



NEWS LETTER

JAN-JUNE 2019



Vel Tech

Ranganarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

SCHOOL OF MECHANICAL AND CONSTRUCTION DEPARTMENT OF MECHANICAL ENGINEERING

About The Department

THE MECHANICAL ENGINEERING DEPARTMENT AT VEL TECH IS THRIVING IN EVERY WAY CONCEIVABLE. ONE OF THE REASONS FOR THE DEPARTMENT'S CONTINUED SUCCESS IS THAT IT HAS NEVER STAYED ON ITS LAURELS, BUT INSTEAD, IT WORKS TIRELESSLY TO PRESERVE ITS LEADERSHIP ALONG WITH NEW TRENDS AND TECHNOLOGY



EDITORIAL

CHIEF PATRON :

Col. Prof. Vel. Dr. R. Ranganarajan,
CHANCELLOR & FOUNDER PRESIDENT

PATRON :

Dr. VSSKumar, Vice Chancellor

EDITOR :

Dr. N. Lenin,
Dr. P. Anand,
Mr. D. Surrya Prakash.

EDITORIAL
COMMITTEE :

Dr. Arun Prasad. M, Asst., Prof.,
T SEETHARAMAIAH 2ND YEAR, MECH,
P AVINASH 2ND YEAR, MECH.

CONTENTS

- Ph.D. Admitted scholars
- STUDENT PLACEMENTS
- STUDENTS' INTERNSHIP IN ABROAD
- EVENTS ORGANIZED / ATTENDED
- FACULTY AND STUDENT PUBLICATIONS

Ph.D. admitted scholars

Scholar admitted on 12-07-2019 for Ph.D Programme

RESEARCH SCHOLAR	SUPERVISOR	Date
A Vasudevan	Dr D Rajamani	12/7/2019
Prashant Bharat Maitreya	Dr B Srimanickam	23/9/2019
Karthick	Dr E Pavithra	10/1/2020
Ganeshgir Dashrathgir Gosavi	Dr P Sivamurugan	10/1/2020
Velu S	Dr M Sivakumar	10/1/2020

STUDENT PLACEMENTS

During the academic year 2019-20, out of 185 eligible students 98 students placed with a placement percentage of In that total number of students placed in core companies are 40. The highest salary package for the academic year 2019-20 is 6 Lakhs per annum.Total Number of students placed above 3 Lakhs per annum salary package is 46 students.

NAME OF THE STUDENT	COMPANY	SALARY PACKAGE
KAMMILA HARSHAVARDHAN	ACCENTURE	4.5 LPA
DANDU SHAIK SALEEM AHAMMED	ADECCO	1.82 LPA
BANDARAM HEMANTHKUMAR	ASHOAK LEYLAND	2.2 LPA
SIKHARAM VENKATA RAM CHARAN	APSPF	2.5 LPA
NUNELA SAI GANESH	FLEX	3.1 LPA
RAGAVENTHIRAN.R	HANON AUTOMOTIVE SYSTEMS	2.2 LPA
MAHESH RAVILLA	HCL TECHNOLOGIES LTD	3 LPA
RAJESH KUMAR.D	MNC	2.5 LPA
S. ABISH FRANKLIN	RENAULT NISSAN	2.5 LPA
GAJRAJ KUMAR R	SUTHERLAND GLOBAL SERVICES INC	2.5 LPA
MAGANI CHANDU	HINDUSTHAN NATIONAL GLASS AND INDUSTRIES	2 LPA
CHANDAN KUMAR	INDUSTRUS BUILDTECH	1.5 LPA
GUTTA HARIKRISHNA	QUICK RIDES	3 LPA

STUDENTS' INTERNSHIP IN ABROAD

Three students doing their major project work under Student Exchange Programme at National Taipei University of Technology (Taipei Tech), Taiwan with partial funding support from Vel Tech.

Mr. Hema Theja Reddy Puthalapattuk is working on the project titled "Exoskeleton (Walking assistant)" under the guidance of Professor Jung-Tang Huang.



Mr. Ganesh Shankar Putta and Mr. Chakradhar Kalle are working on the project titled "Development of the self-driving system of Mobile Robots based on deep learning of depth images" under the guidance of Professor Chih-Hung Gilbert Li.



Two students are currently doing their minor and major project work under Student Exchange Programme at Southern Taiwan University of Science and Technology, Taiwan with partial funding support from Vel Tech.

Mr. Damodar Reddy Sirammagari and Mr. Anand Ratna Kumar Gantyada are working on the Project Titled "Analysis of Mechanical properties and surface treatment of Aluminium alloy 6066" under the guidance of Dr. Prof. Chung Chun Wu.

Two students are currently doing their minor & major project work under Student Exchange Programme at National Chung Hsing University (NCHU), Taiwan with partial funding support from NCHU and Vel Tech.





Mr. Sai Kumar Reddy Bodaddala (Mech) is working on the project titled "Enzyme Immobilization glucose oxidase biofuel cells" under the guidance of Professor Hsiharng Yang,

1. Mr. U.Manoj (Vtu7600) attended Workshop on "Plastic waste recycling challenges and opportunities on 19th September 2019 organized by Vel Tech Institutions Innovation Cell.
2. Mr. Niluroutu Ramkumar (Vtu8027) has participated in a one day workshop on "MAINTENANCE ENGINEERING" held on 2nd August 2018 at Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai.
- 3 . Mr. Sikharam Venkata Ramcharan (Vtu7692) has participated in a one day workshop on "MAINTENANCE ENGINEERING" held on 2nd August 2018 at Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai.
4. Mr. Vellampalli Venkata Sai Chandra Sekhar (Vtu7727) has participated at a One Day Workshop On "Advances in Solar Thermal Technology" held on 26th August, 2019 at VelTech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai.
5. Mr. Praveen Kumar Rana (Vtu10307) has completed "Moralities of Everyday Life" an online non-credit course authorized by Yale University and offered through Coursera platform.
6. Mr. D. Praneeth Kumar (Vtu8303) has attended the workshop on "Entrepreneurship opportunities in E-Waste Recycling held on 2 August, 2019 organized by Vel Tech Technology Incubator (Vel Tech TBI) approved by the Department of Science and Technology (DST), Government of India at Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai.
8. Mr. Ankit Kashyap (Vtu10482) has completed "Moralities of Everyday Life" an online non-credit course authorized by Yale University and offered through Coursera platform.

EVENTS ORGANIZED / ATTENDED

SAFETY FOR ENGINEERS IN INDUSTRY

This event was conducted by mechanical department, on 23rd February 2019. No. of Industry Representatives participated are (2)Mr. Jayandran Mohan,Green World Group Safety Training and Consultancy LLC, Dubai and Dr.M.Elangovan, Professor – Mechanical Engineering,Vel Tech, Chennai. total No. of participants are 92 members.



“Design & Fabrication of Energy Extraction System From Solar Energy” at Innovative Project Presentation event "KARYAYOJANA-2K19" in the field of Mechanical engineering related to social problems and issues related in their field, held on 22 October 2019 at Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai.

“Design & Fabrication of Micro Unmanned Ground Vehicle” at Innovative Project Presentation event "KARYAYOJANA-2K19" in the field of Mechanical engineering related to social problems and issues related in their field, held on 22 October 2019 at Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai.



FACULTY AND STUDENT PUBLICATIONS

1. MALLELA, GANDHI, PALLAVI PATURU, P. KISHORE KUMAR, M. KOMALESWARARAO, SHUBHAM SHARMA, AND G. HARSHA VARDHAN. "THERMAL EFFICIENCY AND HEAT BALANCE OF REHEATING FURNACE OF ROLLING MILLS." INTERNATIONAL JOURNAL OF AMBIENT ENERGY 42, NO. 7 (2019): 758-763.
2. BANSOD, ANKUR V., SOURABH SHUKLA, AND AWANIKUMAR P. PATIL. "MICROSTRUCTURAL, MECHANICAL AND INTERGRANULAR CORROSION BEHAVIOR OF COLD WORK AND THERMAL AGEING OF LOW NICKEL AUSTENITIC STAINLESS STEEL." MATERIALS RESEARCH EXPRESS 6, NO. 5 (2019): 056508.
3. BANSOD, ANKUR V., AWANIKUMAR P. PATIL, JAGESVAR VERMA, AND SOURABH SHUKLA. "MICROSTRUCTURE, MECHANICAL AND ELECTROCHEMICAL EVALUATION OF DISSIMILAR LOW NI SS AND 304 SS USING DIFFERENT FILLER MATERIALS." MATERIALS RESEARCH 22 (2019).
4. ARAVIND, RAJBR, AND P. JEYARAMAN. "DESIGN AND ANALYSIS FOR MILLING OF TI-6AL-4V USING OPTIMAL END MILL."
5. SRINIVASAN, K. V., A. MANIMARAN, M. ARULPRAKASAJOTHI, M. REVANTH, AND VIJAY A. AROLKAR. "DESIGN AND DEVELOPMENT OF POROUS REGENERATOR FOR STIRLING CRYOCOOLER USING ADDITIVE MANUFACTURING." THERMAL SCIENCE AND ENGINEERING PROGRESS 11 (2019): 195-203.
6. DEVARAJAN, YUVARAJAN, DINESH BABU MUNUSWAMY, AND ARULPRAKASHAJOTHI MAHALINGAM. "INVESTIGATION ON BEHAVIOR OF DIESEL ENGINE PERFORMANCE, EMISSION, AND COMBUSTION CHARACTERISTICS USING NANO-ADDITIVE IN NEAT BIODIESEL." HEAT AND MASS TRANSFER 55, NO. 6 (2019): 1641-1650.
7. KOMPALA, SARAVANA, BALASUBRAMANIAN ESAKKI, LUNG-JIEH YANG, WEI-CHEN WANG, RESHMI WAIKHOM, AND CHIH-YU JEN. "FABRICATION OF FLAPPING WING MECHANISM USING FUSED DEPOSITION