

**K. D. K. COLLEGE OF ENGINEERING, NAGPUR**  
**DEPARTMENT OF CIVIL ENGINEERING**

**SUMMARY**

**Record of Place for Higher Learning and Research in Civil Engineering**

No. of Research Scholars at KDKCE Centre	:	14
No. of Research Scholars Awarded Ph.D.	:	8
No. of Ph.D. Supervisors	:	05
Sanctioned Intake	:	15 (10+5)

# K. D. K. COLLEGE OF ENGINEERING, NAGPUR

## DEPARTMENT OF CIVIL ENGINEERING

### List of Research Scholar Awarded Ph.D

Sr. No	Name of Research Scholar	Name of Guide/ Co-Guide	Research Topic	Date of Notification
<b>Session 2024-25</b>				
1	Mr .Sanjiv Kumar N. Harinkhede	Dr.V.Varghese	Investigation of new techniques in mechanical rebar coupler as an alternative to lap splices	
<b>Session 2023-24</b>				
2	Mr. Aasif M. Baig	Dr.V.Varghese	Strength & durability of concrete with waste Foundry Sand & Coal Bottom ash against Chemical & weathering Environment	6/10/2023
3	Mr. Suyog U. Dhote	Dr.V.Varghese	A Parametric study on wind Response of tall build using artificial neural network and software	6/10/2023
<b>Session 2022-23</b>				
4	Mr. Vinayak D. Vaidya	Dr.V.Varghese	Experimental investigation on effect of fire on conventional concrete and concrete with different additive	11/11/2022
<b>Session 2021-22</b>				
5	Mr.Swapneel R.Satone	Dr.D.K.Parbat Dr.D.P.Singh	Experimental investigation and comparative study of properties of green concrete with conventional concrete	5/10/2021
6	Ms. Pallavi S.Randive	Dr.D.P.Singh Dr.A.G.Bhole	Use of jet flocculator in water treatment process	2/05/2022
<b>Session 2020-21</b>				
7	Mr.Amarendra Jaltare	Dr.S.R.Choudhari Dr.D.P.Singh	Analysis of stresses in RCC Bridge Piers	
<b>Session 2019-20</b>				
8	Mr. Mahesh R.Nalamwar	Dr.D.K.Parbat Dr.D.P.Singh	Study of Natural Ventilation on energy efficiency of residential Building	

**Dr. S. R. Satone**

Head of Department

Department of Civil Engineering

K. D. K. College of Engineering, Nagpur

**K. D. K. COLLEGE OF ENGINEERING, NAGPUR**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**SUMMARY**

Record of Place for Higher Learning and Research in Mechanical  
Engineering

No. of Research Scholars at KDKCE Centre	:	09
No. of Research Scholars Awarded Ph.D.	:	12
No. of Ph.D. Supervisors	:	04
Sanctioned Intake	:	15 (10+5)

# K. D. K. COLLEGE OF ENGINEERING, NAGPUR

## DEPARTMENT OF MECHANICAL ENGINEERING

### List of Research Scholar Awarded Ph.D

Sr. No.	Name of Research Scholar	Name of Guide/ Co-Guide	Research Topic	Date of Notification
<b>Session 2025-26</b>				
1	Ashish T.Meshram	Dr.A.V.Vanalkar	Design and Development of Mobile Robot for Pesticide Spraying Operation in Agriculture	17/09/2025
<b>Session 2023-24</b>				
2	Tejpal C. Parshiwani	Dr.C.C.Handa	Design, Development and Optimization of Process of Extraction of Activated Carbon, Bio Oil and Syn Gas from Coconut Shells	05/04/2024
3	Ms.Saroj S.Chavhan	Dr.S.K. Choudhary(G) Dr.P.B. Maheshwary (CG)	Experimental Optimization of Vapour Compression Refrigeration System using Nanofluids	09/01/2024
<b>Session 2022-23</b>				
4	Mr.K.L. Motghare	Dr.C.C.Handa (G)	Design Optimization and Simulation of A Field Data Based Model (FDBM) For A flow Forming Operation in Brass Utensil Industry	02/01/2023
<b>Session 2020-21</b>				
5	Mr. Prafull Thakre	Dr.C.C. Handa(G) Dr.S.Salodkar(CG)	Modeling of Some Parameters of Bending Operation on 3 Roller Bending Machine	01/01/2021
6	Mr. A P. Ninawe	Dr.C.C. Handa (G) Dr.A. V. Vanalkar (CG)	Modeling of Parameters of Hydraulic Ram Pump (Hydram)	11/12/2020
7	Mr. Nandkishor M	Dr.V.G. Arajpure(G)	Design and Development of Human Effortless Mechanism	

	Sawai	Dr. C.C. Handa (CG)	for Forming Earthen Pot	31/07/2020
<b>Session 2019-20</b>				
8	Mr. Shitalkumar A Rawandale	Dr.A.M. Fulambarkar (G) Dr. C.C.Handa (CG)	Identification & Analysis of Factors Responsible for Employability of Engineering Graduates and Development of Model for Enhancement of Employability Through Application of Six Sigma	31/01/2020
9	Mr. Radhyshyam H Gajghat	Dr.C.C.Handa	Identification of Evaluation of Factor Affecting the Performance of First Year Engineering Student in University Examination of CSVTU	07/12/2019
10	Mr. Manoj A. Kumbhalkar	Dr.D.V.Bhope(G) Dr. A.V. Vanalkar(CG)	Failure Analysis of Primary Suspension Spring of Railroad	23/08/2019
<b>Session 2018-19</b>				
11	Mr. P.B. Maheshwary	Dr. C.C. Handa (G)	Experimental Optimization of Heat Transfer Performance in Heat Exchanger by using Nanofluids	25/04/2019
12	Mr.Brijendra Singh Bhaskar	Dr.S.K.Choudhary	Experimental optimization of heat transfer through porous material heat exchanger	13/11/2018

**Dr. A. V. Vanalkar**  
**Dean R&D,**  
Professor and Head,  
Department of Mechanical Engineering,  
K.D.K.College of Engineering, Nagpur