



DEPARTMENT OF MECHANICAL ENGINEERING
SARDAR VALLABHBHAINATIONAL INSTITUTE OF TECHNOLOGY, SURAT

No. DoME/Dissertation/917/2023-24

Date: 05/06/2023

NOTICE

M.TECH. (Thermal System Design)
DISSERTATION EXAMINATION

Venue: TV Room I

Date of Examination: 08/06/2023

Sr. No.	Name of the Student	Topic	Examiner 1	Examiner 2	Examiner 3	Time
1	Smitkumar R Patel P21TD002	Performance enhancements of solar water heating system using phase change material	Dr. H.B. Mehta	Dr. A.D. Parekh	Dr. M.K. Rathod	09:00 to 09:45 AM
2	Patel Sunny Pankajkumar P21TD003	Numerical study of Grey Water Heat Recovery by using Phase Change Material	Dr. P.V. Bhale	Dr. Bade Mukund	Dr. M.K. Rathod	09:45 to 10:30 AM
3	Goklani Mohitkumar Jayeshbhai P21TD004	Design & Performance Assessment of Roof Integrated Phase Change Material Based Passive Cooling System	Dr. P.V. Bhale	Dr. Bade Mukund	Dr. J. Banerjee	10:30 to 11:15 AM
4	Alok Raj P21TD007	Numerical Analysis of Jet Impingement from circular and slot nozzles on Heat Transfer Process on Steel Band for Industrial Galvanizing Line	Dr. R.D. Shah	Dr. M.K. Rathod	Dr. Naresh Y.	11:15 AM to 12:00 PM
5	Harsh Paliwal P21TD009	Assessment of Injector performance sensitivity to change in critical assembly parameters.	Dr. J. Banerjee	Dr. M.K. Rathod	Dr. A.D. Parekh	12:00 PM to 12:45 PM

Venue: TV Room I

Date of Examination: 09/06/2023

1	Gourav Kumar Singh P21TD010	Numerical and Experimental Investigation of Battery Thermal Management system using different cooling techniques	Dr. H.B. Mehta	Dr. R.D. Shah	Dr. M.K. Rathod	02:00 to 02:45 PM
2	Patel Parth Vasantkumar P21TD016	Design and Analysis of Plate Heat Exchanger	Dr. R.D. Shah	Dr. M.K. Rathod	Dr. A.D. Parekh	02:45 to 03:30 PM
3	Kapil Yadav P21TD017	Prediction of biochar yield from pyrolysis of sewage sludge using machine learning	Dr. P.V. Bhale	Dr. M.K. Rathod	Dr. Prabhansu	03:30 to 04:15 PM
4	Karthic Raja M P21TD019	Experimental investigation and performance assessment of different biodiesel production techniques	Dr. Bade Mukund	Dr. M.K. Rathod	Dr. P.V. Bhale	04:15 to 05:00 PM

Shashank
6/6/23
HOD/DoME

c.c. to:
Dy. Registrar (Academic)



DEPARTMENT OF MECHANICAL ENGINEERING
SARDAR VALLABHBHAINATIONAL INSTITUTE OF TECHNOLOGY, SURAT

No. DoME/Dissertation/886 /2023-24

Date: 05/06/2023

NOTICE
M.TECH. (Turbo Machine)
DISSERTATION EXAMINATION

Venue: TV Room II,

Date of Examination: 09/06/2023

Sr. No.	Name of the Student	Topic	Examiner 1	Examiner 2	Examiner 3	Time
1	Manan Jain P21TM004	Design and analysis of centrifugal compressor impeller for micro gas turbine application	Dr. J. Banerjee	Dr. V.P. Rathod	Dr. R.D. Shah	09:00 to 09:45 AM
2	Adharsh Unni A P21TM015	Design of H ₂ fired can combustor: A numerical approach	Dr. J. Banerjee	Dr. V.P. Rathod	Dr. R.D. Shah	09:45 to 10:30 AM
3	Anirudh Nautiyal P21TM001	Analysis Of Mechanical Plugs with Retention Screw for Turbocompressor Heads	Dr. Beena Baloni	Dr. V.P. Rathod	Dr. Nikhil Baraiya	10:30 to 11:15 AM
4	Meera Sudheer P21TM005	Computational Fluid Dynamic Analysis of Inlet Flow region of a Centrifugal Compressor	Dr. J. Banerjee	Dr. V.P. Rathod	Dr. Nikhil Baraiya	11:15 AM to 12:00 PM

c.c. to:

Dy. Registrar (Academic)

Shankar
5/6/23
HQD/DoME
[Signature]



DEPARTMENT OF MECHANICAL ENGINEERING
SARDAR VALLABHBHAINATIONAL INSTITUTE OF TECHNOLOGY, SURAT

No. DoME/Dissertation/887 /2023-24

Date: 05/06/2023

NOTICE
M.TECH. (Mechanical)
DISSERTATION EXAMINATION

Venue:MG-01

Date of Examination: 09/06/2023

Sr. No.	Name of the Student	Topic	Examiner 1	Examiner 2	Examiner 3	Time
1	Prajapati Navinkumar P21ME002	Design And Analysis of Dry Cell Electrolyzer	Dr. B.M. Sutaria	Dr. Vimal M. Patel	Dr. Sandeep Soni	09:00 to 09:45 AM
2	Anjan Patel P21ME004	Investigation and optimization of NiTi actuator for deployable radiator for deep space missions.	Dr. A.D. Parekh	Dr. Vimal M. Patel	Dr. Sandeep Soni	09:45 to 10:30 AM
3	Maharshi Desai P21ME005	Investigation of Thermo-Fluid Performance Characteristics of Fin-and-Tube Heat Exchanger Using Vortex Generators	Dr. A.D. Parekh	Dr. Vimal M. Patel	Dr. M.K. Rathod	10:30 to 11:15 AM
4	Ashish Kumar Patel P21ME012	Numerical Analysis of Crack Using Ansys Workbench	Dr. R.V. Rao	Dr. Vimal M. Patel	Dr. Sandeep Soni	11:15 AM to 12:00 PM
5	Ch Ravi Shankar P21ME018	Experimental investigations on effect of orientation on thermal performance of a novel PCM-based heat sink	Dr. M.K. Rathod	Dr. Vimal M. Patel	Dr. Naresh Y.	12:00 PM to 12:45 PM

c.c. to:

Dy. Registrar (Academic)

Shankar
5/6/23
HOD/DoME
[Signature]



DEPARTMENT OF MECHANICAL ENGINEERING
SARDAR VALLABHBHAINATIONAL INSTITUTE OF TECHNOLOGY, SURAT

No. DoME/Dissertation/888 /2023-24

Date: 05/06/2023

NOTICE
M.TECH. (Manufacturing)
DISSERTATION EXAMINATION

Venue: MG-13,

Date of Examination: 09/06/2023

Sr. No.	Name of the Student	Topic	Examiner 1	Examiner 2	Examiner 3	Time
1	Ayush Goyal P21MF002	Development of Competency Framework and Map the skill of Colleagues at Manufacturing	Dr. Shailendra Kumar	Dr. V.D. Kalyankar	Dr. T.N. Desai	09:00 to 09:45 AM
2	Anmol Ghanshyambhai Patel P21MF003	Relationship between SCM and Sustainable Performance Outcomes using MCDM methods	Dr. Shailendra Kumar	Dr. V.D. Kalyankar	Dr. T.N. Desai	09:45 to 10:30 AM
3	Jigar Pankajkumar Patel P21MF012	Investigation on Single Point Incremental Forming	Dr. Shailendra Kumar	Dr. V.D. Kalyankar	Dr. H. K. Raval	10:30 to 11:15 AM

Shailendra
5/6/23

HOD/DoME

c.c. to:

Dy. Registrar (Academic)



DEPARTMENT OF MECHANICAL ENGINEERING
SARDAR VALLABHBHAINATIONAL INSTITUTE OF TECHNOLOGY, SURAT

No. DoME/Dissertation/889 /2023-24

Date: 05/06/2023

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

Venue: MG-09,

Date of Examination: 09/06/2023

Sr. No.	Name of the Student	Topic	Examiner 1	Examiner 2	Examiner 3	Time
1	Himanshu Yeshpalsingh Chauhan P21CC001	Design and development of fixture for I stiffener welding station	Dr. D.I. Lalwani	Dr. Dinesh Singh	Dr. D. P. Vakharia	09:00 to 09:45 AM
2	Nikhil Vinod P21CC004	Prediction of wear on plating materials of pins and terminals of vehicle connectors	Dr. D.I. Lalwani	Dr. Dinesh Singh	Dr. D. P. Vakharia	09:45 to 10:30 AM
3	Ramidi Vishnu Vardhan Reddy P21CC016	Study of Taper Shape Bistable Beam for Vibration Energy Harvesting	Dr. D.I. Lalwani	Dr. Dinesh Singh	Dr. Rohit Tamrakar	10:30 to 11:15 AM

c.c. to:
Dy. Registrar (Academic)

Shanbhush
5/6/23
HOD/DoME
[Signature]



DEPARTMENT OF MECHANICAL ENGINEERING
SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT

Common Instructions to the Students

1. **Create a clear and concise outline:** Organize your presentation into a logical structure. Divide it into sections such as introduction, literature review, methodology, results, discussion, and conclusion.
2. **Clearly state the research problem and objectives:** Begin your presentation by clearly stating the research problem or question you aimed to address in your M.Tech. dissertation.
3. **Provide a brief literature review:** Summarize the relevant KEY literature in your field of study (preferably in a tabular format) to provide context for your research. Highlight the existing knowledge gaps and outline the objectives you set out to filling those gaps.
4. **Describe your methodology:** Explain the research methodology you employed to carry out your study. Discuss the data collection techniques, tools used, and any experiments or simulations performed. Be sure to mention any limitations or challenges faced during the research.
5. **Present your findings:** Share the results of your study with clear and concise data representation. Explain the significance of your results and how they contribute to the research question or problem.
6. **Analyze and discuss your findings:** Interpret the results in the context of your research objectives. Discuss the implications of your findings and how they align with or differ from existing literature. Address any unexpected or contradictory outcomes and provide possible explanations.
7. **Conclusion and future work:** Summarize your key findings and restate the main contributions of your research. Discuss the limitations of your study and suggest avenues for future research in the area.
8. **Be punctual and organized:** Arrive early on the day of your presentation to set up any equipment and familiarize yourself with the venue. Ensure that your presentation materials, such as slides or handouts, are organized and easily accessible.
9. **Respect time constraints:** Stay within the allocated time for your presentation. Practice managing your time during rehearsals to avoid rushing or exceeding the time limit.
10. The total time duration for your presentation is **45 minutes** including Q&A.