

**WALCHAND INSTITUTE OF TECHNOLOGY  
RESEARCH PAGE  
2017-2018**

1.	Name of Guide : Dr.S.A.Halkude		
	Name of Student	Research Topic	Status
	Mr. Kalyanshetti M.G.	Seismic Response of Building Frames Considering Soil Structure Interaction	<b>Completed</b>
	Mr. Pise C.P.	Turbidity Removal Using Blended Coagulant Moringa Oleifera And Alum	<b>Completed</b>
	Mr. Kulkarni S.K.	Shear Strength of Fiber Reinforced Concrete Deep Beams	<b>On-going</b>
	Mr. Gosavi S.B.	Assessment of Conveyance Losses Using Image Processing Techniques.	<b>On-going</b>
	Mr. Katdare R.C.	Use of Paddy for Erosion Control	<b>Ongoing</b>
	Mr. Pawar Y.P.	Evaluation of Performance of hybrid fiber reinforced high volume fly ash based self compacting concrete	<b>Ongoing</b>
2.	Name of Guide : Dr.N.P.Sonje		
	Name of Student	Research Topic	Status
	Mr. Chougule M.B.	Recycling of Wastewater in Textile Wet Processing	<b>Completed</b>
	Mr. Joshi S.K.	Experimentation on Microhydel Power Generation from Low Head Weirs with special Emphasis on Parametric study of cross Flow Turbine for Performance Evaluation	<b>Ongoing</b>
	Mr. Mane S.J.	Prediction of Respirable Suspended Particulate Matter (RSPM), SO <sub>2</sub> Nox In Pune city Using Artificial Neural Network	<b>Ongoing</b>
	Mr. Deshmukh G.K.	Wastewater Minimization in Sugar Industry Incorporation Green Technology	<b>Ongoing</b>
	Mr. Pawar M.M.	Development of Methodology for converting existing water Supply Scheme in to A 24 X 7 water Supply Scheme	<b>Ongoing</b>

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3.	Name of Guide : Dr. S.S. Kashid		
	Name of Student	Research Topic	Status
	Mr. Chawadekar A.U.	Prediction of Droughts in North West India and West Central India Regions using Climate Inputs and Genetic Programming- Copula Approach	<b>On-going</b>
	Mrs. Khotlande V.S.	Prediction of India Summer Monsoon Rainfall on Homogeneous Monsoon Regions of India Based on Large scale Atmospheric Circulation Patterns and Local meteorological inputs	<b>On-going</b>
	Mrs. Motegaonkar S.S.	Effects of Climate Change on Spatio-Temporal Distribution of Indian Summer Monsoon Rainfall on Homogeneous monsoon regions of India	<b>On-going</b>
	Mr. Lonawat S.S.	Prediction of Monthly India Summer Monsoon Rainfall over Meteorological Subdivision of India for its application in water resource management	<b>On-going</b>
	Mr. Jagale S.D.	River basin-Scale stream flow and Reservoir Storage Forecasting based on Large-scale Coupled Atmospheric-Oceanic Circulation Patterns and Local Metrological Inputs	<b>On-going</b>
4.	Name of Guide : Dr.S.K.Dixit		
	Name of Student	Research Topic	Status
	Mr. Kulkarni R.B.	Empirical analysis and restructuring of Web application	<b>Completed</b>
	Mr. Dhore Manikrao L.	" Real Time Cross Language Weaver For Commercial Web Based Applications Using Memory Translation And Transliteration	<b>Completed</b>
	Mr. Dube R.R.	Behavior Specification Synthesis of Embedded Real-Time Systems with Timing Analysis and Transformation	<b>Completed</b>
	Mr. Dube Mahesh R.	Reconcilable Ramified System Analysis and Design Modeling Framework with Evolution Traceability	<b>Completed</b>
	Mrs. Mergu R.R.	2D Transform & Hybrid	



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		Filtering Approach for Noisy Speech Enhancement and Comparison by Objective & Subjective Measures	<b>Completed</b>
	Mrs. Thalange A.V.	Vision Based Recognition of Alphabets in American Sign Language Using Hybrid Methodology of Feature Extraction Techniques	<b>Completed</b>
	Mrs. Bahirgonde Prabhavari D.	High Throughput Optimization Turbo Decoder Architecture	<b>Final Thesis Submitted</b>
	Mr. Madki M.R.	Analytical Evaluation and Performance Improvement of the analog to Digital Converter for Software Radio	<b>On-going</b>
	Mr. Kalshetty S.C.	Adaptive Fuzzy Sliding Mode Controller for Robot Manipulator	<b>On-going</b>
<b>5.</b>	<b>Name of Guide : Dr. S.R.Gengaje</b>		
	<b>Name of Student</b>	<b>Research Topic</b>	<b>Status</b>
	Mrs. Alandkar L.S.	A novel approach for object detection in video	<b>Completed</b>
	Mrs. Jabade Vaishali S.	Wavelet Transform And Fuzzy Inference System Based Robust And Imperceptible Non-Blind Image Water Marking	<b>Completed</b>
	Mrs. Nirgude M.A.	Iris recognition system based on novel feature Extraction and Classification Methods	<b>On-going</b>
	Mr. Bingi V.A.	A prototype for region based image retrieval system using visual descriptors	<b>On-going</b>
	Mr. Patnaik P S R	A theoretical Foundation for probabilistic ontology driven stochastic grammars for syntactic-semantic pattern recognition	<b>On-going</b>
	Mr. Lokhande Dheeraj B.	A Novel Approach for Transaction Management in	<b>On-going</b>

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		Heterogeneous Distribution Real-Time Replicated database systems	
	Mr. Jamage S.B.	Prediction strategies for replacement of equipments of system with future failure using parametric modeling	<b>Ongoing</b>
	Mr. Kanase Ajit Bajirao	A novel Optimization Approach for Network Reconfiguration of Electrical Distribution system	<b>Ongoing</b>
<b>6.</b>	<b>Name of Guide : Dr. Mrs. S.S. Apte</b>		
	<b>Name of Student</b>	<b>Research Topic</b>	<b>Status</b>
	Mrs. Pujar A.R.	An Efficient Domain-Specific Text Summarization Technique Using Knowledge –Base and Combined Statistical & Linguistic Methods	<b>Completed</b>
	Mrs. Yalagi P.S.	Analysis of sequential Java code For automatic parallelization in distributed networks for high performance computing A runtime approach	<b>Completed</b>
	Mrs. Ubale Swapnaja.A.	Implementation and Analysis of ACL Based Security Models For Windows Operating System	<b>Completed</b>
	Mrs. Rawale Priya P.	Design Microarchitecture of a Microprocessor Based on Superscalar Architecture Using FPGA	<b>Completed</b>
	Mrs. Shelke R. J.	Analysis of Factors Affecting Performance Leading to a Novel Approach for Digital Image Water Marking	<b>Completed</b>
	Mr. Argiddi R.V.	An optimization approach for generation financial forecasting using data mining techniques with focus on association rule mining	<b>On-going</b>
	Mrs.Kulkarni Vidya R.	Performance analysis of cryptographic Applications using ANN with focus on Hash Function	<b>On-going</b>
	Mr. Rajguru Abhijit A.	Performance improvement of distributed system through Load Balancing & Task scheduling using Fuzzy Logic	<b>On-going</b>



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7.	Name of Guide :Dr. S.S. Sarwade		
	Name of Student	Research Topic	Status
	Mr. Tuljapure S.B.	Design of Bumpers of Light Commercial Vehicles for Effective Energy Absorption During The Frontal Impact	<b>Completed</b>
	Mr. Jamgekar Rohan S.	Analysis of congruence of manufacturing strategy, maintenance strategy, business strategy in pair and its impact on performance	<b>On-going</b>
8.	Name of Guide :Dr. S.P. Kallurkar		
	Name of Student	Research Topic	Status
	Mr. Kulkarni P.R.	Towards Improving Productivity of Solapur Based Textile SMEs	<b>Completed</b>
	Mr. Salunke P.V.	Ergonomic Design Consideration for school desk From Anthropometric Perspective	<b>Ongoing</b>
	Mr. Vyavahare Ravidra T.	Ergonomic Considerations In The Design of Farm Equipments Being Used In Maharashtra	<b>Completed</b>
	Mr. Mitragotri P.P.	Improving process Performance of Foundry from Environment Predictive	<b>On-going</b>
	Mr. Naik S.B.	Optimal plant layout design for process industry	<b>On-going</b>
	Mr. Jagtap Shrikant T.	Application of QFD and six SIGMA for robust product design of automobile components	<b>On-going</b>
	Mr. Aradhye Atul S.	Application of Institute Engineering to Reduce waiting period of pilgrims	<b>On-going</b>

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9.	<b>Name of Guide :Dr. R.B. Hiremath</b>		
	Mr. Katikar N.S.	Design of an integrated knowledge management Model for Rural Industries in Solapur District, India	<b>On-going</b>
	Mr. Bansode S.S.	Developing Boimimetic Design principles for Textile products	<b>On-going</b>
	Mr. Deshmukh R. A.	Energy conservation & emission reduction strategies for melting Process for foundry in Solapur	<b>Ongoing</b>
	Mr. Kolgiri Somnath G.	Design & Development of an Integrated model for assessing Ergonomic Factors for the powerloom sector of solapur city	<b>On-going</b>
10.	<b>Name of Guide :Dr. Kulkarni M.L.</b>		
	Mr. Dhale Susheel R.	Experimental study of wire behavior with respect to material Removal Rate and surface Finish of wire electrical Discharge Machining	<b>On-going</b>
	Mr. Sonwane Sachin A.	Optimization of wire cut Electrical Discharge machining with respect to cut characteristics	<b>Ongoing</b>
11.	<b>Name of Guide :Dr. Jatkar K.H.</b>		
	Mr. Sagat Chandrakant D.	A thermal Analysis of coolant in boring trepanning association machining	<b>Ongoing</b>
12.	<b>Name of Guide :Dr. Thool R.C.</b>		
	Mr.Potttigar Vinayak V.	A gird-enabled CPU intensive task allocation and scheduling in Grid Computing	<b>On-going</b>

(Dr. S. A. Halkude)  
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