

Department of Mech. Engg.
Outward No. 1220
Date 22/06/2023

DEPARTMENT OF MECHANICAL ENGINEERING
S. V. NATIONAL INSTITUTE OF TECHNOLOGY, SURAT
M. TECH. (All branches)

Date: 22/06/2023

ADDENDUM NOTICE

All M. Tech-II students (all branches) are hereby informed to refer the revised of M
Tech. dissertation viva voce (Phase: II) scheduled on June 27-28, 2023.

Shardul
22/6/23
Head, DoME



DEPARTMENT OF MECHANICAL ENGINEERING
SARDAR VALLABHBHAINATIONAL INSTITUTE OF TECHNOLOGY, SURAT

NOTICE: DISSERTATION EXAMINATION
M.TECH. (Thermal System Design)

Venue:MF-15,

Date of Examination: 27/06/2023

Sr. No.	Name of the Student	Topic	Examiner 1	Examiner 2	Examiner 3	Time
1	Vinay Harishchandra Kulkarni P21TD005	Design,Development and Analysis of Test Rig For Radiator	Dr. P. V. Bhale	Dr. M K Rathod	Dr. Prabhansu	9:00 to 9:30 AM
2	Yagnikkumar Rathod P21TD012	Design And Analysis of Rotor of Permanent Magnet Synchronous Motor (Pmsm) In Electric Vehicle	Dr. P. V. Bhale	Dr. M K Rathod	Dr. Amit Kumar	9:30 to 10:00 AM
3	RohitkumarBhajgotar P21TD021	Design Of Heat Exchanger for Waste Heat Recovery In Textile Industry	Dr. P. V. Bhale	Dr. M K Rathod	Dr. Bade Mukund	10:00 to 10:30 AM
4	Amith S J P21TD013	Thermal performance enhancement and emission reduction of jaggery processing furnace: A numerical approach	Dr. R D Shah	Dr. M K Rathod	Dr. P V Bhale	10:30 to 11:00 AM
5	Bandla Sai Balaji P21TD014	Experimental Investigation of the Solar desiccant dryer for Potato and Banana drying	Dr. P. V. Bhale	Dr. A V Doshi	Dr. M K Rathod	11:00 to 11:30AM
6	Bethi Akhil Sai P21TD008	Numerical Investigations of Thermal Performance of Multi-Layered Thermal Protection System: Application to Space Satellite	Dr. J Banerjee	Dr. M K Rathod	Dr. Vipul M. Patel	3:00 to 3:30 PM
7	Venkatesh Raja G P21TD011	Battery Thermal Management System using Pulsating Heat Pipe	Dr. J. Banerjee	Dr. M K Rathod	DR. H B Mehta	3:30 to 4:00 PM
8	Divyang Chauhan P21TD006	Numerical analysis of phase change-based electronics cooling system	Dr. H B Mehta	Dr. M K Rathod	Dr. J Banerjee	4:00 to 4:30 PM

Venue:MF-15,

Date of Examination:28/06/2023

Sr. No.	Name of the Student	Topic	Examiner 1	Examiner 2	Examiner 3	Time
9	RushiNarendrabhaiAmbhetiya P21TD015	Numerical analysis of porous media and experimental investigation in VCR system	Dr. R D Shah	Dr. M K Rathod	Dr. Vimal K. Patel	3:30 to 4:00 PM
10	Subrata Mondal P21TD020	Battery thermal management system using immersion cooling	DR. H B Mehta	Dr. M K Rathod	DR. Amit Kumar	4:00 to 4:30 PM
11	KalariyaDeepkumarJentilal P21TD018	Heat transfer and stability analysis of Nanofluids	DR. H B Mehta	Dr. M K Rathod	Dr. Rajesh Choudhary	4:30 to 5:00 PM

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SARDAR VALLABHBHAINATIONAL INSTITUTE OF TECHNOLOGY, SURAT

NOTICE: DISSERTATION EXAMINATION
M.TECH. (Turbo Machine)

Venue: TV Room II,

Date of Examination: 27/06/2023

Sr. No.	Name of the Student	Topic	Examiner 1	Examiner 2	Examiner 3	Time
1	Mohnish Soral P21TM006	Investigation of simple modifications in pump as turbine by experimental means	Dr. J Banerjee	Dr. V P Rathod	Dr. A V Doshi	9:00 to 9:30 AM
2	Anmol rajujamakhandikar P21TM012	Pump as turbine performance prediction model using Machine learning Algorithm	Dr. J Banerjee	Dr. V P Rathod	Dr. A V Doshi	9:30 to 10:00 AM
3	BhukyaAnvesh P21TM013	Effect Of Disk Friction On Centrifugal Pump's Performance	Dr. J Banerjee	Dr. V P Rathod	Dr. A V Doshi	10:00 to 10:30 AM
4	Kripa Shankar Chaudhari P21TM014	Development of Test rig and performance chart to select and evaluate the performance of 3.5 KW Pelton turbine for micro hydro applications	Dr. J Banerjee	Dr. V P Rathod	Dr. A V Doshi	10:30 to 11:00 AM
5	RajvaibhavShivajirao Patil P21TM002	Development of a three dimensional piecewise linear interface calculating volume of fluid solver for boiling phenomena	DR. H B Mehta	Dr. V P Rathod	Dr. J Banerjee	11:00 to 11:30 AM
6	Md kaleem pasha P21TM003	Identification of two phase flow pattern using convolution neural network (CNN)	DR. H B Mehta	Dr. V P Rathod	Dr. J Banerjee	11:30 to 12:00 PM
7	Kommineni Vijay P21TM010	Algebraic Volume of Fluid Formulations for capturing sharp Interfaces: A Comparative Assessment	DR. H B Mehta	Dr. V P Rathod	Dr. J Banerjee	12:00 to 12:30 PM
8	Abdul Kadir P21TM007	Numerical and experimental analysis of vertical axis wind turbine	Dr. A. V. Doshi	Dr. V P Rathod	Dr. Vimal Patel	3:00 to 3:30 PM
9	Sanjeev Sachan P21TM008	Numerical and Experimental Investigations on Darrieus hydrokinetic turbines	Dr. A. V. Doshi	Dr. V P Rathod	Dr. Vimal Patel	3:30 to 4:00 PM
10	Venna Seshi Reddy P21TM011	Design and Experimental analysis of Centrifugal blower impeller for high mass flow rates	Dr. A. V. Doshi	Dr. V P Rathod	Dr. Nikhil Baraiya	4:00 to 4:30 PM

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SARDAR VALLABHBHAINATIONAL INSTITUTE OF TECHNOLOGY, SURAT

NOTICE: DISSERTATION EXAMINATION
M.TECH. (Mechanical)

Venue:MG-01,

Date of Examination:27/06/2023

Sr. No.	Name of the Student	Topic	Examiner 1	Examiner 2	Examiner 3	Time
1	Sanket Subhash Yadav P21ME019	Automating analysis of misfire calibration using data science	Dr. Ravi kant	Dr. Vimal Patel	Dr. T N Desai	9:00 to 9:30 AM
2	Prasit Jain P21ME003	Design and development of precise linear motion track and ring welding system	Dr. Ravi kant	Dr. Vimal Patel	Dr. Pallavita Yadav	9:30 to 10:00 AM
3	Jigar S. Zala P21ME011	Improving Heat transfer characteristics through Influencing parameters and surface modifications in spray nozzle system	Dr. R. V. Rao	Dr. Vimal Patel	Dr. Achchelal	10:00 to 10:30 AM
4	Khumri Hatim Mustafabhai P21ME009	Influence of process parameters on microstructure and mechanical properties of wire arc additive manufactured 316L stainless steel	Dr. SumitKhare	Dr. Vimal Patel	Dr. K KMugada	10:30 to 11:00 AM
5	Subhash Singh P21ME008	Fracture Analysis of FGM plate under different Mechanical and Thermo-mechanical loadings using XFEM	Dr. B M Sutaria	Dr. Vimal Patel	Dr. Achchelal	11:00 to 11:30 AM
6	Kuber Singh P21ME007	Comparative analysis of Colmonoy 6 clad surface on SS 304 substrate material by PTAW process with and without stack pattern	Dr. J V Menghani	Dr. Vimal Patel	Dr. V. D Kalyankar	11:30 to 12:00 PM
7	Shashank Agarwal P21ME001	Mathematical Modeling of Single-Stage Adiabatic Demagnetisation Refrigerator	Dr. A D Parekh	Dr. Vimal Patel	Dr. Prabhansu	4:00 to 4:30 PM
8	Vaghela Chirag Pareshkumar P21ME010	Noise reduction in Heat pump using a muffler	Dr. R D Shah	Dr. Vimal Patel	Dr. Prabhansu	4:30 to 5:00 PM



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SARDAR VALLABHBHAINATIONAL INSTITUTE OF TECHNOLOGY, SURAT

NOTICE: DISSERTATION EXAMINATION
M.TECH. (Mechanical)

Venue: MG-01,

Date of Examination: 28/06/2023

Sr. No.	Name of the Student	Topic	Examiner 1	Examiner 2	Examiner 3	Time
9	Dipak Laxman Rashinkar P21ME017	Design and development of crankshaft for KRM 1750 Reciprocating Compressor	Dr. B M Sutaria	Dr. Vimal Patel	Dr. Achchelal	9:30 to 10:00 AM
10	Siddharth Pravin Patil P21ME006	Postbuckle Behaviour and Failure Analysis of a Stiffened Composite Panel	Dr. J V Menghani	Dr. Vimal Patel	Dr. Achchelal	10:00 to 10:30 AM
11	Alok Araya P21ME022	Optimization of selected welding process using Rao algorithm.	Dr. J V Menghani	Dr. Vimal Patel	Dr. R. V. Rao	10:30 to 11:00 AM
12	Rishabh Kumar P21ME020	Experimental Investigation of Wire ECDM Process for Profile cutting of Glass material	Dr. J V Menghani	Dr. Vimal Patel	Dr. Pallavita Yadav	11:00 to 11:30 AM
13	Durga Nand Jha P21ME014	Loop Heat Pipe Based Battery Thermal Management System	Dr. A D Parekh	Dr. Vimal Patel	DR. H B Mehta	11:30 to 12:00 PM
14	Prakash Kumar P21ME016	Creep deformation behavior of weld joints of P91 grade steel under various loading conditions	Dr. S N Pandya	Dr. Vimal Patel	Dr. V D kalyankar	3:00 to 3:30 PM
15	Saurabh Prakash Kalamb P21ME015	Design of compon design of components of portable electric screw compressor ents of potrttable electric screw compressor	Dr. Nikhil Baraiya	Dr. Vimal Patel	Dr. V. D. Kalyankar	9:00 to 9:30 AM

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SARDAR VALLABHBHAINATIONAL INSTITUTE OF TECHNOLOGY, SURAT

NOTICE: DISSERTATION EXAMINATION
M.TECH. (Manufacturing)

Venue: MG-13,

Date of Examination: 27/06/2023

Sr. No.	Name of the Student	Topic	Examiner 1	Examiner 2	Examiner 3	Time
1	Kunal Karak P21MF006	Friction Stir additive manufacturing on AISI SS304 Steel.	Dr. S. N. Pandya	Dr. V. D. Kalyankar	Dr. R. P. Mahto	9:00 to 9:30 AM
2	Subhram Ghosh P21MF009	Analysis of friction stir spot welding between AA6061 and AISI 304 Alloys	Dr. S. N. Pandya	Dr. V. D. Kalyankar	Dr. R. P. Mahto	9:30 to 10:00 AM
3	Shreyanshkumar Shah P21MF004	Optimization of scheduling for resource constrained multi unit project	Dr. T. N. Desai	Dr. V. D. Kalyankar	Dr. Ravi Kant	10:00 to 10:30 AM
4	Ankit Soni P21MF005	Optimal Location Decision for Re-Cycling Centers of End-of-Life Electric Vehicle Batteries	Dr. T. N. Desai	Dr. V. D. Kalyankar	Dr. Ravi Kant	10:30 to 11:00 AM
5	SwaritVatsal Shukla P21MF007	Optimization of shop layout using Heuristic Algorithms	Dr. T. N. Desai	Dr. V. D. Kalyankar	Dr. Ravi Kant	11:00 to 11:30AM

Venue: MG-13,

Date of Examination: 28/06/2023

Sr. No.	Name of the Student	Topic	Examiner 1	Examiner 2	Examiner 3	Time
6	Akash HasmukhbhaiSavaliya P21MF010	Defect Identification in Resistance Spot Welding using Image Processing	Dr. Shailendra Kumar	Dr. V. D. Kalyankar	Dr. R. P. Mahto	9:00 to 9:30 AM
7	Arjun Bhammar P21MF001	Effect of design mutations on compressive properties of 3D printed anti-tetrachiral auxetic structure	Dr. Shailendra Kumar	Dr. V. D. Kalyankar	Dr. H. K. Dave	9:30 to 10:00 AM
8	Raghvendra Raghuvanshi P21MF008	Investigation on 3D printed clay ceramic materials	Dr. Shailendra Kumar	Dr. V. D. Kalyankar	Dr. H. K. Dave	10:00 to 10:30 AM
9	Patel Dhaval Manharbhai P21MF011	Parametric study on Mechanical properties of metal polymer composite parts	Dr. Shailendra Kumar	Dr. V. D. Kalyankar	Dr. H. K. Dave	10:30 to 11:00 AM
10	Jenish R Surati P21MF014	Mechanical Properties of Kevlar based CFRP Composite Printed By FDM process	Dr. Shailendra Kumar	Dr. V. D. Kalyankar	Dr. H. K. Dave	11:00 to 11:30AM
11	Jay Bhuva P21MF013	Implementation of Green Field Project by Optimization, Upgradation and Relocation of Manufacturing Facilities	Dr. Shailendra Kumar	Dr. V. D. Kalyankar	Dr. T. N. Desai	11:30 to 12:00 PM

J. J. J.



DEPARTMENT OF MECHANICAL ENGINEERING
SARDAR VALLABHBHAINATIONAL INSTITUTE OF TECHNOLOGY, SURAT

NOTICE: DISSERTATION EXAMINATION
M.TECH. (CAD-CAM)

Venue: MG-09,

Date of Examination: 27/06/2023

Sr. No.	Name of the Student	Topic	Examiner 1	Examiner 2	Examiner 3	Time
1	Anand Bhatu P21CC002	Investigation of impact loading on plates and it's simulation	Dr. D I Lalwani	Dr. Dinesh Singh	Dr. A. A. Shaikh	9:00 to 9:30 AM
2	Harshvardhan Punjal P21CC007	Design and Development of portable dual-head diode laser cutting and engraving Machine	Dr. D I Lalwani	Dr. Dinesh Singh	Dr. A. A. Shaikh	9:30 to 10:00 AM
3	Patel Aditya Pravinbhai P21CC006	Design, Development and Analysis of Fixture for shell to I-stiffener Welding station	Dr. A. A. Shaikh	Dr. Dinesh Singh	Dr. D I Lalwani	10:00 to 10:30 AM
4	Hirani Hardik Umeshbhai P21CC010	Design Clamp Connector as Non-Standard Component Using Analytical, Numerical and Machine Learning Algorithm	Dr. D I Lalwani	Dr. Dinesh Singh	Dr. A. A. Shaikh	10:30 to 11:00 AM
5	Tanmay Pankajbhai Chaudhari P21CC012	Implementation Of Some Mutation Strategies In DE And Modified DE To Engineering Optimization Problem	Dr. A. A. Shaikh	Dr. Dinesh Singh	Dr. D I Lalwani	11:00 to 11:30AM
6	NikunjikumarJayantibhai Patel P21CC013	Optimization of Two Stage Spur Gear Train	Dr. A. A. Shaikh	Dr. Dinesh Singh	Dr. D I Lalwani	11:30 to 12:00 PM

Venue: MG-09,

Date of Examination: 28/06/2023

Sr. No.	Name of the Student	Topic	Examiner 1	Examiner 2	Examiner 3	Time
7	Manish Trishok More P21CC009	Machining of carbon fibre reinforced epoxy composite using WECDM process	Dr. D I Lalwani	Dr. Dinesh Singh	Dr. Amit Singh	9:00 to 9:30 AM
8	Pushparaj Sanjay Nannaware P21CC003	Design optimization of notched cantilever beam for improved vibration energy harvesting	Dr. D I Lalwani	Dr. Dinesh Singh	Dr. Rohit Tamrakar	9:30 to 10:00 AM
9	Chaudhary Rohit Shree Kripal Singh P21CC014	Study and analysis of wake region behind triangular bluff body for proposed Piezoelectric Energy Harvesting	Dr. D I Lalwani	Dr. Dinesh Singh	Dr. Rohit Tamrakar	10:00 to 10:30 AM
10	Rasika Kulkarni P21CC005	An approach to develop 3D Model and Finite Element analysis of the Normal knee joint	Dr. D I Lalwani	Dr. Dinesh Singh	Dr. D P Vakharia	10:30 to 11:00 AM
11	Rahul Vishwakarma P21CC008	Free vibration analysis of Carbon Nanotube reinforced composite plate	Dr. D I Lalwani	Dr. Dinesh Singh	Dr. SumitKhare	11:00 to 11:30 AM

C. C. to:
Dy. Registrar (Acad)

Shambhu
Head,
22/6/23
Deptt. of Mech. Engg.