Models for Scientific Research” from 22nd – 26th July, 2019.



International Seminar

- Department of Mechanical Engineering in association with Centre for Research and Development, VJCET conducted a two days “International Seminar on Materials: Engineering for Sustainability” from 29nd – 30th July, 2019. Prof. Dr. RajanAmbat from Division of Materials and Surface Engineering , Technical University of Denmark inaugurated the seminar.



Expert Talks

- An expert Talk on "Environmental Problems of Today and How to Tackle?" for S1 ME students, 23-10-18, Resource person: Dr. Shaju Thomas, Retired Professor and former HoD of the Postgraduate Dept. of Zoology Nirmala College.
- An expert talks on “Cyber Security” for all mechanical engineering students on 7-11-18. Resource person: Mr. Thalath PM, Cyber cell officer Aluva.
- An alumni talk on “Marine Engineering” for S5 & S7 students on 12th November 2018. Resource person was Mr. Mathaikutty Sunny, 3rd Engineer, Anglo Eastern Ship Management Ltd.

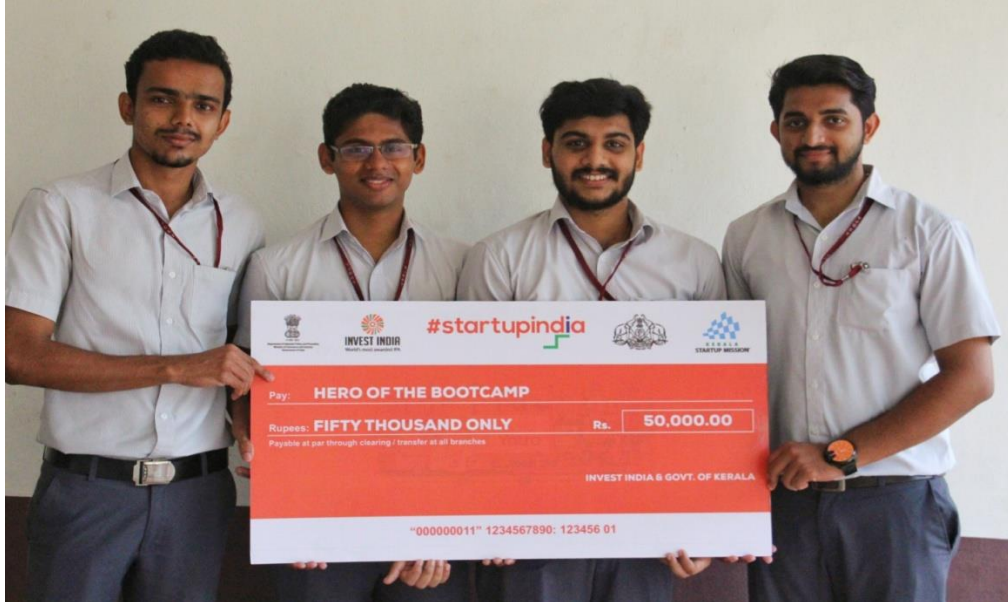
- Lecture Meet on ‘Automotive Electronics 2020’, Date: 22-11-2018, Resource Person: Mr. KasirajaThangapandian Software Project Manager, Visteon Technical and Services CentrePvt Ltd, Chennai and Joint Secretary of SAEINDIA Southern Section.
- An expert talk on “Recent Advances in IC Engines and its Testing”, Date: 01-02-19, Resource Person: Mr. JineshVinayaChandran, HOD, Department of Automotive Engineering, Little Flower Engineering Institute, Kalamassery.
- An expert talk on “Modern trends in Coal – fired Thermal power plants, Date: 13-02-19, Resource Person: Mr. SushilCherian, Co- Founder and Vice President, Kalki Communication Technologies Pvt Ltd, Kochi.

Project funding

- Project entitled “Self propelling Wearable device for Divers” by Mr. Vishnu K S, Mr. Anuroop P A, Mr. Linto P Anto of S7 ME got funding of 1,75,000 for the development of prototype by Idea Fest 2018 conducted by Kerala Start Up Mission. Project Guide: Mr.AjoIssacJohn , Assistant professor, MED.
- The project “KISSAN_DHO (Pineapple Planter Machine) by Mr. SanilCyriac Mathew, Mr. SachuSivaram S, Mr. Jemt K Shaju and Mr. Paoulose Benny Students of S8 ME B selected for a financial support of Rs. 20000/- by KSCSTE TECH FEST INNOVATE 2019. Project Guide: MrBasil Baby, Assistant professor, MED.
- The project “Fully Automated Weed Control” by Mr. Aldrin Baby, Mr. Ameer E A, Mr. Kevin G A and Mr. Sagar Vincent, Students of S6 ME A selected for a financial support of Rs. 20000/- by KSCSTE TECH FEST INNOVATE 2019. Project Guide: Mr. Unnikrishnan T.G., Assistant professor, MED.
- The project “V -REX Fork lifter” by Mr. Albin Paul, Mr. EldhoseRaju, Mr.Harikrishnan A S and Mr.Jipil P Chettoor, Students of S6 ME B selected for a financial support of Rs. 20000/- by KSCSTE TECH FEST INNOVATE 2019. Project Guide: Mr. EldhoseKurian, Assistant professor, MED.

Students achievements

- Mr. SanilCyriac Mathew, Mr. SachuSivaram S, Mr. Jemt K Shaju and Mr. Paoulose Benny Students of S7 ME B got the HERO OF THE BOOT CAMP Award at KERALA STARTUP MISSION BOOT CAMP held at Thiruvananthapuram Received a cash prize of Rs 50000/- Project Guide: MrBasil Baby , Assistant professor, MED.



- Project entitled : "Prevent reverse flow of blood in the drip of patients" by Mr. Mathew Jemmachan, Mr. Akhil DAVIS, Mr. Ajay Shaju, Mr. Thomaskutty Thomas of S7 ME was selected as one of the best Idea of the event "Yuva Mastermind Season 9" conducted by Malayala Manorama & Startup Valley AmalJyothi TBI & Markethub IEDC . Project Guide: Mr.Frenosk K Francis & Mr.ArunKR , Assistant professors, MED.