

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Laxminarayan Institute of Technology, Nagpur

REPORT OF RESEARCH ADVISORY COMMITTEE (RAC)

Mechanical Engineering

As per the RAC in the subject Mechanical Engineering held on 03/01/2022, the following students presented synopsis and presentation was found satisfactory, RAC approved their topics based on the presentation and synopsis with respective guides given in following table.

Sr. No.	Name of Student	Topic	Name of Supervisor
1	Mr. Sameer Telang	Design and Development of Tractor Attachments for improvement of farm operations.	Dr. Ajay Vasant Kolhe
2	Mr. Sumit Kumar	Optimization of performance parameters of Flat type Solar based cooking cum drying system for improving thermal efficiency.	Dr. Nischal P. Mungle
3	Mr. Avinash Mahajan	Design and Optimization of Power Management Strategy for Fuel cell Hybrid Vehicle	Dr. Nischal P. Mungle
4	Mr. Gourav Holey	Experimental investigation and optimisation of process parameters for Inconel 718 material using ball nose finishing tool.	Dr. Nischal P. Mungle
5	Mr. Sohan V. Sarode	Performance optimization of some critical parameters of supply chain management in Indian Healthcare Sector.	Dr. Nitin K. Mandavagade
6	Mr. Ritesh P. Harode	Experimentation and thermal performance analysis of corrugated surface on stepped type absorber in inclined solar still using phase change material.	Dr. Nitin K. Mandavagade
7	Mrs. Neha Futane	Development of framework for productivity improvement of Small and Medium Enterprises (SME) using Lean and European Foundation for Quality Management (EFQM) model.	Dr. Nitin K. Mandavagade
8	Mr. Pravin T. Petkar	Design and Development of cow dung log making machine energized by human powered	Dr. P. B. Maheshwari (Supervisor) Dr. P N Belkhode (Co Supervisor)
9	Ankita Balpande	Design and Development of Hybrid Dryer for few Agricultural Products	Dr. P. B. Maheshwari (Supervisor) Dr. P N Belkhode (Co Supervisor)
10	Mr. Ritesh Banpurkar	Investigation and Analysis of Characteristics of 3D Printed Parts Produced by Fusion of Different Filament Materials	Dr. Amit Bhende



Director

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REPORT OF RESEARCH ADVISORY COMMITTEE (RAC)

Civil Engineering

As per the RAC in the subject Civil Engineering held on 04/01/2022, the following students presented synopsis and presentation was found satisfactory, RAC approved their topics based on the presentation and synopsis with respective guides given in following table.

Sr. No.	Name of Student	Topic	Name of Supervisor
1	Ms. Abhilasha Deshmukh	Parametric study of MBBR using Electro-Coagulation as supportive Treatment.	Dr. Kiran Tajne
2	Ms. Kirti Vijayrao Thakare	Fire Risk Zoning for Nagpur City and its Implication on Urban Settlements.	Dr. Kiran Tajne
3	Ms. Bharti R. Gautam	Development of Innovative Materials for Evaluation of Defluoridation Treatment Efficiency in Domestic Water Filter.	Dr. Shrikrishna A. Dhale (Supervisor) Dr. R. M. Dhoble (Co-Supervisor)
4	Ms. Pranita Dambhare (Bhandari)	Investigation and Feasibility of Bio-Medical Waste Ash with Pozzolonic Material in Concrete for Sustainability.	Dr. Shrikrishna A. Dhale (Supervisor) Dr. Kiran Tajne (Co-Supervisor)
5	Mr. Vikrant S. Vairagade	Experimental and Numerical Studies of Static and Dynamic Properties of Mixed Steel Fibre Reinforced Concrete.	Dr. Shrikrishna A. Dhale
6	Mr. Sumit L. Chauhan	Development of Sustainable Concrete by using Recycled Aggregate.	Dr. Shrikrishna A. Dhale
7	Ms. V. P. Kesalkar	Removal of Fluoride from Water by Chemically Impregnated Novel Adsorbents using Adsorption Technique.	Dr. R. M. Dhoble
8	Ms. Bhagyashree Chelani	Studies on use of Plastic Waste for Soil Stabilization.	Dr. R. M. Dhoble (Supervisor) Dr. Prasad P. Dahale (Co-Supervisor)



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REPORT OF RESEARCH ADVISORY COMMITTEE (RAC)

Electrical Engineering

As per the RAC in the subject Electrical Engineering held on 04/01/2022, the following students presented synopsis and presentation was found satisfactory, RAC approved their topics based on the presentation and synopsis with respective guides given in following table.

Sr. No.	Name of Student	Topic	Name of Supervisor
1	Mr. Sandeep A. Kale	Prediction of Transmission Network Congestion using AI Technique and Suggesting the method for its removal.	Dr. N. D. Ghawghawe



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REPORT OF RESEARCH ADVISORY COMMITTEE (RAC)

Electronics Engineering

As per the RAC in the subject Electronics Engineering held on 04/01/2022, the following students presented synopsis and presentation was found satisfactory, RAC approved their topics based on the presentation and synopsis with respective guides given in following table.

Sr. No.	Name of Student	Topic	Name of Supervisor
1	Ms. Priyanka Mahalle	Genome and Exome Sequencing analysis for alignment, classification, grouping and mining using Deep Learning.	Dr. Sanjay L. Badjate



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REPORT OF RESEARCH ADVISORY COMMITTEE (RAC)

Computer Science and Engineering

As per the RAC in the subject Computer Science and Engineering held on 05/01/2022, the following students presented synopsis and presentation was found satisfactory, RAC approved their topics based on the presentation and synopsis with respective guides given in following table.

Sr. No.	Name of Student	Topic	Name of Supervisor
1	Ms. Pragya Lekheshwar Balley	Intelligent Processing of No SQL Data using Machine Learning.	Dr. Shrikant Vijayrao Sonekar
2	Mr. Abhimanyu S. Dutonde	Hybrid Approach for Feature Selection in Big Data Analytics.	Dr. Shrikant Vijayrao Sonekar
3	Mr. Rahul R. Mahajan	Development of an Intelligent Protocols for Improving Security in Wireless Data Communication.	Dr. Shrikant Vijayrao Sonekar
4	Miss. Jolly R. Nikhade	Design of a Secured network for Drone Communication using Block Chain Technology.	Dr. Shrikant Vijayrao Sonekar



Director