

**EMERGING TRENDS IN DESIGN, MANUFACTURING, MATERIALS AND THERMAL SCIENCES**  
**SESSION III - DESIGN**  
**(25/09/20)**  
**10.00 to 12.00**



SLOT A							
	Session Chairs			Session Organizer			
External	Dr. Velamurali			Mr. Surya Rajan B			
	Professor			Assistant Professor			
	Department of Mechanical Engineering			Department of Mechanical Engineering			
	Anna University, Chennai			BSACIST, Chennai			
Internal	Dr. V. Muralidharan			9994332570			
	Associate Professor			suryarajan@crescent.education			
	Department of Mechanical Engineering						
	BSACIST, Chennai						

SI No	Author Name	Title	Topic	Email	Mobile No	Institution	SLOT - A
1	Sreenath Sreekumar	Design of Home Study Furniture for Students of 14-18 Years	Product and Process Design	gurmeet4design@gmail.com, manu.t@ksid.ac.in	9729769789	Kerala State Institute of Design	10:00 to 10 :15
2	Chitta Ranajan Tripathy ,Arvind Katyayn	Product Development Process Concept - Industrial Perspective	Product and Process Design	crtripathy@gnauniversity.edu.in, arvind@gnauniversity.edu.in	9876426000	GNA University, GNA University	10:20 to 10:35
3	Sreenath Sreekumar	DYNAMIC SUPPORTING WHEELS FOR TWO-WHEELER STABILITY	Design for Manufacturing and Assembly	sreekumarsreenath83@gmail.com	8072586114	BSACIST	10:40 to 10 :55
4	Murali Manohar D	Hardness &C Elastic Modulus Relationship for Nitrile Rubber and Nitrile Rubber &C Polyvinyl Chloride Blends	Any other	murali@crescent.education	9884548876	BSACIST	11:00 to 11:15
5	Nanthakumar AJD ,Parth Patel	Parametric and Non parametric modelling of a magnetorheological damper	Any other	ajd.srmctr@gmail.com,pp2848@srmist.edu.in	7810032033	SRMIST, Chennai	11:20 to 11:35
6	SYED HAMEED	Fault Detection in Single Stage Helical Planetary Gearbox using Support Vector Machine (SVM) and Artificial Neural Network (ANN) with Statistical Features	Artificial Intelligence in Automotive & Aerospace Engineering	syedshaulhameed@crescent.education	7904309238	BSACIST	11:40 to11:55

SLOT B							
	Session Chairs			Session Organizer			
External	Dr. S. Jeyanthi			Mr. K. Sathick Basha			
	Associate professor			Assistant Professor			
	School of Mechanical & Building Sciences			Department of Mechanical Engineering			
	VIT, Chennai			BSACIST, Chennai			
Internal	Dr. P.D. Jeyakumar			9710904060			
	Associate Professor			sathick.basha@crescent.education			
	Department of Mechanical Engineering						
	BSACIST, Chennai						

SI No	Author Name	Title	Topic	Email	Mobile No	Institution	SLOT - B
7	Ramalingam Sengalani	SIMULATION AND LQR CONTROLLER DESIGN FOR CONVENTIONAL AND COMPOSITE MATERIAL ONE LINK ROBOT MANIPULATOR WITH FLEXIBILITY	Robotics	sengalaniramalingam@gmail.com	9840500285	BSACIST	10 to 10 :15
8	Jeyakumar Ponniah Daniel	Development of on board engine management system - Prediction of oil degradation	Any other	pdjeyakumar@gmail.com	9444183049	BSACIST	10:20 to 10:35
9	Anand Sekar ,Davidson Jebaseelan	Analysis of Study of Tin Inserted Aluminium Friction Stir Weld	Any other	s.anand2016@vitstudent.ac.in, davish2k4@gmail.com	9841054414	VIT chennai	10:40 to 10 :55
10	G.Shanmuga Sundar	DESIGN AND DEVELOPMENT OF ANDROID BASED PATH CONTROLLED AUTOMATED LOAD CARRYING ELECTRIC VEHICLE FOR INDUSTRY 4.0	Autonomous Vehicles	shanmugasundar_mech@sairamit.edu.in,	9941380398	Sri Sai Ram Institute of Technology,	11 to 11:15
11	Dineshkumar C	Safety Enhanced Automatic Hand Brake System for Passenger vehicles	Autonomous Vehicles	contactdinesh90@gmail.com	9750676792	BSACIST, Kumaraguru College of Technology	11:20 to 11:35
12	Senthil Kumar M	Investigation on Dimple Inspired Mitigation of Aerodynamic Drag of Intercity Bus	Any other	senthilkumar.m.aeu@kct.ac.in	9952096808		11:40 to11:55

**NOTE**

Video Conferencing link for events highlighted in"Blue" coloured cells  
[https://us02web.zoom.us/webinar/register/WN\\_XzNOSLI\\_Tna5EMLzAJSbkg](https://us02web.zoom.us/webinar/register/WN_XzNOSLI_Tna5EMLzAJSbkg)

Video Conferencing link for events highlighted in"Green" coloured cells  
<https://us02web.zoom.us/j/kgczxHjR1>