

Global Research Institute of Management and Technology

Student Project / Publications

Computer Engineering Department

S.No	Name of Project/ Title / M.tech publication	Name of student (Author)	Remarks
1	Hybrid technique for Edge detection using Swarm intelligence based method	Er. Pankaj , Er. Nitish	Published in volume 6 (1) , 2019 in Internation journal of Advanced computronics and management studies
2	A new scheme tto customize Blowfish for better security	Er. Komal Ahuja , Er. Manisha	Published in volume 8(9) , 2022 in journal of emerging Technologies and innovative research(JETIR)
3	Image classification model on Bactria image dataset by deep learning	Er. Komal Ahuja , Er. Mahak	Journal of emerging technologies and innovative research (JETIR), Vol-10 issue 6, (ISSN:2349-5162) June 2023.
4	AI in Electronic health Records (EHRs) balancing efficiency and privacy	Er. Tauqeer Akhtar	Journal of Non Linear analysis and optimization , ISSN:1906-9685 vol. 14, 2023
5	Enhanced Python based approach of secret sharing scheme for cloud security	Er. Shilpa , Er. Navneet Kuar	International Journal of Scientific research in Engineering and Management (IJSREM)), vol-7 issue-10(ISSN: 2582-3930), Oct 2023
6	Performance analysis of static and movable sink in wireless sensor network	Er. Rajat Er. Nishu	International Journal of Scientific research in Engineering and Management (IJSREM)), vol-7 issue-10(ISSN: 2582-3930), Oct 2023
7	Detect and remove duplicate images using Machine Learning	Er. Khusbu, Er. Abid	International Journal of Scientific research in Engineering and Management (IJSREM)), vol-7 issue-10(ISSN: 2582-3930), Oct 2023
8	Prediction of disease in agriculture using IOT and Machine Learning	Er. Khusbu Er. Anju	International Journal of information movement (IJIM) , vol-8 issue-12, April 2024

9	Prediction of health diseases using Machine Learning Algorithm	Er. khusbu , Er. Sagar	International Journal of Research Publication and Review (IJRPR), 5(5),(ISSN:2582-7421), May 2024.
10	Software defect prediction using ensemble modelling and class balancing	Er. Komal Ahuja , Er. Pooja	International Journal of Research in Engineering and Management (IJSREM)),8(2),(ISSN-2582-3930), Feb. 2024.
11	Lung cancer detection using Deep learning	Er. Komal Ahuja , Er. Anmol	International Journal of Research Publication and Review (IJRPR), 5(5),(ISSN:2582-7421), May 2024.
12	Sound - Based Virtual Assistant	Er. Sagar	Planning to Integrated Assistant with mobile to provide a synchronized experience between the two connected device
13	Weather Forecasting	Er Anju	It is a service that provides weather data including current weather data , forecast and historical data to the developer of web services and mobile application.
14	Wack a Mole	Er Vandana , Er. Maniraj	The wack a mall game is a arcade - style game that challenges player to test their reflexes and agility. In this game player must whack the moles tat pop up randomly on the screen with in a set limit, earning point for each successful hit.
15	Multiple prediction using Maching Learning	Er. Abhi Arora , Er. Rohan	It is a healthcare application that uses machine learning algorithms to predict the likelihood of a patient having multiple diseases.
16	Authentication By OTP	Er Nishant , Er Simran	One of the members in the domain of automatic identification and data capture technologies is one time password
17	Smart Health Diseases Prediction system	Er. Monika , Er. Nishu	Provide a user friendly and easily understandable to user to easily get instant guidance on their health issue through and intelligent health care system online

18	Connect for Game	Er. Bhart Bhushan , Er. Rahul	defines basic java that covers basic concept of java programming language.
19	Brain tumor identification using CNN	Er. Abid Hussain	Focus on the use of different technique for the discovery of brain cancer using brain MRI.
20	Darbhangga Housing Board	Er. Tauqeer Akhtar	This project is to develop a web based hosing board application using Html , CSS , Java Script and Php

Civil Engineering Department

Sr. No.	Name of Project/Publication	Name of Student/ Author	Remarks
1	Exploring divergence and deviations of seismic performance of Set-back Structures	SOMPAL , VIKAS GARG	Published in JETIR Journal, V.10, and Issue 5 May, 2023
2	A review paper on an analysis of outrigger multi-storey structure	Haider Fareed Qureshi, Er. Vikas Garg	Published in JETIR Journal, V.9, Issue 10 Oct, 2022
3	A review paper on interference effect between tall building with square cross sections under wind loads	Shubham Guleria, Er. Vikas Garg	Published in JETIR Journal, V.9, Issue 10 Oct,2022
4	An Experimental study on the use of waste Ceramic material, Egg Shell and Iron Slag in self compacting concrete	Divyanshu , Er Vikas Garg	Published in JETIR Journal, V.7, Issue 11 Nov, 2020
5	Experimental study of behaviors of structural elements	Sunil Kumar, Er. Vikas Garg	Published in IJSART Journal, V.6, Issue 10 Oct, 2020
6	An Experimental Investigation on Rehabilitation of R.C Beams using Woven Roving Mat Fiber	Ankush, Er. Vikas Garg	Published in IRJET Journal, V.7, Issue 10 Oct, 2020
7	Experimental study on utilization of recycled aggregates in concrete	Er. Narinder Kumar, Sunil Kumar, Vikas Garg	Published in IRJMETS Journal, V.2, Issue 8 Aug, 2020

8	Study of Properties of Polypropylene Reinforced Concrete	Bisma Zaffar, Vikas Garg	Published in IRJET Journal, V.7, Issue 4 April, 2020
9	A brief study on Cost and Efficiency of Translucent Concrete	Nasir Mushtaq, Er. Vikas Garg, Owais Ahmad Rather	Published in IJIERM Journal, V.6, Issue VI Dec, 2019
10	An Investigational approach of Using Recron-3s in Self Compacting concrete	Showkat Ahmad Rather, Junaid Bashir, Vikas Garg	Published in IRJET JOURNAL , V.6, Issue 12 Dec, 2019
11	Impact of Cold Weather on workability, Compressive and Flexural Strength of Concrete	Junaid Bashir, Showkat Ahmad Rather, Fayaz Ahmad Laherwal, Vikas Garg	Published in IRJET JOURNAL, V.6, Issue 12 Dec, 2019
12	A Laboratory Investigation of The Properties of Concrete Containing Recycled Plastic Aggregates	Owais Ahmad Rather VIKAS GARG	Published in IJIERM Journal V.6, Issue V Oct, 2019
13	Design of New Design Passive Energy Dissipation System for Earthquake Resistant Structure	Faizan Elahi, Vikas Garg	Published in IRJET Journal, V.6, Issue 5 May, 2019
14	Leveraging Silica Fume as a Sustainable Supplementary Cementitious Material for Enhanced Durability and Decarbonisation in concrete	Vikas Garg	Advances in Civil Engineering Under Review
15	Submerged Floating Tunnel	Sunny Raina, Vishal Sharma	An Innovative Underwater Transport Solution, Revolutionizing underwater transit with a buoyant, submerged tunnel concept
16	Design Of Pavement	Vishal Singh, Sunil Singh	Engineering Durable and Efficient Roadway Structures
17	Solar Road	Sumeet Gupta, Shubham Kamboj	Integrating Solar Power Generation into Roadway Infrastructure
18	Rain Water Harvesting	Nafees Ahmad, Aadil Reyaz	Sustainable Water Conservation and Management System
19	Cable and Suspension Bridge	Akshay Tyagi, Deepak Kumar	Engineering Strong and Flexible Bridge Structures
20	Use of Waste Polyethylene in Bituminous Concrete Mixes	Saroj Kumar Yadav, Harshit Tyagi	Enhancing Pavement Performance with Recycled Plastics

21	Process of Water Treatment Plant	Asif Rather, Aquib Khan	Different processes for Purification and Distribution of Safe Drinking Water
22	Power Generation by Ocean Wave Energy	Shivak Sharma, Vikas Sharma	Harnessing Wave Motion for Sustainable Electricity
23	Design of Suspension Bridge	Amit Kumar Sharma	Engineering Stable and Efficient Long-Span Structures
24	Study on Analysis & Design of T-Girder Bridge	Arbind Yadav	Optimizing Structural Efficiency for Safe and Durable Bridges
25	Design Of Rotary Intersection	Subhash Bohara	Enhancing Traffic Flow and Safety through Circular Roadways

Mechanical Engineering Department

S.No	Name Of Project/Publications	Name Of Author	Remarks
1.	Modeling & Analysis of Power Generation System using Petri Nets	Gurmej Singh	Published in volume 14,2024 in International Journal of Current Engineering & Technology
2.	Critical Review of the Literature on Reliability, Availability & Maintainability Approaches for Complex System in Different Process	Gurmej Singh	Published in volume 12,2024 in International Journal of Multidisciplinary and Current Research
3	Availability Analysis and Performance Modeling of a Milk Pasteurization System using Petri Nets	Abhishek Kumar	Published in volume 12,2024 in International Journal of Multidisciplinary and Current Research
4	Review of the Critical Work and a Future Global View of RAM Approaches for Complex System in Different Process Industries	Abhishek Kumar	Published in volume 14,2024 International Journal of Multidisciplinary and Current Research
5	Footstep Power Generator	Raghav verma Sachin Kumar Abhishek Kumar	

6	Effect of Machining Parameter on MRR & Surface Temperature of Bronze	Sheetal Sharma Sunil Kumar Sahil Kumar	
7	Effect of Machining Parameter on MRR & Surface Temperature of Gunmetal	SachinSharma Sidhant Khajuria Rohit Kumar	
8	Solar Bio Mass Dryer	Abhishek Kumar Shreeniwas	
9	Circular Cutting Machine	Rishabh Shubham Rohit	
10	Fuel Supply System With Auto Stopper	Gourav Sharma Kapil Sachin	