

Shiksha Mandal's  
**BAJAJ INSTITUTE OF TECHNOLOGY**

(A Hindi Linguistic Minority Institute)  
(AICTE, DTE & Govt. of Maharashtra Approved)  
(Affiliated to Dr. Babasaheb Ambedkar Technological University,  
Lonere, Dist. Raigad)

Established : 2017



## Mandatory Disclosure

AICTE Permanent Id : 1-3352520511

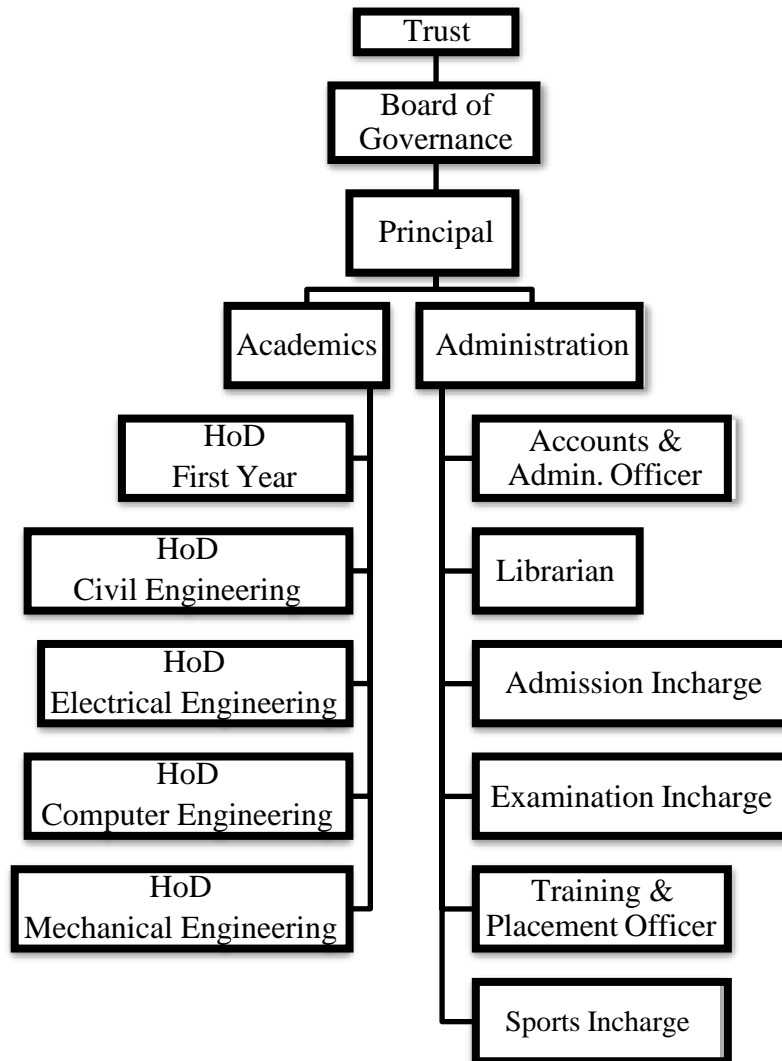
DTE Code : EN04649



- 1. Name of the Institution :** **BAJAJ INSTITUTE OF TECHNOLOGY**  
Arvi Road, Pipri, Wardha.  
Maharashtra, 442001.  
Mob. 9823382851.  
Email : [bit@bitwardha.ac.in](mailto:bit@bitwardha.ac.in)
- 2. Name and address of the Trust :** **Shiksha Mandal, Wardha.**  
Jamnalal Bajaj Marg, Civil Lines, Wardha  
Tel. 07152-230507  
Email : [shikshamandal@gmail.com](mailto:shikshamandal@gmail.com)
- 3. Name of the Principal :** **Dr. Narendra M. Kanhe.**  
“Bajaj Vihar”  
Bajaj Institute of Technology, Arvi Road, Wardha.  
Mob. 9823382851.  
Email : [principal@bitwardha.ac.in](mailto:principal@bitwardha.ac.in)
- 4. Name of the affiliating University :** **Dr. Babasaheb Ambedkar Technological University,  
Lonere, Dist. Raigarh, Maharashtra.**

5. Governance :

5.i Organizational chart :



### 5.ii.a Grievance Redressal mechanism for Faculty & staff :

Following committee has been constituted for Grievance Redressal of the Institute; as per AICTE norms.

Sr. No.	Name	Post
1	Dr. Narendra M. Kanhe (Principal)	Chairman
2	Prof. H. N. Warhatkar (Professor in Mechanical Engg., Affiliating University, DBATU )	Member
3	Dr. A. P. Shesh (Registrar, Affiliating University, DBATU )	Member
4	Dr. Pawan A. Chandak (Associate Professor in Mechanical Engg.)	Member

### 5.ii.b Grievance Redressal mechanism for students :

Following committee has been constituted for Students Grievance Redressal of the Institute; as per AICTE norms.

#### Students Grievance Redressal Committee (SGRC)

Sr. No.	Name	Post
1	Dr. Deepak V. Bhope (Professor in Mech. Engg.)	Chairman
2	Prof. Milind L. Waikar (Retired Professor in Mechanical Engg., SGGS Institute of Engineering & Technology, Nanded)	Ombudsperson appointed by the University.
3	Dr. Mrs. S. P. Pachpor (Faculty in Electrical Engg.)	IQAC Coordinator
4	Dr. Pawan A. Chandak (Faculty in Mechanical Engg.)	Member
5	Mr. Vikas P. Ravekar (Faculty in Civil Engg.)	Member
6	Dr. Vikas R. Palekar (Faculty in Computer Engg.)	Member
7	Mr. Saksham D. Deshmukh (Second Year Civil Engg. Student )	Students representative (Special Invitee)

**5.iii Establishment of Anti Ragging Committee :**

Following committee has been constituted for looking after the Anti Ragging measures in the Institute; as per AICTE norms.

Sr. No.	Post	Name	Representative
1	Chairperson	Dr. Narendra M. Kanhe	Head of the Institute
2	Member	Mrs. Madhuri Waghade Damini Pathak Head, S.P. Office, Wardha	Representative of Civil and Police administration
3	Member	Mrs. Mala Mathur (Secretary, Jammalal Bajaj Bal Mandir, Wardha.)	Representative of Non- Government Organization
4	Member	Mr. Narendra Deshmukh (Reporter – The Hitavada)	Representative of Media
5	Member	Prof. Mandar Gupte (Asst. Prof. in Mech. Engg.)	Representative of Faculty Members
6	Member	Mr. Sunil Patalbansi	Representative of Parents
7	Member	Mr. Dev S. Chandak	Representative of Senior Students.
8	Member	Ms. Akshada A. Kakde	Representative of Junior Students.
9	Member	Mr. Parag K. Kombe	Representative of Non-teaching staff.

**5.iv Establishment of Online Grievance Redressal Mechanism :**

The students can register their complaints in “Grievance Redressal Register” which is available in the Principal’s Office.

Students can also submit their complaints via email.

For this, they have to send an email to [bit@bitwardha.ac.in](mailto:bit@bitwardha.ac.in) with the following details and submit the printout of the sent email along with student’s signature to the college office.

Name :-

Father’s Name :-

Class :-

Address :-

Contact Number :-

Parent’s / Guardian’s Contact Number :-

Email ID :

Nature of Complaint :

Online complaints are accepted only after submitting the print copy of sent email along with the signature of the student.

Contact Person : Dr. N. M. Kanhe, Principal  
Chairman Anti-Ragging, Grievance Redressal Committee.

**5.v Details of Grievance Redressal Committee in the Institute and OMBUDSMAN by the University :**

**Students Grievance Redressal Committee (SGRC)**

<b>Sr. No.</b>	<b>Name</b>	<b>Post</b>
1	Dr. Deepak V. Bhope (Professor in Mech. Engg.)	Chairman
2	Prof. Milind L. Waikar (Retired Professor in Mechanical Engg., SGGS Institute of Engineering & Technology, Nanded)	Ombudsperson appointed by the University.
3	Dr. Mrs. S. P. Pachpor (Faculty in Electrical Engg.)	IQAC Coordinator
4	Dr. Pawan A. Chandak (Faculty in Mechanical Engg.)	Member
5	Mr. Vikas P. Ravekar (Faculty in Civil Engg.)	Member
6	Dr. Vikas R. Palekar (Faculty in Computer Engg.)	Member
7	Mr. Saksham D. Deshmukh (Second Year Civil Engg. Student )	Students representative (Special Invitee)

**5.vi. Establishment of Internal Complaint Committee (ICC)**

Following committee has been constituted for looking after the internal complaints in the Institute; as per AICTE norms.

**INTERNAL COMPLAINTS COMMITTEE**

<b>Sr. No.</b>	<b>Post</b>	<b>Name</b>	<b>Designation</b>
1	Chairperson	Prof. Sheetal A. Kale	Professor in Computer Engineering
2	Member	Dr. Vivek N. Bhusari	Associate Professor
3	Member	Dr. Naina H. Jagyasi	Assistant Professor
4	Member	Mrs. Urvashi N. Pote	Assistant Professor
5	Member	Ms. Mala Mathul	Social Worker
6	Member	Mr. Abhijeet V. Dehadrai	Training & Placement Officer
7	Member	Mr. Chetan Tandan	Assistant Librarian
8	Member	Ms. Purva D. Dahake	Representative of Students.
9	Member	Mr. Vedant A. Satre	Representative of Students.
10	Member	Mr. Aaryan S. Bais	Representative of Students.

**5.vii Establishment of Committee for SC/ ST**

<b>Sr. No.</b>	<b>Post</b>	<b>Name</b>	<b>Designation</b>
1	Chairperson	Dr. Narendra M. Kanhe	Head of the Institute.
2	Member	Mr. Vikas P. Ravekar	Representative of faculty members.
3	Member	Mrs. Harsha D. Jain	Representative of faculty members.
4	Member	Mr. Ayush A. Bendle	Representative of students.
5	Member	Mr. Dikshant P. Atram	Representative of students.
6	Member	Mr. Swapnil Khobragade	Representative of Non-teaching Staff

**5.viii Internal Quality Assurance Cell**

<b>Sr. No.</b>	<b>Post</b>	<b>Name</b>	<b>Representative</b>
1	Chairperson	Dr. Narendra M. Kanhe	Head of the Institute.
2	Member	Dr. Rahul Somalwar	Faculty
3	Member	Dr. Harshad Phadke	Faculty
4	Member	Mr. Santosh kumar	Faculty
5	Member	Mr. Vikas Palekar	Faculty
6	Member	Mr. C.Y. Deshpande	Member from the Management
7	Member	Mr. Parag Kombe	Administrative officer
8	Member	Mr. Sumit Wadewale	Alumni
9	Member	Ms. Akanksha Kale	Alumni
10	Member	Ms. Komal Punwatkar	Student
11	Member	Ms. Komal Petkar	Student
12	Member	Dr. Hitendra Chandewar	Nominee from Employers
13	Coordinator of the IQAC	Dr. S. P. Pachpor	Faculty

**5.ix Equal Opportunity Facilities Cell**

<b>Sr. No.</b>	<b>Post</b>	<b>Name</b>	<b>Representative</b>
1	Chairperson	Dr. Vijay Deshmukh	Associate Professor
2	Member	Dr. Mrs. Naina Jagyasi	Assistant Professor
3	Member	Dr. Ram Wanare	Assistant Professor
4	Member	Mrs. Sheetal Arvikar	Assistant Professor
5	Member	Mr. Parag Kombe	Admin. Officer
6	Member	Ms. Purva Dahake	Student Representative
7	Member	Mr. Aryan Wankhede	Student Representative
8	External Member	Mrs. Snehal Deshmukh	Principal, Bajaj College of Agriculture, Wardha.

## 6. Programmes :

- i. Name of Programmes approved by AICTE : **Engineering and Technology**
- ii. Name of Programmes Accredited by NBA : - Nil -
- iii. Status of Accreditation of the Courses : **NAAC 'A' Grade**
- iv. Total number of Courses : **Four**
- v. For each Programme the following details are to be given :

Course Name	Number of seats	Duration	Cut off marks / rank of admission during the last years		
			2023-24	2024-25	2025-26
B. Tech. in Civil Engg.	60	4 Years	41.83	44.67	44.17
B. Tech. in Computer Engg.	120	4 Years	45.17	47.67	43.33
B. Tech. in Electrical Engg.	60	4 Years	43.00	46.00	44.17
B. Tech. in Mechanical Engg.	60	4 Years	42.67	42.33	84.83

- vi. Fee (as approved by the state government )

As per the Minutes of Meeting of Fees Regulating Authority, Govt. of Mah. Dt. 5<sup>th</sup> May 2026, Fees approved for A.Y. 2026-2027 per student is...

Fees Head	Amount
Tuition Fees	1,00,700
Development Fees	14,300
<b>Total</b>	<b>1,15,000</b>

- vii. Name and duration of Programme(s) having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. If there is Foreign Collaboration, give the following details :  
**Not Applicable.**

## 7. Faculty :

### i. Branch wise list Faculty members :

#### (A) Civil Engineering Department :

No.	Name	Designation
1	Dr. Narendra M. Kanhe	Principal
2	Mr. Dipak G. Mangrulkar	Asst. Professor in Civil Engg.
3	Dr. Vikas M. Thakur	Asst. Professor in Civil Engg.
4	Mr. Amit V. Khandve	Asst. Professor in Civil Engg.
5	Dr. Prathik Kulkarni	Asst. Professor in Civil Engg.
6	Mr. Vikas P. Ravekar	Asst. Professor in Civil Engg.
7	Dr. Harshad D. Phadke	Asst. Professor in Civil Engg.
8	Dr. Aditya P. Nilawar	Asst. Professor in Civil Engg.
9	Dr. Nisha Thakur	Asst. Professor in Civil Engg.
10	Dr. Ram S. Wanare	Asst. Professor in Civil Engg.
11	Mr. Nilesh M. Belorkar	Asst. Professor in Civil Engg.
12	Mr. Nitin N. Ghode	Asst. Professor in Physical Education
13	Ms. Shraddha Kumari Agrawal	Assistant Professor in Humanities and Social Sciences

#### (B) Computer Engineering Department :

No.	Name	Designation
1	Prof. Sheetal A. Kale	Professor in Comp. Engg.
2	Mr. Abhishek M. Kinhekar	Asst. Professor in Comp. Engg.
3	Mr. Sandesh D. Jain	Asst. Professor in Comp. Engg.
4	Ms. Urvashi N. Pote	Asst. Professor in Comp. Engg.
5	Dr. Amol S. Jumde	Asst. Professor in Comp. Engg.
6	Mr. Akshay D. Saraf	Asst. Professor in Comp. Engg.
7	Mr. Ajay Kumar Sahu	Asst. Professor in Comp. Engg.
8	Mr. Aihatesham N. Kazi	Asst. Professor in Comp. Engg.
9	Dr. Vikas R. Palekar	Asst. Professor in Comp. Engg.
10	Mr. Gajanan N. Tikhe	Asst. Professor in Comp. Engg.
11	Mrs. Sheetal P Arvikar	Asst. Professor in Comp. Engg.
12	Mr. Sunny G. Gandhi	Asst. Professor in Comp. Engg.
13	Mrs. Kinjal N. Patel	Asst. Professor in Comp. Engg.
14	Ms. Nivedita W. Wasankar	Asst. Professor in Comp. Engg.
15	Mrs. Anamika Pandey	Asst. Professor in Comp. Engg.
16	Prof. Anand A. Kale	Prof. in Huma. and Social Sci.
17	Mr. Shyam D. Bhadade	Asso. Professor in Mathematics
18	Dr. Vijay M. Deshmukh	Asso. Professor in Physics
19	Dr. Vivek N. Bhusari	Asso. Professor in Chemistry
20	Dr. Naina H. Jagyasi	Asst. Professor in English Comm.Skills

21	Mr. Abhijeet V. Dehadrai	Assistant Professor in Humanities and Social Sciences
22	Mrs. Ujwala D. Zade	Assistant Professor in Humanities and Social Sciences
23	Ms. Amruta Yadao	Asst. Professor in Chemistry
24	Mr. Rushikesh S. Pradhan	Asst. Professor in Mathematics

**(C) Electrical Engineering Department :**

No.	Name	Designation
1	Dr. Harshit S. Dalvi	Professor
2	Dr. Kantilal D. Joshi	Asso. Professor Elect. Engg.
3	Dr. L. Navinkumar Rao	Asso. Professor Elect. Engg.
4	Dr. Snehal P. Pachpor	Asso. Professor Elect. Engg.
5	Dr. Rahul S. Somalwar	Asst. Professor in Elect. Engg.
6	Dr. Jayesh D. Ruikar	Asst. Professor in Elect. Engg.
7	Mr. Anirudha S. Marothiya	Asst. Professor in Elect. Engg.
8	Dr. Partha Sarathi Subudhi	Asst. Professor in Elect. Engg.
9	Mrs. Kirti H. Madan	Asst. Professor in Elect. Engg.
10	Mrs. Swati V. Watkar	Asst. Professor in Elect. Engg.
11	Mr. Parag V. Yelore	Asst. Professor in Electr Engg.
12	Mrs. Harsha D. Jain	Asst. Professor in Electrical Engg.
13	Ms. Janhavi A. Wanjari	Assistant Professor in Humanities and Social Sciences

**(D) Mechanical Engineering Department :**

No.	Name	Designation
1	Dr. Deepak V. Bhope	Professor in Mech. Engg.
2	Dr. Manish D. Pasarkar	Asso. Professor in Mech. Engg.
3	Dr. Vikas B. Gohil	Asso. Professor in Mech. Engg.
4	Dr. Pawan A. Chandak	Asso. Professor in Mech. Engg.
5	Mr. Mandar A. Gupte	Asst. Professor in Mech. Engg.
6	Mr. Pankaj P. Bhise	Asst. Professor in Mech. Engg.
7	Dr. Suraj G. Vairagade	Asst. Professor in Mech. Engg.
8	Mr. Santosh Kumar	Asst. Professor in Mech. Engg.
9	Dr. Santosh B. Bopche	Asst. Professor in Mech. Engg.
10	Dr. Nikhil S. Sohoni	Asst. Professor in Mech. Engg.
11	Dr. Roshan V. Marode	Asst. Professor in Mech. Engg.
12	Mr. Suraj N. Nikhate	Asst. Professor in Mech. Engg.
13	Mr. Ranjit P. Katkar	Asst. Professor in Mech. Engg.
14	Dr. Dhiraj C. Narayane	Asst. Professor in Mech. Engg.

- ii. Permanent Faculty : 64  
iii. Adjunct Faculty : 0  
iv. Permanent Faculty : Student Ratio : 1 : 19

## 8. Profile of Principal :

- i. Name : **Dr. Narendra M. Kanhe**  
ii. Date of Birth : **28/03/1969**  
iii. Unique ID : **1-7437767891**

iv. Educational Qualifications :

Degree	Institute / University	Year of Completion
B.E. (Civil Engg.)	Govt. College of Engg. Amravati	1991
M. E.	VNIT / Awarded by RTM Nagpur University	1998
Ph. D.	VNIT / Awarded by RTM Nagpur University	2004

- v. Work Experience (In years) : **34**  
vi. Teaching / Research / Industry Others

Teaching	Research	Industry	Others (As Principal)
<b>13</b>	<b>4</b>	<b>2</b>	<b>15</b>

- vii. Area of Specialization : **Environmental Engineering.**
- viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level :  
**Water and Wastewater Engineering, Hydraulics, Construction Management, Engineering Mechanics.**
- ix. Research guidance (Number of Students) : **06**
- x. No. of papers published in National / International Journals / Conferences :
- xi. Master (Completed / Ongoing) : **Completed**
- xii. Ph.D. (Completed / Ongoing) : **Completed**
- xiii. Projects Carried out : **Sponsored Projects : 03 Industry Projects : 11**
- xiv. Patents (Filed & Granted) : **Registered : 07 Awarded : 01**
- xv. Technology Transfer : **No. of projects on which the Technology is transferred in Industry or on Site : 04**
- xvi. Research Publications (No. of papers published in National / International Journals / Conferences) :  
**International Journals - 26 National Journals - 11**  
**International Conferences – 05 National Conferences - 09**
- xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) :

**Profile of Faculty :**

**Civil Engineering Department**

- i. Name : **Mr. Dipak Gopalrao Mangrulkar**  
**Assistant Professor in Civil Engineering**
- ii. Date of Birth : 11/11/1974
- iii. Unique ID : 1-3542731937
- iv. Educational Qualifications :

Degree	Institute / University	Year of Completion
BE (Civil Engg.)	Amaravati University	1997
M.Tech. (Env.Engg.)	Nagpur University	2011
Ph.D. Pursuing	Nagpur University	----

- v. Work Experience (In years) : **29**
- vi. Teaching / Research / Industry Others :

Teaching	Research	Industry others
19	---	10

- vii. Area of Specialization : **Environmental Engineering**
- viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level :  
**Engineering Mechanics, Strength of Material, Material Testing and Evaluation, Environmental Engineering-I and Environmental Engineering-II.**
- ix. Research guidance (Number of Students) : ----
- x. No. of papers published in National / International Journals / Conferences : **08**
- xi. Master (Completed / Ongoing) : **Completed**
- xii. Ph.D. (Completed / Ongoing) : **Ongoing**
- xiii. Projects Carried out : **Yes**
- xiv. Patents (Filed & Granted) : **NIL**
- xv. Technology Transfer : **NIL**
- xvi. Research Publications (No. of papers published in National / International Journals / Conferences) : **08**
- xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) :  
**Basics of Civil Engineering (TECHNOSCAN ISBN 978-81-89178-97-0)**

i. Name : **Dr. Vikas M. Thakur**  
**Assistant Professor in Civil Engineering**

ii. Date of Birth : 27/01/1984

iii. Unique ID : 1-2496708863

iv. Educational Qualifications :

Degree	Institute / University	Year of Completion
Ph.D.	Visvesvaraya National Institute of Technology, Nagpur	2020
M.Tech.	Ramdeobaba College of Engineering and Management, Nagpur	2009
MA (Psychology)	IGNOU	2015
B.E.	Ramdeobaba College of Engineering and Management, Nagpur	2006

v. Work Experience (In years) : **17**

vi. Teaching / Research / Industry Others :

Teaching	Research	Industry others
14 yrs	-	3 yrs

vii. Area of Specialization : **Structural Engineering (Tuned Mass Damper)**

viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level :

**Structural Analysis, Design of Steel structures, Engineering Mechanics, Introduction to earthquake engineering, Structural Audit, Design of RCC and pre-stressed structures Planning for sustainable development, Environmental engg., Hydrology.**

ix. Research guidance (Number of Students) : --

x. No. of papers published in National / International Journals / Conferences : **18**

xi. Master (Completed / Ongoing) : **01**

xii. Ph.D. (Completed / Ongoing) : **00**

xiii. Projects Carried out : **Consultancy projects : 110**

xiv. Patents (Filed & Granted) : **Nil**

xv. Technology Transfer : **Nil**

xvi. Research Publications (No. of papers published in National / International Journals / Conferences) : **18**

xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : **Nil**

- i. **Name** : **Mr. Amit V. Khandve**  
**Assistant Professor in Civil Engineering.**
- ii. **Date of Birth** : 11/11/1984
- iii. **Unique ID** : 1-4442478707
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
B. E.	R. T. M. Nagpur University	2006
M. B. A.	ICFAI University	2009
M. Tech.	R. T. M. Nagpur University	2012

- v. **Work Experience (In years)** : **19 Years**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
18.5	Nil	0.5

- vii. **Area of Specialization** : **Structural Engineering, Surveying**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** :  
**Structural Engineering, Surveying, Professional Practices, Project Management, Construction Management**
- ix. **Research guidance (Number of Students)** : **Nil**
- x. **No. of papers published in National / International Journals / Conferences** : **3**
- xi. **Master (Completed / Ongoing)** : **Completed**
- xii. **Ph.D. (Completed / Ongoing)** : **Ongoing**
- xiii. **Projects Carried out** : **Nil**
- xiv. **Patents (Filed & Granted)** : **Nil**
- xv. **Technology Transfer** : **Nil**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **04**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : **Nil**

i. **Name** : **Dr. Prathik Kulkarni**  
**Assistant Professor in Civil Engineering.**

ii. **Date of Birth** : 03-11-1990

iii. **Unique ID** : 1-7567018309

iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
PG-Diploma	IIT Bhubaneswar	2025
PG-Diploma	IIIT Nagpur	2024
Ph.D.	Pondicherry Central University	2021
M.Tech	JNTUH	2015
B.Tech	JNTUH	2012

v. **Work Experience (In years)** : **14**

vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
12	2.5	0.5

vii. **Area of Specialization** : **New materials in concrete, Structural Engineering**

viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Strength of Materials, Concrete Technology, Structural Mechanics – I and II, Engineering Mechanics, Basics of Civil & Mechanical, Engineering, Building Planning and Drawing, Open Channel Flow, Planning for Sustainable Development.**

ix. **Research guidance (Number of Students)** : **UG: 10**

x. **No. of papers published in National / International Journals / Conferences** : **12**

xi. **Master (Completed / Ongoing)** : Nil

xii. **Ph.D. (Completed / Ongoing)** : Nil

xiii. **Projects Carried out** : Nil

xiv. **Patents (Filed & Granted)** : **2 (Filed)**

xv. **Technology Transfer** : Nil

xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **7**

xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : **1**

**i. Name : Mr. Vikas P. Ravekar**  
**Assistant Professor in Civil Engineering.**

**ii. Date of Birth : 16/11/1990**

**iii. Unique ID : 1-4442478741**

**iv. Educational Qualifications :**

Degree	Institute / University	Year of Completion
PhD	Vishwaswaraiyya National Institute of Technology, Nagpur	Pursuing
M. Tech	Maulana Azad National Institute of Technology, Bhopal	2014
B. E.	Savitribai Fule University, Pune	2014

**v. Work Experience (In years) : 13**

**vi. Teaching / Research / Industry Others :**

Teaching	Research	Industry others
13	0	0

**vii. Area of Specialization : Transportation Engineering**

**viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : Basic Civil Engineering, Building Construction and Materials, Building Planning and Drawing, Engineering Geology, Planning for Sustainable Development, Transportation Engineering, Project Management, Infrastructure Engineering, Bridge Engineering.**

**ix. Research guidance (Number of Students) : Nil**

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

**xi. Master (Completed / Ongoing) : nil**

**xii. Ph.D. (Completed / Ongoing) : Nil**

**xiii. Projects Carried out : Nil**

**xiv. Patents (Filed & Granted) : Nil**

**xv. Technology Transfer : Nil**

**xvi. Research Publications (No. of papers published in National / International Journals / Conferences) : 10**

**xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : Nil**

- i. Name : **Dr. Harshad Phadke**  
**Assistant Professor in Civil Engineering**
- ii. Date of Birth : 18/02/1989
- iii. Unique ID : 1-9311174594
- iv. Educational Qualifications :

Degree	Institute / University	Year of Completion
Ph.D.	Visvesvaraya National Institute of Technology, Nagpur	2022
M.Tech.	Visvesvaraya National Institute of Technology, Nagpur	2014
B.Tech.	Yeshwantrao Chavan College of Engineering, Nagpur	2011

- v. Work Experience (In years) : **11**
- vi. Teaching / Research / Industry Others :

Teaching	Research	Industry others
6	5	-

- vii. Area of Specialization : **Structural Engineering, Structural Dynamics, Seismic Analysis**
- viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level :
- Design of RC Structures
  - Design of RC and Prestressed Concrete Structures
  - Introduction to Earthquake Engineering
  - Software Application in Civil Engineering
  - Engineering Mechanics
  - Basics of Civil and Mechanical Engineering
  - Introduction to Etabs (Add-on)
- ix. Research guidance (Number of Students) : -
- x. No. of papers published in National / International Journals / Conferences: **7**
- xi. Master (Completed / Ongoing) : -
- xii. Ph.D. (Completed / Ongoing) : -
- xiii. Projects Carried out : -
- xiv. Patents (Filed & Granted) : -
- xv. Technology Transfer : -
- xvi. Research Publications (No. of papers published in National / International Journals / Conferences) : **7**
- xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : -

- i. **Name** : **Dr. Aditya P. Nilawar**  
**Assistant Professor in Civil Engineering.**
- ii. **Date of Birth** : 21/06/1989
- iii. **Unique ID** : 1-9319444234
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
B.E.	MGM College of Engineering, Nanded	2011
M.Tech.	SGGS IE&T, Nanded	2014
Ph.D	SGGS IE&T, Nanded	2020

- v. **Work Experience (In years)** : **12**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
6	6	--

- vii. **Area of Specialization** : **Water Resource Engineering**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** :
- ix. **Research guidance (Number of Students)** :
- x. **No. of papers published in National / International Journals / Conferences** : **10**
- xi. **Master (Completed / Ongoing)** : **06**
- xii. **Ph.D. (Completed / Ongoing)** : **Nil**
- xiii. **Projects Carried out**: **Worked on a research project titled “Validation and Application of Satellite Soil Moisture Data for Operational Flood Monitoring” at the NOAA-CREST Institute, The City University of New York, USA.**
- xiv. **Patents (Filed & Granted)** :
- xv. **Technology Transfer** :
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **10**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : **“Hydro-Geomorphological Study of Watershed Using RS and GIS Approach” Lambert Academic Publishing, ISBN (978-620-2-00556-2)**

- i. **Name** : **Mrs. (Dr.) Nisha S. Thakur**  
**Assistant Professor in Civil Engineering**
- ii. **Date of Birth** : **July 03, 1977**
- iii. **Unique ID** : **1-11326841423**
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph.D.	Nagpur University	December 2023
M.E.	PRMITR, Badnera, Amravati	May 2013
B.E.	PRMITR, Badnera, Amravati	July 2000

- v. **Work Experience (In years)** : **23**
- vi. **Teaching / Research / Industry Others** :
- | <b>Teaching</b> | <b>Research</b> | <b>Industry others</b> |
|-----------------|-----------------|------------------------|
| 18              | –               | 05                     |
- vii. **Area of Specialization** : **Structural Engineering**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **BCE, EM, EGD, SOM, RCC, BC&M, CT, E&C, SA-I, SA-II, DSS, PCM**
- ix. **Research guidance (Number of Students)** : **Nil**
- x. **No. of papers published in National / International Journals / Conferences** : **17**
- xi. **Master (Completed / Ongoing)** : **Completed in 2013**
- xii. **Ph.D. (Completed / Ongoing)** : **Completed in 2023**
- xiii. **Projects Carried out** : **3<sup>rd</sup> Party Consultancy works of Concrete Mix Design, Cement Testing, Concrete Cube and HYSD Bars Testing, Non Destructive Test, etc. for Irrigation Department and Municipal Corporation Wardha. Well point locations based on Electrical Resistivity Test (60 points located in and around Wardha)**
- xiv. **Patents (Filed & Granted)** : **02**
- xv. **Technology Transfer** : **Nil**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **17**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : **Nil**

- i. **Name** : **Dr. Ram S. Wanare**  
**Assistant Professor in Civil Engineering**
- ii. **Date of Birth** : 13<sup>th</sup> August 1990
- iii. **Unique ID** : 1-43458548550
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Diploma in Civil Engineering	Government Polytechnic Amravati, An Autonomous Institute of Government of Maharashtra	2009
Bachelor's in Civil Engineering	Prof. Ram Meghe Institute of Technology and Research, Badnera.	2012
Masters in Geotechnical Engineering	Government collage of Engineering, Amravati	2014
Doctor of Philosophy (Geotechnical Engineering)	Institute of Infrastructure, Technology, Research and Management, Ahmedabad (IITRAM Ahmedabad)	2023

- v. **Work Experience (In years)** : **12**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
7.5	4.5	Nil

- vii. **Area of Specialization** : **Geotechnical Engineering**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level**: **Geotechnical Engineering, Foundation Engineering, Water Resource Engineering, Engineering Geology, Construction Techniques, Professional Practices, Basics in Civil and Mechanical Engineering.**
- ix. **Research guidance (Number of Students)** : Nil
- x. **No. of papers published in National / International Journals / Conferences** : **16**
- xi. **Master (Completed / Ongoing)** : **Nil**
- xii. **Ph.D. (Completed / Ongoing)** : **Nil**
- xiii. **Projects Carried out** : **03 (B.Tech.)**
- xiv. **Patents (Filed & Granted)** : **02 (Utility Patent) 01 (Design Patent)**
- xv. **Technology Transfer** : Nil
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **16**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : **Nil**

- i. **Name** : **Mr. Nitin N. Ghode**  
**Assistant Professor in Physical Education.**
- ii. **Date of Birth** : 05.07.1986
- iii. **Unique ID** : 1-44735028296
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
M.P.Ed.	R.T.M. Nagpur University, Nagpur	2019
B.P.Ed.	R.T.M. Nagpur University, Nagpur	2012
B.A	Y.C.M.O. University, Nashik	2011

- v. **Work Experience (In years)** : **1.5**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
1.5 years	-	14 Years (School)

- vii. **Area of Specialization** : **Physical Education and Sports**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Yoga Education**
- ix. **Research guidance (Number of Students)** : **Nil**
- x. **No. of papers published in National / International Journals / Conferences** : **01**
- xi. **Master (Completed / Ongoing)** : **Completed (M.P.Ed.)**
- xii. **Ph.D. (Completed / Ongoing)** : **Ongoing**
- xiii. **Projects Carried out** : **Nil**
- xiv. **Patents (Filed & Granted)** : **Nil**
- xv. **Technology Transfer** : **Nil**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : -
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : **Nil**

- i. **Name** : **Ms. Shraddha Kumari Agrawal**  
**Assistant Professor in Humanities and Management.**
- ii. **Date of Birth** : 20/06/1991
- iii. **Unique ID** : 1-47556195892
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
P.G. Diploma in Forest Mgmt.	IIFM, Bhopal	2017
B.Tech.	Punjab Technical University, Chandigarh	2014

- v. **Work Experience (In years)** : **7 Years**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
0.6	---	07

- vii. **Area of Specialization** : **Electronics & Communication.**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** :
- ix. **Research guidance (Number of Students)** : **Nil**
- x. **No. of papers published in National / International Journals / Conferences** :
- xi. **Master (Completed / Ongoing)** : **Nil**
- xii. **Ph.D. (Completed / Ongoing)** : **Nil**
- xiii. **Projects Carried out** : **Industrial Projects : 01**
- xiv. **Patents (Filed & Granted)** : **Nil**
- xv. **Technology Transfer** : **Nil**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** :
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** :

### Computer Engineering Department :

i. Name : **Prof. Sheetal Kale**  
**Professor in Computer Engineering**

ii. Date of Birth : 26th February 1974

iii. Unique ID : 1-9490064655

iv. Educational Qualifications :

Degree	Institute / University	Year of Completion
M.E.	G H Rasoni University	2019
B.E.	SGB Amravati University	1995

v. Work Experience (In years) : **26.5**

vi. Teaching / Research / Industry Others:

Teaching	Research	Industry others
7.5	-	19

vii. Area of Specialization : **Digital Transformation ,Legacy Modernization, End to End Solution Design, Application Architecture and Design and Application Programming,**

viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level :

ix. Research guidance (Number of Students) : **Nil**

x. No. of papers published in National / International Journals / Conferences : **2**

xi. Master (Completed / Ongoing) : **Completed**

xii. Ph.D. (Completed / Ongoing) : **NA**

xiii. Projects Carried out : **Industry – 37 , Consultancy – 2**

xiv. Patents (Filed & Granted) : **Nil**

xv. Technology Transfer : **Nil**

xvi. Research Publications (No. of papers published in National / International Journals / Conferences) : **02**

xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : **Nil**

- i. **Name** : **Mr. Abhishek Kinhekar**  
**Assistant Professor in Computer Engineering**
- ii. **Date of Birth** : 27-08-1986
- iii. **Unique ID** : 1-4442478656
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph.D.	SGBAU Amravati University	Pursuing
M. Tech.	R G P V, Bhopal	2015
B. E.	R T M Nagpur University	2009

- v. **Work Experience (In years)** : **16**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
15.5	---	0.5

- vii. **Area of Specialization** : **Computer Science and Engg.**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Under Graduate**
- ix. **Research guidance (Number of Students)** : **Nil**
- x. **No. of papers published in National / International Journals / Conferences** : **07**
- xi. **Master (Completed / Ongoing)** : **Completed**
- xii. **Ph.D. (Completed / Ongoing)** : **Ongoing**
- xiii. **Projects Carried out** : **01**
- xiv. **Patents (Filed & Granted)** : **Nil**
- xv. **Technology Transfer** : **Nil**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **07**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : **Nil**

- i. **Name** : **Mr. Sandesh D. Jain**  
**Assistant Professor in Computer Engineering**
- ii. **Date of Birth** : 24/06/1990
- iii. **Unique ID** : 1-7354648607
- iv. **Educational Qualifications:**

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
PhD.	VNIT, Nagpur	Pursuing
M. Tech	Shivaji University, Kolhapur	2015
B. Tech	North Maharashtra University, Jalgaon	2012

- v. **Work Experience (In years) : 11**
- vi. **Teaching / Research / Industry Others:**

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
11	-	-

- vii. **Area of Specialization : Computer Science & Technology**
- viii. **Courses taught at Under Graduate Level: Internet of Things, Machine Learning, Theory of Computation, Operating System, Deep Learning, Digital Logic Design & Microprocessor.**
- ix. **Research guidance (Number of Students) : Nil**
- x. **No. of papers published in National / International Journals / Conferences : 01**
- xi. **Master (Completed / Ongoing) : Completed**
- xii. **Ph.D. (Completed / Ongoing) : Ongoing**
- xiii. **Projects Carried out : Nil**
- xiv. **Patents (Filed & Granted): Granted : 01**
- xv. **Technology Transfer : Nil**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences): International Journals : 01**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : Nil**

- i. Name : Mrs. Urvashi N. Pote**  
**Assistant Professor in Computer Engineering**
- ii. Date of Birth : 16/02/1978**
- iii. Unique ID :**
- iv. Educational Qualifications :**

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
M.TECH	Nuva Engineering College, Nagpur University	2019
B.TECH	Govt. College Of Engineering, Amravati University	2000

- v. Work Experience (In years) : 11 Years**
- vi. Teaching / Research / Industry Others :**

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
11	---	---

- vii. Area of Specialization : Database, Networking**
- viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level :**  
**Computer Organization And Architecture, Databse Systems, Computer Networks, Cryptography And Network security.**
- ix. Research guidance (Number of Students) : NIL**
- x. No. of papers published in National / International Journals / Conferences : NIL**
- xi. Master (Completed / Ongoing) : Completed**
- xii. Ph.D. (Completed / Ongoing) : NIL**
- xiii. Projects Carried out : NIL**
- xiv. Patents (Filed & Granted) : NIL**
- xv. Technology Transfer : NIL**
- xvi. Research Publications (No. of papers published in National / International Journals / Conferences) : NIL**
- xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : NIL**

i. **Name** : **Dr. Amol S. Jumde**  
**Assistant Professor in Computer Engineering**

ii. **Date of Birth** : 04/11/1989

iii. **Unique ID** : 1-7354826710

iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph.D.	Visvesvaraya National Institute of Technology, Nagpur	2025
M. Tech.	Walchand College of Engineering, Sangli	2015
B. Tech.	Government College of Engineering, Amravati	2011

v. **Work Experience (In years)** : **13 Years**

vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
9 Yr	3 Yr	1 Yr

vii. **Area of Specialization** : **Artificial Intelligence, Machine Learning, Image Processing**

viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Artificial Intelligence, Machine Learning, Digital Image Processing, Object-oriented Programming in Java, Programming in C**

ix. **Research guidance (Number of Students)** : **Nil**

x. **No. of papers published in National / International Journals / Conferences** : **05**

xi. **Master (Completed / Ongoing)** : **Completed**

xii. **Ph.D. (Completed / Ongoing)** : **Completed**

xiii. **Projects Carried out** : **Nil**

xiv. **Patents (Filed & Granted)** : **Nil**

xv. **Technology Transfer** : **Nil**

xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **SCIE Journal = 02, IEEE International Conferences = 02, Book Chapter = 01.**

xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : **Nil.**

i. Name : **Mr. Akshay D. Saraf**  
**Assistant Professor in Computer Engineering**

ii. Date of Birth : 13/01/1989

iii. Unique ID : 1-43363741776

iv. Educational Qualifications:

Degree	Institute / University	Year of Completion
B.E	YCCE Nagpur University	2010
M. Tech	PIET, Nagpur University	2013

v. Work Experience (In years): **15 Years**

vi. Teaching / Research / Industry Others :

Teaching	Research	Industry others
12	3	---

vii. Area of Specialization:

**Natural Language Processing, Machine Learning, Cloud Computing**

viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level :

**Cloud computing, Java Programming, Theory of Computation**

ix. Research guidance (Number of Students) :

x. No. of papers published in National / International Journals / Conferences :

International Journal : **03**

xi. Master (Completed / Ongoing) : **Completed**

xii. Ph.D. (Completed / Ongoing) :

xiii. Projects Carried out :

xiv. Patents (Filed & Granted) :

xv. Technology Transfer :

xvi. Research Publications (No. of papers published in National / International Journals / Conferences) :

xvii. National Conference : **01**

xviii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) :

- i. **Name** : **Mr. Ajay Kumar Sahu**  
**Assistant Professor in Computer Engineering**
- ii. **Date of Birth** : 27/08/1989
- iii. **Unique ID** : 1-43356421327
- iv. **Educational Qualifications:**

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
BE	CSVTU, Bhilai	2012
M.Tech	NIT Durgapur	2016
PhD	VNIT Nagpur	Pursuing

- v. **Work Experience (In years): 8.5**
- vi. **Teaching / Research / Industry Others :**

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
5	3.5	0

- vii. **Area of Specialization : Computer Science**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : Under Graduate**
- ix. **Research guidance (Number of Students) : --**
- x. **No. of papers published in National / International Journals / Conferences : 4**
- xi. **Master (Completed / Ongoing) : Completed**
- xii. **Ph.D. (Completed / Ongoing) : Ongoing**
- xiii. **Projects Carried out: --**
- xiv. **Patents (Filed & Granted) : 2**
- xv. **Technology Transfer: --**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences) : 4**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.):**

a) **Book Name: Parallel and High-Performance Computing in Artificial Intelligence,**  
**Chapter 17: Advancing High-Performance Computing for AI in the Era of Large-Scale Models.**  
 Publisher: Taylor & Francis Group (Imprint: Auerbach Publications),  
 eBook ISBN: 9781003425458,  
 DOI: <https://doi.org/10.1201/9781003425458> ,  
 eBook Published: 20 May 2025

- i. **Name** : **Mr. Aihtesham N. Kazi**  
**Assistant Professor in Computer Engineering**
- ii. **Date of Birth** : 20 June 1983
- iii. **Unique ID** : 1-2282287855
- iv. **Educational Qualifications:**

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph.D.	Sant Gadge Baba Amravati University	Pursuing
M.E.	Baba Saheb Naik College of Engineering, Pusad	2013
B.E.	Jawaharlal Darda Institute of Engineering & Technology, Yavatmal	2007

- v. **Work Experience (In years) : 16**
- vi. **Teaching / Research / Industry Others :**

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
16	Nil	Nil

- vii. **Area of Specialization : Distributed Computing**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : Operating Systems, File Structure, C Programming, Web Technology, Data Structure, Compiler Design, OOP, Big Data Analytics, DBMS, Computer Networks.**
- ix. **Research guidance (Number of Students) : Nil**
- x. **No. of papers published in National / International Journals / Conferences : 6**
- xi. **Master (Completed / Ongoing) : Completed**
- xii. **Ph.D. (Completed / Ongoing) : Ongoing**
- xiii. **Projects Carried out : Nil**
- xiv. **Patents (Filed & Granted) : Nil**
- xv. **Technology Transfer : Nil**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences) : 8**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : Nil**

- i. **Name** : **Dr. Vikas R. Palekar**  
**Assistant Professor in Computer Engineering**
- ii. **Date of Birth** : 17/04/1983
- iii. **Unique ID** : 1-43611229023
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph.D.	Vellore Institute of Technology, Bhopal, Madhya Pradesh	2025
M.E.	Prof. Ram Meghe College of Engineering Technology and Research – Badnera (SGBAU Amaravati)	2012
B.E.	Shri Guru Gobind Singhji Institute of Engineering Technology and Research, - Nanded (SRTMNU, Nanded)	2007

- v. **Work Experience (In years)** : **18**
- vi. **Teaching / Research / Industry Others** : 18

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
18	---	---

- vii. **Area of Specialization** : **Machine Learning, Image Annotation, Deep learning**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Machine Learning, Human Computer Interaction, Distributed Operating system, TCP/IP, System Programming, Data ware house and mining, Artificial Intelligence and Computer Architecture and Organization, Unix and Shell Programming, Object Oriented Programming, Operating System**
- ix. **Research guidance (Number of Students)** : **Nil**
- x. **No. of papers published in National / International Journals / Conferences** : **12**
- xi. **Master (Completed / Ongoing)** : **Completed**
- xii. **Ph.D. (Completed / Ongoing)** : **Completed**
- xiii. **Projects Carried out** : **Nil**
- xiv. **Patents (Filed & Granted)** : **1**
- xv. **Technology Transfer** : **Nil**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **12**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : **Nil**

- i. **Name** : **Mr. Gajanan N. Tikhe**  
**Assistant Professor in Computer Engineering**
- ii. **Date of Birth** : 08/07/1982
- iii. **Unique ID** : 1-43611228974
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph.D.	Vellore Institute of Technology, Bhopal University	Pursuing
M. Tech.	SIRT, Bhopal / RGTU Bhopal	2012
B.E.	KITS, Ramtek, / RTMNU, Nagpur	2007

- v. **Work Experience (In years)** :
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
18.5 Years	-	-

- vii. **Area of Specialization:** Computer Science
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Computer Networks, Compiler Design, Theory of Computation, Database Management System, Computer Architecture & Organization, Data Communication, Operating System, “C” Programming, Digital Electronics etc.**
- ix. **Research guidance (Number of Students)** : -
- x. **No. of papers published in National / International Journals / Conferences** : **18**
- xi. **Master (Completed / Ongoing)** :
- xii. **Ph.D. (Completed / Ongoing)** :
- xiii. **Projects Carried out** :
- xiv. **Patents (Filed & Granted)** : **02**
- xv. **Technology Transfer** :
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **18**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** :

- i. Name : **Mrs. Sheetal P. Arvikar**  
**Assistant Professor in Computer Engineering**
- ii. Date of Birth : 29 March 1987
- iii. Unique ID : 1-10550002582
- iv. Educational Qualifications :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph.D.	Vellore Institute of Technology (VIT)	2026 (Perusing)
M. Tech (CSE)	Rashtrasant Tukadoji Maharaj Nagpur (RTMNU)	2016
B.E. (IT)	Rashtrasant Tukadoji Maharaj Nagpur (RTMNU)	2009

- v. Work Experience (In years) : **16**
- vi. Teaching / Research / Industry Others :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
16	0	0

- vii. Area of Specialization : **Deep Learning, Machine Learning, Computer Vision**
- viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : **Data Structures, Digital Electronics, Computer Graphics, Machine Learning, Python Programming, Visual Techniques, Communication Engineering, Digital Signal Processing etc.**
- ix. Research guidance (Number of Students) : **NIL**
- x. No. of papers published in National /International Journals/Conferences : **11**
- xi. Master (Completed / Ongoing) : **Completed**
- xii. Ph.D. (Completed / Ongoing) : **Ongoing**
- xiii. Projects Carried out : **NIL**
- xiv. Patents (Filed & Granted) : **1**
- xv. Technology Transfer : **NIL**
- xvi. Research Publications (No. of papers published in National / International Journals / Conferences) : **2**
- xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : **NIL**

- i. Name : Mr. Sunny G. Gandhi**  
**Assistant Professor in Computer Engineering**
- ii. Date of Birth : 09/11/1987**
- iii. Unique ID : 1-11339347136**
- iv. Educational Qualifications :**

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
M. Tech	BDCOE/RTMNU	2016
B.E	BDCOE/RTMNU	2011

- v. Work Experience (In years) : 15**
- vi. Teaching / Research / Industry Others :**

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
14	--	9 Months

- vii. Area of Specialization : Image Processing**
- viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level :**

- Development Engineering
- Human Computer Interaction
- Entrepreneurship Development and Business Ethics
- Communication Skills and Personality Development
- Electronic Commerce & Enterprise Resource Planning
- Industrial Economics & Entrepreneurship Development
- Multimedia System
- Ethics in Information Technology
- Visual Technique
- Computer Graphics
- Programming Language “C”
- Gaming Architecture & Programming
- Operating System
- Data Mining
- Principles of Data Science
- Software Testing & Quality Assurance
- Digital Computer Fundamentals

- ix. Research guidance (Number of Students) : Nil**
- x. No. of papers published in National / International Journals / Conferences : 19**
- xi. Master (Completed / Ongoing) : Completed**
- xii. Ph.D. (Completed / Ongoing) : Nil**
- xiii. Projects Carried out : Nil**
- xiv. Patents (Filed & Granted) : Nil**
- xv. Technology Transfer : Nil**
- xvi. Research Publications (No. of papers published in National / International Journals / Conferences) :**  
 International Journals : 09, International Conference : 06, National Conference: 04
- xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : Nil**

- i. Name : Mrs. Kinjal N. Patel**  
**Assistant Professor in Computer Engineering**
- ii. Date of Birth : 11<sup>th</sup> September 1993**
- iii. Unique ID : 1-43356347179**
- iv. Educational Qualifications :**

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
M.E. (Comp. Engg.)	Gujarat Technological University	2016
B.E. (Comp. Engg. )	Gujarat Technological University	2014

- v. Work Experience (In years): 3.25 years**
- vi. Teaching / Research / Industry Others :**

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
3.25 yrs.	---	---

- vii. Area of Specialization : Computer Networks**
- viii. Courses taught at Undergraduate:**
- Programming for Problem Solving
  - Data Structures
  - Design and Analysis of Algorithms
- ix. Research guidance (Number of Students) : Nil**
- x. No. of papers published in National Conferences : 1**
- xi. Master (Completed / Ongoing) : Completed**
- xii. Ph.D. (Completed / Ongoing) : NA**
- xiii. Projects Carried out : Nil**
- xiv. Patents (Filed & Granted) : Nil**
- xv. Technology Transfer : Nil**
- xvi. Research Publications (No. of papers published in National / International Journals / Conferences) : 1**
- xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : Nil**

- i. **Name** : **Ms. Nivedita W. Wasankar**  
**Assistant Professor in Computer Engineering**
- ii. **Date of Birth** : 5th January 1995
- iii. **Unique ID** : 1-10609875644
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
M. Tech	Government College of Engineering, Amravati.	2018
B.E.	SIPNA, COET, Amravati.	2016

- v. **Work Experience (In years)** : **6 Years**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
6	---	---

- vii. **Area of Specialization** : **Cloud Security**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Operating System, Business Intelligence, Discrete Structure & Graph Theory, Design and Analysis of Algorithms, File Structure and Data Processing, Assembly Language Programming, Software Testing and Quality Assurance, Geographic Information System, Data Warehousing and Mining, Software Engineering, C Programming**
- ix. **Research guidance (Number of Students)** : **Nil**
- x. **No. of papers published in National / International Journals / Conferences** : **8**
- xi. **Master (Completed / Ongoing)** : **Completed**
- xii. **Ph.D. (Completed / Ongoing)** : **Nil**
- xiii. **Projects Carried out** : **Nil**
- xiv. **Patents (Filed & Granted)** : **Nil**
- xv. **Technology Transfer** : **Nil**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **International Journals: 04 International Conferences: 03 National Conferences: 01**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : **Nil**

- i. **Name** : **Mrs. Anamika Pandey**  
**Assistant Professor in Computer Engineering**
- ii. **Date of Birth** : 23-03-1994
- iii. **Unique ID** : 1-44450176777
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
M. Tech.	RTMNU Nagpur	2021
BE	RGPV Bhopal	2015

- v. **Work Experience (In years)** : **5.5**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
1.5	-	4

- vii. **Area of Specialization** : **DBMS, Data warehousing, OOPS Programming(Java), ETL, Web Development**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **OOPs in Java, Data Analytics, C programming, Web Development (HTML, CSS, JavaScript, PHP, JSON)**
- ix. **Research guidance (Number of Students)** : **NIL**
- x. **No. of papers published in National /International Journals / Conferences** : **4**
- xi. **Master (Completed / Ongoing)** : **Completed**
- xii. **Ph.D. (Completed / Ongoing)** : **Not Enrolled**
- xiii. **Projects Carried out** : **NIL**
- xiv. **Patents (Filed & Granted)** : **NIL**
- xv. **Technology Transfer** : **NIL**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **1**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : **NIL**

**xviii. Name : Mr. Anand Kale**  
**Professor in Humanities and Management.**

**xix. Date of Birth : 20/10/1970**

**xx. Unique ID : 1-9478992668**

**xxi. Educational Qualifications :**

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
B.E.	Govt. College of Engg., Amravati	1993
PGDM (MBA)	S.P.Jain Insti. of Management & Research	2001

**xxii. Work Experience (In years) : 25 Years**

**xxiii. Teaching / Research / Industry Others :**

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
05	---	20

**xxiv. Area of Specialization : Manufacturing and Operations**

**xxv. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : Strategic Management, Soft Skills Development, Operations Research, Industrial**

**xxvi. Research guidance (Number of Students) : Nil**

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

**xxviii. Master (Completed / Ongoing) : Nil**

**xxix. Ph.D. (Completed / Ongoing) : Nil**

**xxx. Projects Carried out : Industrial Projects : 07**

**xxxi. Patents (Filed & Granted) : Nil**

**xxxii. Technology Transfer : Nil**

**xxxiii. Research Publications (No. of papers published in National / International Journals / Conferences) :**

**xxxiv. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) :**

- i. Name : Mr. Shyam D. Bhadade**  
**Associate Professor in Mathematics**
- ii. Date of Birth : 31.10.1972**
- iii. Unique ID : 1-7437767891**
- iv. Educational Qualifications :**

Degree	Institute / University	Year of Completion
B.Sc.	D.B.Science College, Gondia	1995
M.Sc.	Institute Of Science, Nagpur	1997
SET	Savitribai Phule Pune University, Pune	2023

- v. Work Experience (In years) : 27 Years**
- vi. Teaching / Research / Industry Others :**

Teaching	Research	Industry others
27	-	-

- vii. Area of Specialization : Commutative Algebra**
- viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : 1. Engineering Mathematics-I,II,III, DMGT**
- ix. Research guidance (Number of Students) : Nil**
- x. No. of papers published in National / International Journals / Conferences : Nil**
- xi. Master (Completed / Ongoing) : Completed**
- xii. Ph.D. (Completed / Ongoing) : Completed**
- xiii. Projects Carried out : Nil**
- xiv. Patents (Filed & Granted) : Nil**
- xv. Technology Transfer : Nil**
- xvi. Research Publications (No. of papers published in National / International Journals / Conferences) : Nil**
- xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : Nil**

- i. **Name** : **Dr. Vijay M. Deshmukh**  
**Associate Professor in Physics**
- ii. **Date of Birth** : 14 Oct 1975
- iii. **Unique ID** : 1-3542657687
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
M.Sc.	Amravati University, Amravati	2001
B.Ed.	Amravati University, Amravati	1999
M.Tech.	Devi Ahilya University, Indore	2005
Ph.D.	Inha University, Incheon	2012

- v. **Work Experience (In years) : 18.5 years**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
16	1.5	01

- vii. **Area of Specialization : Physics**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** :
- **Engineering Physics**
  - **Engineering Material Science**
- ix. **Research guidance (Number of Students) : Nil**
- x. **No. of papers published in National / International Journals / Conferences : 07**
- xi. **Master (Completed / Ongoing) : Nil**
- xii. **Ph.D. (Completed / Ongoing) : Nil**
- xiii. **Projects Carried out : Nil**
- xiv. **Patents (Filed & Granted) : Nil**
- xv. **Technology Transfer : Nil**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences) : 07**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : 01**  
**भौतिक शास्त्र – ओळख विद्युत चुंबकीय सिद्धांताची**  
**Khanna Book Publishing Co. (P) Ltd.**  
**ISBN 9355380291 January 2022**

- i. **Name** : **Dr. Vivek Bhusari**  
**Associate Professor in Computer Engineering**
- ii. **Date of Birth** : 03<sup>rd</sup> December 1971
- iii. **Unique ID** : 1-4442478578
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph.D.	NEERI-RTMNU, Nagpur	2017
B. Ed.	RTMNU Nagpur (Nagpur University)	1996
M. Sc	BAMU Aurangabad (Marathwada University)	1994
B. Sc	BAMU Aurangabad (Marathwada University)	1992

- v. **Work Experience (In years)** : **30 Years**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
28	05	02

- vii. **Area of Specialization** : **Industrial Chemistry, Material and Nanomaterials**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** :

**Under Graduate (UG) : Engineering Chemistry, Energy and Environment Engineering, Environmental Science.**

- ix. **Research guidance (Number of Students)** : **Nil**
- x. **No. of papers published in National / International Journals / Conferences** :
- International Journals : 08, International Conference : 07, National Conference : 11
- xi. **Master (Completed / Ongoing)** : **05**
- xii. **Ph.D. (Completed / Ongoing)** : **Nil**
- xiii. **Projects Carried out** : **Sponsored by UBA etc.: 01**
- xiv. **Patents (Filed & Granted)** : **Nil**
- xv. **Technology Transfer** : **Nil**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** :
- International Journals : 08, International Conference : 07, National Conference : 11
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** :
- 01 (Book Chapter)

- i. **Name** : **Dr. Naina Jagyasi**  
**Assistant Professor in English Communication Skills**
- ii. **Date of Birth** : 09.04.1986
- iii. **Unique ID** : 1-43363641814
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph.D ( English Literature)	Gondwana University	2023
MA English Literature	RTM Nagpur University	2015
BA LLB	RTM Nagpur University	2010

- v. **Work Experience (In years)** :
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
13		6

- vii. **Area of Specialization** : **English Literature & Language, Communication skills**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Communication skills, BHR, Business Communication, Functional English, Social Science, Constitution of India, Universal Human Values**
- ix. **Research guidance (Number of Students)** : **Nil**
- x. **No. of papers published in National / International Journals / Conferences** : **7**
- xi. **Master (Completed / Ongoing)** : **NA**
- xii. **Ph.D. (Completed / Ongoing)** : **NA**
- xiii. **Projects Carried out** : **Nil**
- xiv. **Patents (Filed & Granted)** : **Nil**
- xv. **Technology Transfer** : **NA**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **7**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : **Nil**

- i. **Name** : **Mr. Abhijeet Dehadrai**  
**Assistant Professor in Humanities and Social Sciences.**
- ii. **Date of Birth** : 27<sup>th</sup> May 1984
- iii. **Unique ID** : 1-11332794642
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
B.Com.	RTM Nagpur University	2006
LLB	RTM Nagpur University	2021
MBA	RTM Nagpur University	2023

- v. **Work Experience (In years)** :
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
09	Nil	07

- vii. **Area of Specialization** : **Soft Skills, Law, Commerce and Management**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Design Thinking, Economics & Management, Consumer Behavior, Employability & Skill Development, Basic Human Rights, Indian Constitution, Soft-Skills Development, Integrated Personality Development, Indian Knowledge System - Indian Astronomy**
- ix. **Research guidance (Number of Students)** : **Not Applicable**
- x. **No. of papers published in National / International Journals / Conferences** :
- xi. **Master (Completed / Ongoing)** : **MBA (Completed)**
- xii. **Ph.D. (Completed / Ongoing)** : **Nil**
- xiii. **Projects Carried out** : **Nil**
- xiv. **Patents (Filed & Granted)** : **Nil**
- xv. **Technology Transfer** : **Nil**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **Nil**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : **Nil**

- i. **Name** : **Mrs. Ujwala D. Zade**  
**Assistant Professor in Humanities and Social Sciences**
- ii. **Date of Birth** : 04-11-1977
- iii. **Unique ID** : 1-44626667224
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Diploma in Electrical Engineering	Government Polytechnic Nagpur	1999
B. A.	Nagpur University	2003
B.Ed	Nagpur University	2007
M. A.	YCMOU	2022

- v. **Work Experience (In years) : 24 years**
- vi. **Teaching / Research / Industry Others** :Teaching

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
24 years		

- vii. **Area of Specialization : English Literature**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : Universal Human Values II, Indian Constitution**
- ix. **Research guidance (Number of Students): Guided 8 students for Hackathon**
- x. **No. of papers published in National / International Journals / Conferences :**
- xi. **Master (Completed / Ongoing) : Completed**
- xii. **Ph.D. (Completed / Ongoing) : NA**
- xiii. **Projects Carried out : NA**
- xiv. **Patents (Filed & Granted) : NA**
- xv. **Technology Transfer :NA**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences) : NA**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : NA**

- i. **Name** : **Ms. Amruta N. Yadao**  
**Assistant Professor in Chemistry**
- ii. **Date of Birth** : 04<sup>th</sup> August 1997
- iii. **Unique ID** : 1-11046158461
- iv. **Educational Qualifications:**

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
B. Ed	Rashtrasant Tukdoji Maharaj Nagpur University	2023
M.Sc.	Bajaj College of Science Wardha, RTMNU	2020
B.Sc.	Bajaj College of Science Wardha, RTMNU	2018

- v. **Work Experience (In years):** 05 Years
- vi. **Teaching / Research / Industry Others :**

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
5 Years		

- vii. **Area of Specialization :** **Organic Chemistry**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level :** **1) Engineering Chemistry 2) Energy and Environmental Engineering**
- ix. **Research guidance (Number of Students) :** **NA**
- x. **No. of papers published in National / International Journals / Conferences :** **NA**
- xi. **Master (Completed / Ongoing) :** **NA**
- xii. **Ph.D. (Completed / Ongoing) :** **NA**
- xiii. **Projects Carried out :** **NA**
- xiv. **Patents (Filed & Granted) :** **NA**
- xv. **Technology Transfer :** **NA**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences) :** **NA**
- No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) :** **NA**

- i. **Name** : **Mr. Rushikesh S. Pradhan**  
**Assistant Professor in Mathematics.**
- ii. **Date of Birth** : 03/10/1997
- iii. **Unique ID** : 1-44719281981
- iv. **Educational Qualifications :**

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
B.Sc. Mathematics	Fergusson College, Pune	2018
M.Sc. Mathematics	Department of mathematics, Savitribai Phule Pune University, Pune	2020
SET	Savitribai Phule Pune University, Pune	2021
GATE	IIT Kharagpur	2022

- v. **Work Experience (In years) : 5**
- vi. **Teaching / Research / Industry Others :**

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
5	3	

- vii. **Area of Specialization : Graph Theory and Abstract Algebra**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : Engineering Mathematics – I , Engineering Mathematics – II, Engineering Mathematics – III, Probability and Statistics, Real Analysis, Numerical Analysis, Operations Research , Linear algebra**
- ix. **Research guidance (Number of Students) : -**
- x. **No. of papers published in National / International Journals / Conferences : 03**
- xi. **Master (Completed / Ongoing) : Completed**
- xii. **Ph.D. (Completed / Ongoing) : Ongoing**
- xiii. **Projects Carried out :**
- xiv. **Patents (Filed & Granted) :**
- xv. **Technology Transfer :**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences) : 03**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : -**

**Electrical Engineering Department :**

**i. Name : Dr. Harshit Dalvi  
Professor in Electrical Engineering.**

**ii. Date of Birth : 22<sup>nd</sup> January 1974**

**iii. Unique ID : 1-4442478612**

**iv. Educational Qualifications :**

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
B.E.	Nagpur	1997
M.E.	GCOE, Amravati	2003
Ph.D.	Nagpur	2019

**v. Work Experience (In years) : 28 Years**

**vi. Teaching / Research / Industry Others :**

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
28 Years	---	01 Year

**vii. Area of Specialization : Power System /Renewable Energy Sources**

**viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : Power System, Basic Electrical Engineering, Energy Audit, Renewable Energy Sources, Electrical Installation and Estimation.**

**ix. Research guidance (Number of Students) :**

**x. No. of papers published in National / International Journals / Conferences : 20**

**xi. Master (Completed / Ongoing) : Completed**

**xii. Ph.D. (Completed / Ongoing) : Completed**

**xiii. Projects Carried out : 01 (As a Consultancy Project in CDCC Bank , Chandrapur)**

**xiv. Patents (Filed & Granted) : 02 -(Granted) 02 - Design Registration (Granted)  
Technology Transfer : 01**

**xv. Research Publications (No. of papers published in National / International Journals / Conferences) : 15**

**xvi. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : Nil**

- i. **Name** : **Dr. Kantilal D. Joshi**  
**Associate Professor in Electrical Engineering**
- ii. **Date of Birth** : 22/04/1978
- iii. **Unique ID** : 1-7354826703
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph.D. (Electrical Engg)	Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	2018
M.Tech (Integrated Power Systems)	Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	2006
Post Graduate Dip. in Data Science	International Institute of Information Technology (IIIT), Bangalore	2020
B.E.(Elect. Engg)	Nagpur University, Nagpur	1999

- v. **Work Experience (In years) : 24 Years 6 Months**
- vi. **Teaching / Research / Industry Others :**

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
24	2	Nil

- vii. **Area of Specialization : Power Systems**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : Control Systems, Power Systems, Flexible A.C. Transmission Systems, Power System Analysis.**
- ix. **Research guidance (Number of Students) : 15 PG students**
- x. **No. of papers published in National / International Journals / Conferences : International Journals : 10, International Conferences: 10**
- xi. **Master (Completed / Ongoing) : 15 Completed**
- xii. **Ph.D. (Completed / Ongoing) : Nil**
- xiii. **Projects Carried out : Sponsored Projects : 02**
- xiv. **Patents (Filed & Granted) : Filed : 04 Granted : 02**
- xv. **Technology Transfer : Nil**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences) : International Journals : 10, International Conferences : 10**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : 03 Books**
- Basic Electrical Engineering (BPTU, Orissa), Dr. S G Tarnekar, Prof. K D Joshi & Prof. Tapas Kumar Mohapatra, ISBN:9788121931991, S. Chand Publishing
  - Basic Electrical and Electronics Engineering, Dr. S G Tarnekar & Prof. K D Joshi, ISBN: 9788121939133, S. Chand Publishing
  - Flexible A.C. Transmission System (FACTS) Devices with Energy Storage System, Kantilal Joshi, Kindle Edition, Amazon, ISBN-10: 1093356014, ISBN-13: 978- 1093356014

- i. **Name** : **Dr. L. Navinkumar Rao**  
**Associate Professor in Electrical Engineering.**
- ii. **Date of Birth** : 15-01-1977
- iii. **Unique ID** : 1-7354519589
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
B.E.	VNIT	1999
M. TECH.	VNIT	2002
Ph.D.	Dr A P J Abdul Kalam Technical University	Oct 2019

- v. **Work Experience (In years)** : 22
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
22		

- vii. **Area of Specialization** : **Power Electronics, PV system**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Network Theory, Power Electronics, Measurement, Electric Machines, Electric Drives, and Industrial Automation training in BEST**
- ix. **Research guidance (Number of Students)** : 2
- x. **No. of papers published in National / International Journals / Conferences** : 15
- xi. **Master (Completed / Ongoing)** :
- xii. **Ph.D. (Completed / Ongoing)** : **Completed**
- xiii. **Projects Carried out** :
- xiv. **Patents (Filed & Granted)** :
- xv. **Technology Transfer** :
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : 15
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** :

- i. **Name** : **Dr. Snehal Pachpor**  
**Associate Professor in Electrical Engineering.**
- ii. **Date of Birth** : 20th October' 1970
- iii. **Unique ID** : 1-483863345
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph.D.	V.N.I.T., Nagpur	2019
M.E.	V.N.I.T., Nagpur	2007
B.E.	Govt. College of Engineering, Amravati	1991

- v. **Work Experience (In years)** : **34**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
34	-	-

- vii. **Area of Specialization** : **Power Electronic Converters**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Under Graduate** : • **Electrical Power System-I & II**, • **Power Quality**, • **Renewable Energy Studies**, • **Control System**, • **Electrical Measurements & Instrumentation**, • **Electrical Science**, • **Smart Grid Technology**, • **Power System Operation & Control** , • **Network Theory**, • **Power Plant Engineering**.
- ix. **Research guidance (Number of Students)** : -
- x. **No. of papers published in National / International Journals / Conferences** : **9**
- xi. **Master (Completed / Ongoing)** : **Completed**
- xii. **Ph.D. (Completed / Ongoing)** : **Completed**
- xiii. **Projects Carried out** :
- xiv. **Patents (Filed & Granted)** : **Granted: 01**
- AI-Based Smart Grid Energy Distribution Device, 457204-001**
- xv. **Technology Transfer** : -
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **International Journals: 04, International Conference: 05**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : -

- i. **Name** : **Dr. Jayesh D. Ruikar**  
**Assistant Professor in Electrical Engineering.**
- ii. **Date of Birth** : 30-06-1986
- iii. **Unique ID** : 1-7354519686
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph. D.	National Institute of Technology Silchar	2019
M. Tech	Dr. Babasaheb Ambedkar Technological University, Lonere	2012
B. Tech	Swami Ramanand Teerth Marathwada University, Nanded	2010

- v. **Work Experience (In years)** : **8**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
8	---	---

- vii. **Area of Specialization** : **Signal and Image Processing, Digital Communication**
- viii. **Courses taught at Under Graduate Level** : **Internet of Things, Digital Logic Design & Microprocessor, Artificial Neural Network, Microprocessor & Microcontroller, Computer Organization, Analog & Digital Electronics, Signals & Systems, Digital Signal Processing, Artificial Neural Network**
- ix. **Research guidance (Number of Students)** :
- x. **No. of papers published in National / International Journals / Conferences** :  
**International Journals – 8, International Conferences – 5, National – 2.**
- xi. **Master (Completed / Ongoing)** :
- xii. **Ph.D. (Completed / Ongoing)** :
- xiii. **Projects Carried out** :
- xiv. **Patents (Filed & Granted)** : **Filed – 2    Granted – 4**
- xv. **Technology Transfer** :
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** :  
**International Journals – 8, International Conferences – 5, National – 2.**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** :

- i. **Name** : **Mr. Anirudha S. Marothiya**  
**Assistant Professor in Electrical Engineering**
- ii. **Date of Birth** : 22/11/1990
- iii. **Unique ID** : 1-7354855938
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
B. Tech	Government College of Engineering Amravati	2012
M.Tech.	Veer mata Jijabai Technological Institute (VJTI), Mumbai	2015
Ph.D.	Visvesvaraya National Institute of Technology (VNIT), Nagpur	Pursuing

- v. **Work Experience (In years)** : **10 years**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
10 years	4 years	

- vii. **Area of Specialization** : **High Voltage Engineering, Switchgear and Protection, Electric Vehicles**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Basic Electrical Engineering, Switchgear and Protection, High Voltage Engineering, Electrical Machines**
- ix. **Research guidance (Number of Students)** : **05**
- x. **No. of papers published in National / International Journals / Conferences** : **11**
- xi. **Master (Completed / Ongoing)** :
- xii. **Ph.D. (Completed / Ongoing)** :
- xiii. **Projects Carried out** :
- xiv. **Patents (Filed & Granted)** : **02**
- xv. **Technology Transfer** :
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **11**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : **01**

**Title: Hands-on Guide to Switchgear and Protection: A Laboratory Manual:  
 by Prof. Anirudha S. Marothiya & Dr. Partha Sarathi Subudhi  
 ASIN : B0DS62R443 (Kindle Edition)  
 Publication date : January 27, 2025  
 Language : English**

**i. Name : Dr. Partha Sarathi Subudhi**  
**Assistant Professor in Electrical Engineering.**

**ii. Date of Birth : 19th April'1991**

**iii. Unique ID : 1-10558371310**

**iv. Educational Qualifications :**

Degree	Institute / University	Year of Completion
Ph.D.	Vellore Institute of Technology (VIT)	2020
M. Tech.	Vellore Institute of Technology (VIT)	2015
B. Tech.	Konark Institute of Science and Technology (KIST), Bhubaneswar, Odisha / Biju Patnaik University of Technology, Odisha	2012

**v. Work Experience (In years) : 10**

**vi. Teaching / Research / Industry Others :**

Teaching	Research	Industry others
5	5	-

**vii. Area of Specialization : Power Electronics, Wireless Power Transfer, Electric Vehicle Charger, Solar Residential System, Renewable Energy, Material Science.**

**viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : Power Electronics, Electrical and Electronics Measurements, Electric and Hybrid Electric Vehicle, Basic Electrical Engineering, Electrical Safety, E-Waste Management, Electrical Machine Design, Advanced Renewable Energy Sources.**

**ix. Research guidance (Number of Students) :**

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

**International Journals : 23 International Conferences : 7 National Conferences 1**

**xi. Master (Completed / Ongoing) : 0**

**xii. Ph.D. (Completed / Ongoing) : 0**

**xiii. Projects Carried out : 0**

**xiv. Patents (Filed & Granted) : 2 - Filed, 3 - Granted**

**PATENT**

[1] Indian utility Patent entitled "Intelligent Controller for Wireless Charging of Electric Vehicles", Patent No. 502612, Application No. 201841043115. Date of Grant : 23/01/2024

[2] Indian design Patent entitled "Multi-Coil Power Transfer System for Charging Electric Vehicles", Design No. 420493-001. Date of Grant : 30/07/2024

- [3] Germany Utility Patent of the invention entitled “Multifunctional cabin seat for passenger aircraft with artificial intelligence”, filed on “19/11/2021”, Patent Application No. 20 2021 106 308.4. Date of Grant : 06/12/2021
- [4] Indian Patent entitled “Smart Contactless Autonomous Charger for Electric Vehicles”, filed on “05/01/2023”, Ref No. 202321001113.
- [5] Indian Patent entitled “Multi-Coil Contactless Power Transfer System for Charging Multiple Devices Simultaneously”, filed on “05/01/2023”, Ref No. 202321001006

**xv.** Technology Transfer : **0**

**xvi.** Research Publications (No. of papers published in National / International Journals / Conferences) : **Papers published 23, Conference Publications 8**

**xvii.** No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) :

- [1] “Power Systems Amid the 4th Industrial Revolution,” IEEE Press, River Publishers, ISBN No. 9788770226769, 2024.
- [2] “Basic Electrical and Electronics Engineering Lab Manual,” Kindle Publisher Amazon US, ISBN No. 9798307983003, 2025.
- [3] “Hands-on Guide to Switchgear and Protection: A Laboratory Manual,” Kindle Publisher Amazon US, ISBN No. 9798308631248, 2025.

- i. **Name** : **Mrs. Kirti H. Madan**  
**Assistant Professor in Electrical Engineering.**
- ii. **Date of Birth** : 31/03/1985
- iii. **Unique ID** : 1-9317017931
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
M. Tech	Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur	2015
B. E.	Sant Gadge Baba Amravati University, Amravati, Maharashtra	2009
Diploma (Polytechnic)	Maharashtra State Board of Technical Education (MSBTE)	2005

- v. **Work Experience (In years)** : **9.5 Years**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
9.5 Years	0	0

- vii. **Area of Specialization** : **Electronics Engineering**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma** : **Microprocessor and Microcontroller, Analog and Digital Electronics, Mechatronics, Basic Electronics Engineering, Linear Integrated Circuits, Digital Signal Processing.**
- ix. **Research guidance (Number of Students)** : **5**
- x. **No. of papers published in National / International Journals / Conferences** :  
**National Conference : 1, International Conference : 2, International Journal: 3**
- xi. **Master (Completed / Ongoing)** : **Completed**
- xii. **Ph.D. (Completed / Ongoing)** : **Nil**
- xiii. **Projects Carried out** : **Nil**
- xiv. **Patents (Filed & Granted)** : **Nil**
- xv. **Technology Transfer** : **Nil**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** :  
**National Conference : 1, International Conference : 2, International Journal: 3**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : **Nil**

- i. **Name** : **Mrs. Swati Watkar**  
**Assistant Professor in Electrical Engineering.**
- ii. **Date of Birth** : 04/03/1989
- iii. **Unique ID** : 1-11332992391
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
M. Tech	RTMNU	2019
B.E.	Sipna College of Engineering	2010
Diploma	V.Y.W.S. polytechnic Amravati	2007

- v. **Work Experience (In years)** : **14 years**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
14	-	-

- vii. **Area of Specialization** : **Electronics**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **1. Digital Electronics, 2. Control System, 3. Linear Integrated Circuit, 4. Audio and Video technology, 5. Embedded System, 6. Internet of thing, 7. Signal And System, 8. Basic Electronics, 9. Microprocessor and Microcontroller.**
- ix. **Research guidance (Number of Students)** : - Nil
- x. **No. of papers published in National / International Journals / Conferences** : **03**
- xi. **Master (Completed / Ongoing)** : Completed
- xii. **Ph.D. (Completed / Ongoing)** : Nil
- xiii. **Projects Carried out** : Nil
- xiv. **Patents (Filed & Granted)** : Nil
- xv. **Technology Transfer** : Nil
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **2**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.):**

- i. **Name** : **Mr. Parag V. Yelore**  
**Assistant Professor in Electrical Engineering.**
- ii. **Date of Birth** : 01/11/1991
- iii. **Unique ID** : 1-44736203804
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
B.E.	Yeshwantrao Chavan College of Engineering, Nagpur	2013
M.Tech.	Rashtrasant Tukaadoji Maharaj Nagpur University, Nagpur	2017

- v. **Work Experience (In years)** : **11 Years 5 Months**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
5.5 Years	---	6 Years

- vii. **Area of Specialization** : **Industrial Automation (Sensors, PLC, HMI & SCADA) and Mechtronices**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Control System, Digital Electronics, Digital Communication, Industrial Automation (Sensors, PLC, HMI & SCADA), Mechatronics and DCS System.**
- ix. **Research guidance (Number of Students)** : 0
- x. **No. of papers published in National / International Journals / Conferences** : 1
- xi. **Master (Completed / Ongoing)** : Completed
- xii. **Ph.D. (Completed / Ongoing)** : NA
- xiii. **Projects Carried out** : 0
- xiv. **Patents (Filed & Granted)** : 0
- xv. **Technology Transfer** : 0
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : 0
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : 0

**i. Name : Mrs. Harsha D. Jain**  
**Assistant Professor in Electrical Engineering.**

**ii. Date of Birth : 29/08/1989**

**iii. Unique ID : 1-3269407948**

**iv. Educational Qualifications :**

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
M.Tech.	RTMNU	2016
B.E	RTMNU	2012

**v. Work Experience (In years) : 11**

**vi. Teaching / Research / Industry Others :**

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
10		1

**vii. Area of Specialization : Electrical**

**viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : High Voltage Engg, Caips, Mobility, Basic Electrical, Project Mgmt, Nt, Eem**

**ix. Research guidance (Number of Students) :**

**x. No. of papers published in National / International Journals / Conferences : 3**

**xi. Master (Completed / Ongoing) : COMPLETED**

**xii. Ph.D. (Completed / Ongoing) :**

**xiii. Projects Carried out :**

**xiv. Patents (Filed & Granted) :**

**xv. Technology Transfer :**

**xvi. Research Publications (No. of papers published in National / International Journals / Conferences) :**

**xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) :**

- i. Name : Ms. Janhavi A. Wanjari**  
**Assistant Professor in Humanities and Social Sciences.**
- ii. Date of Birth : 22/04/2002**
- iii. Unique ID : - 1-46558483592**
- iv. Educational Qualifications :**

Degree	Institute / University	Year of Completion
B.A	R.S. Mundley Dharampeth College of Art and Commerce (R.T.M.N.U)	2023
M.A in English Literature	Rashtrasant Tukdoji Maharaj Nagpur University (Campus)	2025

- v. Work Experience (In years) : 1 year**
- vi. Teaching / Research / Industry Others :**

Teaching	Research	Industry others
1	---	---

- vii. Area of Specialization : Essayist, Poet, Communication skills, Classical musician**
- viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : -**
- ix. Research guidance (Number of Students) : -**
- x. No. of papers published in National / International Journals / Conferences :**
- xi. Master (Completed / Ongoing) : Completed**
- xii. Ph.D. (Completed / Ongoing) : -**
- xiii. Projects Carried out : -**
- xiv. Patents (Filed & Granted) :**
- xv. Technology Transfer :**
- xvi. Research Publications (No. of papers published in National / International Journals / Conferences) :**
- xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) :**

### Mechanical Engineering Department :

- i. Name : **Dr. Deepak Bhope**  
**Professor in Mechanical Engineering.**
- ii. Date of Birth : 3<sup>rd</sup> November 1965
- iii. Unique ID : 1-455219551
- iv. Educational Qualifications:

Degree	Institute / University	Year of Completion
Ph.D.	V.N.I.T., Nagpur	2005
M.E.	Walchand College of Engineering, Sangli	1988
B.E.	Govt. College of Engineering, Amaravati	1986

- v. Work Experience (In years): **38 Years**
- vi. Teaching / Research / Industry Others :

Teaching	Research	Industry others
38	--	--

- vii. Area of Specialization : **Design Engineering**
- viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : **Machine Design-II, Finite Element Method, Sheet Metal Engineering, Theory of Machines-II**
- ix. Research guidance (Number of Students): **Ph.D.: 06, PG: 30**
- x. No. of papers published in National / International Journals / Conferences:

JOURNAL		CONFERENCE		TOTAL
International	National	International	National	88
52	04	22	10	

- xi. **Master (Completed / Ongoing) :** Completed: 30, Ongoing: Nil
- xii. **Ph.D. (Completed / Ongoing) :** Completed: 05, Ongoing: 01
- xiii. **Projects Carried out :** 04 (Funded by AICTE under AQIS for Rs. 33+ Lakhs)
- xiv. **Patents (Filed & Granted) :** Granted: 02, Filed: 03
- xv. **Technology Transfer :** Nil
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences) : 88**

JOURNAL		CONFERENCE		TOTAL
International	National	International	National	88
52	04	22	10	

- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.): 01**

NAME OF BOOK	PUBLISHER	PRINT ISBN	YEAR OF PUBLICATION
LOCOMOTIVE SUSPENSION: Failure Analysis of Primary Suspension Spring of Rail Road Vehicle	Eliva Press, Republic of Moldova, Europe	ISBN-10: 9994982370	2023

- i. Name : **Dr. Manish Pasarkar**  
**Associate Professor in Electrical Engineering.**
- ii. Date of Birth : 26<sup>th</sup> December'1973
- iii. Unique ID : 1-9312357817
- iv. Educational Qualifications :

Degree	Institute / University	Year of Completion
Ph.D.	SGBAU, Amravati	2015
M.E.	SPPU, Pune	2009
B.E.	SGBAU, Amravati	1996

- v. Work Experience (In years) : **28**
- vi. Teaching / Research / Industry Others :

Teaching	Research	Industry others
26	05	02

- vii. Area of Specialization : **Mechanical-Design Engineering**
- viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level :  
**Under Graduate (UG) : Theory of Machine – I & II, CAD / CAM, Mechatronics & Robotics.**  
**Post Graduate (PG) : Mechanical Vibrations, Finite Element Analysis & Robotics.**
- ix. Research guidance (Number of Students) : NIL
- x. No. of papers published in National / International Journals / Conferences : **21**
- xi. Master (Completed / Ongoing) : Completed
- xii. Ph.D. (Completed / Ongoing) : Completed
- xiii. Projects Carried out : **04**
- xiv. Patents (Filed & Granted) : Granted - **01**
- xv. Technology Transfer : NIL
- xvi. Research Publications (No. of papers published in National / International Journals / Conferences) :

JOURNAL		CONFERENCE		TOTAL
International	National	International	National	
11	02	03	05	21

- xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : NIL

- i. **Name** : **Dr. Vikas Gohil**  
**Associate Professor in Mechanical Engineering.**
- ii. **Date of Birth** : 17 Nov. 1981
- iii. **Unique ID** : 1-4442478595
- iv. **Educational Qualifications: Mechanical Engineering**

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
B.E.	Rajiv Gandhi Technological University, Bhopal	2002-06
M.E.	Devi Ahilya University, Indore	2008-10
Ph.D.	VNIT, Nagpur	2013-17
PGP	IISc, Bangaluru	2023-24

- v. **Work Experience (In years) : 18.5**
- vi. **Teaching / Research / Industry Others :**

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
14	4.5	---

- vii. **Area of Specialization : Mechanical Engg. [Advanced Manufacturing]**
- viii. **Courses taught at Under Graduate Level : Manufacturing Technology, Additive Manufacturing, Machine drawing and CAD**
- ix. **Research guidance (Number of Students) : Nil**
- x. **No. of papers published in National / International Journals / Conferences : 16**
- xi. **Master (Completed / Ongoing) : Nil**
- xii. **Ph.D. (Completed / Ongoing) : Nil**
- xiii. **Projects Carried out : Nil**
- xiv. **Patents (Filed & Granted) : 2**
- xv. **Technology Transfer : Nil**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences) : 16**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : CAD CAM CIM, Khanna Publishers, New Delhi, ISBN: 978-81-7409-261-8, 2014**

i. **Name** : **Dr. Pawan A. Chandak**  
**Associate Professor in Mechanical Engineering**

ii. **Date of Birth** : 14-05-1981

iii. **Unique ID** : 1-7354648801

iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph.D.	PCE Nagpur/ RTM Nagpur University	2017
M. Tech.	Mechanical Engineering Design	2007
B. E.	Mechanical Engineering	2004

v. **Work Experience (In years)** : **21 years**

vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
18 years	Nil	3 Years

vii. **Area of Specialization** : **Machine Design, Product Design, Intellectual Property Right, Entrepreneurship Development, Machine Learning with ANN, Ecofriendly Housing.**

viii. **Courses taught Under Graduate Level** : **Machine Design-II, Theory of Machine-I, Theory of Machine-II, Mechanical System Design, Intellectual Property Rights, Entrepreneurship Development, Human Resource Management, Product Design Engineering-I, Product Design Engineering-II.**

ix. **Research guidance (Number of Students)** : **05**

x. **No. of papers published in National / International Journals / Conferences** : **17**

xi. **Master (Completed / Ongoing)** : **05**

xii. **Ph.D. (Completed / Ongoing)** : Nil

xiii. **Projects Carried out** : **30+**

xiv. **Patents (Filed & Granted)** : **14 & 6**

xv. **Technology Transfer** : Nil

xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **08**

xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** :

1. Article Published in "SAMIDHA", G S Commerce College, Wardha, with ISBN:978-93-47088-50-6, pages 47-49 in March 2026.

**Other Information**

xviii. **Industrial Designs Granted**: 05

xix. **Copyrights Granted**: 09

xx. **Expert Talks Delivered in FDP**: 12

xxi. **Number of Hackthon Projects Guided/ Won**: 15 / 12

xxii. **Funds Fetched for Product Development**:

i. AICTE: Rs. 8.5 Lakhs

ii. Industry/ Institute: Rs 0.95 Lakhs

xxiii. **Awards and Recognitions Received**: 03

- i. Name : Mr. Mandar A. Gupte**  
**Assistant Professor in Mechanical Engineering.**
- ii. Date of Birth : 08/05/1985**
- iii. Unique ID : 1-3542656966**
- iv. Educational Qualifications :**

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph. D	VNIT Nagpur	Pursuing
M. E.	BITS Pilani	2009
B. E.	Sant Gadge Baba Amravati University	2006

- v. Work Experience (In years) : 17**
- vi. Teaching / Research / Industry Others :**

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
17	0	0

- vii. Area of Specialization : Manufacturing Systems Engineering**
- viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level :**
- ix. Research guidance (Number of Students) : NIL**
- x. No. of papers published in National / International Journals / Conferences : NIL**
- xi. Master (Completed / Ongoing) : Completed**
- xii. Ph.D. (Completed / Ongoing) : Ongoing**
- xiii. Projects Carried out : NIL**
- xiv. Patents (Filed & Granted) : NIL**
- xv. Technology Transfer : NIL**
- xvi. Research Publications (No. of papers published in National / International Journals / Conferences) : NIL**
- xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : NIL**

i. Name : **Pankaj P. Bhise**  
**Assistant Professor in Mechanical Engineering.**

ii. Date of Birth : 21 Jan 1978

iii. Unique ID : 1-3542731851

iv. Educational Qualifications :

Degree	Institute / University	Year of Completion
Ph. D.	VNIT, Nagpur	Pursuing
M. Tech.	YCCE Nagpur/ RTM Nagpur University	2009
B.E.	JDIET Yavatmal, Amravati University	2001

v. Work Experience (In years) : **25 Years**

vi. Teaching / Research / Industry Others :

Teaching	Research	Industry others
25	2.5	6 Months

vii. Area of Specialization : **Production/ Mechanical**

viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level :

Under Graduate :- **Engineering Graphics, Industrial Engg. & Management, manufacturing Processes II,**

ix. Research guidance (Number of Students) : Nil

x. No. of papers published in National / International Journals / Conferences : **4 (Four)**

xi. Master (Completed / Ongoing) : Completed

xii. Ph.D. (Completed / Ongoing) : Ongoing

xiii. Projects Carried out : Undergraduate Level - **22**

xiv. Patents (Filed & Granted) : Nil

xv. Technology Transfer : Nil

xvi. Research Publications (No. of papers published in National / International Journals / Conferences) : Nil

xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : Nil

- i. **Name** : **Dr. Suraj G. Vairagade**  
**Assistant Professor in Mechanical Engineering.**
- ii. **Date of Birth** : 18<sup>th</sup> March 1990
- iii. **Unique ID** : 1-3542732114
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph.D.	Dr B R Ambedkar National Institute of Technology, Jalandhar	2025
M. Tech.	Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	2016
B.E.	Government College of Engineering and Research, Pune	2013

- v. **Work Experience (in Years)** : **13**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
13	05 Years	--

- vii. **Area of Specialization** : **Thermal Engineering**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Thermodynamics, Applied Thermodynamics, Energy Conservation and Management, Power Plant Familiarization, Energy and Environment Engineering, Basic Mechanical Engineering**
- ix. **Research guidance (Number of Students)** : **44 (UG)**
- x. **No. of papers published in National / International Journals / Conferences** : **24**
- xi. **Master (Completed / Ongoing)** : -
- xii. **Ph.D. (Completed / Ongoing)** :-
- xiii. **Projects Carried out** :--
- xiv. **Patents (Filed & Granted)** : **02**
- xv. **Technology Transfer** :-
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **24**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)**

- i. **Name** : **Mr. Santosh Kumar**  
**Assistant Professor in Mechanical Engineering**
- ii. **Date of Birth** : 07th June 1987
- iii. **Unique ID** : 1-7354648845
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
M. Tech	RTMNU	2015
B. E	RTMNU	2010

- v. **Work Experience (In years)** : 13
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
12.5		0.5

- vii. **Area of Specialization** : **Machine Design**
- Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : Machine Design-I, Strength of Materials, Mechatronics, Advanced Production Processes, Engineering Mechanics,
- viii. **No. of papers published in National / International Journals / Conferences** :

**International Journal: 03,      International Conference: 03**  
**National Journal: Nil      National Conference: 01**

- ix. **Master (Completed / Ongoing)** : **Completed**
- x. **Ph.D. (Completed / Ongoing)** : **Ongoing**
- xi. **Projects Carried out** :
- xii. **Patents (Filed & Granted)** : **1**
- xiii. **Technology Transfer** :
- xiv. **Research Publications (No. of papers published in National / International Journals / Conferences)** :
- International Journal: 03,      International Conference: 03**  
**National Journal: Nil      National Conference: 01**
- xv. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : Nil.

i. Name : **Dr. Santosh Bopche**  
**Assistant Professor in Mechanical Engineering.**

ii. Date of Birth : 11 April 1979

iii. Unique ID : 1-9598403271

iv. Educational Qualifications :

Degree	Institute / University	Year of Completion
B.E.	R. T. M. Nagpur University	2000
M. Tech.	Dr. B. A. T. University, Lonere	2007
Ph.D.	IIT Bombay	2012

v. Work Experience (In years) :

vi. Teaching / Research / Industry Others :

Teaching	Research	Industry others
14	6	2

vii. Area of Specialization : **Thermal and Fluids Engg. (Mechanical Engineering)**

viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : **Heat Transfer, Fluid Mechanics, Thermodynamics, Energy Conversion, Energy Conservation etc.**

ix. Research guidance (Number of Students) : **Guided 10 M. Tech. Students**

x. No. of papers published in National / International Journals / Conferences : **47**

xi. Master (Completed / Ongoing) : Completed

xii. Ph.D. (Completed / Ongoing) : Completed

xiii. Projects Carried out : **Three**

xiv. Patents (Filed & Granted) : **Filed (3), Granted (1)**

xv. Technology Transfer : **One**

xvi. Research Publications (No. of papers published in National / International Journals / Conferences) : **47**

xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : Nil

- i. **Name** : **Dr. Nikhil Sohoni**  
**Assistant Professor in Mechanical Engineering.**
- ii. **Date of Birth** : 04-01-1989
- iii. **Unique ID** : 1-10558524530
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph.D.	IIT Bombay	2022
M.E.	Nagpur University (G.H.R.C.E.)	2013
B.E.	Nagpur University (G.H.R.C.E.)	2010

- v. **Work Experience (In years)** : **6.5**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
6.5	7	0

- vii. **Area of Specialization** : **Aerodynamics and Thermo-Fluid Sciences**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Thermodynamics, Fluid Mechanics, Heat Transfer, Fluid Machinery, Dynamics of Machines, Mechanical Measurement, I.C Engines, Aeroacoustics Lab, Hydraulics, Machine Learning, Deep Learning.**
- ix. **Research guidance (Number of Students)** : Nil
- x. **No. of papers published in National / International Journals / Conferences** :  
**International Journals – 2, International Conference – 5, National Conference – 1**
- xi. **Master (Completed / Ongoing)** : Completed
- xii. **Ph.D. (Completed / Ongoing)** : Completed
- xiii. **Projects Carried out** :
- xiv. **Patents (Filed & Granted)** : Nil
- xv. **Technology Transfer** : Nil
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **International Journals – 2, International Conference – 5, National Conference – 1**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : Nil

- i. **Name** : **Dr. Roshan V. Marode**  
**Assistant Professor in Mechanical Engineering.**
- ii. **Date of Birth** : 18<sup>th</sup> August 1988
- iii. **Unique ID** : 1-775143770
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph.D.	University of Technology PETRONAS (UTP), Malaysia	2025
M. Tech.	Maharashtra Institute of Technology (MIT), Chhatrapati Sambhajnagar	2015
B.E.	Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, Sant Gadge Baba Amravati University, Amravati	2010

- v. **Work Experience (In years): 14.5**
- vi. **Teaching / Research / Industry Others:**

<b>Teaching</b>	<b>Research</b>	<b>Industry</b>
13.5	05	01

- vii. **Area of Specialization : Manufacturing/Materials Science and Engineering**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : Manufacturing Technology I and II, Engineering Materials, Joining of Metals and Non-Metals, Design of Sustainable Manufacturing, Mechanical Systems Design I, Materials Engineering Capstone Project I, Vibrations, Mechatronics, Engineering Mechanics, Statistics, Engineering Thermodynamics, IC. Engines, Automobile Engineering, Material Science & Metallurgy, Engg. Metro. & QC.**
- ix. **Research guidance (Number of Students) : UG (Groups): 18, PG (Students): 03**
- x. **No. of papers published in National/International Journals/Conferences : 47**
- xi. **Master (Completed / Ongoing) :-**
- xii. **Ph.D. (Completed / Ongoing) :--**
- xiii. **Projects Carried out: Sponsored by ICRF/FRGS/YUTP/etc: 05**
- xiv. **Patents (Filed & Granted) : Filed & Published: 02**
- xv. **Technology Transfer : Industry/On-Site: 03**
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences): 47**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.): --**

i. Name : **Mr. Suraj N. Nikhate**  
**Assistant Professor in Mechanical Engineering**

ii. Date of Birth : 03-10-1993

iii. Unique ID : 1-44238379644

iv. Educational Qualifications :

Degree	Institute / University	Year of Completion
M. Tech.	RTMNU	2021
B.E.	Sant Gadge Baba Amravati University	2015

v. Work Experience (In years) : **10 yr**

vi. Teaching / Research / Industry Others :

Teaching	Research	Industry others
10	-	-

vii. Area of Specialization : **Mechanical Engineering**

viii. Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level : **Under Graduate**

ix. Research guidance (Number of Students) : Nil

x. No. of papers published in National / International Journals / Conferences :

xi. Master (Completed / Ongoing) : **Completed**

xii. Ph.D. (Completed / Ongoing) : **Nil**

xiii. Projects Carried out : **Nil**

xiv. Patents (Filed & Granted) : **Nil**

xv. Technology Transfer : **Nil**

xvi. Research Publications (No. of papers published in National / International Journals / Conferences) : **Nil**

xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : **Nil**

- i. **Name** : **Mr. Ranjit P. Katkar**  
**Assistant Professor in Mechanical Engineering**
- ii. **Date of Birth** : 12 Nov 1986
- iii. **Unique ID** : 1-44626659251
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
M.E.	SPPU, Pune	2016
B.E.	RTMNU, Nagpur	2009

- v. **Work Experience (In years)** : **15 years**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
2 years	-	13 years

- vii. **Area of Specialization** : **Mechanical Design**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Automobile Engineering, MD & CAD, AutoCAD, CATIA, Ansys**
- ix. **Research guidance (Number of Students)** : None
- x. **No. of papers published in National / International Journals / Conferences** : **02 Nos.**
- xi. **Master (Completed / Ongoing)** : Completed
- xii. **Ph.D. (Completed / Ongoing)** :-
- xiii. **Projects Carried out** : None
- xiv. **Patents (Filed & Granted)** : None
- xv. **Technology Transfer** : None
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : None
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : None

- i. **Name** : **Dr. Dhiraj C. Narayane**  
**Assistant Professor in Mechanical Engineering**
- ii. **Date of Birth** : 25<sup>th</sup> February 1985
- iii. **Unique ID** : 1-4675229529
- iv. **Educational Qualifications** :

<b>Degree</b>	<b>Institute / University</b>	<b>Year of Completion</b>
Ph.D.	VNIT, Nagpur	2025
M.Tech.	IIT, Indore	2017
B.E.	Dr. J. J. Magdum College of Engg., Jaysingpur	2011

- v. **Work Experience (In years)** : **9.4 years**
- vi. **Teaching / Research / Industry Others** :

<b>Teaching</b>	<b>Research</b>	<b>Industry others</b>
5	4	0.4

- vii. **Area of Specialization** : **Production & Industrial Engg., Materials science**
- viii. **Courses taught at Diploma / Post Diploma / Under Graduate / Post Graduate / Post Graduate Diploma Level** : **Basic Mechanical Engineering, Manufacturing Processes, Mechanical Measurement, Metrology, and Reliability, Thermodynamics, Heat transfer, Refrigeration and Air Conditioning**
- ix. **Research guidance (Number of Students)** : **05 (Interns under research project)**
- x. **No. of papers published in National / International Journals / Conferences** : **09**
- xi. **Master (Completed / Ongoing)** : **NIL**
- xii. **Ph.D. (Completed / Ongoing)** : **NIL**
- xiii. **Projects Carried out** : **01 (as Principal Investigator, Project sponsored by TEQIP-III (NPIU-MHRD))**
- xiv. **Patents (Filed & Granted)** : **NIL**
- xv. **Technology Transfer** :
- xvi. **Research Publications (No. of papers published in National / International Journals / Conferences)** : **09**
- xvii. **No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)** : **01 (Book chapter- Additive Manufacturing Integration with Welding), Name of the book: Advanced Welding Techniques- Current Trends and Future Perspectives, ISBN: 9781003435884, Year of Publication: 2024**

## 9. Fees:

- i. No. of Fee waivers granted with amount and name of students :

Sr. No.	Academic Year	Name of Students	Amount
1	2022-23	Devansh Kaushik	52,206.50
2	2022-23	Sanskriti Dakhole	52,206.50
3	2022-23	Jayesh Satishrao Mehakare	43,240.50
4	2022-23	Pratik Santosh Sayam	48,000.00
5	2022-23	Premraj Dhanraj Madavi	48,000.00
<b>TOTAL</b>			<b>2,43,653.50</b>

- ii. Number of scholarships offered by the Institution, duration and amount.

Sr. No.	Academic Year	No. of Students	Amount
1	2019-20	673	2,73,79,842.50
2	2020-21	871	3,82,39,366.00
3	2021-22	919	4,53,01,472.50
4	2022-23	1042	5,36,14,796.00
5	2023-24	1070	5,59,06,115.50
6	2024-25	1135	7,43,85,373.00
7	2025-26	1120	8,16,26,953.00
<b>Total</b>		<b>6828</b>	<b>37,63,10,400.00</b>

- iii. Number of students scholarship offered by the **Indorama Synthetics, Butibori.**

Sr. No.	Academic Year	No. of Students	Amount
1	2022-23	1	53,756.50
2	2023-24	1	52,756.50
3	2024-25	1	52,757.00
<b>Total</b>		<b>3</b>	<b>1,59,270.00</b>

- iv. Number of students scholarship offered by the **Jain Education & Empowerment Trust, Mumbai.**

Sr. No.	Academic Year	No. of Students	Amount
1	2023-24	1	15,000.00
2	2024-25	1	15,000.00
3	2025-26	1	20,000.00
<b>Total</b>		<b>3</b>	<b>50,000.00</b>

- v. Number of students scholarship offered by the **Lila Poonawala Foundation, Pune.**

Sr. No.	Academic Year	No. of Students	Amount
1	2020-21	21	9,42,206.00
2	2022-23	48	20,55,512.00
3	2023-24	59	23,95,256.00

4	2024-25	3	28,539.00
5	2025-26	3	28,539.00
<b>Total</b>		<b>134</b>	<b>54,50,052.00</b>

vi. Number of students scholarship offered by the **Shiksha Mandal, Wardha.**

Sr. No.	Academic Year	No. of Students	Amount
1	2018-19	5	1,36,362.50
2	2019-20	5	1,36,360.00
3	2020-21	2	54,545.00
4	2021-22	6	1,65,057.50
5	2022-23	4	1,10,513.00
6	2023-24	7	1,58,782.50
7	2024-25	3	81,070.50
8	2025-26	3	1,54,797.50
<b>Total</b>		<b>35</b>	<b>9,97,488.50</b>

vii. Number of students scholarship offered by the **Shree Sant Bhojaji Maharaj Deostan, Ajansara.**

Sr. No.	Academic Year	No. of Students	Amount
1	2022-23	1	87,600.00
2	2023-24	1	25,000.00
<b>Total</b>		<b>2</b>	<b>1,12,600.00</b>

viii. Number of students scholarship offered by the **SSRBMT & MVP, Pune.**

Sr. No.	Academic Year	No. of Students	Amount
1	2025-26	1	50,000.00
<b>Total</b>		<b>1</b>	<b>50,000.00</b>

ix. Number of students scholarship offered by the **Tsubasaka Dera Kushtha Sewa Pratishtha, Wardha.**

Sr. No.	Academic Year	No. of Students	Amount
1	2021-22	1	25,000.00
2	2022-23	1	25,000.00
3	2023-24	2	80,000.00
4	2024-25	4	1,25,000.00
5	2025-26	3	65,000.00
<b>Total</b>		<b>11</b>	<b>3,20,000.00</b>

x. Number of students scholarship offered by the **Tuka Wardhan Foundation, Wardha.**

Sr. No.	Academic Year	No. of Students	Amount
1	2024-25	2	96,725.00
<b>Total</b>		<b>2</b>	<b>96,725.00</b>

xi. Number of students scholarship offered by the Maheshwari Mandal, Wardha

Sr. No.	Academic Year	No. of Students	Amount
1	2022-23	1	10,0000.00
<b>Total</b>		<b>1</b>	<b>10,000.00</b>

xii. Number of students scholarship offered by the Shiksha Sahyog Sanstha, Pune.

Sr. No.	Academic Year	No. of Students	Amount
1	2021-22	1	1,00,000.00
<b>Total</b>		<b>1</b>	<b>1,00,000.00</b>

#### 10. Admission :

i. Number of seats sanctioned with the year of approval :

Year of approval	Number of seats sanctioned				
	Civil Engg.	Computer Engg.	Electrical Engg.	Mechanical Engg.	Total
2017-18	60	60	60	60	240
2018-19	60	60	60	60	240
2019-20	60	60	60	60	240
2020-21	60	60	60	60	240
2021-22	60	120	60	60	300
2022-23	60	120	60	60	300
2023-24	60	120	60	60	300
2024-25	60	120	60	60	300
2025-26	60	120	60	60	300
2026-27	60	120	60	60	300

ii. Number of Students admitted under various categories each year in the last three years :

Year	Branch	Category							
		OPEN	SC	ST	OBC	VJ NT	SBC	TFWS	TOTAL
2023-2024	Civil Engg.	28	49	4	122	16	6	12	237
	Computer Engg.	156	35	1	229	13	6	21	461
	Electrical Engg.	37	31	4	158	14	6	11	261
	Mechanical Engg.	26	31	3	133	13	5	12	223
2024-2025	Civil Engg.	29	46	6	117	22	7	11	238
	Computer Engg.	202	35	2	251	11	8	23	532
	Electrical Engg.	33	33	3	159	16	8	12	264
2025-2026	Mechanical Engg.	25	36	2	142	13	3	12	233
	Civil Engg.	28	46	4	124	25	9	11	247
	Computer Engg.	202	33	1	246	15	9	23	529
	Electrical Engg.	26	33	2	163	22	5	12	263
	Mechanical Engg.	29	37	3	152	13	7	12	253

- iii. Number of applications received during last year for admission under Management Quota and number admitted :

Every year entire Management Quota seats were surrendered to the Directorate of Technical Education, Govt. of Maharashtra for inclusion in CAP Seats, from the inception of the institute.

#### 11. Admission Procedure :

- i. Mention the admission test being followed, name and address of the Test Agency and its URL(website) :

- a. Admission Test : **Maharashtra Common Entrance Test (MHT-CET)**

Name and address of the Test Agency :

**STATE COMMON ENTRANCE TEST CELL**, (Govt. of Maharashtra)  
8th Floor, New Excelsior Building, A.K.Nayak Marg, Fort, Mumbai-  
400001.(M.S.)

URL (website) : <http://www.dtemaharashtra.gov.in/>

- b. Admission Test : **Joint Entrance Examination (JEE)**

Name and address of the Test Agency :

**National Testing Agency (Government of India)**  
Block C-20 1A/8, Sector- 62, IITK Outreach Centre,  
Gautam Buddha Nagar, Noida-201309, Uttar Pradesh

URL (website) : <https://jeemain.nta.nic.in/>

- ii. Number of seats allotted to different Test Qualified candidate separately (AIEEE/JEE/ CET (State conducted test/ University tests/ CMAT/ Association conducted test etc.)

Year	Branch	No. of Seats allotted to CET	No. of Seats allotted to JEE
2025– 26	Civil Engineering	56	4
	Computer Engineering	112	8
	Electrical Engineering	56	4
	Mechanical Engineering	56	4

- iii. Calendar for admission against Management / vacant seats :

Activity	First Year	Second Year
Last date for Submission of duly filled Admission Request Form (ARF) with required documents.	6/09/2025 up to 5.00 PM	9/09/2025 up to 5.00 PM
Display of Provisional College Merit List	8/09/2025 at 10.00 AM	10/09/2025 at 10.00 AM
Submission of grievance, if any, pertaining to Provisional College Merit List	8/09/2025 up to 12.00 noon	10/09/2025 up to 12.00 noon

Display of Final College Merit List	8/09/2025 up to 1.00 PM	10/09/2025 up to 1.00 PM
Confirmation of admission by submitting required documents and payment of fees.	8/09/2025 1.00 PM onwards	10/09/2025 1.00 PM onwards
Admission to waitlisted candidates, if seats still remain vacant.	9/09/2025 to 13/09/2024	11/09/2025 to 15/09/2024

**iv. The policy of refund of the Fee, in case of withdrawal, shall be clearly notified :**

As per the Information Brochure published and circulated by GOVERNMENT OF MAHARASHTRA State Common Entrance Test Cell 8th floor, New Excelsior Building, A.K. Nayak Marg, Fort, Mumbai 40000, following norms are enlisted in brochure and followed by the Institution.

- (a) The Candidate shall apply online for cancellation and submit duly signed copy of system generated application for cancellation of admission to the Institution. Once the candidate submits online request for cancellation, his admission shall be treated as cancelled. The Institute shall consider the online request made by candidate for cancellation as final, irrespective of whether he has submitted duly signed copy of system generated application to the Institute. Upon such cancellation, the candidate shall lose the claim on the seat and such seat shall become available for further allotment. If the candidate cancels admission on or before the last day for cancellation of seats with full fees refund as specified by the Competent Authority, the Institute shall refund the entire fees to the candidate after deduction of rupees one thousand only towards processing charges and return all his original documents submitted to the Institute within two days from submission of duly signed copy of system generated application to the Institute;
- (b) Candidate shall not be entitled to any refund of his/her fee except the Security Deposit and Caution Money Deposit if the online cancellation is effected by the candidate after the last day for cancellation of seats with full fee refund as specified by the Competent Authority. Link for online cancellation for admission shall be deactivated after cut off date. Candidate has to apply for cancellation of admission to the Institute by submitting application to the Institute after the cut off date;
- (c) No institution, who has in its possession or custody, of any document in the form of Certificates, Degree, Diploma or any other award or other document deposited with it by a person for the purpose of seeking admission in such institution, shall refuse to return such Certificate, Degree, Diploma, award or any other document with a view to induce or compel such person to pay any fee or fees in respect of any course or program of study which such person does not intend to pursue or avail any facility in such institution;
- (d) The Institution shall not entitle to recover the fees for the subsequent years from the student seeking cancellation of his admission at any point of time.

## 12. Criteria and Weightages for Admission :

Criteria and Weightages mentioned in Information Brochure of GOVERNMENT OF MAHARASHTRA State Common Entrance Test Cell for Admission to-

### A. First Year - Engineering or Technology ( 4 years duration)

(Entry Level Qualification : Passed 10+2 Examination / Diploma)

#### Eligibility conditions and requirements for admissions

##### (1) Maharashtra State Candidature Candidate -

The candidate,-

(ii) should be a citizen of India;

(iii) should have Passed 10+2 examination or its equivalent examination with Physics and Mathematics as compulsory subjects along with Chemistry or Biotechnology or Biology or Technical Vocational subject or Computer Science or Information Technology or Informatics Practices or Agriculture or Engineering Graphics or Business Studies or Electronics or Entrepreneurship and obtained at least forty five per cent marks (at least forty per cent marks, in case of Reserved categories, Economically Weaker Section and Persons with Disability candidates belonging to the Maharashtra State only) in the above subjects taken together and The Candidate should have appeared in all the subjects in PCM MHT-CET and obtained non zero score in PCM MHT-CET conducted by the Competent Authority;

OR

(iv) Should have passed 10+2 examination or its equivalent examination with Physics and Chemistry as compulsory subjects along with the Mathematics or Biotechnology or Biology or Technical Vocational subject or Computer Science or Information Technology or Informatics Practices or Agriculture or Engineering Graphics or Business Studies or Electronics or Entrepreneurship as one of the subject and obtained at least forty five per cent marks (at least forty per cent marks, in case of Reserved categories, Economically Weaker Section and Persons with Disability candidates belonging to the Maharashtra State only) in the above subjects taken together and the candidate should have appeared in all the subjects in MHT-CET and obtained non zero score in Physics, Chemistry and Biology (PCB) MHT-CET conducted by the Competent Authority is eligible for admission

OR

(v) Should have passed minimum three years Diploma in Engineering and Technology and obtained at least forty five per cent marks (at least forty per cent marks, in case of Reserved categories, Economically Weaker Section and Persons with Disability candidates belonging to the Maharashtra State only) ;

OR

(vi) Passed three years Diploma of Vocation (D.Voc.) stream in the same or allied sector;

**(2) All India Candidature Candidates, Union Territory of Jammu and Kashmir and Union Territory of Ladakh Migrant Candidature Candidates.-**

The candidate,-

- (i) should be a citizen of India ;
- (ii) should have passed 10+2 examination or its equivalent examination with Physics and Mathematics as compulsory subjects along with Chemistry or Biotechnology or Biology or Technical Vocational subject or Computer Science or Information Technology or Informatics Practices or Agriculture or Engineering Graphics or Business Studies or Electronics or Entrepreneurship and obtained at least forty five percent. marks (at least forty per cent. marks, in case of Reserved categories, Economically Weaker Section and Persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together and obtained non zero positive score in Joint Entrance Test (JEE) (Main) Bachelor of Engineering (B.E.) or Bachelor of Technology (B.Tech.) or The Candidate should have appeared in all the subjects in PCM MHT-CET and obtained non zero score in PCM MHT-CET conducted by the Competent Authority:

Provided that preference shall be given to the candidate obtaining non zero positive score in Joint Entrance Test (JEE) (Main) Bachelor of Engineering (B.E.) or Bachelor of Technology (B.Tech.) over the candidates who obtained non zero score in PCM MHT CET;

OR

- (iii) The candidate should have passed 10+2 examination or its equivalent examination with Physics and Chemistry as compulsory subjects along with Mathematics or Biotechnology or Biology or Technical Vocational subject or Computer Science or Information Technology or Informatics Practices or Agriculture or Engineering Graphics or Business Studies or Electronics or Entrepreneurship and obtained at least forty five percent marks (at least forty per cent. marks, in case of Reserved categories, Economically Weaker Section and Persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together and obtained non zero positive score in Joint Entrance Test (JEE) (Main) Bachelor of Engineering (B.E.) or Bachelor of Technology (B.Tech.) or National Eligibility cum Entrance Test (NEET) or the candidate should have appeared in all the subjects in MHT-CET (PCM or PCB) and obtained non zero score in MHT-CET conducted by the Competent Authority is eligible for admissions Provided that, preference shall be given to the candidate obtaining non zero positive score in Joint Entrance Test (JEE) (Main) Bachelor of Engineering (B.E.) or Bachelor of Technology (B.Tech.) or National Eligibility cum Entrance Test (NEET) over the candidates who obtained non zero score in MHT-CET;

OR

- (iv) The candidate should have passed minimum three years Diploma in Engineering and Technology and obtained at least forty five per cent. marks (at least forty percent marks, in case of Reserved categories, Economically Weaker Section and Persons with Disability candidates belonging to Maharashtra State only) ;

OR

(v) Passed three years Diploma of Vocation (D.Voc.) Stream in the same or allied sector;

**(3) Non Resident Indian (NRI) or Overseas Citizen of India (OCI) or Person of Indian Origin (PIO), Children of Indian workers in the Gulf countries, Foreign National Candidature Candidate -**

(i) The candidate should have passed 10+2 examination or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical Vocational subject or Computer Science or Information Technology or Informatics Practices or Agriculture or Engineering Graphics or Business Studies or Electronics or Entrepreneurship and obtained at least forty five percent marks in the above subjects taken together;

OR

(ii) The candidate should have passed 10+2 examination or its equivalent examination with Physics and Chemistry as compulsory subjects along with one of the Mathematics or Biotechnology or Biology or Technical Vocational subject or Computer Science or Information Technology or Informatics Practices or Agriculture or Engineering Graphics or Business Studies or Electronics or Entrepreneurship and obtained at least forty five percent marks is eligible for admission.

and

(iii) Any other eligibility conditions and requirements declared from time to time by the appropriate authority as defined under the Act.

**B. Direct Second Year (Lateral Entry) – Engineering / Technology (3 Years duration)**

**For Maharashtra State Candidature Candidate and All India Candidature Candidate.-**

The candidate,-

(i) should be a citizen of India;

(ii) should have passed minimum three years or two years (Lateral Entry) Diploma Course in Engineering and Technology with at least forty five per cent. marks ( at least forty per cent. marks in case of Candidates of Reserved categories, Economically Weaker Section and Persons with Disability category belonging to Maharashtra State) in any branch of Engineering and Technology from an All India Council for Technical Education (AICTE) or Central Government or State Government approved Institution or its equivalent;

OR

(iii) should have passed B.Sc. Degree from a University Grants Commission (UGC) or Association of Indian Universities recognized University with at least forty five per cent. marks ( at least forty per cent. marks in case of candidates of Reserved categories, Economically Weaker Section and Persons with Disability category belonging to Maharashtra State) and passed HSC or its equivalent examination with Mathematics as a subject;

OR

(iv) should have passed three years D.Voc. Stream in the same or allied sector; and

(v) Any other eligibility criteria and requirement declared from time to time by the appropriate authority as defined under the Act.

i. Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.

**As above.**

ii. Mention the minimum Level of acceptance, if any

**As above.**

iii. Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years.

Year	Branch	CET Percentile Score	JEE Percentile Score
2023-24	Civil Engineering	1.68	6.43
	Computer Engineering	2.91	7.56
	Electrical Engineering	5.02	7.59
	Mechanical Engineering	2.08	2.68
2024-25	Civil Engineering	4.10	4.28
	Computer Engineering	1.62	3.44
	Electrical Engineering	0.48	1.84
	Mechanical Engineering	1.71	1.30
2025-26	Civil Engineering	3.18	15.94
	Computer Engineering	0.11	8.05
	Electrical Engineering	1.32	4.87
	Mechanical Engineering	0.85	9.86

iv. Display marks scored in Test etc. and in aggregate for all candidates who were admitted

Year	Branch	Total aggregate Marks in HSC
2023-24	Civil Engineering	56.70
	Computer Engineering	64.12
	Electrical Engineering	61.17
	Mechanical Engineering	57.70
2024-25	Civil Engineering	60.63
	Computer Engineering	65.75
	Electrical Engineering	63.48
	Mechanical Engineering	60.85
2025-26	Civil Engineering	57.04
	Computer Engineering	60.95
	Electrical Engineering	60.14
	Mechanical Engineering	57.45

### **13. List of Applicants :**

List of candidate whose applications have been received along with percentile / percentage score for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats:-

**Management Quota seat are surrender to CAP Seat every year.**

### **14. Results of Admission Under Management seats / Vacant seats**

- i. Composition of selection team for admission under Management Quota
- ii. List of candidate who have been offered admission :
- iii. Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate :

**Management Quota seat are surrender to CAP Seat every year.**

### **15. Information of Infrastructure and Other Resources Available :**

- i. Number of Class Rooms and size of each : **12 (each of 92 sqm.)**
- ii. Number of Tutorial rooms and size of each : **5 (average of 52 sqm.)**
- iii. Number of Laboratories and size of each : **39 (average of 94 sqm.)**
- iv. Number of Computer Centres with capacity of each : **2 (60 students)**
- v. Central Examination Facility, Number of rooms and capacity of each : **12 (60 students)**
- vi. Online examination facility (Number of Nodes, Internet band width, etc.) :
  - **150 Nodes**
  - **BSNL 100 Mbps Leased Line,**
  - **BSNL Fibre Premium Plus 200 Mbps (2 connections)**
- vii. Barrier Free Built Environment for disabled and elderly persons : **Available**

viii. Fire and Safety Certificate :

Fire Brigade unit  
Municipal Council Wardha

Letter No : 519/FBU/MC/WRD

DATE : 10/12/2025

To,  
M/S Bajaj institute of technology  
Pipri wardha

**Sub:- Fire Fitness Certificate.**

Ref :- Your application Dt. 20/11/2025

Fire Fitness Certificate is here by granted M/S Bajaj institute of technology Pipri wardha

This Fitness Certificate is issued on the basis of my Inspection Dt.17/10/2025 and form issued by Licensed Agency Name vishwakarma & associates(License No. MFS/LA/F-03/RD-458) regarding the compliance of the fire prevention and Life Safety measures.

As per the Maharashtra fire prevention and Life Safety measures act 2006 the owner / occupier of the building shall have to submit certificate by Licensed agency in the month of January and July to this office.

The fire fitness certificate is valid up to Dt.20/06/2026.



*Ashutosh*  
अग्निशमन अधिकारी  
अग्निशमन विभाग  
नगर परिषद, वर्धा

**ix. Hostel Facilities:**

**Boys Hostel :**

No.	Particulars	Details
1	Category	Boys
2	Building Name	BIT Boys Hostel
3	Number of rooms having	Number of rooms having 2 students per room : 60
4	Area (in Sqm)	3000
5	Tot no of students in the Hostel	120
6	Reservation Room	Yes
7	Backup Supply	Yes
8	Library Facility	Yes
9	Internet Facility	Yes

**Girls Hostel :**

No.	Particulars	Details
1	Category	Girls
2	Building Name	BIT Girls Hostel
3	Number of rooms having	Number of rooms having 2 students per room : 60
4	Area (in Sqm)	3000
5	Tot no of students in the Hostel	120
6	Reservation Room	No
7	Backup Supply	Yes
8	Library Facility	Yes
9	Internet Facility	Yes

**x. Number of Library books / ebooks / Titles / Journals available (Programme- wise)**

Number of Library Books : **10673**

Number of Library Titles : **2882**

Number of National Journals : **25**

**xi. List of online National / International journals subscribed :**

Sr. No.	Title	Publisher	Subscription From	Subscription To
01	Applied Economics	IUP Publications, Hyderabad	Jan 2026	Dec 2026
02	Computer Sciences	IUP Publications, Hyderabad	Jan 2026	Dec 2026
03	Information Technology	IUP Publications, Hyderabad	Jan 2026	Dec 2026
04	IUP Journal of Electrical & Electronics Engineering	IUP Publications, Hyderabad	Jan 2026	Dec 2026

05	IUP Journal of Structural Engineering	IUP Publications, Hyderabad	Jan 2026	Dec 2026
06	IUP Mechanical Engineering	IUP Publications, Hyderabad	Jan 2026	Dec 2026
07	Operations Management	IUP Publications, Hyderabad	Jan 2026	Dec 2026
08	Journal of Ramanujan Mathematical Society	RMS, Mysore	Jan 2026	Dec 2026
09	Journal of Structural Engineering	SERC, Chennai	Apr 2026	Mar 2027
10	New Building Materials & Construction World	NBM Media Pvt. Ltd., New Delhi	May 2026	Apr 2027
11	Ieema Journal	Ieema , Mumbai	Jan 2026	Dec 2026
12	IETE Journal of Education	IETE, New Delhi	Jan 2026	Dec 2026
13	IETE Journal of Research	IETE, New Delhi	Jan 2026	Dec 2026
14	IETE Technical Review	IETE, New Delhi	Jan 2026	Dec 2026
15	Indian Journal of Chemical Technology	NIScPR, New Delhi	Jan 2026	Dec 2026
16	Indian Journal of Engineering and Material Science	NIScPR, New Delhi	Jan 2026	Dec 2026
17	Indian Journal of History of Science	INSA, New Delhi	Jan 2026	Dec 2026
18	Indian Journal of Pure & Applied Mathematics	INSA, New Delhi	Jan 2026	Dec 2026
19	Proceedings of the Indian National Science Academy	INSA, New Delhi	Jan 2026	Dec 2026
20	The Indian Concrete Journal	ACC Ltd, Thane	Jan 2026	Dec 2026
21	Resonance	IAS, Bangalore	Jan 2026	Dec 2026
22	Power Engineering Journal	Indian Journal.com Diva Enterprises Pvt. Ltd., New Delhi	Jan 2026	Dec 2026
23	Indian Journal of Geosynthetics and Ground Improvement	Indian Journal.com Diva Enterprises Pvt. Ltd., New Delhi	Jan 2026	Dec 2026
24	Journal of Indian Water Works Association	IWWA, Mumbai	Jan 2026	Dec 2026
25	Competition Success Review	CSR, New Delhi	Jan 2026	Dec 2026

- xii.** National Digital Library (NDL) subscription details :
- a. NDL Membership No. INMHNC4IYZXAJHF
  - b. Knimbus Off Campus Access + OA

xiii. List of Major Equipment / Facilities in each Laboratory / workshop

**(A) First Year Laboratories :**

**Lab. 1 :**

Sr. No	Particulars	Details
1	Name of the Laboratory	Engineering Mechanics
2	Major Equipments in the Laboratory	1. Bell crank Lever 2. Winch crab single purchase 3. Winch crab double purchase 4. Geared Pulley Block worm gear type
3	No. of PCs available	Nil
4	Amount spent till date	1,65,056/-
5	First Aid Facility	Yes

**Lab. 2 :**

Sr. No	Particulars	Details
1	Name of the Laboratory	Engineering Chemistry
2	Major Equipments in the Laboratory	1. Kinetic Viscometer Bath 2. Interfacial tension meter 3. Redwood Viscometer no. 2 4. Redwood Viscometer no. 1 5. Viscosity by Posilluce's method 6. Conductivity meter 7. Surface Tension by Water 8. pH meter 9. Digital Balance 10. Magnetic stirrer
3	No. of PCs available	01
4	Amount spent till date	4,27,150/-
5	First Aid Facility	Yes

**Lab. 3 :**

Sr. No	Particulars	Details
1	Name of the Laboratory	Physics lab
2	Major Equipments in the Laboratory	1) Hall Effect Training System 2) Resistivity and Band Gap Measurement 3) Vernier Height Gauge 4) Newton's Ring Apparatus 5) Half Shade Polari meter 6) e/m Measurement Setup 7) Measurement of wavelength of laser 8) Semiconductor Energy Band Gap kit 9) G.M. Counter 10) Diode characteristic trainer kit
3	No. of PCs available	01
4	Amount spent till date	4,94,200/-
5	First Aid Facility	Yes

**Lab. 4 :**

Sr. No	Particulars	Details
1	Name of the Laboratory	Language lab
2	Major Equipments in the Laboratory	Computer System
3	No. of PCs available	24
4	Amount spent till date	11,60,500/-
5	First Aid Facility	Yes

**Lab. 5 :**

Sr. No	Particulars	Details
1	Name of the Laboratory	Basic Electrical Engineering
2	Major Equipments in the Laboratory	1. Inductive load bank 2. Resistive load bank 3. Three phase auto transformer
3	No. of PCs available	01
4	Amount spent till date	1,26,748/-
5	First Aid Facility	Yes

**(B) Civil Engineering Laboratories****Lab. 6 :**

Sr. No	Particulars	Details
1	Name of the Laboratory	Strength of Materials
2	Major Equipments in the Laboratory	1. Universal Testing Machine Computerized 2. Strain Rosettes 3. Impact testing Machine 4. Rock Well Cum Brinell Hardness Tester
3	No. of PCs available	01
4	Amount spent till date	12,35,968/-
5	First Aid Facility	Yes

**Lab. 7 :**

Sr. No	Particulars	Details
1	Name of the Laboratory	Engineering Geology
2	Major Equipments in the Laboratory	1. Mineral 2. Rock Specimen 3. 3D Geological Map of India
3	No. of PCs available	Nil
4	Amount spent till date	1,37,281/-
5	First Aid Facility	Yes

**Lab. 8 :**

Sr. No	Particulars	Details
1	Name of the Laboratory	Concrete Technology
2	Major Equipments in the Laboratory	1. Flexure Testing Machine 2. Concrete Mixer

		3. Accelerated Curing Tank 4. Vibrating Table
3	No. of PCs available	Nil
4	Amount spent till date	9,08,564/-
5	First Aid Facility	Yes

**Lab. 9 :**

Sr. No	Particulars	Details
1	Name of the Laboratory	Soil Mechanics / Geotechnical Engineering
2	Major Equipments in the Laboratory	1. Consolidation Apparatus 2. Plate Bering Test Apparatus 3. Unconfined Compression Apparatus 4. C. B. R. Apparatus 5. Standard Penetration Test 6. Tri axial Outfit
3	No. of PCs available	Nil
4	Amount spent till date	18,56,400/-
5	First Aid Facility	Yes

**Lab. 10 :**

Sr. No	Particulars	Details
1	Name of the Laboratory	Transportation Engineering
2	Major Equipments in the Laboratory	1. Modified Roughness Indicating Machine Merlin 2. Benklman Beam 3. Compression Testing Machine 4. Ductility Testing Machine 5. Los Angeles Abrasion Test 6. Field C.B.R. Test 7. Marshall Apparatus
3	No. of PCs available	Nil
4	Amount spent till date	11,96,369/-
5	First Aid Facility	Yes

**Lab. 11:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Surveying Lab
2	Major Equipments in the Laboratory	1. Total Station 2. Theodolites 3. Levels
3	No. of PCs available	Nil
4	Amount spent till date	4,91,907/-
5	First Aid Facility	Yes

**Lab. 12:**

Sr. No	Particulars	Details
1	Name of the Laboratory	CAD Lab
2	Major Equipments in the Laboratory	1. Computers (20) 2. Etabs Software (10)

		3. SAFE Software (10) 4. Plotter (1)
3	No. of PCs available	20
4	Amount spent till date	24,34,661/-
5	First Aid Facility	No

**Lab. 13:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Environmental Engineering Lab.
2	Major Equipments in the Laboratory	1. Turbidity Meter 2. Jar Test Apparatus 3. Spectrometer
3	No. of PCs available	0
4	Amount spent till date	1,40,739/-
5	First Aid Facility	No

**Lab. 14:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Instrumentation & Structural Health Monitoring Lab.
2	Major Equipments in the Laboratory	1. Rebound Hammer, 2. Cell Potential Meter 3. Ultrasonic Meter 4. Rebar Detector 5. Core Cutter
3	No. of PCs available	0
4	Amount spent till date	5,85,169/-
5	First Aid Facility	No

**(C) Computer Engineering Laboratories :**

**Lab. 15:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Object Oriented Programming Lab
2	Major Equipments in the Laboratory	Computer System
3	No. of PCs available	25
4	Amount spent till date	6,79,550/-
5	First Aid Facility	Yes

**Lab. 16:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Web Technology Lab
2	Major Equipments in the Laboratory	Computer System
3	No. of PCs available	25
4	Amount spent till date	6,79,550/-
5	First Aid Facility	Yes

**Lab. 17:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Database Information & System Lab
2	Major Equipments in the Laboratory	GFB-06
3	No. of PCs available	24
4	Amount spent till date	13,31,244/-
5	First Aid Facility	Yes

**Lab. 18:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Artificial Intelligence & Machine Learning Lab
2	Major Equipments in the Laboratory	Computer System
3	No. of PCs available	24
4	Amount spent till date	13,31,244/-
5	First Aid Facility	Yes

**Lab. 19:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Open Source Lab.
2	Major Equipments in the Laboratory	Computer System
3	No. of PCs available	25
4	Amount spent till date	8,91,625/-
5	First Aid Facility	No

**Lab. 20:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Digital Electronics & Microprocessor
2	Major Equipments in the Laboratory	1. Digital trainer kit (16 bit) 2. Digital trainer kit (8 bit) 3. Digital IC tester
3	No. of PCs available	01
4	Amount spent till date	2,57,739/-
5	First Aid Facility	Yes

**(D) Electrical Engineering Laboratories :****Lab. 21:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Principles of Electrical Machine Design
2	Major Equipments in the Laboratory	1. Home Electrical wiring system with ceiling Fan 2. Transformer Designing Accessories
3	No. of PCs available	01

4	Amount spent till date	95,875/-
5	First Aid Facility	Yes

**Lab. 22:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Electrical Machines II
2	Major Equipments in the Laboratory	1. Synchronous Motor Trainer with panel and motor with loading 3hp, 3ph Arrangement. 2. Three phase induction motor lab setup. (1.5HP/415V/1440RPM, 3-phase squired cage. 3. Single phase induction motor lab setup. (1.5HP/230V/1390RPM. 4. Synchronous Machine Synchronization set up.
3	No. of PCs available	01
4	Amount spent till date	10,08,546/-
5	First Aid Facility	Yes

**Lab. 23:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Electrical Machine I
2	Major Equipments in the Laboratory	1. Induction motor compound generator 2. Advanced DC shunt motor 3. Single phase transformer 4. DC power supply
3	No. of PCs available	01
4	Amount spent till date	5,02,430 /-
5	First Aid Facility	Yes

**Lab. 24:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Electrical Measurement & Instrumentation
2	Major Equipments in the Laboratory	1. Temperature Transducer Trainer 2. Strain gauge Trainer 3. LVDT Trainer
3	No. of PCs available	01
4	Amount spent till date	97,264 /-
5	First Aid Facility	Yes

**Lab. 25:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Power System
2	Major Equipments in the Laboratory	1. Fault Analysis Trainer 2. String Efficiency Trainer 3. Generator Trainer with Motor 4. Earth Tester (Digital) 5. Cable Fault Locator 6. Insulation Tester (Megger) 7. Transmission Line Trainer Kit
3	No. of PCs available	01

4	Amount spent till date	3,06,918/-
5	First Aid Facility	Yes

**Lab. 26:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Power Electronics
2	Major Equipments in the Laboratory	1. DC to DC converter panel 2. Three phase fully controlled converter with R and RL load 3. Three phase PWM inverter trainer kit 4. Power Electronics trainer
3	No. of PCs available	1
4	Amount spent till date	3,09,851/-
5	First Aid Facility	Yes

**Lab 27:**

Sr. No	Particulars	Details
1	Name of the Laboratory	High Voltage Lab
2	Major Equipments in the Laboratory	1. Horn Gap apparatus 2. Track and tree development apparatus 3. 100kV motorized oil test kit 4. 10kV, 10mA DC high voltage tester 5. 30kV, 30mA DC high voltage tester
3	No. of PCs available	01
4	Amount spent till date	6,25,400/-
5	First Aid Facility	Yes

**Lab 28:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Numerical methods and programming lab
2	Major Equipments in the Laboratory	1. MW-MATLAB 2. MW- Simulink 3. Viewsonic IFP7552-1A 4. 10kV, 10mA Dc high voltage tester
3	No. of PCs available	1
4	Amount spent till date	6,45,820/-
5	First Aid Facility	Yes

**Lab 29:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Switchgear and Protection Lab
2	Major Equipments in the Laboratory	1. Overcurrent relay test setup 2. Differential protection of transformer test setup 3. Busbar Protection test setup
3	No. of PCs available	01
4	Amount spent till date	3,26,772/-
5	First Aid Facility	Yes

**Lab 30 :**

Sr. No	Particulars	Details
1	Name of the Laboratory	Basic Electronics Lab.
2	Major Equipments in the Laboratory	
3	No. of PCs available	1
4	Amount spent till date	3,09,716/-
5	First Aid Facility	Yes

**Lab 31:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Network Analysis Lab.
2	Major Equipments in the Laboratory	200MHz 4 Channel Digital Storage Oscilloscope 031818
3	No. of PCs available	01
4	Amount spent till date	2,27,216/-
5	First Aid Facility	Yes

**Lab 32:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Solid State Devices Lab.
2	Major Equipments in the Laboratory	
3	No. of PCs available	01
4	Amount spent till date	93,668/-
5	First Aid Facility	Yes

**(A) Mechanical Engineering Laboratories****Lab. 33:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Thermal Engineering Lab.
2	Major Equipments in the Laboratory	<ol style="list-style-type: none"> <li>1. Apparatus for determination of calorific value.</li> <li>2. Separating and throttling calorimeter.</li> <li>3. Reciprocating 2 stage air compressor.</li> <li>4. Air blower test rig.</li> <li>5. Red wood viscometer.</li> <li>6. Experimental Steam turbine Test Rig. Steam Boiler with Impulse turbine Setup.</li> <li>7. Five Gas Analyzer with column Dot Matrix Printer.</li> <li>8. Two stage, 2 Cylinder, 2 HP Reciprocating air compressor.</li> <li>9. Air Blow Test Rig</li> </ol>
3	No. of PCs available	01
4	Amount spent till date	17,75,378/-
5	First Aid Facility	Yes

**Lab. 34:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Theory of Machine - I
2	Major Equipments in the Laboratory	1. Slider cranks mechanism. 2. Hook's coupling. 3. Corolies Component of Acceleration
3	No. of PCs available	None
4	Amount spent till date	1,49,124/-
5	First Aid Facility	Yes

**Lab. 35:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Theory of Machine - II
2	Major Equipments in the Laboratory	1. Synchronesh Gear Box. 2. Industrial Gear Box. 3. Differential Gear Box. 4. Involute Gear Tooth Profile. 5. Cam Analysis Apparatus. 6. Lubricating System of an Automobile. 7. Rope Brake Dynamometer. 8. Prony Brake Dynamometer. 9. Universal Governor Apparatus. 10. Motorized Gyroscope. 11. Balancing of Rotating Masses. 12. Universal Vibration Lab. 13. Epicyclical Gear Train Set up.
3	No. of PCs available	None
4	Amount spent till date	4,81,854/-
5	First Aid Facility	Yes

**Lab. 36:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Heat Transfer
2	Major Equipments in the Laboratory	1. Thermal Conductivity of Metal Bar. 2. Thermal Conductivity of Insulating powder. 3. Heat Transfer through Composite Slab Apparatus. 4. Heat Transfer from Pin -Fin Apparatus. 5. Heat Transfer through Natural Convection. 6. Heat Transfer in Forced Convection. 7. Combined Parallel Flow , Counter Flow & Cross. 8. Shell & Tube Heat Exchanger Steam to Water. 9. Emissivity Measurement Apparatus. 10. Stefan Boltzmann Apparatus.
3	No. of PCs available	None
4	Amount spent till date	4,66,832/-
5	First Aid Facility	Yes

**Lab. 37:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Internal Combustion Engine
2	Major Equipments in the Laboratory	1. Four Stroke Single Cylinder Diesel Engine Test. 2. Exhaust Gas Calorimeter. 3. Four Stroke Single Cylinder Petrol Engine Test.
3	No. of PCs available	None
4	Amount spent till date	7,04,839/-
5	First Aid Facility	Yes

**Lab. 38:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Material Science and Metallurgy
2	Major Equipment's in the Laboratory	1. Binocular metallurgical Microscope. 2. Dry belt surface. 3. Dry penetrant test kit. 4. Hand grinder. 5. Prepared Samples.
3	No. of PCs available	None
4	Amount spent till date	74,402/-
5	First Aid Facility	Yes

**Lab. 39:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Metrology and Quality Control
2	Major Equipments in the Laboratory	1. Roughness Tester. 2. Profile Projector. 3. Floating Carriage. 4. Vernier Gear Tooth. 5. Vernier caliper 6. Micrometer 7. Slip Gauge Set. 8. Slip Gauge Set. 9. Vernier Depth Gauge. 10. Sine bar 11. Micrometer Stand. 12. Angle Block Set. 13. Mechanical Comparator Stand. 14. Pneumatic Comparator. 15. Dial indicator Range: 10mm. 16. Straight Edge 500 mm length 300. 17. Straight Edge 600 mm length 450. 18. Spirit Level 12". 19. Optical Flat. 20. Sodium Monochromatic Light Unit. 21. Tool Makers microscope 'Metzer'. 22. Surface Plate with Stand. 23. Magnetic Dial Stand.

3	No. of PCs available	01
4	Amount spent till date	10,38,797/-
5	First Aid Facility	Yes

**Lab. 40:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Refrigeration and Air Conditioning
2	Major Equipment's in the Laboratory	1. Refrigeration Test Rig. For Vapour Compression. 2. Vortex Tube Refrigeration System. 3. Vapour Absorption Refrigeration Trainer. 4. Air Conditioner Trainer.
3	No. of PCs available	None
4	Amount spent till date	4,52,543/-
5	First Aid Facility	Yes

**Lab. 41 :**

Sr. No	Particulars	Details
1	Name of the Laboratory	Fluid Mechanics
2	Major Equipments in the Laboratory	1. Bernoulli's Apparatus. 2. Ogee Weir, Broad crested & Venturimeter. 3. Centrifugal pump set. 4. Helshaw apparatus. 5. Impact of jet on vanes. 6. Major loss in pipe. 7. Minor loss in pipe. 8. Metacentric height of ship. 9. Discharge through notches. 10. Multistage centrifugal pump. 11. Discharge through orifice & mouthpiece. 12. Combine orifice & venturimeter. 13. Pressure measurement by manometer. 14. Reynolds apparatus. 15. Tilting flume.
3	No. of PCs available	None
4	Amount spent till date	12,20,342/-
5	First Aid Facility	Yes

**Lab. 42:**

Sr. No	Particulars	Details
1	Name of the Laboratory	Manufacturing Processes (Additional Workshop)
2	Major Equipments in the Laboratory	1. Universal milling machine. 2. Power press machine. 3. Tig welding machine. 4. Mig welding machine. 5. Plasma cutting machine. 6. CNC Lathe Trainer Model. 7. CNC Mill Trainer Model. 8. EDM (Spark Erosion Machine). 9. 3D Printer

3	No. of PCs available	None
4	Amount spent till date	31,90,389/-
5	First Aid Facility	Yes

## WORKSHOP (w/s) (400 m<sup>2</sup>)

### Shop 1 :

Sr. No.	Particulars	Details
1	Name of the Laboratory	Welding Shop
2	Major Equipments in the Laboratory	1. Arc Welding Machine 2. Bench Grinder 3. Bench Drill Machine 4. Pillar Drill Machine
3	No. of PCs available	01 No.
4	Amount spent till date	1,68,446/-
5	First Aid Facility	Yes

### Shop 2 :

Sr. No.	Particulars	Details
1	Name of the Laboratory	Fitting & Plumbing Shop
2	Major Equipments in the Laboratory	1. Bench Drill Machine
3	No. of PCs available	Nil
4	Amount spent till date	1,48,309/-
5	First Aid Facility	Yes

### Shop 3 :

Sr. No.	Particulars	Details
1	Name of the Laboratory	Machine Shop
2	Major Equipments in the Laboratory	1. Center Lathe Machine 2. Bench Grinder 3. Hydraulic Power Saw
3	No. of PCs available	Nil
4	Amount spent till date	25,65,288/-
5	First Aid Facility	Yes

### Shop 4 :

Sr. No.	Particulars	Details
1	Name of the Laboratory	Sheet Metal Shop
2	Major Equipments in the Laboratory	1. Spot Welding Machine
3	No. of PCs available	Nil
4	Amount spent till date	44,550/-
5	First Aid Facility	Yes

### Shop 5 :

Sr. No.	Particulars	Details
1	Name of the Laboratory	Carpentry Shop
2	Major Equipments in the Laboratory	1. Wood Turning Machine 2. Carpentry Vice
3	No. of PCs available	Nil
4	Amount spent till date	1,29,735/-
5	First Aid Facility	Yes

#### xiv. List of Experimental Setup in each Laboratory / Workshop

##### (A) Civil Engineering Laboratories:

###### A. Strength of Materials :

- a. Tension test on ferrous and non-ferrous alloys (mild steel / cast iron /aluminium etc.)
- b. Compression test on mild steel, aluminium, concrete, and wood.
- c. Shear test on mild steel and aluminium (single and double shear tests).
- d. Torsion test on mild steel and cast iron solid bars and pipes.
- e. Flexure test on timber and cast iron beams.
- f. Deflection test on mild steel and wooden beam specimens.
- g. Graphical solution method for principal stress problems.
- h. Impact test on mild steel, brass, Aluminium, and cast iron specimens.
- i. Experimental on thermal stresses.
- j. Strain measurement involving strain gauges / rosette

###### B. Engineering Geology :

Study of relevant rock and mineral samples. Detailed report is expected.

- a. Megascopic study of Rock forming minerals
- b. Megascopic study of Ore forming minerals
- c. Megascopic study of Igneous rocks
- d. Megascopic study of Secondary rocks
- e. Megascopic study of Metamorphic rocks
- f. Cross-section Preparation and interpretation of geological maps
- g. Study of Structural Geological models
- h. Preparation of bore log /lithologs
- i. Interpretation of bore- hole data

###### C. Concrete Technology :

- a. Testing of Cement: Consistency, Fineness, Setting Time, Specific Gravity
- b. Soundness and Strength Test for Cement
- c. Testing of Aggregates: Specific Gravity, Sieve Analysis, Bulking
- d. Placement Tests on Concrete: Workability Tests: Slump, Compaction
- e. Strength Tests on Concrete: Compression, Flexure, Split & Tensile Test
- f. Effects of Admixture: Accelerator, Retarder, Super Plasticizer
- g. Exercise and verification of Concrete Mix Design

**D. Soil Mechanics / Geotechnical Engineering :**

- a. Specific gravity determination of coarse and fine grained soil
- b. Particle size distribution-Mechanical sieve analysis, wet sieve analysis
- c. Determination of Atterberg's consistency limit
- d. Permeability- Determination of coefficient of permeability
- e. Field density determination
- f. Direct shear box test
- g. Procter compaction test
- h. Tri-axial test
- i. Unconfined compression test
- j. One dimensional consolidation test

**E. Transportation Engineering:****a. Tests on Aggregates:**

1. Shape Test
2. Specific Gravity and Water Absorption Test
3. Stripping Value Test
4. Soundness Test
5. CBR Test on Soil and Aggregates

**b. Test on Bituminous Materials :**

1. Penetration Test
2. Softening Point Test
3. Flash and Fire Point Test
4. Ductility Test
5. Viscosity Test
6. Specific Gravity Test
7. Demonstration of Marshall Test

**F. Surveying Lab**

- a. Chain and compass Traverse Survey.
- b. Study and use of dumpy level, auto level to determine elevation of various points.
- c. Study of Theodolite.
- d. Evaluation of constant of Planimeter, and use of Digital Planimeter for measurement of areas.
- e. Study and use of Total Station.
- f. Methods of plane table survey.
- g. Reciprocal Levelling.
- h. Illustration of Permanent adjustment of Dumpy Level
- i. Measurement of Horizontal Angle by Various Methods
- j. Measurement of Magnetic Bearing and Vertical Angle by Theodolite

**G. CAD Lab:**

- a. Architectural drawing (Plan, section & elevation of a building) apartment, row house etc
- b. Municipal drawing
- c. Center line plan

- d. Foundation plan
- e. Electrical / lighting layout
- f. Drainage layout
- g. Rain water Harvesting Drawing
- h. detailed analytical report for structural design and drawing of the G + 2 Building RC structures:

#### **H. Environmental Engineering Lab.:**

##### **a. Determination of:**

- 1) pH and Alkalinity, 2) Hardness, 3) Chlorides, 4) Chlorine demand and residual chlorine, 5) Turbidity and optimum dose of alum, 6) MPN, 7) Sulphates, 8) Fluorides and Iron, 9) Total Solids, Dissolved Solids & Suspended Solids, 10) Sludge Volume Index (SVI), 11) Dissolved Oxygen, 12) BOD and COD

#### **I. Instrumentation & Structural Health Monitoring Lab.:**

- a. Non-destructive Testing for Concrete

#### **(B) Computer Engineering Laboratories :**

##### **A. Data Structure Lab**

- a. Write programs to understand array operations(Insertion ,Deletion)
- b. Write a program to perform CRUD operations in structure
- c. Write a program in C to implement ADT for Rational and complex Numbers
- d. Write a program to implement hashing with Open addressing methods. (Linear probing and quadratic probing)
- e. Write a program to implement stack using arrays.
- f. Write a program to implement queue using arrays.
- g. Write a program to convert a given infix expression to postfix form using stacks.
- h. Write a program to evaluate a given postfix expression using stacks.
- i. Write a program to implement Singly Linked List
- j. Write a program to implement Doubly Linked List
- k. Write a program to create a binary search tree (BST) by considering the keys in given order and perform the following operations on it. (a) Insert into BST (b) Inorder Preorder and Postorder traversals
- l. Write programs for implementation of graph traversals by applying: (a) BFS (b) DFS. (Virtual Lab)

##### **B. Object Oriented Programming in JAVA Lab**

- a. Programs on Fundamental Concepts in JAVA.
- b. Programs on Control Statements
- c. Programs on Classes: String and Math.
- d. Write JAVA programs for
- e. Programs on Exception Handling.
- f. Programs on dealing with Arrays.
- g. Programs on Inheritance
- h. Programs on Polymorphism

- i. Programs on JAVASCRIPT client side scripting, Operators, Comparisons, Statements, Loops.
- j. Programs on JAVASCRIPT User defined functions, Validations using object functions
- k. Programs on JAVASCRIPT Validations using regular expressions.

### **C. Digital Electronics Lab**

- a. Study of gates – AND; OR; NOT; NAND; NOR; EX-OR; EX-NOR
- b. Verification of Boolean Theorems using basic gates.
- c. Design a circuit to convert a binary number to its two's complement representation.
- d. Design and realize a given function using K-maps and verify its performance.
- e. Verify a. Demorgan's Theorem for 2 variables. b. The SOP and POS expressions using universal gates.
- f. Design and implement a. Full Adder using basic logic gates. b. Full subtractor using basic logic gates.
- g. Implementation of 4x1 multiplexer using Logic Gates.
- h. To verify the truth tables of S-R; J-K; T and D type flip flops.
- i. Design, and Verify the 4- Bit Synchronous Counter.
- j. Design, and Verify the 4-Bit Asynchronous Counter.

### **D. Database Management Lab**

- a. Create a database schema and ERD for any application.
- b. Creating tables, Renaming tables, Data constraints (Primary key, Foreign key, Not Null), Data Insertion into a table.
- c. Execution of SET operations, aggregate functions
- d. On Created database perform Grouping of data
- e. Perform MySQL Built-In functions (mathematical, character functions)
- f. Implementation of Views and Joins in database
- g. Implementation of Joins in database & Sub-queries in MYSQL
- h. Apply Triggers (Creation of insert trigger, delete trigger, update trigger)
- i. Apply Normal Forms: First, Second, Third and Boyce Codd Normal Forms on Application database.
- j. Transaction Processing

### **E. Software Engineering Lab**

- a. To perform the system analysis: Requirement analysis, SRS.
- b. To perform the function oriented diagram: DFD and Structured chart.
- c. To perform the user's view analysis: Use case diagram.
- d. To draw the structural view diagram: Class diagram, object diagram.
- e. To draw the behavioral view diagram: Sequence diagram, Collaboration diagram.
- f. To draw the behavioral view diagram: State-chart diagram, Activity diagram.
- g. To draw the implementation view diagram: Component diagram.
- h. To draw the environmental view diagram: Deployment diagram.
- i. Create a Test case Design Document for any application.
- j. To perform various testing using the testing tool unit testing, integration testing.

## **F. Artificial Intelligence Lab**

- a. Introduction to Prolog language using family tree example.
- b. To solve the N-Queens Problem using Backtracking and Constraint Satisfaction in Prolog.
- c. To apply Constraint Satisfaction Problem (CSP) techniques to solve cryptarithmic problem: (SEND + MORE = MONEY).
- d. To understand the concept of constraint propagation and finite domain using the sudoku problem.
- e. To understand state space search algorithm using 3 missionaries 3 cannibals problem.
- f. To implement the Monkey-Banana problem to illustrate the concept of planning and problem-solving in AI. Also, demonstrate the use of trace and notrace command of the Prolog.
- g. To solve water-jug puzzle using Depth First Search (DFS) algorithm.
- h. To understand recursion in Prolog using Tower of Hanoi puzzle.
- i. To solve the 8-Puzzle Problem using DFS in Prolog.
- j. Implement traveling salesman problem using Prolog.
- k. To understand recursion in Prolog using factorial example

## **G. Cloud Computing Lab**

- a. Sketch out and analyze architecture of Moodle cloud portal and moodle cloud site and create different entities dynamically.
- b. Create a scenario in wordpress for Social Marketing, Search engine and Sharing Tools.
- c. Working in Cloud9 to demonstrate different language.
- d. Working in Codenvy to demonstrate Provisioning and Scaling of a website.
- e. Implement and configure Google App Engine to deploy Python Program application.
- f. Installation and configuration of virtual machine with guest OS.
- g. Demonstrate the use of map and reduce tasks.
- h. Implementation of SOAP Web services in C#/JAVA Applications.
- i. Categorize Amazon Web Service (AWS) and implement its various cloud entities using its Cloud Toolbox support.
- j. Implement and use sample cloud services with the help of Microsoft Azure.

## **H. Design and Analysis of Algorithms Lab**

- a. Introduction to Recursion
- b. Implementation of Binary search in iterative and recursive mode
- c. Implementation of finding maximum and minimum numbers using divide and conquer
- d. Implementation of merge sort/ quick sort
- e. Implementation of backtracking algorithms. Algorithm name: Sum of subsets
- f. Implementation of backtracking algorithms. Algorithm name: n queen problem
- g. Implementation of Greedy algorithms. Algorithm name: job sequencing with deadlines

- h. Implementation of Greedy algorithms. Algorithm name: minimum cost spanning tree
- i. Implementation of Dynamic Programming algorithms. Algorithm name: Largest common subsequence
- j. Implementation of Dynamic Programming algorithms. Algorithm name: Floyd Warshells algorithm

### **I. Python Programming Lab**

- a. Write a program to demonstrate use of basic input and output functions of python
- b. Write a program to demonstrate applications of list in python
- c. Write a program to demonstrate working of all strings in Python
- d. Write a program to demonstrate the implementation of function in python.
- e. Write a program to demonstrate the implementation of Dictionaries in python.
- f. Write a program to demonstrate the working of text files in python
- g. Write a program to demonstrate the working of binary files in python
- h. Write a program to demonstrate the working of CSV files in python
- i. Write a program to demonstrate the implementation of classes and objects in Python
- j. Write a program to demonstrate the connection of Python and SQLite Database  
Database Schema: Table Name: Employee EmpId integer, FirstName varchar (20), LastName varchar (20), Email Varchar (25), PhoneNo varchar (25), Salary integer
- k. Write a program to demonstrate the visualization of data using Python Library “Matplotlib”

### **J. Competitive Programming Lab**

- a. Introduction to online judge Program 1: The  $3n + 1$ , Program 2: Minesweeper
- b. Introduction to online judge Program 1: LCD Display, Program 2: Interpreter
- c. Elementary Data Structures Program 1: Jolly Jumpers, Program 2: Poker Hands
- d. Elementary Data Structures Program 1: Hartal, Program 2: Stack them up
- e. Strings Program 1: WERTYU, Program 2: Crypt Kicker II
- f. Strings Program 1: Common Permutation, Program 2: Where’s Waldorf?
- g. Sorting: Program 1: Vito’s Family, Program 2: Stacks of Flapjacks
- h. Sorting: Program 1: Longest Nap, Program 2: Shoemaker’s Problem
- i. Arithmetic and Algebra Program 1: Primary Arithmetic, Program 2: Reverse and Add
- j. Arithmetic and Algebra Program 1: Ones, Program 2: The Stern-Brocot Number System

### **K. Machine Learning Lab :**

- a. a) Creating and loading different datasets in Python.  
b) Reshaping, Filtering, Scaling, Merging the data and Handling the missing values in datasets.
- b. Study the use of metrics and scoring to quantify the quality of a model’s prediction and plot the graphs
- c. Implement linear regression in Python on a given dataset.
- d. Build a decision tree model for a given dataset

- e. Implement Naïve Bayes Classifier using sklearn library
- f. Write a Python program to implement Logistic Regression and plot the graphs.
- g. Build Support Vector Machine (SVM) model
- h. Train the Neural Network on a given dataset
- i. Apply Ensemble learning and evaluate the prediction
- j. Implement K-means Clustering algorithm and evaluate its performance

**(C) Electrical Engineering Laboratories :**

**A. Principles of Electrical Machine Design :**

- a. Symbols used in Electrical Engineering
- b. Design and assembly of Choke with design report.
- c. Design and assembly of Starter with design report.
- d. Design and layout of simplex lap winding (Detailed Drawing Sheet)
- e. Design and layout of wave winding (Detailed Drawing Sheet)
- f. Design and layout of ac lap winding (Detailed Drawing Sheet)
- g. Design and assembly of transformer with design report. (Detailed Sheet for General Assembly of transformer)
- h. Design and assembly of three phase induction Motor with design report.(Detailed Sheet for General Assembly of Induction Motor)
- i. Complete any two drawings sheets with the help of Computer Aided Design Software like AUTOCAD)

**B. Electrical Machines II**

- a. Determination of sequence impedances of salient pole synchronous machine To perform
- b. Determination of  $X_d$  and  $X_q$  of a salient pole synchronous machine from slip test.
- c. V and inverted V curves of a 3-phase synchronous motor
- d. Regulation of alternator by Direct loading method (R,L,C load)
- e. Regulation of alternator by synchronous impedance method
- f. Regulation of alternator by MMF method
- g. Parallel operation of Synchronous generator
- h. To study different types of starters for three phase Squirrel cage induction motor
- i. Rotor resistance starter for slip ring induction motor.
- j. To conduct no load and blocked rotor test and to determine performance characteristics of three
- k. phase induction motor from circle diagram
- l. Load and block rotor tests on squirrel cage induction motor
- m. Brake test on slip ring induction motor
- n. To control speed of wound rotor induction motor by rotor resistance control method
- o. To control speed of induction motor by V/F
- p. To control speed of induction motor by i) star-delta ii) autotransformer

**C. Electrical Machines I**

- a. To perform the polarity test on single phase transformer
- b. To perform the transformation ratio test on single phase transformer

- c. To perform the following three phase transformer connections:
  - 1) Star-star                      2) Star-Delta
  - 3) Delta – Delta                4) Delta –Star
  - 5) Open Delta                    6) Scott Connection
- d. To perform the direct loading test on three phase transformer to calculate efficiency and regulation
- e. To perform the indirect loading test on three phase transformer to calculate efficiency
- f. To perform the parallel operation of two single phase transformers.
- g. To study D. C. Machine
- h. To draw the speed characteristics of DC shunt motor by- (1) Armature Control method (2) Field Control method
- i. To perform the load test on DC Shunt motor.
- j. To study the load characteristics of DC generator
  - 1) Cumulative compound generator. 2) Differential compound Generator
- k. To study the magnetization ,internal and External characteristics of a D. C. generator
- l. To Study Starters for DC Shunt Motor.

#### **D. Electrical Measurement & Instrumentation**

- a. Measurement of Low resistance by Kelvin Double bridge.
- b. Measurement of High resistance and Insulation resistance using Megger.
- c. Measurement of Inductance by Maxwell bridge, Hays bridge, Anderson bridge.
- d. Measurement of Capacitance by De Sauty bridge, Schering bridge.
- e. Measurement of Earth resistance using Earth Tester.
- f. Study the extension of Voltmeter, Ammeter and Wattmeter.
- g. Measurement of three phase power by Two Wattmeter and One Wattmeter method.
- h. Study of types of instrument: PMMC, Moving Iron, Electro-dynamometer, Hot wire, Thermocouple, Induction, Electrostatic, Rectifier.
- i. Study of Energy Meter.
- j. Study of Instrument T/F and its types.
- k. Characterize the temperature sensor (RTD):
- l. Static Characteristics of RTD: Study the change in resistance of RTD probe depending on the process temperature.
- m. Dynamic characteristics: Study the dynamic response of RTD probe
- n. Characterize the Thermocouple:
- o. Static Characteristics of Thermocouple: Study the change in EMF of a thermocouple in
- p. response to the process temperature.
- q. Dynamic characteristics of Thermocouple: Study the dynamic response of
- r. Thermocouple.
- s. Characterize of LVDT: To find the effect of various parameters like change in supply
- t. voltage, change in supply frequency on output of given LVDT
- u. Characterize the strain gauge sensor:

- v. Study of Strain Gauge: To study the working principle of strain gauge.
- w. Study of effect of change in position of weight applied on Strain Gauge performance.
- x. Study of effect of change in temperature on the performance of Strain Gauge.
- y. Measurement of phase difference and frequency of a sinusoidal ac voltage using C.R.O.
- z. Study of storage oscilloscope and determination of transient response of RLC circuit.

#### **E. Power System**

- a. To study the layout of a Thermal Power Plant with its components.
- b. To study the layout, classification and components of a Hydro Power Plant.
- c. To study the alternator excitation system
- d. To study the types and properties of various Overhead insulators
- e. To study the types and properties of various Overhead Conductors.
- f. To study the Power cable and its various components and types.
- g. To study the layout of a substation along with its components
- h. To determine the ABCD parameters of a medium and long transmission line.
- i. To Visit a Thermal Power plant and write a technical report on the observations

#### **F. Power Electronics**

- a. V-I characteristics of various power electronics devices.(At least two devices SCR/MOSFET/IGBT/TRIAC/GTO)
- b. Experimental analysis of single phase uncontrolled converter
- c. Experimental analysis of single phase Half controlled converter
- d. Experimental analysis of single phase fully controlled converter
- e. Experimental analysis of three phase bridge inverter.
- f. Experimental analysis of BUCK /BOOST/BUCK -BOOST converter
- g. Simulation of Single phase Semi controlled converter
- h. Simulation of Single phase Fully controlled converter
- i. Simulation of Single phase inverter

#### **G. High Voltage Lab**

- a. Study of Faraday Cage for HV labs.
- b. Study of Standard HV Laboratory layouts.
- c. One min. (1-min.) DC high voltage withstand test on Equipment. (Max. up to 10 KV).
- d. Effect of gap length on liquid insulating material.
- e. Breakdown Strength of composite dielectric material.
- f. Study of impulse generator.
- g. High voltage withstand test on cables/safety gloves/shoes, as per IS. (Max. 2.25 KV DC)
- h. Horn gap arrangement as surge diverter.
- i. Measurement audible and visible corona inception and extinction voltage.
- j. Development of tracks and trees on polymeric insulation.
- k. Study of Effect of EHV field on Human, Animals & Plants.

## **H. Numerical methods and programming lab [Control System Engineering Lab]**

- a. Write a program to obtain:
  - i) pole, zero and gain values from a given transfer Function
  - ii) Transfer function model from pole, zero, gain values.
- b. Write a program to determine of step & impulse response for a first order unity feedback system
- c. Write a program to generate various standard test signals.
- d. Write a program to plot the root locus for a given transfer function of the system using MATLAB.
- e. Write a program to plot the Bode Plot for a given system using MATLAB.
- f. Write a program to plot the Nyquist Plot for a given system using MATLAB.
- g. Write a program to design Proportional, Proportional + Integral, Proportional+ Derivative and P I-D Controller for second order system.
- h. Write a program to determine of step & impulse response for a second order unity feedback system
- i. Write a program to determine state space model from transfer function model & vice versa.
- j. Write a program to determine state space model from transfer function model & vice versa

## **I. Switchgear and Protection Lab**

- a. To verify characteristics of Static Overcurrent Relay.
- b. To verify the characteristics Static over Voltage Relay.
- c. To verify the characteristics of IDMT Relay.
- d. To verify the characteristics of Reverse Power Overcurrent Relay/ Negative Sequence Relay.
- e. To demonstrate working of Distance Protection Scheme for long transmission line.
- f. To demonstrate working of Differential Protection of Transformer and sketch the schematic diagram for protection scheme.
- g. To demonstrate working of Differential Protection of Alternator and sketch the schematic diagram for protection scheme.
- h. Identify the components of different types of circuit breakers with their specifications (through visits/ videos/models)
- i. To verify the characteristics of MCB, ELCB and HRC fuses.

## **J. Basic Electronics Lab [Basic Electrical and Electronics Engineering Lab]**

- a. To verify KCL and KVL.
- b. To analyze series RLC circuit
- c. Calculate RMS, average and peak value of the signal using multi-meter and DSO.
- d. Study of V-I characteristics of PN Junction Diode
- e. Study of Full Wave Rectifier using PN Junction Diode
- f. Study of Zener diode as voltage regulator
- g. Study of V-I Characteristics of BJT
- h. Calculate Q point on DC load line using voltage divider biasing.

- i. Study of BJT as an amplifier.
- j. Frequency response of RC coupled amplifier.
- k. Measurement and testing of various electronic components using multimeter.
- l. Mini-project.

**K. Network Analysis Lab.**

- a. Verification of Kirchhoff's Laws
- b. Verification of Superposition Theorem
- c. Verification of Thevenin's Theorem
- d. Verification of Norton's Theorem
- e. Verification of Maximum Power Transfer Theorem
- f. Verification of Reciprocity Theorem
- g. Determination of transient response of RL & RC series circuits
- h. To study Resonance in RLC series Circuit.
- i. To study Resonance in parallel RLC Circuit.
- j. Determination of driving point and transfer functions of a two port ladder network and verify with theoretical values
- k. To calculate and verify 'Z' Parameters of a Two-Port Network.
- l. To calculate and verify 'Y' parameters of Two-Port Network

**L. Solid State Devices Lab [Analog and Digital Electronics Lab]**

- a. To plot input characteristics and Output characteristics of common emitter configuration.
- b. To plot frequency response of RC coupled and Transformer coupled amplifier
- c. To measurement of OP-AMP parameter
- d. To verify the operation of op amp in Inverting & Non-inverting mode on AC input
- e. Verify truth table of following basic and derived gates
  - 1) AND, OR, AND    2) Ex-OR, NAND, NOR
- f. Verification of truth table of flipflop
- g. Design and implementation of 3-bit synchronous up/down counter
- h. Design and implementation of half and full adder using logic gates
- i. Design and implementation of Multiplexer and De-multiplexer and study of IC74150 and IC 74154
- j. Design and implementation of code converters
  - 1) Binary to gray code converter    2) BCD to Excess 3

**(D) Mechanical Engineering Laboratories :**

**A. Thermal Engineering Lab:**

- a. To determine the calorific value of gaseous fuel.
- b. To determine the absolute and kinematic viscosities of given lubricating oil at various temperatures starting from room temperature.
- c. To conduct a performance test on an air blower and determine the overall efficiency.
- d. To conduct a performance test on a two-stage air compressor and determine the volumetric and isothermal efficiencies at various discharge pressures.

- e. To find the quality of steam using separating and throttling calorimeters.
- f. To determine the boiler efficiency of a steam power plant setup.
- g. To prepare the boiler heat balance sheet of a steam power plant setup.
- h. To determine the turbine efficiency and blade efficiency of a steam power plant test setup.
- i. To determine the condenser efficiency of a steam power plant.
- j. Visit to appropriate industry to study and experience some of the above listed systems

**B. Internal Combustion Engine Lab:**

- a. To conduct a performance test on a 4 stroke single cylinder petrol engine.
- b. To conduct a performance test and retardation test on the four stroke single cylinder diesel engine.
- c. To study the Emission norms for SI Engine Pollutants (using Exhaust gas analyzer).
- d. To determine the frictional power of an engine by Retardation through additional flywheel method.

**C. Heat Transfer Lab :**

- a. To find out total thermal resistance and total thermal conductivity of composite slab.
- b. To determine the thermal conductivity of insulating powder at various heat inputs.
- c. To determine the thermal conductivity of a given metal rod.
- d. To find out heat transfer coefficient and heat transfer rate from vertical cylinder in natural convection.
- e. To determine the convective heat transfer coefficient and the rate of heat transfer by forced convection for flow of air inside a horizontal pipe.
- f. To determine the value of heat transfer coefficient under forced condition and to find,
  - 1) Theoretical values of temperatures along the length of fin.
  - 2) Effectiveness and efficiency of the Pin-Fin for insulated and boundary conditions.
- g. To determine the emissivity of the gray surface.
- h. To determine the value of Stefan Boltzman constant for radiation heat transfer.
- i. To determine LMTD, effectiveness and overall heat transfer coefficient for parallel, counter flow heat exchanger, and cross flow heat exchanger
- j. To determine the overall heat transfer coefficient and effectiveness of the heat exchanger.

**D. Refrigeration and Air Condition Lab :**

- a. Trial on vapour compression refrigeration system.
- b. Trial on electrolux vapour absorption refrigeration system.
- c. Trial on vortex tube refrigeration system.
- d. Study and practice of sensible heating and cooling air-conditioning processes.
- e. Study and practice of cooling and dehumidification of air-conditioning processes.
- f. Study and practice of heating and humidification air-conditioning processes.

**E. Fluid Mechanics Lab:**

- a. Measurement of pressure piezometer, manometers, pressure gauges.
- b. To determine the metacentric height of a floating body.
- c. To verify Bernoulli's theorem.
- d. To determine the coefficient of discharge of orifice and mouthpiece.
- e. To determine the coefficient of discharge  $C_d$  for venturi meter and orifice meter.
- f. To determine the friction factor for flow through pipes of different sizes.
- g. To determine the minor losses (losses due to pipe fittings).
- h. To Determine the coefficient of discharge of different notches.
- i. Measurement of flow over weirs and their calibration.
- j. To study the characteristics of the hydraulic jump.
- k. Flow visualization technique: characteristics of laminar and turbulent flow
- l. patterns using Helleshaw's apparatus.
- m. Determination of critical Reynolds number using Reynolds apparatus.
- n. Centrifugal pump test rig.

**F. Theory of Machine – I Lab**

- a. Velocity Analysis Using Relative Velocity Method (Graphical Method)
- b. Velocity Analysis Using Instantaneous Centre Method
- c. Acceleration Analysis Using Graphical Method
- d. Determine Acceleration of Slider Using Klein's Construction
- e. To determine the Coriolis's Component of acceleration.
- f. To determine displacement of slider crank mechanism with the help of model and to plot velocity and acceleration curves from it.
- g. To Verify the relationship between the input and output shaft of Hook's Joint placed when at non-linear positions ring and Vertical Angle by Theodolite

**G. Theory of Machine - II Lab:**

- a. To study cam jump phenomenon and verify follower displacement for various types of cam and follower.
- b. To study industrial gear box through the experimental setup
- c. Study of differential gearbox.
- d. To study Prony brake dynamometers.
- e. To study various types of lubricating systems.
- f. To study the dynamic behaviour of epicyclic gear train.
- g. To study various types of lubricating systems.
- h. To determine speed vs. lift characteristic curve of a centrifugal governor and to find its coefficient of insensitiveness and stability.
- i. Verification of principle of gyroscope and gyroscopic couple using motorized gyroscope.
- j. To study damped torsional vibration of single rotor system.
- k. To study forced damped vibration of spring mass system
- l. To find natural frequency of spring mass system
- m. To study damped torsional vibration of double rotor system.
- n. To study forced undamped vibration of spring mass system

- o. To find frequency of oscillation of simple pendulum. report for structural design and drawing of the G + 2 Building RC structures:

**H. Material Science and Metallurgy Lab.:**

- a. Brinell Hardness Test
- b. Rockwell Hardness Test
- c. Erichsen Cupping Test
- d. Specimen Preparation for Microscopy
- e. Spark Test
- f. Study and drawing of microstructures of plain carbon steels of varying carbon percentage
- g. Study and drawing of microstructures of heat-treated steels
- h. Experiment on any one of the Non-Destructive Tests.

**I. Metrology and Quality Control Lab:**

- a. To perform linear measurement using Vernier
- b. Caliper, Vernier Height Gauge, Micrometer, Vernier Depth gauge
- c. To perform angle measurement using Sine Bar and Bevel Protractor.
- d. To perform calibration of dial gauge using slip gauges.
- e. To perform calibration of micrometer and vernier caliper using slip gauges.
- f. To perform Circularity Estimation of given component using Dial Gauge.
- g. To study and use of optical flat for flatness testing
- h. To measure the surface roughness parameters (Ra) using surface roughness tester.
- i. Plotting of X bar and R Chart for given set of data obtained from the component.

**J. Metrology and Quality Control Lab:**

- a. To perform linear measurement using Vernier
- b. Caliper, Vernier Height Gauge, Micrometer, Vernier Depth gauge
- c. To perform angle measurement using Sine Bar and Bevel Protractor.
- d. To perform calibration of dial gauge using slip gauges.
- e. To perform calibration of micrometer and vernier caliper using slip gauges.
- f. To perform Circularity Estimation of given component using Dial Gauge.
- g. To study and use of optical flat for flatness testing
- h. To measure the surface roughness parameters (Ra) using surface roughness tester.
- i. Plotting of X bar and R Chart for given set of data obtained from the component.

**K. Manufacturing Processes Lab:**

- a. Study of types of chips
- b. Study of the effect of process parameters on cutting ratio and shear angle in oblique turning process
- c. Study of the effect of process parameters on the surface roughness during oblique turning process
- d. Study of the effect of cutting fluid on surface roughness during oblique turning process
- e. Study of the effect of process parameters on tool wear during oblique turning process
- f. Study of the effect of process parameters on cutting forces in oblique turning process

- g. Study of the effect of process parameters on cutting forces in end milling process
- h. To develop a manual part program of a given component on CNC Lathe using G and M codes.
- i. To develop a manual part program of a given component on CNC Lathe using stock removal cycle.
- j. To develop a manual part program of a given component on CNC Lathe using canned cycle.
- k. To develop a manual part program of a given component on CNC Milling machine using G and M code.
- l. To develop a manual part program of a given component on CNC Milling machine using pocket milling cycle.
- m. To develop a manual part program of a given component on CNC Milling machine using scanned cycle.
- n. To examine the effect of parameters on MRR and TWR in Electro Discharge Machining (EDM).
- o. To evaluate machining accuracy in EDM.
- p. Demonstration on Wire-EDM
- q. Industrial visit to study manufacturing practices.of X bar and R Chart for given set of data obtained from the component.

**L. Metrology and Quality Control Lab:**

- a. To perform linear measurement using Vernier
- b. Caliper, Vernier Height Gauge, Micrometer, Vernier Depth gauge
- c. To perform angle measurement using Sine Bar and Bevel Protractor.
- d. To perform calibration of dial gauge using slip gauges.
- e. To perform calibration of micrometer and vernier caliper using slip gauges.
- f. To perform Circularity Estimation of given component using Dial Gauge.
- g. To study and use of optical flat for flatness testing
- h. To measure the surface roughness parameters (Ra) using surface roughness tester.
- i. Plotting of X bar and R Chart for given set of data obtained from the component.

**M. Welding Shop:**

- a. Exercise in Arc welding (MMAW) to make a square butt joint.
- b. Exercise in Resistance (Spot) welding to make a lap joint.
- c. A job using power operated tools related to sheet metal work, Welding, Fitting, Plumbing, Carpentry and pattern making.

**N. Fitting & Plumbing Shop:**

- a. A job involving cutting, filing to saw cut, filing all sides and faces, corner rounding, drilling and tapping on M. S. plates.
- b. A job on use of plumbing tools and preparation of plumbing line involving fixing of water tap and use of elbow, tee, union and coupling, etc.
- c. A job using power operated tools related to sheet metal work, Welding, Fitting, Plumbing, Carpentry and pattern making.

**O. Machine Shop:**

- a. A job on turning of a Mild Steel cylindrical job using center lathe.

**P. Sheet Metal Shop:**

- a. Making a small parts using GI sheet involving development, marking, cutting, bending, brazing and soldering operations- i) Tray ii) Funnel and similar articles.  
b. A job using power operated tools related to sheet metal work, Welding, Fitting, Plumbing, Carpentry and pattern making from the component.

**Q. Carpentry Shop:**

- a. Wood sizing exercises in planning, marking, sawing, chiseling and grooving to make half lap joint and cross lap joint.  
b. A job using power operated tools related to sheet metal work, Welding, Fitting, Plumbing, Carpentry and pattern making.

**xv. Innovation Cell :**

Following Cell will work for implementation of National Innovation and Start-up Policy 2019 (NISP-2019) released by Ministry of Human Resource Development (MHRD) along with AICTE Innovation Cell (MIC).

Sr. No.	Name	Designation	Representative
1	Dr. N. M. Kanhe	President	Head of the Institute
2	Dr. M. D. Pasarkar	Convener	NISP-Coordinator
3	Dr. V. M. Deshmukh	Vice-President	
4	Dr. S. P. Pachpor	Member	IQAC-Coordinator
5	Mr. C. Y. Deshpande	External Member	Management Representative
6	Mr. V. S. Dhondrikar	External Member	Industry Representative
7	Mr. A. S. Marothiya	Member	Internship Activity Coordinator
8	Mr. S. D. Jain	Member	Convener-IIC
9	Dr. J. S. Ruikar	Member	VP-IIC
10	Dr. P. A. Chandak	Member	Innovation & Start-up activity coordinator
11	Dr. S. B. Bopche	Member	IPR Activity Coordinator
12	Mr. N. N. Ghode	Member	Social Media & ARIIA Coordinator
13	Mr. Rushi R. Borkar	Member	Student Coordinator (Hackathons)
14	Ms. Durgeshwari R. Deodhagale	Member	Student Coordinator (Hackathons)
15	Ms. Aastha P. Shende	Member	Student Coordinator (ideation campaigns)
16	Ms. Archi P. Borkar	Member	Student Coordinator (ideation campaigns)
17	Mr. Lokesh M. Kadam	Member	Student Coordinator (Club activity)
18	Ms. Renuka S. Alwadkar	Member	Student Coordinator (Club activity)
19	Mr. Ishan P. Wanjari	Member	Student Coordinator (Club activity)
20	Ms. Bhumika G Gawande	Member	Student Coordinator (Club activity)

**xvi. Social Media Cell :**

Following cell has been constituted for looking after the Social Media activities; as per AICTE norms.

Sr. No.	Name	Designation	Representative
1	Dr. N. M. Kanhe	President	Principal
2	Dr. K. D. Joshi	Member	Faculty Representative.
3	Mr. A. M. Kinhekar	Member	Faculty Representative.
4	Dr. S. G. Vairagade	Member	Faculty Representative.
5	Mr. V. P. Ravekar	Member	Faculty Representative.
6	Mr. A. V. Dehadrai	Member	Faculty Representative.
7	Mr. N. N. Ghode	Member	Faculty Representative.
8	Mr. Mehar V. Wagh	Member	Student Representative
9	Ms. Tanvi K. Bakale	Member	Student Representative
10	Ms. Neha S. Shende	Member	Student Representative
11	Ms. Shourya P. Kutemate	Member	Student Representative

**xvii.** Compliance of the Academic Bank of Credit (ABC), applicable to PGCM/ PGDM Institutions and University Departments : **NA**

**xviii.** To upload the respective short video (1-2 min) of Infrastructure and facilities available w.r.t the courses in the website.

**URL :** [college video](#)

**xix.** Games and Sports Facilities :

**A) Available Indoor Sports Facilities :**

**BADMINTON**



**TABLE TENNIS**



**CHESS**



**CARROM**



## B) Available Outdoor Sports Facilities :

### BASKETBALL



### VOLLEYBALL



### CRICKET



## xx. Teaching Learning Process :

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process.

In outcome based education, it is expected that the students will apply the knowledge for real time problem solving, to solve industrial problems and for benefitting the community. In imparting professional technical education, the emphasis is on knowledge, skills development and effective teaching-learning. The teaching learning is focused on project based, activity oriented learning, group assignments, participation in competitions like Hackathons etc. which boost the learning drive of students. Besides these, various fora are formed like Start- BIT, Bridge-BIT, Network-BIT, Power-BIT, Make-BIT through which students conduct co-curricular activities. Industry visits and expert lectures are organised to enhance the learning experience of students.

For alleviating the gap between students' level of learning and teachers' expectation of learning outcome, faculty members use different methodologies such as use of animations, power point presentations, interactive smart boards etc. While planning meticulously for course delivery, on the basis of pre-defined learning outcomes, faculty develop the assessment methods on the basis of rubrics defined and then select instructional strategies that engage students in multiple activities.

**Experiential learning :-**

In order to accomplish the mission of producing industry ready engineers, the Institute adopts following practices to enhance experiential learning of its students:

- Project competitions
- VAP/Add on courses
- Internships / Field training
- Industrial visits
- Expert session and hands-on training from Industry persons
- Practicals beyond the syllabus contents
- Virtual labs use
- Hackathon competition
- Application based project
- Use of visual effective mechanisms such as animations, videos and simulators for parametric study
- Practical exposure to students as they accompany faculty members in research activity/consultancy assignments.

**Participative Learning :-**

- Participative learning starts from the performance of regular and contents beyond syllabus practical in laboratories, in which students participate in conduction of experiments, analyzing and presenting.
- Internal Hackathon and other project competitions participation give an opportunity to students to plan and execute the creative, innovative ideas and finally it lead to participation at university and at National levels (Such as Smart India Hackathon), where students learn many professional skills. Institute Innovation Council (IIC) activities also enhance participative learning.
- During internships, students are given industry projects and they participate in planning, drawing, designing, programming etc. under the guidance of experts.
- Through a respective department forum, students organise various co-curricular activities and imbibe lot many technical and generic traits.
- Extra-curricular activities through various student clubs and in the annual cultural festival, students participate enthusiastically and learn many soft skills.
- Faculty and students participate in various social & community drives, environment awareness, water & energy conservation, donation activities, village development activities which impart the universal human values.

**Problem Solving Methodologies :-**

Students are imparted the approach towards solving various problems, during their projects, group assignments. The student centric approach mainly emphasizes on the growth of higher order thinking abilities. Students are facilitated for out of box thinking, critical evaluation and problem solving methodologies which involve defining a problem, researching & brainstorming, finding possible solutions, building an algorithm and prototype, testing & evaluating, improving & redesigning. These methodologies enable the students to solve the problems logically.

## **Evaluation Process and Reforms :**

### **1. Mechanism of Internal & External Assessment :**

Institute has an efficient mechanism of internal and external assessment for undergraduate students which is transparent in the conduct. The students are very well aware of the gradation system as well as internal and external weightages. However at the start of each semester students are informed and reminded about the assessment methodologies.

The institution follows the guidelines of the affiliated university while conducting the assessment components which are Continuous Assessment (CA), Mid Semester and End-Semester Examinations (ESE).

Broadly, there are three assessment components for theory subjects as follows:

- Continuous evaluation (CA)
- Mid Semester Examination (MSE)
- End Semester Examination (ESE)

The assessment components for practical (lab) course/ Project/ Seminar are as follows:

- Continuous evaluation (CA)
- Internal & External Evaluation (IE)

IQAC publishes Activity Calendar at beginning of the semester which includes the planned dates of CA activities. All students come to know the dates of evaluation at the start. CA activities are evaluated based on defined rubrics. These rubrics are published and shared with the students. The internal practical evaluation is based on the performance and test while external evaluation is based on the performance/test/viva-voce.

End Semester Examination (ESE) of theory subjects is conducted and controlled by the affiliating university. ESE for practical subjects/ project/ seminar is conducted by the college as per the schedule and the guidelines of the affiliating university.

### **Student Performance and Learning Outcomes :**

POs describe what students should know and be able to do at the end of the programme. POs are to be in line with the graduate attributes. POs are to be specific, measurable and achievable. Course outcomes are the statements of what a student should know, understand and/or be able to demonstrate after completion of a course.

The institute is affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere. Programme outcomes (POs) for all programs are defined by it; Course Outcomes (COs) are defined by it for most of the programmes. It is decided to frame the course outcomes (COs) of the courses not defined by the University and complete its mapping with Program Outcomes (POs), if not provided by the respective Board of Studies. These COs and its mapping with POs are also communicated to the university for its approval. All COs and POs are displayed on the institute website [www.bitwardha.ac.in](http://www.bitwardha.ac.in).

While addressing the students, HODs create awareness on POs, PSOs and COs. The faculty members, class teachers also inform the students and create awareness and emphasize the need to attain the program outcomes.

Bajaj Institute of Technology believes in outcome-based education since its inception. The first batch is passed out in 2020-21. Due to pandemic and online nature of content delivery, evaluation of CO-PO attainment is started from 2020-21.

The COs and POs are published and disseminated as follows :

S. No.	How published	Where Published
1	Department Presentations	Meetings/Interactions with Students, Alumni, Parents, Orientation Programs etc
	Course File	Course File
	Laboratory Manual	Laboratory Manual, All Labs
2	Notifications	Department Notice Board
		Class Rooms
		Laboratories
		Department Office
3	E-Media	Web Page of the Department
		WhatsApp Groups
		Google Class Room Page

**Institute's Website Links where COs and POs are displayed :**

1. Department of Civil Engineering: <https://bitwardha.ac.in/civil-engineering-department/>
2. Department of Computer Engineering: <https://bitwardha.ac.in/computer-engineering-department/>
3. Department of Electrical Engineering: <https://bitwardha.ac.in/electrical-engineering-department/>
4. Department of Mechanical Engineering: <https://bitwardha.ac.in/mechanical-engineering-department/>

The PO and PSO attainment are calculated year wise and for complete batch of students which progresses through all the courses of a particular program including the project work. The attainment is calculated based upon the correlation level, i.e., low-moderate-high, of a particular course/ CO/ activity with respect to the PO or PSO in the scale of 1-3.

PO / PSO	Assessment & Evaluation Method	Assessment and Evaluation Tool	Source	Frequency
	Direct Assessment	Internal Assessment(CA)	CO Attainment Level	Throughout the Semester
		Mid Semester & End Semester Examinations		After results declaration
	Indirect Assessment	Course Exit	Attainment	End of Academic

		Survey	Level from the survey form	Year
		Indirect PO Attainment		End of Semester
		Parents Feedback		End of Semester
		Domain Analysis		End of Academic Year
		Alumni Survey		End of Academic Year
		Employer Survey		End of Academic Year

**Assessment Tools, process, and levels for CO attainment used are given in following table.**

S No.	Assessment Tool	Assessment Criterion	Process for data collection
1	Continuous Assessment (CA-I)	CA-I is based on defined assessment parameters. Its assessment is based on defined rubrics for various parameters.	Evaluation of rubrics-based parameters and the score of the students.
2	Continuous Assessment (CA-II)	CA-II is based on defined assessment parameters. Its assessment is based on defined rubrics for various parameters	Evaluation of rubrics-based parameters and the score of the students.
3	Mid Semester Examination (MSE)	MSE is based on first two / three units of the syllabus. Three Questions are asked based on the syllabus.	Evaluation of the answer sheets and the score of the students out of 20.
4	End Semester Examination (ESE)	ESE is as per affiliating university schedule and on complete syllabus.	Marks scored by the students out of 80.
5	Lab Assessment CA-I & II	CA-I and II is based on defined assessment parameters for laboratory work. Its assessment is based on defined rubrics for various parameters.	Evaluation of rubrics based parameters and the score of the students.
		Practical oral examination is as per affiliating university schedule and on complete syllabus.	Evaluation of rubrics based parameters and the score of the students.
6	Project / Seminar / Mini Project	Review seminars are conducted for continuous assessment and evaluation.	Evaluation by internal and external examiners. Internal evaluation is based on defined rubrics.

After CO attainment levels are tabulated for every course in the semester, corresponding POs are evaluated.

Direct attainments and indirect attainments are evaluated based on the data submitted by the departments.

Indirect PO assessment is done using assessment tools like Indirect PO Assessment Feedback, Parents-Feedback, Domain analysis etc.

80 % weightage is for Direct and 20 % weightage is for Indirect tools. PO and PSO attainments are then measured and monitored.

- xxi.** For each Post Graduate Courses give the following : **NA**  
**xxii.** Title of the Course : **NA**  
**xxiii.** Laboratory facilities exclusive to the Post Graduate Course : **NA**

**16. Enrollment and placement details of students in the last 3 years :**

SR. No.	Name of the Course	Number of Companies Visited	Total Student Placed	Highest Package
<b>AY 2023-24</b>				
1	Civil Engg.	13	29	3,50,000
2	Computer Engg.	10	48	11,30,000
3	Electrical Engg.	6	34	9,00,000
4	Mechanical Engg.	5	24	5,00,000
<b>AY 2024-25*</b>				
1	Civil Engg.	7	27	3,60,000
2	Computer Engg.	11	54	4,00,000
3	Electrical Engg.	3	36	4,00,000
4	Mechanical Engg.	5	44	7,50,000
<b>AY 2025-26*</b>				
1	Civil Engg.	4	3	2,22,000
2	Computer Engg.	6	48	7,09,380
3	Electrical Engg.	5	7	3,00,000
4	Mechanical Engg.	5	15	5,50,000

\* Placements still going on.

**17. List of Research Projects/ Consultancy Works –**

**A) Research Projects carried out :**

No.	Name of Project	Funding Agency	Grant Received
1	Innovative Swirl Flow LPG Burner Head	Ministry of Education's Innovation Cell, AICTE.	1,50,000/-

**B) Consultancy Works carried out till May 2026 :**

SN	Department	Name of Industry	Details of Consultancy Work	Date
<b>Academic 2021-22</b>				
1	Civil Engineering	Structural Audit of Government Milk Scheme Administrative & Process Building.	Structural Audit using NDT	24/09/2021
2	Civil Engineering	जवाहर सहकारी सूतगिरणी मर्या. रजि. न. एटीआय/( ए)डीएच-४/१९९१ दि.२४.१२.१९९१) एम. आय. डी. सी. प्लेट न. बि. १. धामनगाव रेल्वे.ता. धामनगाव रेल्वे जी. अमरावती	Concrete Cube Testing	13/10/2021
3	Civil Engineering	Devgav , Railway Building Brick Work Wardha, Devgav, Wardha	Soil Bricks Comp. Str.	25/11/2021
4	Civil Engineering	R-World(Mobile Accessories Shop) Sitabuldi, Nagpur	Structural design of shop (Steel structure)	18/12/2021
5	Civil Engineering	World Renewal Spiritual Trust, Wardha H.Q. Pandav Bhawan, Mount Abu, Rajasthan-307501 Local Center Tapsya Kunj Brahamakumaris Duniwale Square,Nagpur Road Wardha	Tension Test on Steel bars	18/12/2021
6	Civil Engineering	Structural Audit Of Government Milk Scheme Administrative & Process Building	Structural Audit using NDT	20/12/2021
7	Civil Engineering	Apna Ghar, Nagpur	Structural Design	20/12/2021
8	Civil Engineering	Apna Ghar, Nagpur	Structural Design of Building foundation	20/12/2021
9	Civil Engineering	Executive Engineer Public Works Division Civil Lines Wardha - 442001	Executive Engineer Public Works Division Civil Lines Wardha	21/02/22
10	Civil Engineering	Apna Ghar, Nagpur	Structural Design of Building	3/3/2022
11	Civil Engineering	World Renewal Spiritual Trust, Wardha H.Q. Pandav Bhawan, Mount Abu, Rajasthan-307501 Local Center Tapsya Kunj Brahamakumaris Duniwale Square,Nagpur Road Wardha.	Concrete Cube Testing	11/3/2022

12	Civil Engineering	Apna Ghar, Nagpur	Structural Design of Building	19/03/2022
13	Civil Engineering	Apna Ghar, Nagpur	Roof shed design	22/03/2022
14	Civil Engineering	World Renewal Spiritual Trust, Wardha H.Q. Pandav Bhawan, Mount Abu, Rajasthan-307501 Local Center Tapsya Kunj Brahamakumaris Duniwale Square, Nagpur Road Wardha.	Concrete Cube Testing	26/03/2022
15	Civil Engineering	World Renewal Spiritual Trust, Wardha H.Q. Pandav Bhawan, Mount Abu, Rajasthan-307501 Local Center Tapsya Kunj Brahamakumaris Duniwale Square, Nagpur Road Wardha	Seive Analysis	21/04/2022
16	Civil Engineering	World Renewal Spiritual Trust, Wardha H.Q. Pandav Bhawan, Mount Abu, Rajasthan-307501 Local Center Tapsya Kunj Brahamakumaris Duniwale Square, Nagpur Road Wardha	Sieve Analysis of coarse aggregate / Gradient of aggregate Particle Size	26/04/22
17	Civil Engineering	Sankalp Civil Consultant Nagpur	Structural Design of Building	27/04/2022
18	Civil Engineering	Mr. P. S. Tambe Kavlar Construction Project Of Septic Tack Rcc Foundation 800 Sq. Ft Wanadongri, Hingna, Nagpur, Maharashtra	Design of Septic tank	01/05/2022
19	Civil Engineering	World Renewal Spiritual Trust, Wardha H.Q. Pandav Bhawan, Mount Abu, Rajasthan-307501 Local Center Tapsya Kunj Brahamakumaris Duniwale Square, Nagpur Road Wardha.	Concrete Cube Testing	5/5/2022
20	Civil Engineering	M/S Gurukrupa Solar, Nagpur Nagpur, Maharashtra	Solar steel Frame design for panel mounting, 48 panels, each of size 2.1x1m,	19/05/2022
21	Civil Engineering	M/S G.T. Dehankar Architecture, Urban Planning, Civil Engineering & Green Building Consultant Manas Mandir Wardha - 442001	Brick Testing	27/05/2022

<b>Academic 2022-23</b>				
22	Civil Engineering	“Tool India” Ambika Farms, Bazargaon, Nagpur, Maharashtra	Design of (G+1) Residential Building	22/09/2022
23	Civil Engineering	World Renewal Spiritual Trust, Wardha, Dhuniwale Square, Wardha	Concrete Cube Testing	29/09/2022
24	Civil Engineering	Individual Work Mr. Akshay Shingrup, Alodi, Wardha	Design of Second Floor Slab	08/11/2022
25	Civil Engineering	Dhirti Hands, Ar. Anushree Tendolkar Girivan, Mulshi – Dist.: Pune Maharashtra	Design of (G+1) Residential Building	09/11/2022
26	Civil Engineering	Government of Maharashtra Executive Engineering Public Works Division, Wardha	SPT Test.	08/11/2022
27	Civil Engineering	District Superintend Agriculture Office, Talegaon, Ashti	Structural Audit	28/11/2022
28	Civil Engineering	Government Grain Warehouse, Samudrapur, Dist: Wardha.	Structural Audit	01/12/2022
29	Civil Engineering	World Renewal Spiritual Trust, Dhuniwale Square, Wardha	Concrete Cube Testing	21/01/2023
30	Civil Engineering	Government of Maharashtra Executive Engineering Public Works Division Civil Line Wardha	Structural Audit of Bridge Piers.	17/03/2023
31	Civil Engineering	Government of Maharashtra Executive Engineering Public Works Division, Wardha.	Structural Audit of River Bridge NH 322, Pulgaon,	17/03/2023
32	Civil Engineering	District Superintend Agriculture Office, Talegaon, Ashti	Contour Surveying.	02/03/2022
33	Civil Engineering	Mr. Amit Rai, Peace Construction, Nagpur	Design of (G+1) Residential Building	09/04/2023
34	Civil Engineering	Apna Ghar, Ambika Farm, Katol Road, Nagpur	Foundation Design- Residential Building.	10/05/2023
35	Civil Engineering	Sunshine Pictures Pvt. Ltd. Nagpur.	Structural Audit of 2BHK & 3BHK Bungalow.	07/05/2023
36	Civil Engineering	Ambika Farm, Katol Road, Nagpur	Structural Audit	29/05//2023
37	Civil Engineering	Mt. Carmel School, Survey No. 31.30/2: Mouza Adegaon, Arvi Dist. Wardha	Structural Audit	21/06/2023

<b>Academic 2023-24</b>				
38	Civil Engineering	Superintendent Of Police Wardha, Police Stations & Quarters	Structural Audit of 14 Police Stations, Wardha	01/09/2023
39	Civil Engineering	Apna Ghar Nagpur, Project Of Residential Around 2000sqft; Kamptee, Nagpur, Maharashtra	Design Of Ground Plus One Residential	06/09/2023
40	Civil Engineering	Project Of Residential Around 2000SQFT; Kamptee, Nagpur, Maharashtra Apna Ghar Nagpur	SITE VISIT	06/09/2023
41	Civil Engineering	Bvg India Ltd, Bharat Vikas Group Company Bvg House Permier Plaze Pune - Mumbai Road Chinchwad Pune -411 019	Comp. Strength of Concrete	13/01/2024 to 17/01/2024
42	Civil Engineering	Sanrat Fly Ash Bricks Waifad Road Umari(Meghe) Wardha	1. Compressive Strength 2. Water Absorption 3. Dry Density 4. Drying Shrinkage	24-01/2024
43	Civil Engineering	Gungara Balaji Venture , Sevagaram Road Wardha	Comp. Strength of Concrete	29/01/2023
44	Civil Engineering	Gungara Balaji Venture , Sevagaram Road Wardha	Comp. Strength of Concrete and tensile str. of steel	30/01/2024
45	Civil Engineering	Gungara Balaji Venture , Sevagaram Road Wardha	Comp. Strength of Concrete	08/02/2024
46	Civil Engineering	Apna Ghar, Project Of Residential Around 1364SQFT Bajargaon Nagpur Maharashtra	Structural Design of Buildings	02/02/2024
47	Civil Engineering	Sub Divisional Engeer, PWD, Wardha Material Testing In Laboratory Walhapur And Shivapur Location, Wardha	1. Comp. Strength 2. Setting Time of Cement (Initial & Final) 3 Normal Consistency 4. Soundmess Test	02/02/2024
48.	Civil Engineering	Gungara Balaji Venture , Sevagaram Road Wardha	Comp. Strength of Concrete	04/03/2024
49.	Civil Engineering	Gungara Balaji Venture , Sevagaram Road Wardha	Comp. Strength of Concrete	03/04/2024 to 10/04/2024
50.	Civil Engineering	Apna Ghar, Project of Residential Around 1000SQFT MIDC Wardhan Nagpur Maharashtra	Structural Design of Buildings	25/04/2024
51.	Civil Engineering	St. John School, Around 21000Sq.FT. At Pulgon Dist. Wardha Maharastra	Structural Stability	27/05/2024

<b>Academic 2024-25</b>				
52.	Civil Engineering	Government Girls' Hostel Mahadeopura, Wardha	Structural Audit	01/08/2024
53.	Civil Engineering	Project of Residential Building, Around 2800SQFT; Kamptee, Nagpur, Maharashtra Apna Ghar Nagpur	Structural Design of Buildings	19/08/2024
54.	Civil Engineering	Municipal Council , Wardha (Town Hall) Thakre Market , Wardha	Structural Audit	13/08/2024
55.	Civil Engineering	Mutton Market, Nagarparishad, Pulgaon, Wardha.	Structural Audit	04/10/20022
55.	Civil Engineering	Maa Narsai Ginning And Pressing Deoli Dist. Wardha	Stability Certificate for Load Bearing Ginning mill	17/10/2024
55.	Civil Engineering	Sanrat Fly Ash Bricks Waifad Road Umari (Meghe) Wardha	Fly Ash Bricks test	18/10/2024
56.	Civil Engineering	Project of Residential Building Around 6000SQFT; Bangluru, Karnataka Apna Ghar Nagpur Project	Structural Design of Buildings	03/12/2024
57.	Civil Engineering	Stability Certificate , Ar, Nihal Dahuke Nu Arch Studio, Nagpur	Stability Certificate	10/02/2025
58.	Civil Engineering	Project of Residential Around 7000QFT; Nagpur, Temple Apna Ghar Nagpur	Structural Design of Buildings	05/02/2025
59.	Civil Engineering	Project of Residential Around 2300 qft; Culab House Apna Ghar Nagpur	Structural Design of Buildings	29/01/2025
60	Civil Engineering	Project of Temple Structure, Around 7000qft; Nagpur Apna Ghar Nagpur	Structural Design of Buildings	29/01/2025
61	Civil Engineering	Project of Resort, Around 2300 qft; Club House, Apna Ghar Nagpur	Structural Design of Buildings	03/05/2025
62	Civil Engineering	Project of Commercial Building, Around 11500 SQFT G+2 Commercial Bulding Nagpur Mr. Sunil Parajapati Shriram Consultant Nagpur	Structural Design of Buildings	13/05/2025
63	Civil Engineering	Ar, Nihal Dahuke Nu Arch Studio, Nagpur	Structural Design of Buildings	13/05/2025
64	Civil Engineering	Gungara Balaji Venture , Sevagaram Road Wardha	Concrete Cubes & 25mm TMT550 BAR 1m	16/05/2025 & 17/5/2025

<b>Academic 2025-26</b>				
65	Civil Engineering	Gungara Balaji Venture , Sevagaram Road Wardha	Comp. Strength of Concrete	01/11/2025
66	Civil Engineering	The Konark Design Solution Wardha Project Of Around 3500 SQFT GF+2 Residential Bulding Wardha	Auto-CAD Works in (Drafting Work)	01/12/2025
67	Civil Engineering	Project Of Residential Around2300QFT;Culab House Apna Ghar Nagpur	Auto-CAD Works in (Drafting Work)	25/12/2025
68	Civil Engineering	Nbcc (Nidia) Limited Mgiri Works,Wardha, Dist. Wardha	Comp. Strength of Concrete	24/12/2025
69	Civil Engineering	Structural Audit Government Boys Hostel Station Road Wardha	Structural Audit	05/01/2026
70	Civil Engineering	Structural Audit Assistant Commissioner Social Welfare Off. (Government Hostel Fulchur Naka), Gondia	Structural Audit	05/01/2026
71	Civil Engineering	Structural Audit Government, Superintendent Of Police, Wardha	Structural Audit	08/02/2026
72	Civil Engineering	Mr. Bhushan Mankar Civil Contractor	Material Testing	08/02/2026
73	Civil Engineering	Minakshi Construction & Resources	Material Testing	23/02/2026

18. MoUs with Industries :

1. MoU with Mattest Research Academy, Chennai.

भारतीय गैर न्यायिक

बीस रुपये  
रु.20

भारत  
INDIA

Rs.20  
TWENTY RUPEES

INDIA NON JUDICIAL

தமிழ்நாடு தமில்நாடு TAMIL NADU 25 AUG 2022  
MATTEST RESEARCH ACADEMY

07AC 345013  
N. ILANGOVAN STAMP VENDOR  
L.No. 17/CH (S) 2010  
No.18/11C, Rajalakshmi Nagar,  
3rd Main Road, Chennai-600 042  
Cell: 98410 63716 / 86672 19686

**Memorandum of Understanding (MOU)**


BETWEEN


MATTEST RESEARCH ACADEMY,  
37, Balaji Towers, II Main Road, Ram Nagar(South), Madipakkam, Chennai - 600091, Tamil Nadu, India.

AND

BAJAJ INSTITUTE OF TECHNOLOGY  
Arvi Road, Pipri (Meghe), Wardha-442001, Maharashtra, India.

This Memorandum of understanding is made and entered into this the 29<sup>th</sup> day of August 2022. By and between Bajaj Institute of Technology, India, the first party, represented by its principal Dr. Narendra Kanhe and Mattest Research Academy, Chennai, Tamil Nadu, the second party, represented herein by its Head, R&D and Chief Consultant Dr.I.Sarvanan, ME, MBA, Ph.D. Each party will usually referred as party and Collectively known as parties.

  
(Dr. N.M.Kanhe)  
Principal, Bajaj Institute of Technology,  
Wardha,  
PRINCIPAL,  
Bajaj Institute of Technology,  
Pipri, Wardha.

  
(Dr. I Sarvanan)  
Chief Consultant, Mattest Academy Research,  
Chennai

- a) First party is a Higher educational institution named Bajaj Institute of Technology, India.
- b) Whereas the second party is providing solutions for industrial requirements by Research and development and journal publications through international conferences named Mattest Research Academy.
- c) First party and the second party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and promote each of them with enhanced opportunities.
- d) The parties intend to cooperate and focus their efforts on cooperation for research and development and scientific publications in the areas of mutual interests.

NOW THEREFORE , IN CONSIDERATION OF THE MUTUAL PROMISE SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

**1. The objective of this MOU is**

- a) To promote and enhance scientific and and academic cooperation and interaction between Mattest Research Academy and Bajaj Institute of technology.
- b) To provide the formal basis of initiating interaction between Mattest Research Academy and Bajaj Institute of Technology.

**2. The Proposed Modes of Collaborations.**

- a) Cooperation and promotion of research and development and publications in areas of mutual interest.
- b) Formulation of joint research proposal and participation in joint research programmes.
- c) Visits of students, faculty and researchers to each other's organisation, for initiating and implementing the joint projects on mutually agreed terms.
- d) Organising the joint seminars, Webinars and international conferences in the areas of mutual interests.
- e) Any other interactions related to research and development cooperation in the areas of mutual interest.

**3. Agreements of collaborations.**

- a) The themes of joint activities /collaborations, conditions of utilising the results achieved, Arrangements of specific visits and other forms of cooperation will be developed mutually for each specific case with appropriate agreements where necessary. The signing of this agreement does not entail any financial obligations of each party.



(Dr. N.M. Kanhe)  
Principal, Bajaj Institute of Technolgoly,  
Wardha

*PRINCIPAL,  
Bajaj Institute of Technology,  
PIPRI, Wardha.*



(Dr. I Sarvanan)  
Chief Consultant, Mattest Academy Reasearch,  
Chennai

- b) Whilst the purpose of this MOU is to outline an academic and management framework between the two parties, designed to promote international cooperation in both institutions, The parties are not intended to be legally bound to each other, and this agreement does not impose legal obligation on the other party.

**4. Entry into effect , Duration, Termination and Extension:**

- a) This memorandum of understanding will come into effect on the date of this memorandum of understanding and will resin in effect for a period of five (5) Years or until terminated by either party with thirty days(30) written notice.
- b) The termination of memorandum of understanding shall not affect the implementation of ongoing activities / Programmes.
- c) This MOU may be extended for further periods as may be agreed in writing by the parties.

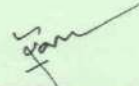
**RELATIONSHIP BETWEEN THE PARTIES**

It is expressly agreed that first party and second party are acting under this MOU as independent contractors and the relationship established under this MOU shall not be constructed as a partnership.

In witness whereof the parties here to signed this MOU on the 29<sup>th</sup> of August' 2022 , mentioned herein before





(Dr. N.M.Kanhe)  
Principal, Bajaj Institute of Technolgoly.,  
Wardha  
**PRINCIPAL,**  
**Bajaj Institute of Technology,**  
**PIPRI, Wardha.**



(Dr.I Sarvanan)  
Chief Consultant, Mattest Academy Reasearch,  
Chennai

Witness:-

- 1) Dr. Vikas Gohil   
Associate Professor in Mechanical Engineering,  
Bajaj Institute of Technology, Wardha.
- 2) Dr. Prathik Kulkarni   
Assistant Ptprofessor in Civil Engineering,  
Bajaj Institute of Technology, Wardha.

## 2. MoU with CAD CENTER, Bangalore.



Indian Educational Enterprises (P) Ltd., Corporate Office, 3rd Floor, Srinivas Chambers, Nr. Kavitha Theatre  
MG Road, Ernakulam, Kerala, India. Visit us: [www.cadcenter.org](http://www.cadcenter.org), Ph 0484-4021961, 8606059555. Email : [info@cadcenter.org](mailto:info@cadcenter.org)

### MEMORANDUM OF UNDERSTANDING

BETWEEN

BAJAJ INSTITUTE OF TECHNOLOGY, WARDHA

AND

CADCENTER, IEEL, BANGALORE -560064.

CADCENTER, Indian Educational Enterprises (P) Ltd is the most leading and pioneer CAD Training Institute in India since 1989. We CADCENTER, the leading Autodesk Authorized Training Center, Autodesk Academic Adoption Partner, NASSCOM Licensed Training Provider, Bentley Authorized Training Partner and PTC Authorized Training Center would like to extend our support and technical assistance in this regard to your esteemed organization. CADCENTER IEEL- Bangalore have our own Center Of Excellence serving in the REVA University, Bangalore, one of the top University in India.

At CADCENTER, our job-oriented course and innovate training methods make sure everyone is employable. CADCENTER Offers 100% Job placement assistance in expert level course.

We will be able to support you with Autodesk, PTC University and NASSCOM to engage with you to assist you to in installing authorized software and activate the products in your lab. Utilizing the right infrastructure of your esteemed institution and the Legal Licenses of Autodesk products, we can offer quality Trainings, Workshops, Seminars, Faculty Development Programs and Autodesk Online Certification exams in relevant software, certification and PTC Creo Certification with a highly discounted fee to your students and Faculty.

AND

Bajaj Institute of Technology has been approved by All India Council of Technical Education [AICTE], New Delhi, And Director of technical education (DITE) Maharashtra. The institute is affiliated to DR. Babasaheb Ambedkar Technical University Lone, Recognized by the Government of Maharashtra.



Bajaj Institute of Technology is committed to provide Excellent-learning facility and motivate the students to learn and imbibe good qualities to excel globally.

Hereinafter CADCENTER, IEEL and Bajaj Institute of Technology shall be individually referred to as the "party" collectively as the "Parties".

**WEREAS, both Bajaj Institute of Technology and CADCENTER, IEEL, now**

- Recognize the importance of institute - industry interaction, as well as imparting soft-skills and Technical/Management Training to the Engineering students.
- Appreciating the need for the creation of the large reservoir of highly qualified and motivated power in various fields, for the future Indian industries.
- Desiring to club the efforts by pooling the academic knowledge of the students with industrial experience gained by the trainers through training to bridge the gap between industry and institution.
- Including a sense of team spirit, team working and leadership by case studies approach.
- Thereby supporting Swachh Bharat Abiyaan, Skill development and make in India concepts.

INTEND to collaborate for promoting excellent quality manpower in the fields of engineering and technology with special emphasis on Training and related fields.

Now, THERE, in consideration, the receipt and sufficiency of which both Bajaj Institute of Technology and CADCENTER, IEEL, hereby agree to sign a memorandum of understanding (MOU).

**ARTICLE- 1: SCOPE OF THE MOU**

This MOU details the modalities and general conditions regarding collaboration between the two parties to provide training to Engineering students. The areas of cooperation can be extended through mutual consent.

**ARTICLE-2: TERMS OF THE MOU**

Both Bajaj Institute of Technology and CADCENTER, IEEL, shall encourage interactions between the Engineers, Trainers, Principal, Head of Department, Faculty members and students of both the organizations through the following arrangements:

**a. Principal Place of Institution**

That all the training support and related activities will be provided through our ATC at Bangalore addressed as Ms/ CADCENTER IEE, Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru, Karnataka 560064



**b. Course Details and Course Fee**

- i. That the **Bajaj Institute of Technology** has decided to conduct a CAD training program for their students of **CIVIL, MECHANICAL, ELECTRICAL** branches in which technical support to be provided by **CADCENTER, IEEL** under mutually agreed terms and conditions. The course details will be concluded as per the requirement.

**c. Participants and Attendance**

Bajaj Institute of Technology shall accommodate the student batch per session, subject to a maximum of 65 participants for better effectiveness, in view of the case studies.

**d. Facilities Provided by the Bajaj Institute of Technology**

Bajaj Institute of Technology shall provide the facilities for the Training sessions such as Training hall, Audio visual aid, LCD projector, PA system, screens, etc. to **CADCENTER, IEEL**, for smooth conducting of training.

**e. Fees**

- i. Bajaj Institute of Technology will pay the fees charges to **CADCENTER, IEEL**.
- ii. Out of total fees, 50% fees amount will be paid to **CADCENTER, IEEL** on or before the date of commencement of the training and the next 50% of the fee will be released after 30 Hours of training.

**g. Certificate of Participation**

Participants will be issued separate Certificate of participation for each course by **CADCENTER, IEEL**.

**h. Training Effectiveness & Feedback**

The training effectiveness feedback shall be taken on a format, from the participants by **CADCENTER, IEEL** at the end of the training session, to enable continual improvement.

**i. Providing "100% Placement Assistance Guarantee" to students out of the total number of attendees in course from **CADCENTER, IEEL**.**

- o Organizing four
- o
- o Industrial Technical classes in between courses.
- o Technical classes conducted by Industry experts
- o Providing Technical Classes based on different industrial domains
- o Conducting carrier building activity classes for students
- o Guiding students on
  - How to prepare their resume?
  - Preparation for Interviews
  - How to face the Interview?



➤ How to be a good communicator?

□  
**ARTICLE- 3: COORDINATION OF THE TRAINING PROGRAMME**

- Personnel designated by both the parties shall coordinate the training program.

**ARTICLE- 4: EFFECTIVE DATE AND DURATION OF MOU**

- This MOU shall be effective from the date of its approval by the competent authorities at both ends.
- The duration of the MOU shall be for a period of 4 years from the effective date.
- The MOU may be extended or terminated by a prior notice of not less than one month by either party.
- Any clause or article of the MOU may be modified or amended by mutual agreement of Bajaj Institute of Technology and CADCENTER, IEEL.
- This is not exclusive agreement. Each party is free to enter into agreements with other entities, without limitation, to provide services to those entities. And each party will not bind or attempt to bind either party with regard to any matter.

**ARTICLE- 5: IPR**

- Rights regarding publications, ownership of software/Training materials developed, etc. under the scope of this MOU, shall be decided by the two parties by mutual consent.

**ARTICLE- 6: CONFIDENTIALITY**

- During the tenure of the MOU, both Bajaj Institute of Technology and CADCENTER, IEEL will maintain the strict confidentiality and prevent disclosure of all information and data exchanged under the scope of MOU for any purpose other than in accordance with this MOU.
- Both Bajaj Institute of Technology and CADCENTER, IEEL, shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to 3<sup>rd</sup> parties without prior written approval of the disclosing party are use such confidential information for any use other than intended under this agreement.
- Further both Bajaj Institute of Technology and CADCENTER, IEEL, shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.

- Confidential information shall mean any proprietary information, data or fax belonging to PARTIES collectively are severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal, electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by disclosing party, or specifically agreed to be kept confidential by the parties, or declared are identified by the disclosing party before such disclosure are during the Discussions . However confidential information shall not include any data or information which:
  1. Is or becomes publicly available through no fault of the receiving party.
  2. Is already in rightful possession of the receiving party prior to its respect of such data or information.
  3. Is independently developed by the receiving party without reference to the confidential information of the disclosing party.
  4. Is rightfully obtained by the receiving party from a 3<sup>rd</sup> party or is in the public domain.
  5. Is disclosed with the written consent of the party whose information it is, or
  6. Is disclosed pursuant to a court order or other legal compulsion, after providing prior notice to the disclosing party.

#### **ARTICLE- 7: AMENDMENTS**

Any amendments and/ or addenda to the AGREEMENT shall be in writing and signed by the parties and shall only such execution be deemed to form party of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by such amendment or addenda.

#### **ARTICLE- 8: RESOLUTION OF DISPUTES**

- a) This agreement shall take effect and be construed in accordance with the laws of INDIA and be subject to the jurisdiction of the courts at Bangalore.
- b) The dispute or difference whatsoever arises between PARTIES in relation to or in connection with this AGREEMENT both the parties shall first try to solve the dispute/ difference amicably between themselves, failing which the matter shall be referred to and settled through court , forums.

#### **ARTICLE- 9: MISCELLANEOUS**

- a) The heading and subheadings are inserted for convenience only and shall not affect the construction of the agreement.



b) After this agreement has been signed, all preceding understandings/ negotiations and correspondence pertaining to it shall become null and void.

**PAYMENT DETAILS**

The payments (DD/CASH/CHEQUE) if, it should be made in the name of M/s" CADCENTER BANAGALORE ", ATC of CADCENTER IEEL at Bangalore.

IN WITNESS WHEREOF THE PARTIES HERE HAVE ENTERED INTO THIS AGREEMENT EFFECT AS ON DATE AND YEAR FIRST WRITTEN ABOVE.

BEHALF OF  
BAJAJ INSTITUTE OF TECHNOLOGY,  
WARDHA, BANGALORE

BEHALF OF  
CADCENTER, IEEL  
BANGALORE

  
**PRINCIPAL,**  
Bajaj Institute of Technology  
WARDHA, BANGALORE  
Principal

  
Chief operating Officer

WITNESS  
1. 

2. 

PLACE: BIT, WARDHA

DATE: 19/9/2022



### 3. MoU with VNIT, Nagpur

## MEMORANDUM OF UNDERSTANDING

Between



VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY (VNIT)  
South Ambazari Road, Nagpur-440010, Maharashtra  
<http://vnit.ac.in/>

And



Bajaj Institute of Technology, Arvi Road, Pipri, Wardha-442001 (Maharashtra)  
<https://bitwardha.ac.in/>

## MEMORANDUM OF UNDERSTANDING

Between

Visvesvaraya National Institute of Technology (VNIT), Nagpur, India

And

Bajaj Institute of Technology, Pipri, Wardha, Maharashtra, India

The Agreement is executed on this **Sixteenth Day of January 2023 (Effective Date)** by

V. R. Jamdar Siemens Center of Excellence hereinafter called the “**VRJSCOE**” established and operational at Visvesvaraya National Institute of Technology Nagpur, a premier technical Institution of National Importance incorporated under National Institute of Technology Act, 2007 having its permanent campus and office at Nagpur (hereafter referred to as 'VNIT Nagpur' which expression shall include its successors and assigns) of the first part;

And

**Bajaj Institute of Technology, Pipri, Wardha, Maharashtra, India** hereinafter called the “**BIT Wardha**” (which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successors and assigns) of the second part;

### WHEREAS:

1. The Visvesvaraya National Institute of Technology Nagpur, an Institution of National Importance (formerly known as Visvesvaraya Regional Engineering College) was started as a joint and co-operative venture of the Government of India and the Government of Maharashtra in 1960 with a view to catering to the needs of man-power in technology for the country. The college has been conferred with autonomy in financial and administrative matters to achieve rapid development. Because of this rich experience, this institution was granted Deemed University Status with the approval of the UGC/AICTE and Govt. of India in the year 2003 and renamed as Visvesvaraya National Institute of Technology, thereafter.
2. VRJSCOE established in 2020 at VNIT Nagpur premises with investment from Siemens and VNIT Nagpur as per the Guidelines for Center of Excellence issued by Ministry of Education, Government of India. The **VRJSCOE** operates with a primary objective of creating a robust technical education eco-system through its experience in industrial products and services This **VRJSCOE** is intended to bridge gap between industry

[VRJSCOE]

*Signature*



[BIT Wardha]



requirements and technical education, and provide solution that makes technical institutes be more aligned with industry needs and make engineering graduate students, industry compliant/ on par with industry expectations.

3. **VRJSCOE** has eleven Laboratories namely Design and Validation, Advanced Manufacturing, Test and Optimization, Automation, Smart Factory, Process Instrumentation, Mechatronics, CNC Machines, Robotics, IoT and Reverse Engineering through which different services are offered to Academic Institutions and Industries.

4. **Vision-VRJSCOE**

To be a globally recognized and leading center for skill development, training and Translational research for empowering indigenous manufacturing

5. **Mission - VRJSCOE**

- I. To empower the Indian youth with industry relevant skills in manufacturing technologies by education and training securing rewarding employment opportunities
- II. To develop capabilities and building capacity for indigenous manufacturing in collaboration with industry, academia, and government agencies
- III. To provide access to state-of the art machinery and software tools for innovative design and developing new manufacturing technologies

6. **Details of MoU**

The **VRJSCOE** and VNIT Nagpur, India enters into the following Agreement to offer Skill Development, Training and other related services to **BIT Wardha**

1. **VRJSCOE** offers various skill development courses across different disciplines. **BIT Wardha** committed/commits to send 100 number of students/faculty every year for such courses. The timing/duration of the courses shall be arrived on mutually agreed dates. The **VRJSCOE** offers 30% discount on the regular advertised course fee depending on the demand. In case the number of students/ faculties are less than the committed numbers on completion of a year, this may lead to reconsideration of discounts offered to the associated institute which is subjected to the review. In case the number of students/faculties are between 101-200 then **VRJSCOE** offers 35% discount on the regular advertised course fee depending on the demand.

2. A student/faculty who has completed any CoE offered courses will be given 10 Hours of free Lab usage time after the course within one-year duration. The timing will be decided by the centre based on the availability.

[VRJSCOE]



[BIT Wardha]



3. **VRJSCOE** offers the resources for student projects on chargeable basis. It is the responsibility of the faculty mentor from **BIT Wardha** to monitor the progress. The VRJ Siemens CoE shall not offer any certification for such usage but shall provide an attendance certificate. The **VRJSCOE** offers 25% discount on the facility usage charges.
4. **VRJSCOE** offers Internships to students. The CoE can accommodate a reasonable number of students depending on the demand.
5. The faculty of **BIT Wardha** shall submit funding/consultancy proposals quoting the Siemens CoE resources. In such cases, a VNIT Nagpur faculty will be the Co-PI and budgeting need to be arrived through mutual discussion before submission.
6. **VRJSCOE** periodically conducts workshops/symposiums/conferences etc. For such events, any participant from **BIT Wardha** get 25% discount on the Registration fee.
7. **BIT Wardha**, shall organize events such as workshops/symposiums/conferences jointly with VRJSCOE in such cases, the financial implications need to be discussed and to be approved by competent authorities before the event.
8. **VRJSCOE** will not be responsible for safety of the students outside the VNIT Nagpur premises. **BIT Wardha** should instruct their students clearly on the safety and precautionary measures.
9. **VRJSCOE** will not be responsible for loss/theft or damage of any of the student's, belongings. **BIT Wardha** should instruct their students clearly on the precautionary measures.
10. The implementation of specific activities will be separately agreed between both institutions on need basis.
11. Other terms and conditions which are not provided in this Agreement will be deliberated and agreed upon by the institutions hereto.
12. This Agreement is established in English language and is valid from the date of signing by the representatives of the institutions. The institutions hereto have executed this Agreement in duplicate, and each institution shall keep one copy of the originals.
13. This agreement shall be governed by and construed in accordance with the laws of India. Any dispute arising under these terms and conditions shall be subjected to the jurisdiction of the courts of Nagpur.
14. The two parties will consult each other and attempt to resolve disputes or misunderstandings that arise in the administration of this agreement informally.

[VRJSCOE]

*Shital*



15. This agreement shall be valid for a period of three years from the date both signatures are affixed to this document or before if terminated by mutual agreement of both. This agreement may be terminated by either party after one hundred and twenty (120) days following receipt of a written notification of intent to terminate by the other party.

16. If a proposal to renew this agreement is not presented before the end validity period, it will be terminated automatically at the end of three years.

17. Any deviation from the clauses mentioned in the agreement without any written consent of The Head SCOE, the institute has the right to terminate the agreement without any prior notice. •

18. This is a non-exclusive MoU.

Signed on the 16<sup>th</sup> Day of January 2023 in the witness thereof

On behalf of  
Visvesvaraya National Institute of  
Technology (VNIT)

Sign: \_\_\_\_\_

**Professor P M Padole**  
**Director**  
**VNIT, Nagpur**

On behalf of  
Bajaj Institute of Technology, Wardha  
[BIT, Wardha]

Sign: \_\_\_\_\_

**Dr. Narendra Kanhe**  
**Principal**  
**Bajaj Institute of Technology,**  
**Wardha**



Witness 1. \_\_\_\_\_

Sign: \_\_\_\_\_  
Name: **Dr. Rashmi Uddenwadiker**  
**Aso. Dean(III A)**

Witness 1. \_\_\_\_\_

Sign: \_\_\_\_\_  
Name: **Dr. Deepak Bhoje**

Witness 2. \_\_\_\_\_  
Sign: \_\_\_\_\_  
Name: **Prof. Madhuri Chaudhari,**  
**Dean (R and C)**

Witness 2. \_\_\_\_\_  
Sign: \_\_\_\_\_  
Name: **Dr. H. S. Dalvi**

Coordinator from VNIT:  
Sign: \_\_\_\_\_  
Name: **Dr. Shital S. Chiddarwar**

Coordinator from BIT-Wardha:  
Sign: \_\_\_\_\_  
Name: **A. S. Marothiya**

[VRJSCOE]



[BIT Wardha]

## Appendix:

### Visvesvaraya National Institute of Technology (VNIT), Nagpur

Visvesvaraya National Institute of Technology (VNIT), Nagpur, is an Institute of National importance established by an Act of Parliament, National Institute of technology (Amendment) Act 2012 (No. 28 of 2012) in continuation of Principal Act (29 of 2007). The Institute offers 9 UG & 17 PG courses apart from Ph.D. programmes in the following areas: Architecture, Civil, Computer Science, Chemical, Electrical, Electronics, Mechanical, Metallurgical and Materials, Mining Engineering. Since its inception, this institute has maintained a tradition of academic excellence and training of students for the National Service. The Institute has taken quantum jumps and is one of the leading institutes offering world class technical education. The Institute has signed MoU's with various National and International Universities, Laboratories and Industries under academic and research interaction and collaboration for mutual benefit.

### Bajaj Institute of Technology, Pipri, Wardha, Maharashtra, India

Shiksha Mandal started Bajaj Institute of Technology at Wardha from the 2017-18 academic session, based on approvals from AICTE, New Delhi and Government of Maharashtra. Bajaj Institute of Technology is affiliated to Dr. Babasaheb Ambedkar Technological University, which is State Technological University of Maharashtra. The advantage of this is that the curriculum and valuation is of good quality. Its uniqueness is its focus on enhancing student capability through rigorous learning, an emphasis on learning fundamentals and capacity to use them through hands-on work in the workshop and laboratories and through projects. All students undergo internship in industry during the summer break. Shiksha Mandal has a culture of excellence, discipline, hard work, simplicity, social commitment and ethical behavior. In short, it is committed to producing industry ready engineers and good human beings, who will innovate and deliver their best in the profession.

  
[VRJSCOE]



**4. MoU with Transnil Lighting Ltd., Deoli**

**MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**Shiksha Mandal's**

**BAJAJ INSTITUTE OF TECHNOLOGY (BIT)**

**Pipri, Wardha-442001, Maharashtra, India**

**<http://bitwardha.ac.in>**

**AND**

**TRANSRAIL LIGHTING LIMITED**

**B 1/1, MIDC GROWTH CENTRE, Deoli, Wardha – 442 101,**

**Maharashtra, India**

**<HTTP://TRANSRAIL.IN/>**

The Agreement is executed on this 09<sup>th</sup> of June, 2023 by

**PREAMBLE**

WHEREAS, Bajaj Institute of Technology, Arvi Road, Pipri, Wardha (BIT) at its various engineering departments is charged with responsibility of training technical and scientific manpower in various front-line areas of importance for the Nation and is also contributing to the rapidly growing scientific and technological knowledge and professional excellence in Science & Technology by undertaking responsibility of training the engineering students in practical aspects of their studies.

WHEREAS, Transrail Lighting Limited, B 1/1, MIDC Growth Centre, Deoli, Wardha is involved in enabling transmission across smart grid, solar infrastructure, smart lighting solutions etc.

WHEREAS, both BIT & Transrail Lighting Ltd, now

- Recognizing the importance of training the budding engineers in the areas of power system installation, design & development by providing Internships to the students.
- Appreciating the need for sharing the Expertise by conducting lectures

NOW, THEREFORE, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both BIT and Transrail Lighting Ltd hereby acknowledge, and hereby agree to sign a memorandum of understanding (MOU).

**ARTICLE-I:**

**SCOPE OF THE MOU**

This MOU details the modalities and general conditions regarding collaboration between BIT and Transrail Lighting Ltd, Deoli, Wardha for enhancing, within the country, the availability of highly qualified manpower in the areas of Electrical Engineering & Mechanical Engineering without any prejudice to prevailing rules and regulations in BIT and Transrail Lighting Ltd, Deoli, Wardha.

#### **ARTICLE-II: SCOPE AND TERMS OF INTERACTION**

Both BIT and Transrail Lighting Ltd, Deoli, Wardha shall encourage interactions between the organization personnel of Transrail Lighting Ltd., faculty members and students of BIT through the following arrangements:

1. Organizing visits for students & faculty members.
2. Organizing joint workshops/conferences.
3. Partial delivery of curriculum / Guest lecture/ by Transrail Lighting Ltd, Deoli, Wardha.
4. Sponsoring student projects.
5. Students work evaluation like Project, viva, Internship etc.
6. 4 Weeks to 6 Months Internship for students of BIT, Wardha.
7. Sponsoring R&D projects, which may be carried out wholly at BIT or at site or at Transrail Lighting Ltd, Deoli, Wardha or partly by both parties.
8. Sharing of technology between BIT & Transrail Lighting Ltd, Deoli, Wardha.
9. Consultancy and validation by BIT for Transrail Lighting Ltd, Deoli, Wardha.

#### **ARTICLE-III : SHARING OF FACILITIES**

- a) BIT and Transrail Lighting Ltd, Deoli, Wardha shall make provisions to share their Experts/Faculty members in order to promote academic and research interaction in the areas of cooperation.
- b) BIT and Transrail Lighting Ltd, Deoli, Wardha shall permit the sharing software and other materials and components developed in-house in the areas of cooperation, if permissible within the rules governing the two organizations. However, responsibility for safety of software and other materials during the exchange will rest on respective Head of academic department/section.
- c) BIT and Transrail Lighting Ltd, Deoli, Wardha shall provide access to the library facilities for Employees, faculties and students as per the prevailing rules and norms in the respective organizations.

#### **ARTICLE-IV: CO-ORDINATION OF THE PROGRAMME INCLUDING FINANCIAL ARRANGEMENTS**

a) The collaborative programme between BIT and Transrail Lighting Ltd shall be coordinated by a coordination committee appointed by Directors / Principal Employer of both the Organizations.

b) Financial arrangements for each specific collaboration will be decided on a case- to-case basis and brought on record in each case after due approval from heads of both the organizations.

**ARTICLE-V :**

**EFFECTIVE DATE AND DURATION OF MOU**

a) This MOU shall be effective from the date of its approval by competent authorities at both ends.

b) The duration of the MOU shall be for a period of **“One year”** from the effective date.

c) During its tenancy, the MOU may be extended or terminated by a prior notice of not less than one month by either party. However, termination of the MOU will not in any manner affect the interests of the students/faculty/scientists who have been admitted to pursue a programme under the MOU.

d) Any clause or article of the MOU may be modified or amended by mutual agreement of Transrail Lighting Ltd and BIT.

**ARTICLE-VI : IPR**

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MOU, shall be decided by the two parties by mutual consent.

**ARTICLE-VII: CONFIDENTIALITY**

During the tenure of the MOU, both BIT and Transrail Lighting Ltd will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MOU for any purpose other than in accordance with this MOU.

Both BIT and Transrail Lighting Ltd shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement.

Further both BIT and Transrail Lighting Ltd, Deoli, Wardha shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.

CONFIDENTIAL INFORMATION shall mean any proprietary information, data or facts belonging to PARTIES collectively or severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed to be kept confidential by the parties, or declared or identified so by the disclosing party before such disclosure or during the discussions. However confidential information shall not include any data or information which:

- (a) is or becomes publicly available through no fault of the receiving party,
- (b) is already in the rightful possession of the receiving party prior to its receipt of such data or information;
- (c) is independently developed by the receiving party without reference to the confidential information of the disclosing party
- (d) is rightfully obtained by the receiving party from a third party or is in the public domain
- (e) is disclosed with the written consent of the party whose information it is, or
- (f) is disclosed pursuant to court order or other legal compulsion, after providing prior notice to the disclosing party.

#### **ARTICLE-VIII : AMENDMENTS**

Any amendment and/or addenda to the AGREEMENT shall be in writing and signed by the PARTIES hereto and shall only after such execution be deemed to form part of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by such amendment or addenda.

#### **ARTICLE-IX: MISCELLANEOUS**

- a) The headings and sub-headings are inserted for convenience only and shall not affect the construction of this Agreement.

b) Both BIT and Transrail Lighting Ltd, Deoli, Wardha shall not, during the term of this Agreement directly or indirectly, solicit or offer employment or engagement to any of the personnel of other party without the prior consent in writing of that other party.

c) No failure to exercise and no delay in exercising, on the part of a Party, and right, remedy, power or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right, remedy, power or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power or privilege. The rights, remedies, power and privileges herein provided are cumulative and not exclusive of any right, remedies, powers and privileges provided by law.

d) After this Agreement has been signed, all preceding understandings/negotiations and correspondence pertaining to it shall become null and void.

IN WITNESS WHEREOF PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE.

 Principal (N.M. Kanhe) Bajaj Institute of Technology	 Vice President (Works) Transrail Lighting Ltd, Deoli, Wardha
	
Witness	Witness
1.  N.S. Datta	1.  Abhijit H
2.  Asin Anandhiya	2.  Anil Sankar
Date: 9 <sup>th</sup> May 23	Date: 9 <sup>th</sup> May 23

## 5. MoU with NEERI, Nagpur



### Memorandum of Understanding (MoU)

This Memorandum of Understanding is entered on this 6<sup>th</sup> day of June 2023,

Between

Council of Scientific and Industrial Research, a society registered under the Societies Registration Act (XXI of 1860) and having its registered office at Anusandhan Bhavan, 2, Rafi Marg, New Delhi – 110 001 through Director, National Environmental Engineering Research Institute, having its office at Nehru Marg, Nagpur-440020 (hereinafter called as '**CSIR-NEERI**', which expression shall, unless repugnant to the context or meaning thereof be deemed to mean and include its successors and permitted assigns) of the one part,

AND

**Bajaj Institute of Technology (BIT)** a premier institution established in 2017 affiliated to is affiliated to Dr. Babasaheb Ambedkar Technological University (DBATU), the Technological University of Maharashtra having approval of AICTE and Government of Maharashtra having registered office at Bajaj Institute of Technology, Arvi Road, Pimpri, Wardha- 442 001 (hereinafter called as '**BIT**', which expression shall where the context so admits include its successors and permitted assigns) of the second part.

In the spirit of intellectual cooperation, scholarly exchange, and partnering with leading institutions, **BIT and CSIR-NEERI** agree to establish a program of exchange and collaboration on related matters of mutual interest.

1. The purpose of the cooperation is to promote collaborative research and to facilitate the exchange of ideas, development of new knowledge and enhance high quality research acumen. The major thrust of the research on which the parties will cooperate is Environmental Science & Engineering.
2. The scope of this MoU is purely for the Academic purpose only. The MoU is non-binding in nature and there will not be a financial obligation on either party. The MoU shall not be used for any outsourcing activities among the parties. The scope of this MOU is limited to Academic activities and the MOU is non-binding in nature, no financial obligations, no outsourcing activities between the parties.

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3. The activities under this co-operation will include:
  - a. Promote institutional exchange of faculty and student researchers of the partner institution to participate in various academic activities.
  - b. Organize Seminar, Symposia, Conferences on mutually agreed emerging areas;
  - c. To undertake Guidance and supervision of Doctoral, Post Graduate Project/dissertation work, and also trainee interns

Any of the above work is hereafter referred as 'ACTIVITY'.

4. Prior to the initiation of any particular Activity, the specific terms of cooperation and exchange (TOR) for that ACTIVITY will be discussed and agreed upon in writing by the appropriate responsible representatives with the approval of competent authorities of both institutions.
5. Both parties understand that any financial requirement for specific activities like Seminar, Symposia, Conferences etc. must be mutually agreed upon between the parties
6. The ACTIVITY of institutional exchange of faculty, student, researchers and guidance and supervision of Doctoral, Post Graduate Project/dissertation work, and also trainee interns will be governed by the prevailing rules and guidelines of the host Institute. The parties will have to bear their own cost of expenses required for this ACTIVITY.
7. Each Party agrees to release and hold the other harmless from and against any claims, damages, liability or costs, to the extent such claims damages, liability or costs do not arise from the negligent or wilful acts or any of its agents or employees in connection with their respective performance under this MoU.
8. Both parties agree that in the course of implementing this MoU, they will not engage in unlawful discrimination on the grounds of race, gender, sexual orientation, age, religion, social class, national or ethnic origin or disability.
9. Amendments to this MoU may be made at any time after consultation and agreement between the two institutions. Any such amendment must be in writing and signed by both parties.
10. This MoU will remain in force for a period of 3 (Three) years from the date it is fully executed. The MoU can also be suitably modified, as agreed to by both the parties, to reflect an increased scope, nature of engagement /activities including financial commitments, if any. Prior to the expiration date, the MoU may be reviewed for possible renewal for a further 5 years period. In addition, either party may terminate the MoU in advance of its normal expiration by providing the other with six months' prior written notice. However, for early termination of MoU, all the ongoing activities will continue till completion of commitments and obligations of the activity.



Page 2 of 3

11. Any dispute between the parties arising from this Agreement shall firstly be settled amicably through negotiations and dialogue in good faith, failing which;

- a) In the event of any question/dispute /difference arising under the agreement or in connection herewith (except as to matters the decision of which is specially provided under this agreement) the same shall be referred to the Delhi International Arbitration Centre (DIAC) for appointment of Arbitrator to adjudicate the dispute.
- b) The award of the Arbitrator shall be final and binding on the parties. The Arbitrator may give interim award(s) and /or directions, as may be required.
- c) Subject to the aforesaid provision, the arbitration and conciliation Act, 1996 and the rules made hereunder and any modification thereof from time to time being in force shall be deemed to apply to the Arbitration proceedings under this clause.

12. This MoU has been executed in two originals; one of these has been retained by CSIR-NEERI, Nagpur and the other by BIT.

**SO, AGREED:**

For and on behalf of CSIR-NEERI

For and on behalf of BIT







Signature:   
Name: **डॉ. अमित बंसिवाल / Dr. Amit Bansival**  
Designation: **वरिष्ठ प्रधान वैज्ञानिक एवं प्रमुख / Senior Principal Scientist & Head**  
**महायंत्र विभाग एवं पर्यावरण प्रबंधन केंद्र / Instrumentation & Environmental Control**  
**सी.एस.आई.आर.-राष्ट्रीय पर्यावरण अभियंत्रण अनुसंधान संस्थान**  
**CSIR-National Environmental Engineering Research Institute**  
**नेहरू मार्ग, नागपुर-440 020 (महाराष्ट्र) / Nehru Marg, Nagpur-440 020 (INDIA)**

Signature:   
Name: **Dr. N.M. Kanhe**  
Designation: **Principal**  
**PRINCIPAL,**  
**Bajaj Institute of Technology,**  
**PIMPRI, Wardha**

Witness: (Name and Address)

Witness: (Name and Address)

- 1. 
- 2. 

- 1.  (S.M. Mahajan)
- 2.  (Virek Bhusari)

## 6. MoU with Minimines Cleantech Solutions (P) Ltd. Bengaluru



CIN: U37200RJ2021PTC076164

### MINIMINES CLEANTECH SOLUTIONS (P) LTD.

Corporate Office : No. 41, Veerapura Village, Kasaba Hobli, Doddaballapur Industrial Area, Doddaballapur, Bengaluru Rural, Karnataka, 561203

Reg Address: Flat No 102, First Floor, Plot no 27, Ruheen Ecco Homes, Goner Road, Jagatpura, Jaipur, Rajasthan 302017

Phone: +91-80-671-69260 | Email: info@m-mines.com | www.m-mines.com

### Memorandum of Understanding (MoU)

Date: 10/09/2023

This Memorandum of Understanding agreement ("Agreement") is made and entered into as of on this 10<sup>th</sup> day of September 2023 (the "Effective Date") by and between Shiksha Mandal's Bajaj Institute of Technology Wardha (BITW, SECOND PARTY) and its Affiliate(s), having office at Arvi Road, Pipri, Wardha-442001 ("Company/Group/Individuals"), and MiniMines Cleantech Solutions Pvt. Ltd. (MMCSPL, FIRST PARTY) having a corporate office located at No. 41, Veerapura Village, Kasaba Hobli, Doddaballapur Industrial Area, Doddaballapur, Bengaluru Rural, Karnataka, 561203 ("Company"), which are each designated a "Party" and, collectively, the "Parties."

#### Purpose

The purpose of this Memorandum of Understanding (MoU) is to establish a partnership between MMCSPL and BITW to handle the organization's Lithium-ion battery waste and E-waste collection, along with sustainable recycling of Li-ion batteries. MMCSPL will also install E-waste collection bins on the campus and conduct awareness drives for Lithium-ion battery recycling.

#### Scope of Collaboration

##### A. Lithium-ion Battery Waste Management:

- a. MMCSPL agrees to provide comprehensive solutions for the collection, transportation, and recycling of Lithium-ion battery waste generated by BITW.
- b. MMCSPL will establish a collection system, ensuring the safe and compliant handling of Lithium-ion battery waste.
- c. MMCSPL will utilize its advanced recycling processes to extract valuable materials from the collected Lithium-ion batteries, thereby contributing to the circular economy and minimizing environmental impact.

B. E-waste Collection Bins:

- a. MMCSPL will provide E-waste collection bins to the BITW, strategically placed across the campus.
- b. BITW will ensure the proper usage and maintenance of these collection bins.
- c. MMCSPL will periodically collect the accumulated E-waste from these bins for environmentally responsible recycling.

C. Awareness Drives:

- a. MMCSPL will conduct awareness campaigns and educational programs on Lithium-ion battery recycling, E-waste management, and the importance of sustainable practices.
- b. BITW will support in these awareness drives, facilitating the dissemination of information among its human resources as per the convenience and willingness of students and human resources.

**Responsibilities**

A. MMCSPL Responsibilities:

- a. Provide the necessary infrastructure, expertise, and resources for the collection, transportation, and recycling of Lithium-ion battery waste.
- b. Supply and maintain E-waste collection bins on the BITW campus.
- c. Organize and conduct awareness drives on Lithium-ion battery recycling and E-waste management.

B. BITW Responsibilities:

- a. Cooperate with MMCSPL in the collection and segregation of Lithium-ion battery waste generated on the college campus.
- b. Ensure the proper usage and maintenance of the provided E-waste collection bins.
- c. Promote and actively participate in the awareness drives conducted by MMCSPL.

**Duration and Termination**

This MoU shall come into effect on the date of signing and shall remain valid for a period of 1 year. Either party may terminate this agreement by providing written notice 1 month in advance to the other party.

#### **Confidentiality**

Both parties shall treat any confidential information shared during the course of this partnership with the utmost confidentiality and shall not disclose it to any third party without prior written consent. (The confidentiality terms are subject to the Mutual NDA agreed between both parties.)

#### **Governing Law and Dispute Resolution**

This MoU shall be governed by and construed in accordance with the laws of Bengaluru jurisdiction. Any dispute arising out of or in connection with this MoU shall be resolved amicably through mutual discussions and negotiations between the parties.

#### **Entire Agreement**

This MoU constitutes the entire agreement between MMCSPL and BITW, superseding any prior understanding or agreement, whether written or oral, relating to the subject matter herein.

Please signify your acceptance of the terms and conditions of this MoU by signing an official stamp below:


For MiniMines Cleantech Solutions Pvt. Ltd.:

**Mr. Arvind Bhardwaj, CTO**

Date: 10-09-2023


For Shiksha Mandal's Bajaj Institute of Technology , Wardha.

**Dr. Narendra Kanhe, Principal**

Date: 10/09/2023

**7. MoU with Central Institute of Petrochemicals Engineering and Technology,  
Chandrapur**

**MEMORANDUM OF UNDERSTANDING  
(MoU)**

*BETWEEN*

**Bajaj Institute of Technology  
Pipri, Wardha**

**&**

**Central Institute of Petrochemicals  
Engineering and Technology (CIPET)  
Chandrapur**

*FOR*

**SKILL DEVELOPMENT, TRAINING OF STUDENTS AND  
FACULTY AND JOINT COLLABORATION THROUGH  
INDUSTRY RELEVANT PROJECTS AND CONSULTANCY  
SERVICES**

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## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (here in after called as the 'MoU') is entered into on this the **17<sup>th</sup> day of March, two thousand and twenty-four (17<sup>th</sup> March, 2024)**, by and between Bajaj Institute of Technology, Pipri, Wardha herein by its **Principal, Bajaj Institute of Technology Pipri, Wardha** (here in after referred as 'First Party', the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators, and assigns).

AND

**Central Institute of Petrochemicals Engineering and Technology, Plot No C 10-1, MIDC Tadali Industrial area, Chandrapur 442406** herein by its **Director & Head, Shri. Avneet Kumar Joshi** (here in after referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party') as

### WHEREAS:

- A) First Party is a **Bajaj Institute of Technology, Pipri, Wardha, run by Shiksha Mandal Wardha** is a leading technical educational institution of the region and its various engineering departments is entrusted with the responsibility of imparting technical education of students and upgrade their technical skill sets by using the facilities of its infrastructure facilities. The institute is also contributing to the rapidly growing technological knowledge and professional excellence by undertaking industrial consultancy and projects. First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

AND

Second Party **Central Institute of Petrochemicals Engineering and Technology, Plot No C 10-1, MIDC Tadali Industrial area, Chandrapur 442406**, here in after called as **CIPET: CSTS, Chandrapur** a premier academic institution for higher and technical education under the Ministry of Chemicals and Fertilizers, Government of India. The objective of the CIPET institute is to develop manpower in the domain of plastics namely Design, CAD/CAM, Tooling, Manufacturing and other aspects of Polymer and allied industries.

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NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOWS:

#### CLAUSE 1 CO-OPERATION

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the **Institution**. The Parties shall keep each other informed of potential opportunities and shall share all relevant educational information that may be relevant to secure additional opportunities for oneanother.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching/ skill enhancement systems, keeping in mind the needs of the industry, the SecondParty.

#### CLAUSE 2 SCOPE OF THE MoU

- 2.1 The budding technicians from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills andknowledge, without any prejudice to prevailing rules and regulations and without any disregard to any mechanism evolved and approved by the competent authorities of both parties. The areas of cooperation can be extended through mutual consent.
- 2.2 **Curriculum Design:** Second Party will give valuable inputs to the First Party in the latest technologies used in their institutions and accordingly customize the curriculum so that the students fit into the industrial scenariomeaningfully.
- 2.3 **Guest Lectures:** Second Party to extend the necessary support to deliver guest lecturers to the students of the First Party on the emerging technology trends in Design, Tooling, Material Testing and Quality Assurance and necessary traveling allowances & remuneration shall be paid as per rules.
- 2.4 **Faculty Development Programmes:** Second Party to train the Faculties of First Party and vice versaas per the requirements. The mode of training will be in the form of conductingSeminar, Workshops andGuest lectures. The second partywould also be providing exposure to the faculty members of the first party in CNC machines and microprocessor/PLC controlled processing machineson payment basis as per the guidelines of CIPET.

- 2.5 **Skill Enhancement/Placement Assistance of Students:** Second Party will actively engage in delivery of the training need of students of the First Party in order to bridge the skill gap and make them industry ready. The second party will also provide the necessary support and assistance into internships and placements of students of the first party. The second will provide the skill training to the students of first party in the area of Design, CAD/CAM/CAE, CNC machining, Machine Maintenance Techniques and related Tooling. The necessary payment should be made by the First Party to Second Party.
- 2.6 Both Parties to obtain all internal approvals, consents, permissions, of whatsoever nature required for offering the programmes on the terms specified herein.
- 2.7 There is no financial commitment on the part of the **Bajaj Institute of Technology, Pipri, Wardha**, the First Party or the second party **CIPET:CSTS, Chandrapur** to take up any programme mentioned in the MoU.

#### CLAUSE 3 VALIDITY

- 4.1 This Agreement will be valid for a period of One (01) Year until it is expressly terminated by either Party on mutually agreed terms, during which period **CIPET:CSTS, CHANDRAPUR** the Second Party, as the case may be, will take effective steps for implementation of this MOU. Any act on the part of **CIPET:CSTS, CHANDRAPUR** the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MoU.
- 4.2 Both Parties may terminate this MoU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations.
- 4.3 The skill training of the students will be organized **CIPET:CSTS, CHANDRAPUR** in various areas as required the First Party for the better employment of the students. All the payment related to the training of faculty and students organized at **CIPET:CSTS, CHANDRAPUR** shall be made in favour of **CIPET:CSTS, CHANDRAPUR**.
- 4.3 Students can undertake their project work at **CIPET:CSTS, CHANDRAPUR** in the area of Machining, CAD/CAM/CAE with support of faculties of Second Party

**CLAUSE 4 RELATIONSHIP BETWEEN THE PARTIES**

5.1 It is expressly agreed that **First Party** and **Second Party** are acting under this MoU as independent contractors, and the relationship established under this MoU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

**First Party**

**Second Party**

Any divergence or difference derived from the interpretation or application of the MoU shall be resolved by arbitration between the parties as per the Arbitration Act, 1996. The place of the arbitration shall be at District Head Quarters of the First Party. This undertaking is to be construed in accordance with Indian Law with exclusive jurisdiction in the Chandrapur District court.

**AGREED:**

For  
Bajaj Institute of Technology, Wardha

For  
Central Institute of Petrochemicals  
Engineering Technology, Chandrapur

Authorized Signatory  
**PRINCIPAL,**  
Bajaj Institute of Technology,  
PIPRI, Wardha.



Authorized Signatory



Name of Institution: Bajaj Institute of Technology, Wardha	Name of Institution: Central Institute of Petrochemicals Engineering and Technology, Chandrapur
Address: Arvi Road, Pipri, Wardha 442001	Address: Central Institute of Petrochemicals Engineering and Technology, Plot No C 10-1, MIDC Tadali Industrial area, Chandrapur 442406
Contact Details: 9823382851	Contact Details: 9340722602
E-mail: principal@bitwardha.ac.in	E-mail: chandrapur@cipet.gov.in/ cipetchandrapur@gmail.com
Web: www.bitwardha.ac.in	Web: www.cipet.gov.in

Witness 1:  
Santosh Kumar -   
Assistant Professor

Witness 1:  
Sharath P. T  
Asst. Technical official

Witness 2:  
Dr. Nikhil Sohoni   
(Assistant Professor)

Witness 2:  
Rishkar A. Deshmukh  
(Asst. Placement Consultant)

\*\*\*\*\* End of the MoU \*\*\*\*\*