



Mandatory Disclosure 2024-25

1. Name and address of the Institution

- Name of Institution : Madhukarrao Pandav College of Engineering
- Address of the Institution : Bhilewada, Bhandara, Maharashtra, 441204.
- Phone Number with STD Code : 07184 - 298755
- Fax Number with STD Code : 07184 – 298755
- Email : mpce@rediffmail.com
: principal@mpcoe.edu.in
- Website : www.mpcoe.edu.in

2. Name and address of the trust

- Name of trust : Sanmarg Shikshan Sanstha
- Address of trust : Near Water Tank, New Nandanwan
Nagpur.
- Mobile No. : Phone No (including STD Code)
0712-2711803
- Fax : 072-2712965

3. Name and Address of Principal

- Name of Principal : Dr. Dhiraj Deshmukh
- Address : Trimurti Nagar, Near Nit Gardan, Nagpur.
Maharashtra
- Mobile No. 9822418116
- Phone Number with STD Code : 07184 - 298755
- Fax Number with STD Code : 07184 – 298755
- Email : principal@mpcoe.edu.in

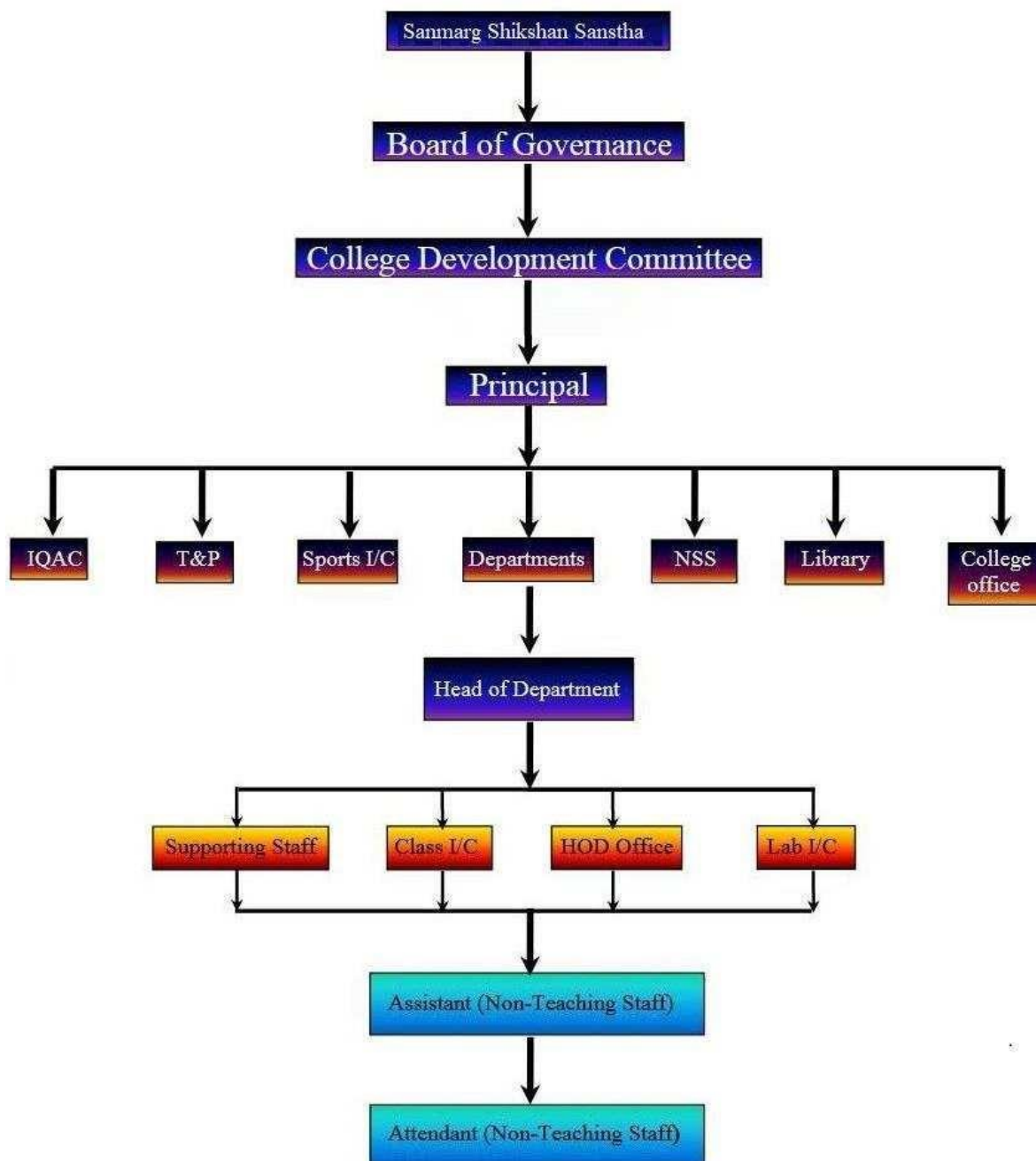
4. Name of Affiliating University

- Name of University : Rashtrasant Tukadoji Maharaj Nagpur University,
(Formerly Nagpur University)
- Address : Bajaj Complex, Amravati Road, Nagpur
- Website : www.nagpuruniversity.org

5. Governance

- Organizational chart

Organizational Structure of the Institution



- **Grievance Redressal Mechanism for faculty, staff and students:**
 - As per the guidelines of AICTE, Principal constitutes committee for Grievance redressal. On the basis of recommendations and findings of the committee Principal takes appropriate action.
 - A senior member from the faculty is appointed as an In-charge of the committee by the Principal
 - Grievance redressal committee looks in the matter after receipt of written complaint.
 - Women Grievances are resolved by ICC.
 - The Grievance redressal committee is intended to undertake the processes of attending to the grievances put forward by the students and staff. It focuses on settling the issues in a cordial atmosphere.
 - The committee takes into consideration all the redressal criteria, rules & regulations of the college and government of Maharashtra both in admitting the complaint and in conducting the inquiry. The committee is expected to commence its operations by constituting a special committee in case of specific need.
 - The committee is expected to submit the observations, suggestions, if any, to the statutory committee for further processing.
 - The Chairman and the members of the committee undertake all the operations in coordination with the respective Head of the department and administrative office.
- [Constitution of Anti-Raging Committee](#)
- [Constitution of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University](#)
- [Constitution of Alumni Committee](#)
- [Constitution of Committee for SC/ST](#)
- [Internal Quality Assurance Cell](#)
- [Constitution of Women's Development Cell](#)
- [Constitution of Teacher Guardians Cell](#)
- [Constitution of Training & Placement Cell](#)
- [Constitution of Student Development Cell](#)
- [Constitution of OBC Cell](#)

- [Constitution of Minority Cell](#)
- [Constitution of E.D.P. Cell](#)
- [Constitution of Examination Cell](#)
- [Constitution of Faculty Development Cell](#)
- [Constitution of Institution- Industry Cell](#)
- [Constitution of Internal Complaint Committee](#)
- [Constitution of Library Advisory Committee](#)

6. Programmes

➤ Name of Programmes approved by AICTE

1. B. Tech. Computer Engineering
2. B. Tech. Electronics & Communication Engineering
3. B. Tech. Mechanical Engineering
4. B. Tech. Electrical Engineering
5. B. Tech. Civil Engineering
6. M. B. A.

➤ Name of Programme Accredited by NBA -Nil

➤ Status of Accreditation of the Courses: NAAC Accredited 'B'

➤ Total Number of Courses: 06

➤ No. of Courses for which applied for NBA Accreditation: Nil

➤ For Each Programme the following details are given

6(A)	Name of the Course	1. B. Tech. Computer Engineering
	Level	UG
	First Year of Approval by the Council	2008
	Number of Seats	54
	Duration	4 Year Degree Course

6(B)	Name of the Course	2. B. Tech. Electronics & Telecommunication Engineering
	Level	UG
	First Year of Approval by the Council	2008
	Number of Seats	54
	Duration	4 Year Degree Course

6(C)	Name of the Course	3. B. Tech. Mechanical Engineering
	Level	UG
	First Year of Approval by the Council	2009
	Number of Seats	54
	Duration	4 Year Degree Course

6(D)	Name of the Course	4. B. Tech. Electrical Engineering
	Level	UG
	First Year of Approval by the Council	2014
	Number of Seats	54
	Duration	4 Year Degree Course

6(E)	Name of the Course	5. B. Tech. Civil Engineering
	Level	UG
	First Year of Approval by the Council	2010
	Number of Seats	54
	Duration	4 Year Degree Course

6(F)	Name of the Course	M. B. A.
	Level	PG
	First Year of Approval by the Council	2009
	Number of Seats	54
	Duration	2 Year PG-Degree Course

➤ **Cut off marks / rank of admission during the last years**

Cut off Marks General Quota (JEE/CET)	CAY 2024-25	CAY ₋₁ 2023-24	CAY ₋₂ 2022-23	CAY ₋₃ 2021-22
Computer Engineering	1.88/ 14.39	0.23/26.04	0.38/19.69	0.19/ 10.13
Electronics & Telecommunication Engineering	0.24/ 75.79	1.26/ 1.22	0.46/ 19.30	4.69
Electrical Engineering	0.10	0.12	1.61/ 0.70	0.92
Civil Engineering	2.28	5.88	0.066	13.19/ 24.08
Mechanical Engineering	15.12	3.21	1.21/ 4.76	0.075/ 18.59
MBA	2.38	0.650	4.17	0.6171

➤ **Campus Placement in last year with minimum, maximum and average salary**

Training & Placement	CAY 2023-24	CAY 2022-23	CAY 2021-22	CAY 2020-21
Students Placed Year wise	14	32	17	05
Average Package INR per year	1.42 Lakh	2.47 Lakh	2.39 Lakh	2.14 Lakh
Maximum Package INR per year	3 Lakh	5 Lakh	7 Lakh	4 Lakh
Minimum Package INR per year	1.20 Lakh	1 Lakh	1 Lakh	1.20Lakh

➤ **Name and duration of Programme having Twinning and Collaboration with Foreign University: Nil**

7. Faculty

➤ List of Permanent Faculty

Sr. No.	Names	Designation	Department	Date of Joing
1	Dr. DHEERAJ SHESHAO DESHMUKH	PRINCIPAL	Mechanical Engineering	13/05/2024
	Dept. of M.E.			
1	Dr. MANISH SHRIPATRAO BIHADE	Associate Proffessor	Mechanical Engineering	2/1/2023
2	SANTOSH PURUSHOTTAM ALONE	Assit Proffessor	Mechanical Engineering	11/6/2008
3	ASHWIN UMRAO BAGDE	Assit Proffessor	Mechanical Engineering	19/07/2009
4	REENA MANINDRA MAJUMDAR	Assit Proffessor	Mechanical Engineering	1/8/2011
5	RITESH RANGALAL SHRAWANKAR	Assit Proffessor	Mechanical Engineering	27/12/2015
6	RAJIV GOVINDRAO NIMJE	Assit Proffessor	Mechanical Engineering	20/09/2008
7	ANURAG KEWALDAS NAGPURE	Assit Proffessor	Mechanical Engineering	7/1/2022
8	RAHUL ASHOKRAO GHUMUDWAR	Assit Proffessor	Mechanical Engineering	1/8/2022
9	NISCHAY DURYODHAN NIMBARTE	Assit Proffessor	Mechanical Engineering	16/09/2022
10	HIMANSHU PRADIPRAO MHATRE	Assit Proffessor	Mechanical Engineering	14/10/2024
	Dept. of E.E.			
1	GITANJALI VILASH GHODE	Assit Proffessor	Electrical Engineering	1/7/2016
2	PRAVIN MOTIRAM SAKHARWADE	Assit Proffessor	Electrical Engineering	14/08/2012
3	ASHWINI FULCHAND KOKATE	Assit Proffessor	Electrical Engineering	16/07/2018
4	ABHISHEK PADMAKAR GOSWAMI	Assit Proffessor	Electrical Engineering	4/1/2019
5	SHITAL SIDHARTH KAMBLE	Assit Proffessor	Electrical Engineering	5/1/2019
6	PRASHANT SHIVKUMAR KHANDEKAR	Assit Proffessor	Electrical Engineering	4/5/2020
7	LALINA RAMESH GOSWAMI	Assit Proffessor	Electrical Engineering	26/09/2022
8	RAVINA BHIMRAO RAUT	Assit Proffessor	Electrical Engineering	2/2/2023
9	SHRADDHA WAMAN CHAWHAN	Assit Proffessor	Electrical Engineering	1/1/2024
10	PRITY ASHOK BISEN	Assit Proffessor	Electrical Engineering	2/12/2024

	Dept. of Civil			
1	Dr. HEMANT VITTALRAO HAJARE	Proffessor	Civil Engineering	2/12/2024
2	ANUPAM SEVAKRAM HIRAPURE	Assit Proffessor	Civil Engineering	1/7/2016
3	LILADHAR BHAIYYAJI KUKDE	Assit Proffessor	Civil Engineering	1/7/2016
4	PARAG PURUSHOTTAM KOCHÉ	Assit Proffessor	Civil Engineering	1/6/2009
5	SANDIP TARACHAND KUMBHARE	Assit Proffessor	Civil Engineering	1/12/2021
6	AMIT VINOD BHOWATE	Assit Proffessor	Civil Engineering	17/09/2022
7	NISHITA DEORAO HINGANE	Assit Proffessor	Civil Engineering	10/3/2023
8	NIKITA DHARAMRAJ RADKE	Assit Proffessor	Civil Engineering	13/03/2023
9	RUPALI KAILASH KEWAT	Assit Proffessor	Civil Engineering	11/1/2024
10	AKSHAY SANJAY MESHRAM	Assit Proffessor	Civil Engineering	26/10/2024
11	DIVYANI RUSHISHWAR REHAPADE	Assit Proffessor	Civil Engineering	2/12/2024
12	DIKSHA BHARAT KAMDE	Assit Proffessor	Civil Engineering	2/12/2024
	Dept. of EXTC			
1	Dr. BALRAM DAMODHAR TIMANDE	Proffessor	EXTC Engineering	2/12/2024
2	SHYAM ANANDRAO GABHANE	Assit Proffessor	EXTC Engineering	14/12/2009
3	GITANJALI ABHIJEET JICHAKAR	Assit Proffessor	EXTC Engineering	13/07/2015
4	AMAN RAJENDRA ARORA	Assit Proffessor	EXTC Engineering	1/7/2016
5	AJAY MADHAVRAO PATIL	Assit Proffessor	EXTC Engineering	1/3/2023
6	PRAJAKTA DILIP BORKAR	Assit Proffessor	EXTC Engineering	6/3/2023
7	ASHWINI JAGESHWAR SAKHARWADE	Assit Proffessor	EXTC Engineering	10/10/2023
	Dept. of Computer			
1	DEEPAK SURYAPRKASH BHIOGADE	Assit Proffessor	Computer Engineering	7/7/2012
2	BHARTI K. PURSHARTHI	Assit Proffessor	Computer Engineering	15/07/2014
3	YOGITA KASHIRAM HUKRE	Assit Proffessor	Computer Engineering	10/7/2015
4	BHAGYASHRI DNYANESHWAR THAKARE	Assit Proffessor	Computer Engineering	1/7/2016
5	PRIYA MUKUL VAIDYA	Assit Proffessor	Computer Engineering	21/06/2016
6	DIMPAL ANIL KAPGATE	Assit Proffessor	Computer Engineering	18/07/2022
7	PRIYANKA PURUSHOTTAM SHIWANKAR	Assit Proffessor	Computer Engineering	18/07/2022
8	NEHA MADHUKRAO WAGHALE	Assit Proffessor	Computer Engineering	6/2/2023
9	ARCHANA ADITYA LANDGE (BHOYAR)	Assit Proffessor	Computer Engineering	2/12/2024

	Dept. of Humanities			
1	ATUL MANIKRAO VAIDYA	Assit Proffessor	Humanities Phy.	16/08/2008
2	ANIL SHANKARRAO DORLE	Assit Proffessor	Humanities Phy.	17/08/2010
3	JARULLA IMANTULLA SKEIKH	Assit Proffessor	Humanities Math's	15/06/2014
4	SONAL SURESH DHARGAVE	Assit Proffessor	Humanities Chemistry	28/10/2009
5	SHRUTI SUDHAKAR LOKHANDE	Assit Proffessor	Humanities English	3/8/2022
6	AYUSHI RAJENDRA MANAPURE	Assit Proffessor	Humanities Chemistry	24/1/2024
7	ASHIYANA SIRAJ SHEIKH	Assit Proffessor	Humanities	18/01/2024
8	SWATI M. JAGNADE	Assit Proffessor	Humanities Math's	5/8/2024
9	SWATI DILIP CHAUDHARI	Assit Proffessor	Humanities English	4/11/2024
10	RESHMA KARIMUDDIN SAYYAD	Assit Proffessor	Humanities Phy.	2/12/2024
	Dept. of MBA			
1	Dr. ABHIJIT RAMESHWAR GAJGHATE	Associate Professor	M. B. A.	4/1/2010
2	Dr. RASHAMI PRAKASH PATIL	Associate Professor	M. B. A.	20/09/2010
3	RITESH RAHUL GANAR	Assit Proffessor	M. B. A.	7/5/2016
4	PRADNYA NILKANTH HUMANE	Assit Proffessor	M. B. A.	1/1/2015
5	GITEN HANSRAJ BAGDE	Assit Proffessor	M. B. A.	22/09/2022
6	BHAGYASHRI DNYANESHWAR MOTHARKAR	Assit Proffessor	M. B. A.	2/2/2023
7	ROHAN RAJU NAGPURE	Assit Proffessor	M. B. A.	6/2/2023
	LIBRARIAN			
1	ROHIT BHIMRAO SHENDE	Libarian	LIBRARY	6/2/2023
	PHYSICAL EDUCATION			
1	PRASHANT DASHARATH KAREMORE	Physical Education	Physical Instructor	2/7/2024

➤ **Permanent Faculty: Student ratio - 1:20**

7. Profile of Principal

- **Name** : Dr. Dheeraj Sheshrao Deshmukh
- **Date of Birth** : 10.09.1974
- **Unique ID** : Adhar No-707323263143
- **Educational Qualification:**

Sr. No.	Name of Examination	Board/University	Name of Institute	% of Marks
1.	B.E. (Mech.)	Nagpur University	Y.C.C.E. (PTDC), Nagpur	68.30
2.	M.Tech.(HPE)	Nagpur University	V.R.C.E., Nagpur	72.72
3.	Ph.D. in Mechanical Engineering	R.T.M. Nagpur University, Nagpur	Research center, PCEA, Nagpur	(On dated 10.09.2012)

➤ Work Experience:

Place of work and designation	From date	Up to date	Total time duration
Worked as a workshop In-charge at Shankarrao Dhawad Polytechnic, Nagpur	30.6.1995	15.6.1998	2 years 11.5, Months
Worked as a Lecturer in Mechanical Engineering at Shankarrao Dhawad Polytechnic, Nagpur	16.6.1998	26.7.1999	1 year 1 Month
Worked as a Lecturer in Mechanical Engineering from at Shri Datta, Meghe Polytechnic, Nagpur.	27.7.1999 03.7.2000 02.7.2001	31.5.2000 31.5.2001 23.6.2002	2 years 7.75 Months
Worked as a Lecturer in Mechanical Engineering at Yeshwantrao Chavan College of Engineering, Nagpur	24.6.2002 01.7.2003	31.3.2003 07.02.2004	1 year 4.5 Months
Worked as a Lecturer in Mechanical Engineering, from 09/02/04 and Worked as a professor from 01/12/2012, also Head of Mechanical Engineering Department at Shram Sadhana Bombay Trust's College of Engineering & Technology, Bambhori, Jalgaon, MS, India	09.02.2004 01.12.2012	16.06.2007 09.07.2016	6 years 11.5 Months
Worked as a Lecturer in Mechanical Engineering, at G.H. Raisonni Institute of Engineering & Management, Shirsol Road, Jalgaon.	18.06.2007	18.03.2009	1 year 9 Months
Worked as Assistant Professor (Fifth pay) in Mechanical Engineering, at G.H. Raisonni Institute of Engineering & Management, Shirsol Road, Jalgaon	19.03.2009	15.06.2011	2 years 2.75 Months

Worked as a professor in Mechanical Engineering Department at Godavari College of Engineering, Jalgaon	16.06.2011	02.04.2012	9.5 Months
Worked as Incharge Principal and Professor in Mechanical Engineering Department at College of Engineering and Technology North Maharashtra Knowledge City, Jalgaon	03.04.2012	30.11.2012	8 Months
Worked as a professor in Mechanical	11.07.2016	06.07.2017	11.75

Engineering and NAAC Coordinator at Vidarbha Institute of Technology, Umrer Road, Nagpur, MS, India.			Months
Worked as Associate Professor in Mechanical Engineering at Dr. Babasaheb Ambedkar College of Engineering & Research, Wanadongri, Nagpur, Maharashtra, India	11.07.2017	11.05.2018	10 months
Worked as Associate Professor of Mechanical Engineering at S.B. Jain Institute of Technology, Management & Research, Katol Road,, Nagpur, MS, India	14.05.2018	20.12.2018	7 Months
Working as Associate Professor in Mechanical Engineering at G.H. Raison College of Engineering, Digdoh Hills, CRPF Gate No. 3, Hingna Road,, Nagpur, MS, India	21.12.2018	18.10.2023	4 Year 9.5 Months
Worked as Professor of Mechanical Engineering at Tulsiramji Gaikwad-Patil College of Engineering and Technology, Mohagaon, Wardha Road, Nagpur, MS, India	19.10.2023	31.07.2024	0 Year 9 Months
Working as Principal & Professor of Mechanical Engineering at Madhukarrao Pandav College of Engineering, Bhandara, MS, India	01.08.2024	Till-date	0 Year 5 Month
Total Teaching Experience	25 years & 6.5 Months		
As a workshop In charge Experience	2 years & 11.5 Months		
Total Experience	28 years & 6 Months		

➤ **Research Guidance:**

- Recognized as a Post Graduate Teacher/ Ph.D. guide in the subject Mechanical Engineering via letter Ref. No.: NMU/ 11 /PGR/ Mech. Engg./ 2390/ 2013 dated : 18/11/2013.
- Ph. D. Supervisor : 06 Ph D Scholars completed at KBC NMU, Jalgaon, MS. List of 06

Ph. D. Scholars completed/ Awarded with details:

Sr. No.	Name of Student	Date of Registration	Title	Guide (s)	Date of Award
1	Solanki Pradip Mohansingh	06.02.2015	Experimental Investigation of Thermoelectric Generator System for its Performance Enhancement	Dr. Dheeraj S. Deshmukh Dr. V.R. Diware	29.03..2022 (Ref.No. KBCNMU/11/Ph. D./Mech. Engg./1488/2022)
2	Kulkarni Mahesh Vasantrao	06.02.2015	Experimental Investigation of the Storage Tank Design on Performance of a Solar Water Heating System	Dr. Dheeraj S. Deshmukh Dr. S.P. Shekhawat	08.04..2022 (Ref.No. KBCNMU/11/Ph. D./Mech. Engg./1634/2022)
3	Patil Pundlik Nivrutti	03.04.2014	Experimental Investigation of the Effect of Liquid Petroleum Gas on Frictional Power Loss for Performance Enhancement of S.I. Engine	Dr. Dheeraj S. Deshmukh Dr. Vilas S. Patil	15.06..2022 (Ref.No. KBCNMU/11/Ph. D./Mechanical Engg./2437/2022)
4	Surendra Pandurang Ramteke	03.04.2014	Automatic Segmentation and Performance Enhancement of Optical Character Recognition System for Offline Marathi Text Document	Dr. Ajay Anil Gurjar Dr. Dheeraj Sheshrao Deshmukh	19.10..2022 (Ref.No. KBCNMU/11/Ph. D./Electronics Engg./3562/2022)
5	Patil Prasad Pralhad	06.02.2015	Design and Analysis of an Innovative Flat Plate Collector for a Solar Water Heater	Dr. Dheeraj S. Deshmukh Dr. Adwait M. Vaidya	08.05..2023 (Ref.No. KBCNMU/11/Ph. D./Mech. Engg./769/2023)
6	Talele Dipak Chandrakant	06.02.2015	Experimental Investigation of the Effect of Induction Pressure on a C.I. Engine Performance	Dr. Dheeraj S. Deshmukh Dr. Vilas S. Patil	12.03..2024 (Ref.No. KBCNMU/11/Ph. D./Mech. Engg./499/2024)

➤ **No. of papers published in National/International Journals/Conferences**

- **Scopus Indexed paper published: 18 Nos. including,**
- **Web of Science Indexed papers: 06 Nos.**

Google Scholar: Citations: 405, h-index ::10 , i10 Index : 10 as on date 13.01.2025

Scopus Indexed Papers/ Article available on Link :

<https://www.scopus.com/authid/detail.uri?authorId=57203219747>

Web of Science: <https://www.webofscience.com/wos/author/record/N-1027-2018>

Researcher ID: N-1027-2018, Researcher ID: N-1027-2018, Scopus Author ID: 57203219747, Orcid ID : <https://orcid.org/0000-0001-6074-3111>

**Intellectual Property Rights-
Copyright: 05**

- Worked on a power point presentation and has evolved a concept/idea and hence created a power point presentation titled <Research Methodology Including Experimental Approach=, which is classified as literary work, the aforesaid work is registered (Registration Number: L-74302/2018, dated 06/04/2018, Diary Number :1174/2018-CO/L, Date of Application & Receipt: 22/01/2018) in the name of Dr. Dheeraj S. Deshmukh, under the Indian Copyright Act, 1957
- Worked on a power point presentation and has evolved a concept/idea and hence created a power point presentation titled <CONCEPTUAL DESIGN OF ELECTRIC GENERATION GYM MACHINE=, which is classified as literary work, the aforesaid work is registered (Registration Number: L-114106/2022, dated 07/04/2022, Diary Number : 467/2022-CO/L, Date of Application & Receipt: 07/01/2022) in the name of Dr. Dheeraj S. Deshmukh, under the Indian Copyright Act, 1957
- Worked on a word document and has evolved a concept/idea and hence created a word document titled <CONCEPT OF QUALITY RESEARCH WORK=, which is classified as LITERARY/ DRAMATIC WORK, the aforesaid work is registered (Registration Number: L-134522/2023, dated 10/10/2023, Diary Number: 21831/2023- CO/L, Date of Application & Receipt: 17/08/2023) in the name of DR. DHEERAJ S. DESHMUKH & MR. SHRIKANT ARUNRAO THOTE, under the Indian Copyright Act, 1957
- Worked on a word document and has evolved a concept/idea and hence created a word document titled <SOUND-BASED REFRIGERATION SYSTEM=, which is classified as LITERARY/ DRAMATIC WORK, the aforesaid work is registered (Registration Number: L-134379/2023, dated 09/10/2023, Diary Number: 19429/2023- CO/L, Date of Application & Receipt: 25/07/2023 in the name MR. SHRIKANT ARUNRAO THOTE & DR. DHEERAJ S. DESHMUKH, under the Indian Copyright Act, 1957
- Worked on a word document and has evolved a concept/idea and hence created a word document titled <CONCEPT OF KNOWLEDGE MANAGEMENT IN RESEARCH TOIL=, which is classified as LITERARY/ DRAMATIC WORK, the aforesaid work is registered (Registration Number: L-135454/2023, dated 03/11/2023, Diary Number: 24056/2023-CO/L, Date of Application & Receipt: 07/09/2023 in the name DR. DHEERAJ S. DESHMUKH & DR. MEENA RAJESH, under the Indian Copyright Act, 1957

➤ **International Patents: Patent Granted: 02**

- Australian Government, IP Australia has issued a certificate of Grant to Dr. Dheeraj S. Deshmukh, Innovation Patent (Patent number: 2020101948) Patent Title: Kitchen Items Cleaning Device: KITCHEN ITEMS CLEANING AND DISINFECTING DEVICE USING WATER AND UV-LIGHT. The Commissioner of Patents has granted the above patent on 16

September 2020.

<https://patents.google.com/patent/AU2020101948A4/en?q=IP+Australia+Patent+number:+2020101948>

- g) Australian Government, IP Australia has issued a certificate of Grant to Dr. Dheeraj S. Deshmukh, Innovation Patent (Patent number: 2021101193) Patent Title: A novel sound assisted cooling system. The Commissioner of Patents has granted the above patent on 21 April 2021, <https://patentimages.storage.googleapis.com/5b/cc/b4/a88a55b62326f2/AU2021101193A4.pdf>

➤ **Indian Patents Filed & Published: 02 (including one Patent Granted)**

- h) Dr. Deshmukh Dheeraj Sheshrao had filed a Patent, Title of the Invention: Flat Plate Collector for Solar Water Heater, the Complete specification relating to the invention is filed on dated 02 July 2018, Docket No 29707 on date 08/07/2018, Ref. No./Application No. 201821025463, App. Number TEMP/E-1/27826/2018- MUM. Patent Publication Date (U/S 11A): 10/01/2020. **Date of Grant 15/02/2024**
- i) Dr. Deshmukh Dheeraj Sheshrao had filed a Patent, Title of the Invention: Flat Plate Collector for Solar Water Heater, Application Filing Receipt :CBR Number : 27335, CBR, date: 20-12-2018, Patent numbered 201821048339 dated 20-12-2018. Patent Publication Date (U/S 11A): 26/06/2020.

➤ **Books Published: 03**

- j) Published a Book titled, <Study of WCO Biofueled VCR CI Engine Performance Testing with DPF= A Experimental Investigation Report, LAP Lambert Academic Publishing, Book Details: ISBN-13 : 978-613-9-47099-0, ISBN-10: 6139470994, EAN : 9786139470990, Book language : English, Edited by: Dheeraj Deshmukh, Number of pages: 56, Published on: 2019-03-25, Category: Mechanical engineering, manufacturing technology
- k) Published a Book titled, <Fabrication of Temperature controlled Solar Dryer= LAP Lambert academic Publishing, ISBN: 978-613-9-99230-0, Copyright @ 2019 International Book Market Service Ltd., member of OmniScriptum Publishing Group, Book Details: ISBN-13 : 978-613-9-99230-0, ISBN-10: 6139992303, EAN : 9786139992300, Book language : English, By (author) : Manish Deshmukh, Dheeraj Deshmukh, Mangesh Phate, Number of pages: 72, Published on: 2019-01-03, Category: Heating,- energy- and power station technology
- l) Book published: Title of book - Material science, Publisher: Prakash publication, Jalgaon, ISBN- 978-81-909164-6-2 [Date of publication: 12-08-2010]

➤ **Book Chapters published Details: 03**

Name of the Authors	Title of the book published	Title of the paper	Title of the proceedings of the conference/ Book	Session	SBN/ISSN number of the proceeding	Name of the publisher
Kulkarni,M. V., Deshmukh, D.S., Shekhawat , S.P., Deshmukh, M.S	Smart Technologies for Energy, Environment and Sustainable Development, Vol 2	Optimization of Solar Hot Water Storage Tank Performance during Charging Process Using Buckingham's Theorem	International Conference on Smart Technologies for Energy, Environment & Sustainable development -2020, 04 th and 05 th December 2020	2021-22	ISBN: 978-981-16-6875-3978-981-16-6879-1, https://doi.org/10.1007/978-981-16-6879-1_44	Springer Nature Singapore
Sheetal Deshmukh & Dheeraj Deshmukh	Smart Technologies for Energy, Environment and Sustainable Development, Vol 1. Springer Proceedings in Energy. Springer, Singapore	Development of Unstructured Kinetic Model for Bioethanol Production by <i>Saccharomyces cerevisiae</i> MTCC 171 from Sorghum Grain Waste	International Conference on Smart Technologies for Energy, Environment & Sustainable development -2020, 04 th and 05 th December 2020	2021-22	ISBN: 978-981-16-6875-3, https://doi.org/10.1007/978-981-16-6875-3_55	Springer Nature Singapore
Damanapeta Narsimha chary , Deshmukh Manish Sheshrao , Deshmukh Dheeraj	Mechanical Alloying of Ferrous and Non-Ferrous Alloys Processing, Properties, and Applications	Chapter 6 - Secondary processing of sintered compacts	Mechanical Alloying of Ferrous and Non-Ferrous Alloys 2024 Book chapter DOI: 10.1016/b978-0-443-16151-3.00006-3	2023-24	Part of ISBN: 978 0443161513	Elsevier

➤ **Sponsored Research Project Undertaken:**

Sponsored Research Project Undertaken					
Agency	Title	Amount & Period	Investigator/ Co-Investigator	Status	
				Ongoing/completed/submitted	
(RGSTC), Government of Maharashtra through North Maharashtra University,	Investigation of factors affecting on performance of a thermoelectric generator	1.1 lakh & 2 years	Dr. D.S. Deshmukh (PI) and Mr. Pradeep M. Solanki (Co-PI),	Jalgaon. Letter No: - NMU/11/RGS&TC/612/2014 dated 30.12.2014 completed on dated 15.06.2016	

8. Fees

➤ **Number of scholarship offered by the Institution, duration and amount :**

Duration	CAY 2024-25	CAY- ₁ 2023-24	CAY- ₂ 2022-23	CAY- ₃ 2021-22
Amount	1.05 Cr	2.57 Cr	4.08 Cr	3.71 Cr

9. Admission

➤ **Number of seats sanctioned with the year of approval:**

Refer point number 6

➤ **Number of Students admitted under various categories each year in the last three years**

Year wise Actual Admission	CAY 2024-25	CAY- ₁ 2023-24	CAY- ₂ 2022-23	CAY- ₃ 2021-22
Computer Engineering	54	54	54	54
Electronics & Telecommunication Engineering	19	06	22	52
Electrical Engineering	21	14	32	27
Civil Engineering	24	14	43	06
Mechanical Engineering	07	12	18	28
MBA	54	40	54	54

Cut off Marks General Quota (CET/ JEE)	CAY 2024-25	CAY- ₁ 2023-24	CAY- ₂ 2022-23	CAY- ₃ 2021-22
Computer Engineering	1.88/ 14.39	0.23/26. 04	0.38/19 .69	0.19/ 10.13
Electronics & Telecommunication Engineering	0.24/ 75.79	1.26/ 1.22	0.46/ 19.30	4.69
Electrical Engineering	0.10	0.12	1.61/ 0.70	0.92
Civil Engineering	2.28	5.88	0.066	13.19/ 24.08
Mechanical Engineering	15.12	3.21	1.21/ 4.76	0.075/ 18.59
MBA	2.38	0.650	4.17	0.6171

➤ **Number of applications received during last year for admission under Management**

Quota and number admitted: Nil

10. Admission Procedure : As per Government Norms

11. Criteria and Weight-ages for Admission: As per Government Norms

12. List of Applicants: As per Government Norms

13. Results of Admission Under Management seats/Vacant seats: As per Government Norms

14. Information of Infrastructure and Other Resources Available

- Number of Class Rooms and Total size : 21 and Total size is 1551.405 sq. mt.
- Number of Tutorial rooms and Total size : 11 and Total size is 443.655 sq. mt.
- Number of Laboratories and Total size : 48 and Total size is 3895.662 sq. mt.
- Number of Drawing Halls with Total Size : 02 and capacity of 241.181sq.mt.
- Central Examination Facility, Number of rooms and capacity of each:
 - Central Examination Facility : Yes
 - Number of rooms 20
 - capacity of each : 40+ Students each
- Barrier Free Built Environment for disabled and elderly persons : Yes
- Fire and Safety Certificate : Yes
- Hostel Facilities : No
- Library : Yes
 - Carpet Area of Library : 400.99 SQ. M.
 - Number of Library books/Titles (Programme -wise)

Sr. No	BRANCH	BOOKS	
		TITLE	VOL
1	Computer	466	2224
2.	Electrical	246	1004
3	Electronics & Telecommunication	707	3993
4	Mechanical	438	2202
5	Civil	291	1605
6	Humanities	469	2546
7	General	06	16
8	MBA	774	2612
Total		3397	16202

➤ Number of Journals available (Programme-wise)

Sr.	BRANCH	National/International
1	BE 1ST Year	2
2	Computer	2
3	Electronics & Telecommunication	2
4	Mechanical	2
5	Civil	2
6	MBA	2
7	Magazine	50
Total		62

List of online National/International

Journals subscribed: DELNET E-Library facilities : DELNET

National Digital Library (NDL) subscription details: Yes Registration

Number : INMHNC3MM2HVL2C

Date of Registration : 11 March 2024

- Laboratory and Workshop : Laboratory- 48 and workshop - 01
- List of Major Equipment/Facilities in each Laboratory/Workshop: Yes
- List of Experimental Setup in each Laboratory/Workshop: Yes
- Computing Facilities : 330 computers with Internet Connectivity in LAN
- Internet Band width : 200 MBPS
- Social Media Cell : Yes
- Games and Sports Facilities : Yes
- Teaching Learning Process : Yes

16. List of Research Projects/Consultancy Works: Nil

Annexure 1
Faculty Details

MADHUKARRAO PANDAV COLLEGE OF ENGINEERING, BHANDARA
DEPARTMENT OF MECHANICAL ENGINEERING
FACULTY PROFILE



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Area of interest: Heat Power Engineering



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Area of interest: CAD/CAM



Mr. Ashwin U. Bagde

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Area of Interest: CAD/CAM



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Area of Interest: Heat Power



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Area of Interest: MED



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Area of Interest: CAD/CAM



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Area of Interest: Manufacturing



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Area of Interest: Heat Power



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Area of Interest: Metallurgy

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FACULTY PROFILE



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Area of Interest: Digital Electronics, Power System,



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Area of Interest: Electrical Power System



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Area of Interest: Network Analysis,



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Area of Interest: Power Generation,



Mr.Prashant S. Khandekar

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Area of Interest: Power System, Switch Gear & Protection



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Area of Interest: Power Electronics



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Area of Interest: Electrical Machines



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Area of Interest: Electrical Instrumentation



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Area of Interest: Electrical Machines
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ENGINEERING
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**Area of Interest : Environmental
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Area of Interest : Estimating & Costing



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Area of Interest : Surveying



Miss. Nikita D. Radake

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Area of Interest : Software (AutoCAD, Staadpro)



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**Area of Interest : Geotechnical
Engineering**



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**Area of Interest : Transportation
Engineering**



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Area of Interest : Traffic Engineering



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Area of Interest : Construction Management



Mr. Anupam Hirapure
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Area of Interest : Structural Analysis



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**Area of Interest : Construction
Management**



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**Area of Interest : Transportation
Engineering**

MADHUKARRAO PANDAV COLLEGE OF ENGINEERING, BHANDARA DEPARTMENT
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Mrs. Geetanjali Jichkar

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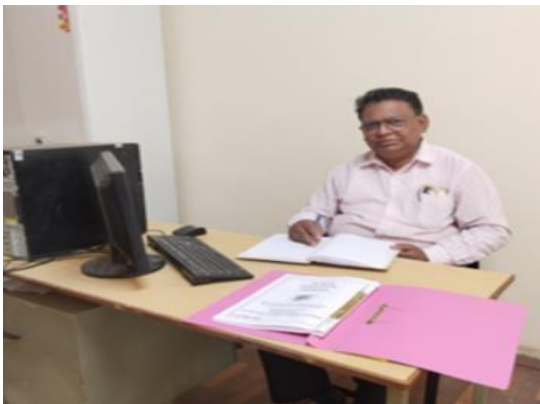
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**Area of interest: Electronics Circuit Design,
Switching Theory**



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**Area of Interest: Digital Image Processing,
Communication Electronics**



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Area of Interest: Digital Communication



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Area of Interest: Microcontroller, Digital Signal Processing



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Area of Interest: Wireless Sensor Network, MATLAB



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Management System**



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Area of Interest: : Network Theory, CMOS VLSI Design



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**Area of Interest: Microwave & Radar Engineering,
Wireless Sensor Network**

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Area of Interest: Computer Graphics



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Area of Interest: Computer Architecture, Analysis of Algorithms.



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Area of Interest: Data Structure



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Area of Interest: Cryptography and network security



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Area of Interest: Python



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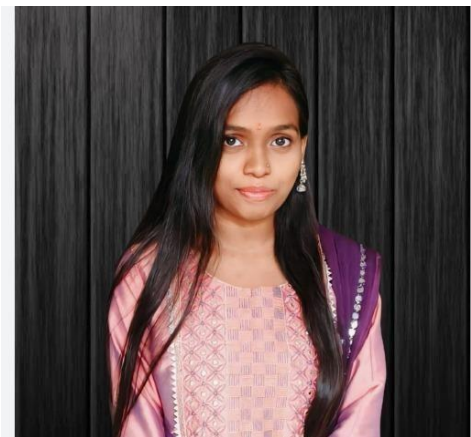
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Area of Interest: Fiber Optics



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Area of Interest: Partial differential equations



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Area of Interest: Polymer Chemistry



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Area of Interest: Importance of Listening



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Area of Interest: spectro Scopy



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Area of Interest: Semiconductor



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