



G. H. Raisoni College of Engineering, Nagpur

(An Autonomous Institute & Affiliated to R.T.M. Nagpur University)

Dual Accreditations NAAC "A++" Grade & NBA (Tier-I)

1. Name of Research Centre:- G H Raisoni College of Engineering, Nagpur

Date : 20/01/2024

2. No. of Registered/Empaneled Supervisor: 18

3. Total No. Of Seats: 108

4. Total No. Of Vacat Seats: 88

TABLE 1. Supervisor's Details of Mechanical Engineering

Sr. No.	Name of Supervisor	Designation	Subject	Date of Superannuation	No of Candidates registered	No of Vacant Seats
1	Dr. Sachin Untawale	Director (Professor)	Manufacturing, Industrial Engineering	30th April 2027	0	8
2	Dr. P. V. Walke	Professor	Thermal Engineering/ Renewable Energy	31 st December 2028	5	3
3	Dr. S. B. Jaju	Professor	Industrial Engineering, Production Engineering, Design	31 st August 2034	4	4
4	Dr. Rupesh Shelke	Professor	Thermal Engineering/ Renewable Energy	31 st May 2036	0	8
5	Dr. V.N. Bhaiswar	Associate Professor	Design and vibration based Condition	31 st January 2028	3	3
6	Dr. Vivek Wasudeoraokhond	Assistant Professor	Thermal Engineering/ Renewable Energy	31 st December 2033	0	4
7	Dr. Nilesh P. Awate	Assistant Professor	Manufacturing, Industrial Engineering	30 th June 2044	0	4

TABLE 2 Research Student Details of Mechanical Engineering

Sr. No.	Name of Research Student	Category	Subject	Title of Research Topic	Name of Supervisor/ Co Supervisor	Date of Registration
1	Vyankatesh Satyanarayan Naidu	Open	Mechanical Engineering	Development of A Protocol for Fabrication of Custom Implants for Replacement of Single Non-Restorable Tooth	Dr. S.B. Jaju	06-03-2022
2	Amol Vikas Joshi	Open	Mechanical Engineering	Optimum Design of the Tooth Root Profile for Improving Bending Capacity of Gear	Dr. S.B. Jaju	06-04-2022
3	Abhijeet Anil Khandagale	Open	Mechanical Engineering	Design and Development of Bionic Exoskeleton for Lower Limb Rehabilitation	Dr. S.B. Jaju	06-03-2022
4	Pramar Pramodrao Bakane	OBC	Mechanical Engineering	Design and Development of Attachment for Screw in Implant Removal During Orthopedic Surgery	Dr. S.B. Jaju	06-03-2022
5	Samrat Mohan Kavishwar	Open	Mechanical Engineering	Investigation and Comparison of Different Conventional Cladding Methods with CMT for Repair and Maintenance Application in Industry	Dr. V N Bhaiswar	06-03-2022
6	Janunkar Rajeshwar Gunwant	OBC	Mechanical Engineering	Mechanical Design and Tactical Placement Technique of Robust and Reliable Battery Pack for Electric Vehicle	Dr. V N Bhaiswar	06-06-2022
7	Karamkar Bhushan Pandurang	SC	Mechanical Engineering	Design and Development of Thermal Management System (TMS) for Battery packs of Electric Vehicles	Dr. V N Bhaiswar	06-04-2022
8	Mr. Amol Pitale	Open	Mechanical Engineering	A Study and Analysis of Exhaust Emission and Engine Performance using Nano Particles Laden Fuels combined with Exhaust after Treatment Devices	Dr. P.V. Walke	01-11-2018
9	Mr. Karankumar Shivshankar Chaudhari	OBC	Mechanical Engineering	Development and Analysis of Split Type Hybrid Solar Domestic Cooking Unit for Rural Region	Dr. P.V. Walke	08-06-2020
10	Yogesh Narayan Nandanwar	Open	Mechanical Engineering	Design Optimization and Performance Analysis of Receiver in Solar Parabolic Dish Collector with Thermal Energy Storage	Dr. P.V. Walke	06-03-2022
11	Prashant Bhaulal Tembhurnikar	OBC	Mechanical Engineering	Performance Investigation of IC Engine with Different Thermal Barrier Coating by Using Mathematical Modeling	Dr. P.V. Walke / Dr.R.S. Shelke(Co guide)	06-03-2022
12	Amol Pandurang Bahale	OBC	Mechanical Engineering	Experimental Investigations on Performance of Energy Efficient Solar Tube Day Lighting System.	Dr. P.V. Walke	19-05-2023

TABLE 1. Supervisor's Details of Civil Engineering						
Sr. No.	Name of Supervisor	Designation	Subject	Date of Superannuation	No. of candidates registered	No. of vacant seats
1	Dr. P. Y. Pawade	Professor	Civil Engineering	30-Nov-25	5	NIL (as per direction No. 11 of 2023)
2	Dr. B. V. Khode	Professor	Civil Engineering	31-Mar-25	3	NIL (as per direction No. 11 of 2023)
3	Dr. K. R. Dabhekar	Assistant Professor	Civil Engineering	30-Jun-40	2	2
4	Dr. I. P. Khedikar	Assistant Professor	Civil Engineering	30-Sep-44	0	4
5	Dr. S.S.Sanghai	Assistant Professor	Civil Engineering	31-Jul-48	2	2

TABLE 2 Research Student Details of Civil Engineering						
Sr. No.	Name of research Student	Category	Subject	Title of research topic	Name of Supervisor/Co-supervisor	Date of registration
1	Dipak Gopalrao Mangrulkar	OPEN	Civil Engineering	Design and Development of Mobile Equipment for controlling air pollution	Dr. P Y Pawade	22-03-2022
2	Minal Virendra Dehadrai	OPEN	Civil Engineering	Feasibility Evaluation of Translucent Concrete Using Different Materials	Dr Kuldeep Dabhekar	22-03-2022
3	Pooja Vijayrao Gadekar	OPEN	Civil Engineering	Developing the Strategy for mitigating the impact of dynamic loading on Structures	Dr. P Y Pawade	22-03-2022
4	Praful Rameshrao Khobragade	SC	Civil Engineering	Design and Development of Semi-Circular Labyrinth Weir	Dr. B. V. Khode	22-03-2022
5	Rajesh Govindrao Kanade	NT-2	Civil Engineering	Design and Performance Evaluation of Insitu wastewater treatment system	Dr. B. V. Khode	22-03-2022
6	Rohit Damodhar Bhongade	OBC	Civil Engineering	Design and Development of Ozone Based Advanced Oxidation Process For Hospital Waste Water Treatment	Dr. P Y Pawade	22-03-2022
7	Amruta Jagdish Killool	OBC	Civil Engineering	Behaviour of adjacent buildings during earthquake considering soil-structure interaction	Dr. P Y Pawade	27-04-2023
8	Sampada Makarand Khanapurkar	Open	Civil Engineering	Influence of Site Effects on Performance of RC structures	Dr. P Y Pawade	27-04-2023
9	Ashutosh Umesh Umre	Open	Civil Engineering	Investigations of Biomass as an alternate fuel	Dr. B. V. Khode	27-04-2023
10	Radhika Deshpande	Open	Civil Engineering	Sustainable performance evaluation of porous concrete by incorporating natural materials like zeolite, hemp fibers and other cementitious materials	Dr Kuldeep Dabhekar	27-04-2023
11	Kuntal Tushar Zade	OBC	Civil Engineering	Design optimization of industrial chimneys subjected to dynamic loading	Dr. S.S.Sanghai	18-Sep-23
12	Sanjay Laxman Kholapurkar	Open	Civil Engineering	DEVELOPMENT OF SOLUTIONS FOR SUSTAINABLE IRRIGATION SYSTEMS FOR AGRICULTURE IN YAVATMAL DISTRICT	Dr. S.S.Sanghai	18-Sep-23

TABLE 1. Supervisor's Details of Computer Science & Engineering Engineering						
Sr. No.	Name of Supervisor	Designation	Subject	Date of Superannuation	No. of Candidates Registered	No. of Vacant Seats
1	Dr. Snehlata Dongre	Assistant Professor	Computer Science & Engineering	31/10/2044	1	3
2	Dr. Urmila Shrawankar	Associate Professor	Computer Science & Engineering	31/08/2025	2	NIL (as per direction No. 11 of 2023)

TABLE 2 Research Student Details of Computer Science & Engineering Engineering						
Sr. No.	Name of Research Student	Category	Subject	Title of Research Topic	Name of Supervisor/Co-supervisor	Date of Registration
1	Satyajeet Rajaram Shinge	SC	Computer Science & Engineering	Cost Effective Cloud Model for Industrial IoT	Dr. Urmila Shrawankar	17/03/2022
2	Shatakshi Sangram Kokate	Open	Computer Science & Engineering	Development of Transmission Secured Framework for Data through IoT over Cloud	Dr. Urmila Shrawankar	17/03/2022
3	Kishor Tukaram Mane	Open	Computer Science & Engineering	Decision Support System for Monitoring Online Fake Review of Product using Opinion Mining and Machine Learning	Dr. Snehlata Dongre	25-05-2023

TABLE 1. Supervisor's Details of Electrical Engineering						
Sr. No.	Name of Supervisor	Designation	Subject	Date of Superannuation	No. of Candidates Registered	No. of Vacant Seats
1	Dr. Vinod Chandrakar	Professor	Power System	31/05/2023	7	NIL (as per direction No. 11 of 2023)
2	Dr. Prema Daigavane	Professor	Electrical Engineering, Electric Vehicles	30/11/2026	0	NIL (as per direction No. 11 of 2023)

TABLE 2 Research Student Details of Electrical Engineering						
Sr. No.	Name of Research Student	Category	Subject	Title of Research Topic	Name of Supervisor/Co-supervisor	Date of Registration
1	Prashant Jagtap	OBC	Power System	Design of Power System Oscillations damping controller in multimachine environment by using intelligent Unified Power Flow Controller (UPFC)	Dr. V. K. Chandrakar	08-06-2020
2	Akshay Deshmukh	Open	Power System	Power quality enhancement in grid/Micro-grid interconnected Solar Photovoltaic System with reactive power compensation	Dr. V. K. Chandrakar	08-10-2020
3	Sapana Bhande	OBC	Power System	Development of Intelligent Static Synchronous Series Compensator to improve Power System Performance	Dr. V. K. Chandrakar	08-06-2020
4	Rakesh Dakhare	OBC	Power System	Investigating Thyristor Controlled Phase Angle Regulator for Power Flow control using Intelligent Controller	Dr. V. K. Chandrakar	14/08/2020

TABLE 1. Supervisor's Details of Electronics Engineering						
Sr. No.	Name of Supervisor	Designation	Subject	Date of Superannuation	No. of Candidates Registered	No. of Vaccent Seats
1	Dr. S. S. Dorle	Professor	Vehicular Adhoc Netwrok, WSN,	30-Sep-2034	0	8
2	Dr. D. V. Padole	Professor	Embedded Systems, Signal Processing, IOT	31-Dec-2039	1	7
3	Dr. M. M. Khanapurkar	Professor	Embedded Systems, Signal Processing, IOT	31-May-2028	1	NIL (From April 2023 left the Job.)
4	Dr. M. A. Gaikwad	Professor	Wireless Communication, Signal Processing	31-Dec-2029	0	8
5	Dr. V. R. Bora	Professor	Image Processing, Biomedical Engineering, MEMS	31-Jul-2034	2	6
6	Dr. Laxman Thakre	Assistant Professor	Wireless communication, Signal processing, DSP, Vedic Mathematics	31-Sep-2039	0	4
7	Dr. A K Akant	Assosiate Professor	Video & Image Processing	31-May-2033	0	6
8	Dr. A R Deshmukh	Assistant Professor	Wireless communication, WSN	31-Mar-2043	0	4

TABLE 2 Research Student Details of Electronics Engineering						
Sr. No.	Name of Research student	Category	Subject	Title of Research Topic	Name of Supervisor	Date of Registration
1	VRUSHALI VILAS AILAWAR	SBC	Electronics Engineering	Classification Of Cell Nuclei In Breast Histopathology Images Using Hybrid Machine Learning Algorithm	Dr. V. R. Bora	19-Mar-2022
2	KARTIK K. INGOLE	OBC	Electronics Engineering	Design Approaches for Internet of Things Based System Model for Agricultural Applications	Dr. D. V. Padole	19-Mar-2022
3	TUSHAR HEMCHANDRA JOSHI	OPEN	Electronics Engineering	Design Approaches of an Efficient Hybrid Cryptographic model for Blockchain Technology to Secure IoT Applications	Dr. M. M. Khanapurkar	19-Mar-2022
4	Manthan Ghosh	OPEN	Electronics Engineering	Enhancing Diabetes Management Through Non-Invasive Bio-Sensor Based Blood Glucose Monitoring	Dr. Vibha Bora	12-Sep-2023

Dr. Sachin Untawale
DIRECTOR
GHRCE, Nagpur