

Mandatory Disclosure
University Institute of Chemical Technology,
Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
AICTE Permanent Institute ID: 1-28467561

1. Name of the Institution

- **University Institute of Chemical Technology,**
Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
Post Box No. 80, Umavi Nagar, Jalgaon 425001 (M.S.) India
Telephone: 0257-2257441, 2257420 Email: directoruict@nmu.ac.in

2. Name and address of the Trust/ Society/ Company and the Trustees

- Kavayitri Bahinabai Chaudhari North Maharashtra University,
Post Box No. 80, Umavi Nagar, Jalgaon 425001 (M.S.) India
Telephone: +91-257-2257211 /+91-257-2258405 (O)
Email: registrar@nmu.ac.in

3. Name and Address of the Vice Chancellor

- **Prof. V. L. Maheshwari**
Vice-Chancellor,
Kavayitri Bahinabai Chaudhari North Maharashtra University,
Post Box No. 80, Umavi Nagar, Jalgaon 425001 (M.S.) India
Telephone: (+91) 02572257201 Mobile: 9423185071 Email: vco@nmu.ac.in

- **Name and Address of the Director of Institute**
- **Prof. J.B. Naik**
Director, University Institute of Chemical Technology,
Kavayitri Bahinabai Chaudhari North Maharashtra University,
Post Box No. 80, Umavi Nagar, Jalgaon 425001 (M.S.) India
Telephone: +91 257 2258441 Mobile: +919422205671 Email: jbnai@nmu.ac.in

4. Name of the affiliating University

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

5. Governance

- Members of the Board and their brief background
Hon'ble Shri. Bhagat Singh Koshiyari, Chancellor
Prof. Prof. V. L. Maheshwari, Vice Chancellor
Prof. S. T. Ingale, Pro-Vice Chancellor
Prof. K. F. Pawar, Officiating Registrar

•Members of Academic Advisory Body (University Institute of Chemical Technology)

Prof. J.B Naik Director

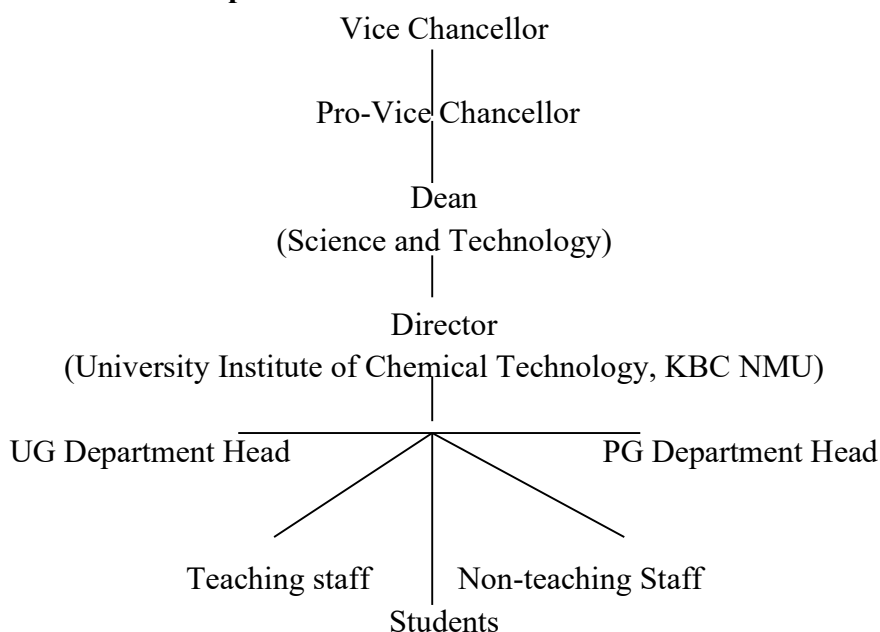
Prof. G.A. Usmani , Head of Oil Tech.

Dr. G.A. Bathe, Head of General Engineering

•Frequency of the Board Meeting and Academic Advisory Body

One meeting every three months

• Organizational chart and processes



•Nature and Extent of involvement of Faculty and students in academic affairs/ improvements

Feedback system, Mentor –mentee program, Alumni involvement in Placement and learning process.

•Mechanism/ Norms and Procedure for democratic/ good Governance

Academic Admission and Exam committees are formed along with other committees and all faculty members, non-teaching staff and students are involved in policy making and execution process as per requirement.

•Student Feedback on Institutional Governance/ Faculty performance

Yes.

Every year feedback from students is conducted through structured questionnaire and analysis is discussed in meetings for improvement.

•Grievance Redressal mechanism for Faculty, staff, and students: Yes, committees are formulated

- **Establishment of Anti Ragging Committee:** Yes
- **Establishment of Online Grievance Redressal Mechanism:** Yes
- **Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University-** Yes. The committee is constituted centrally at university level.
- **Establishment of Internal Complaint Committee (ICC):** Yes, centralised at university
- **Establishment of Committee for SC/ ST -** Yes centralised at university
- **Internal Quality Assurance Cell:** Yes, centralised at university

6. Programmes

- Name of Programmes approved by AICTE -
 - B. Tech. Chemical Engineering
 - B. Tech. Food Technology
 - B. Tech. Oil Technology
 - B. Tech. Plastics Technology
 - B. Tech. Paint Technology
 - M. Tech. Chemical Engineering
 - M. Tech. Food Technology
 - M. Tech. Paint Technology
- Status of Accreditation of the Courses
 - Total number of Courses :08
 - No. of Courses for which applied for Accreditation :01
 - Status of Accreditation – Preliminary/ Applied for SAR and results awaited/ Applied for SAR and visits completed/ Results of the visits awaited/ Rejected/ Approved for Courses - **SAR is Uploaded for one UG programme: B.Tech (Oil Technology)**
- **For each Programme the following details are to be given:**

Program	Level	Course	Duration	Fees (In Rupees)
Engineering and Technology	Undergraduate	Chemical Engineering	04 years	23620
Engineering and Technology	Undergraduate	Paint Technology	04 years	23620
Engineering and Technology	Undergraduate	Food Technology	04 years	23620
Engineering and Technology	Undergraduate	Oil Technology	04 years	23620
Engineering and Technology	Undergraduate	Plastic Technology	04 years	23620
Engineering and Technology	Postgraduate	Chemical Engineering	02 years	33445

Engineering and Technology	Postgraduate	Food Technology	02 years	33445
Engineering and Technology	Postgraduate	Paint Technology	02 years	33445

- Campus placement in last three years with minimum salary, maximum salary, and average salary
<https://nmu.ac.in/udct/Placement.aspx>

- 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: NA
- Whether the Collaboration Programme is approved by AICTE? If not whether the Domestic/Foreign University has applied to AICTE for approval - N.A. -

7. Faculty

- Details of faculty members:
 - Permanent Faculty 13
 - Adjunct Faculty 00
 - Contract Faculty 14
 - Teaching Assistant 07
- Number of Faculty employed and left during the last three years –

2018-2019			2019-2020			2020-2021			2021-2022		
Employed		Left	Employed		Left	Employed		Left	Employed		Left
Regular	Contract		Regular	Contract		Regular	Contract		Regular	Contract	
15	12	0	15	20	0	15	15	5	14	15	1

University Institute of Chemical Technology, KBC NMU Jalgaon

LIST OF FACULTY MEMBERS

Sr. No	Name of Faculty/Staff	Designation	Qualification	Nature of Post
1	Prof. J. B. Naik	Director and Professor	PhD	Regular
2	Prof. G. A. Usmani	Professor	PhD	Regular
3	Dr. A. K. Goswami	Associate Professor	PhD	Regular
4	Dr. R. S. Sirsam	Associate Professor	PhD	Regular
5	Dr. R. P. Gore	Associate Professor	PhD	Regular
6	Dr. V. R. Parate	Associate Professor	PhD	Regular
7	Dr. U. D. Patil	Associate Professor	PhD	Regular
8	Dr. R. G. Puri	Assistant Professor	PhD	Regular

9	Dr. J. S. Narkhede	Associate Professor	PhD	Regular
10	Dr. G. A. Bathe	Associate Professor	PhD	Regular
11	Dr. P. D. Meshram	Assistant Professor	PhD	Regular
12	Dr. T. D. Deshpande	Assistant Professor	PhD	Regular
13	Dr. Vikas S. Patil	Assistant Professor	PhD	Regular
14	Dr. Sujata Shinde	Assistant Professor	PhD	Contract
15	Dr. Nilesh Patil	Assistant Professor	PhD	Contract
16	Dr. Hansraj Patil	Assistant Professor	PhD	Contract
17	Dr. Mahendra Bari	Assistant Professor	PhD	Contract
18	Mr. Vinit Kakde	Assistant Professor	M.Tech	Contract
19	Mr. Vishwaraj Tayade	Assistant Professor	M.E.	Contract
20	Dr. Sunil Marathe	Assistant Professor	PhD	Contract
21	Mrs. Dipali Bhole	Assistant Professor	M.Tech	Contract
22	Ms. Pradnya Surawade	Assistant Professor	M.Tech	Contract
23	Mrs. Harshala Kapadane	Assistant Professor	M.Tech	Contract
24	Ms. Utkarsha Gwalwanshi	Assistant Professor	M.Tech	Contract
25	Dr. M I Talib	Assistant Professor	PhD	Contract
26	Mrs. Komal Patil	Assistant Professor	M.Tech	Contract
27	Mr. Prashant Mande	Assistant Professor	M.Tech	Contract

List of Research Assistants

Sr. No.	Name of Research Scholar
1	Mr. Sagar Pardeshi
2	Miss Aasma Tadavi
3	Mr. Shivraj Dhole
4	Mr. Nikhil Borane
5	Miss. Bharati Koli
6	Miss. Shilpa Mandpe
7	Miss. Swati Sonowane

8. Profile of Director

- **Name:** Dr. Jitendra Baliram Naik
- **Date of Birth:** 02/09/1971
- **Unique id:** e-1688 / 1-441497408
- **Education Qualifications:** Ph. D. (Chemical Technology)
- **Work Experience**
 - Teaching : 23 Yrs
 - Research : 25 Yrs
 - Industry : -
 - others :-
- **Area of Specialization:** Chemical Technology
- **Courses taught at Undergraduate/ Post Graduate Level:** UG: Industrial Pollution Control, PG: Instrumental Techniques and Pollution Control in Chemical Industries
- **Research guidance**
 - No. of papers published in National/ International Journals/ Conferences - 10
 - Master - 40
 - Ph.D. - 18
- **Projects carried out:** 08
- **Patents:** 03
- **Technology Transfer:** -
- **Research Publications :** >120
- **No. of Books published with details:** Book edited: Nano based drug delivery



Profile of Faculty Members:

- **Name:** Prof. Dr. Ghayas A. Usmani
- **Date of Birth:** 12th March, 1964
- **Unique id:** 1-445542944
- **Education Qualifications:**
B. Tech., G.A.T.E., M. Tech., Ph. D. (Tech.)
- **Work Experience**
 - Teaching: 32 years
 - Research: 33 years
 - Industry: Nil
 - others : Nil
- **Area of Specialization:** Oil Technology
 - **Courses taught at Undergraduate/ Post Graduate Level:** Oils, Surfactants, Oleo chemicals, Quality Control, Perfumery and Cosmetics, Soaps and Detergents, Modified and Tailor-made oils
 - **Research guidance**
 - No. of papers published in National/ International Journals/ Conferences - 48
 - Master -23



- Ph.D. -08
- Projects carried out: 04
- Patents: Nil
- Technology Transfer:
- Research Publications: 47
- No. of Books published with details: Nil

• **Name: Dr. Ajaygiri Kamalgiri Goswami**

- Date of Birth: 07/12/1972
- Unique id: 1-445543093
- Education Qualifications:

M.Tech, (Chemical Technology), M.B.A.(HRD), Ph.D. (Chemical Technology).



- Work Experience
 - Teaching: 24 years
 - Research: 14 years
 - Industry: Nil
 - others : Nil

• Area of Specialization:
Chemical Engineering , Petroleum and Petrochemicals, Oil Technology, Polymer's engineering, Pharmaceutical Tech, Biofuels.

• Courses taught at Undergraduate/ Post Graduate Level:
Process dynamics & control, petroleum , refining engineering., modern methods of extractions

- Research guidance
 - No. of papers published in National/ International Journals/ Conferences –121
 - Master -> 10
 - Ph.D. -01

- Projects carried out: 01
- Patents: Nil
- Technology Transfer: Nil
- Research Publications: 121
- No. of Books published with details: Nil

• **Name: Dr. Rajkumar Shankarrao Sirsam**

- Date of Birth: 28/12/1975
- Unique id: 1-445543292
- Education Qualifications: B. Tech., M. Tech., Ph. D.
- Work Experience
 - Teaching :18
 - Research :15
 - Industry :Nil
 - others :Nil



- Area of Specialization: Wastewater treatment, Nanocomposite synthesis and its application
- Courses taught at Undergraduate/ Post Graduate Level: Mass Transfer, Heat mass momentum transfer, multiphase systems, Heat transfer, Fluid mechanics.
- Research guidance
 - No. of papers published in National/ International Journals/ Conferences - 23
 - Master -25
 - Ph.D. -02 on going
- Projects carried out: 03
- Patents:01
- Technology Transfer:Nil
- Research Publications : 23
- No. of Books published with details: Nil

- **Name: Dr.Rambhau P. Gore**
- Date of Birth: 18/07/1971
- Unique id:1-445642491
- Education Qualifications: M.Sc. SET, Ph.D.
- Work Experience
 - Teaching : 25 Years
 - Research : 18 Years
 - Industry : NA
 - others : NA



- Area of Specialization: Organic Chemistry
- Courses taught at Undergraduate/ Post Graduate Level: 01 (Chemistry-II)
- Research guidance
 - No. of papers published in National/ International Journals/ Conferences - 19
 - Master - NA
 - Ph.D. – 02 (Working)
- Projects carried out: 02
- Patents: NA
- Technology Transfer: NA
- Research Publications: 19
- No. of Books published with details: 01,
Basic Concept in Organic Chemistry, Atharva Publication, Jalgaon, 2017, ISBN No. 9789386196286, Dr. R. P. Gore

- **Name: Dr. Jitendra S. Narkhede**
- Date of Birth: 27/01/1980
- Unique id: **1-447691909**
- Education Qualifications: M.Tech., Ph.D
- Work Experience
 - Teaching : 14 years
 - Research : 10
 - Industry : 02
 - others : ---Nil



- Area of Specialization: Polymer and Plastics Technology
- Courses taught at Undergraduate/ Post Graduate Level:

Undergraduate	
1.	PLL 301 Chemistry & Technology of Polymers I
2.	PLP 304 Synthesis of Thermosets
3.	PLL 203 Polymerization Kinetics
4.	PLC 404 Polymer Testing (TH & PR)
5.	PLL-304 Polymer Rheology
6.	PLC-303 Plastics Materials and Applications-II .(TH)
Postgraduate	
1.	PT 1.3 Automotive and Insulation Coatings
2.	PT 1.1 Newer Techniques of Synthesis & Curing of Polymers
3.	PNT 2.1 Waterborne Polymers and Coatings

- Research guidance
 - No. of papers published in National/ International Journals/ Conferences –
International: 12 National: 05
 - Master - 18
 - Ph.D. –Degree Awarded: 02 Ongoing: 04
- Projects carried out:

Sr. No.	Project Title	Funding Agency	Duration	Total Grant (Rs.)
1.	PBT, PTT Nano composites using Oligomeric ally modified clays	UGC	2009-10	1,95,000.00
2.	Studies on Morphological Behavior and Properties of Immiscible Polymer Blends as a Consequence of Different Nano fillers	UICT, TEQIP – II Grants	2013-2016	4,00,000.00
3.	Process development of Stable and Clean Acrylic / Styrene Acrylic emulsion polymer by Emulsion Polymerization process (Core Shell technology)	Croda India Ltd. Mumbai	2017-18	2,70,000.00

- Patents: Nil
- Technology Transfer: Nil
- Research Publications: 12
- No. of Books published with details: Nil
- **Name: Vishal Radhelal Parate**
- Date of Birth: 14/ 09/ 1976
- Unique id: 1-445543440
- Education Qualifications:
B.Tech, M.E., Ph.D. Chem Tech.(Food Tech)
- Work Experience
 - Teaching : 15
 - Research : 09
 - Industry : 07



- others : NA
- Area of Specialization: Food Technology
- Courses taught at Undergraduate/ Post Graduate Level:
B.Tech. &M.Tech. Food Technology
- Research guidance
 - No. of papers published in National/ International Journals/ Conferences –
National: 16 International: 37
 - Master - 52
 - Ph.D. – Going on: 4 as guide + 1 as co-guide
- Projects carried out: 1 minor
- Patents: 02
- Technology Transfer: Nil
- Research Publications :52
- No. of Books published with details: 01

Shilpa MandpeAmbade, Vishal R. Parate, Md. Rageeb Md. Usman and Bharat V. Jain, 2019. A Textbook of “Dietary Supplements and Nutraceuticals”. Publisher S. Vikas and Company, Jalandhar (Punjab), India. ISBN: 9781543343243, Trademark No.1350444

- **Name: Dr.Ujwal Dhanraj Patil**
- Date of Birth: 05/06/1982
 - Unique id:1-445633485
- Education Qualifications: B.Tech. , M.Tech. , Ph.D.
 - Work Experience
 - Teaching : 17 Years
 - Research : 15 Years
 - Industry : NIL
 - others : NA
 - Area of Specialization:
 - Courses taught at Undergraduate/ Post Graduate Level:
Process Calculation, Fluid Mechanics, Modelling, Simulation and CAD, Chemical Engg. Mathematics
 - Research guidance:
 - No. of papers published in National/ International Journals/ Conferences: 20
 - Master: 05
 - Ph.D.: 01 Completed, 05 ongoing
 - Projects carried out: 04
 - Patents: 01
 - Technology Transfer: NIL
 - Research Publications: 17
 - No. of Books published with details: NIL



• **Name: Dr.Ganesh A.Bathe**

• Date of Birth:02/08/1977

• Unique id: 1-447692038

• Education Qualifications: Ph.D.

• Work Experience

- Teaching : 21 years
- Research : 13 years
- Industry : 03 months
- others :Nil

• Area of Specialization: Foam bed , solid state fermenter

• Courses taught at Undergraduate/ Post Graduate Level: UG and PG

• Research guidance

- No. of papers published in National/ International Journals/ Conferences -14
- Master - 12
- Ph.D. - 03

• Projects carried out: 03

• Patents:01 published

• Technology Transfer:NIL

• Research Publications : 14

• No. of Books published with details: 02



• **Name: Dr P D Meshram**

• Date of Birth: 06/11/1983

• Unique id: 1-447832497

• Education Qualifications: B.Tech , M.Tech., Ph.D.

• Work Experience

- Teaching : 13 Years
- Research : 02 Years
- Industry : 02 Years
- others : Nil



• Area of Specialization: Study in the application of pervaporation in extraction of oil seeds using isopropanol

• Courses taught at Undergraduate/ Post Graduate Level:

Technology of Fat Splitting and soaps.

Biochemistry and biotech. Of lipids

Synthesis and analysis of surfactant and detergents Refining of oils and fats

• Research guidance

- No. of papers published in National/ International Journals/ Conferences - 30
- Master - 15
- Ph.D. - Nil

• Projects carried out: 01

• Patents: Nil

• Technology Transfer: NA

- Research Publications : 11
- No. of Books published with details: NA

- **Name: Dr. Ravindra G.Puri**
- Date of Birth: 13/10/1977
- Unique id: 1-447691901
- Education Qualifications: M. Tech Ph.D.



- Work Experience
 - Teaching : 14
 - Research : 14
 - Industry : 04
 - others :Nil
- Area of Specialization: Paint Technology
- Courses taught at Undergraduate/ Post Graduate Level:
 - PTL-304 Specialty Coatings and Additives for Coatings (UG)
 - PTC-301 Architectural Coatings (UG)
 - PTL-404 Quality Assurance & Analysis of Surface Coatings (UG)
 - PT 1.4 Theory of Colour and Architectural Coatings (PG)
 - PT-2.7 Theory of Corrosion and Marine and Maintenance Coatings (PG)
- Research guidance
 - No. of papers published in National/ International Journals/ Conferences - 12
 - Master - 15
 - Ph.D. – 02 ongoing
- Projects carried out: Nil
- Patents: 01
- Technology Transfer: Nil
- Research Publications : 12
- No. of Books published with details: Nil

- **Name: Tushar Dilip Deshpande**
- Date of Birth:12/11/1979
- Unique id:1-447833125
- Education Qualifications: **Ph. D. (Chemical Engineering)**
- Work Experience
 - Teaching :12 years
 - Research :15 years
 - Industry :NIL
 - others :NIL
- Area of Specialization: **Chemical Engineering**
- Courses taught at Undergraduate/ Post Graduate Level:



Undergraduate	Postgraduate
Chemical Reaction Engineering I & II	Polymer Reaction Engineering
Transport Phenomena	Applications of Nanoscience and Technology
Chemical Engineering Thermodynamics	
Process Equipment Design	
Machine Design and Drawings	

- Research guidance:
 - No. of papers published in National/ International Journals/ Conferences -:**15**
 - Master -**03 (completed), 02(working)**
 - Ph.D. -**02 working**
- Projects carried out: **02**
- Patents:**02 (Granted 01 Published 01)**
- Technology Transfer: NIL
- Research Publications:**15**

- **Name: Dr. Vikas Patil**

- Date of Birth: 14th June 1984
- Unique id: 1-7448251262
- Education Qualifications: M. Sc. Ph. D. (Chemistry)
- Work Experience
 - Teaching : 04 Years
 - Research : 06 years
 - Industry : 01 Year
 - others : Not Applicable



- Area of Specialization: Material Science and Engineering Chemistry
- Courses taught at Undergraduate/ Post Graduate Level:
 - 1) Thermodynamics
 - 2) Electric and Electronics Engineering
- Research guidance
 - No. of papers published in National/ International Journals/ Conferences -**45**
 - Master – 02 (M. Sc. Industrial Chemistry)
 - Ph.D. - 04 (Ongoing)
- Projects carried out: 02 Completed, 01 (ongoing)
- Patents: Nil
- Technology Transfer: 01 (Process Development of Reactive Dye Intermediate)
- Research Publications: 45 (International papers) 05 (Book Chapters)
- No. of Books published with details: 1) **Small Bioactive Compounds: From Synthesis to Biological Evolutions** E-ISBN: 978-1-68576-211-7 (PUBLISHER & PRINTER: INSC International Publishers)

• **Name: Dr. M. I. Talib**

• Date of Birth: 01-07-1959

• Unique id: 772576027432

• Education Qualifications:

PhD, M. Tech, BSc. Tech, ADCSSAA

• Work Experience

- Teaching: 19 yrs.
- Research: 05 yrs.
- Industry: one yr.
- others :

• Area of Specialization: Food Technology

• Courses taught at Undergraduate/ Post Graduate Level: B.Tech (food tech) and M.Tech (food Technology)

• Research guidance

- No. of papers published in National/ International Journals/ Conferences -63
- Master -55
- Ph.D. -08

• Projects carried out: 02

• Patents:01

• Technology Transfer: nil

• Research Publications: 63

• No. of Books published with details: Nil



• **Name: Dr. (Mrs) Sujata Ramkrishna Shinde**

• Date of Birth: 12-02-1971

• Unique id: 1-7448251210

• Education Qualifications:

M. Sc., M.Phil. Ph.D. (Physics) M.Sc.(Information Technology)

• Work Experience

- Teaching : 18 years
- Research : 10 years
- Industry :Nil
- others :Nil

• Area of Specialization: Nanomaterials and Gas sensors

• Courses taught at Undergraduate/ Post Graduate Level:

Undergraduate: Physics, Material Science and Technology, Electronics (Theory + practical).

Postgraduate: Computer Applications, Computer Programming in C++ and Practical.

• Research guidance

- No. of papers published in National/ International Journals/ Conferences -3
- Master - Nil
- Ph.D. -Nil

• Projects carried out: Nil



- Patents: Nil
- Technology Transfer: Nil
- Research Publications: 01 + 1 submitted
- No. of Books published with details: Nil

- **Name: Mahendra Laxman Bari**

- Date of Birth: 20/07/1980
- Unique id: 1-7431395182
- Education Qualifications: M. Tech Ph.D.
- Work Experience

- Teaching :13 Years
- Research :11 Years
- Industry :01 Year
- others : NA

- Area of Specialization: Chemical Engineering
- Courses taught at Undergraduate/ Post Graduate Level:

Undergraduate Courses: Mass Transfer Operation I , Mass Transfer Operation I,
Chemical Reaction Engineering, Transport Phenomenon,
Mechanical Operation, Introduction to Chemical Engineering

Post Graduate Courses: Chemical Engineering Modelling and Optimisation
Reaction Engineering and Nano Catalysis

- Research guidance
 - No. of papers published in National/ International Journals/ Conferences -01
 - Master -04
 - Ph.D. - NIL

- Projects carried out: 02
- Patents: NIL
- Technology Transfer: NIL
- Research Publications: 06
- No. of Books published with details: NIL



- **Name: Dr. Patil Hansraj Vishwanath**

- Date of Birth: 30/03/1972
- Unique id:1-7448553229
- Education Qualifications: M. Tech. Ph. D.
- Work Experience

- Teaching : 14
- Research : 12
- Industry : 06
- others :

- Area of Specialization:Oils Oleo chemicals & Surfactants Technology
- Courses taught at Undergraduate/ Post Graduate Level:

i) Chemistry & Technology of Lipids.



- ii) Technology of Perfumery & Cosmetics.
- iii) Post Harvest Technology of Oil Bearing Materials.
- iv) Technology of Surfactants & Detergents.

- Research guidance
 - No. of papers published in National/ International Journals/ Conferences - 06
 - Master - 08
 - Ph.D. -Nil
- Projects carried out: NA
- Patents: NA
- Technology Transfer: NA
- Research Publications: 06
- No. of Books published with details: NA

- **Name:** Dr. Nilesh Prabhakar Patil
- **Date of Birth:** 21/02/1985
- **Unique id:** 1-7448251986
- **Education Qualifications:** B.Tech (Chemical Engineering)
M.Tech (Chemical Engineering)
M.B.A (Marketing)
M.B.A (Finance)
Ph.D. (Chemical Engineering)
P.G.D (Intellectual Property Rights)



- **Work Experience**
 - Teaching : 10 Years
 - Research : 10 Years
 - Industry : 04 Years
 - others : 08 Years
- **Area of Specialization:** Fluid Mechanics
Mass Transfer
Heat Transfer
Process Modelling & Simulation
Process Design & Development
Project Management
Economics & Costing
- **Courses taught at Undergraduate/ Post Graduate Level:**

Subjects Taught

PG Level - M.Tech (Chemical Engineering)

Sr. No.	Subject	Discipline	Semester/ Year
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01	Heat, Mass & Momentum Transfer	Chemical Engineering (PG)	PG - I
02	Mass Transfer with Multiphase System	Chemical Engineering (PG)	PG - II
03	Technical Seminar & Final 01 Year Project	Chemical Engineering (PG)	PG - III&IV

UG Level - B.Tech (Chemical Engineering)

Sr. No.	Subject	Discipline	Semester/Year
1	Introduction to Chemical Engineering	Chemical Engineering (UG)	UG - III
2	Fluid Mechanics	Chemical Engineering (UG)	UG - III
3	Chemical Process Technology	Chemical Engineering (UG)	UG - IV
4	Mass Transfer - I	Chemical Engineering (UG)	UG - V
5	Chemical Reaction Engineering – I	Chemical Engineering (UG)	UG - V
6	Instrumentation & Instrumental Analysis	Chemical Engineering (UG)	UG - V
7	Machine Design & Drawing	Chemical Engineering (UG)	UG - V
8	Mass Transfer - II	Chemical Engineering (UG)	UG - VI
9	Chemical Reaction Engineering – II	Chemical Engineering (UG)	UG - VI
10	Mathematical Methods in Chemical Engineering	Chemical Engineering (UG)	UG - VI
11	Industrial Pollution Control	Chemical Engineering (UG)	UG - VI
12	Transport Phenomena	Chemical Engineering (UG)	UG - VII
13	Plant Design, Economics & Costing	Chemical Engineering (UG)	UG - VII
14	Newer Separation Techniques	Chemical Engineering (UG)	UG - VII
15	Technical Seminar & Final 06 Month Project	Chemical Engineering (UG)	UG - VIII

- Research guidance

- No. of papers published in National/ International Journals/ Conferences - 38
- Master: 13
- Ph.D.: NIL
- Projects carried out: NIL
- Patents: NIL
- Technology Transfer: NIL
- Research Publications: Journals – 13 / Conferences (National – 22 / International – 16)
- No. of Books published with details: NIL

• **Name: Komal Sudhakar Patil**

- Date of Birth: 10th May 1981
- Unique id: 1-7430037069
- Education Qualifications: B. Tech (Plastics Technology)
M.E. (Chemical Engineering)



- Work Experience
 - Teaching : 11 Years
 - Research : Nil
 - Industry : Nil
 - others : Nil
- Area of Specialization: Plastics Technology
- Courses taught at Undergraduate/ Post Graduate Level: Introduction to Polymer Technology, Plastic Materials and Applications-I , Plastic Materials and Applications-II, Processing of Plastics-I, Processing of Plastic-II, Polymer Blends and Composites.
- Research guidance
 - No. of papers published in National/ International Journals/ Conferences - Nil
 - Master - Nil
 - Ph.D. - Nil
- Projects carried out: Nil
- Patents: Nil
- Technology Transfer: Engineering and Technology
- Research Publications : Nil
- No. of Books published with details: Nil

• **Name: Dr. Sunil Devidas Marathe**

- Date of Birth: 23/08/1986
- Unique id: 1-7431395413
- Education Qualifications: M.Sc., Ph.D.
- Work Experience
 - Teaching : 5 Yrs
 - Research : 10 Yrs
 - Industry : Nil
 - others : Nil
- Area of Specialization: Organic Chemistry



- Courses taught at Undergraduate/ Post Graduate Level: Chemistry
- Research guidance
 - No. of papers published in National/ International Journals/ Conferences -NIL
 - Master -NIL
 - Ph.D. -NIL
- Projects carried out: NIL
- Patents: NIL
- Technology Transfer: NA
- Research Publications -08
- No. of Books published with details: NIL

• **Name: Prashant Pramod Mande**

- Date of Birth: 06/08/1986
- Unique id:
- Education Qualifications: M. Tech.
- Work Experience
 - Teaching : 2
 - Research : 5
 - Industry : nil
 - others : nil



- Area of Specialization: Food technology/Flavour technology

• Courses taught at Undergraduate/ Post Graduate Level: Food Chemistry, Microbiology, and molecular biology, Food Processing I, Food Quality, Food Biotechnology, / Industrial fermentation Technology, Advanced Bakery and Confectionery Technology

- Research guidance
 - No. of papers published in National/ International Journals/ Conferences – Nil
 - Master -Nil
 - Ph.D. -Nil

- Projects carried out: Nil
- Patents: Nil
- Technology Transfer: Nil
- Research Publications: 3 International journals
- No. of Books published with details: Nil

• **Name: Utkarsha Umesh Gwalwanshi**

- Date of Birth: 21/01/1995
- Unique id: 1-7448553977
- Education Qualifications:
M.Tech (Surface Coating), Ph.D. (Pursuing)
- Work Experience
 - Teaching : 3 Yrs
 - Research: - nil
 - Industry: - nil
 - Others : - nil



- Area of Specialization: Paint Technology

- Courses taught at Undergraduate/ Post Graduate Level:

PTC-302 Chemistry & Technology of Polymers

PTL-303 Eco-friendly Coating Technologies

PTL-403 Applications Techniques & Paint Defects

PT 1.3 Automotive and Insulation Coatings

- Research guidance

- No. of papers published in National/ International Journals/ Conferences - 0

- Master - 0

- Ph.D. – 0

- Projects carried out: -Nil

- Patents: -Nil

- Technology Transfer: -Nil

- Research Publications: -Nil

- No. of Books published with details: -Nil

- **Name: Ms. Deepali Kailas Bhole**

- Date of Birth: 22/804/1990

- Unique id:1-7448553435

- Education Qualifications:M.Tech Chemical Engineering

- Work Experience

- Teaching : 5 years

- Research :Nil

- Industry :Nil

- others :Nil

- Area of Specialization: Chemical Engineering

- Courses taught at Undergraduate/ Post Graduate Level: Fluid Mechanics, Instrumentation & Instrumental Analysis, Process Equipment Design & Drawing, Chemical Process Technology

- Research guidance

- No. of papers published in National/ International Journals/ Conferences - 02

- Master -Nil

- Ph.D. -Nil

- Projects carried out: Nil

- Patents:Nil

- Technology Transfer:Nil

- Research Publications : Nil

- No. of Books published with details: Nil



- **Name: Mrs. Harshala Nitin Kapadane**

- Date of Birth: 01/01/1994

- Unique id: 1-7379125055

- Education Qualifications: M-Tech(Paint technology)

- Work Experience



- Teaching : 2years
- Research :Nil
- Industry :Nil
- others :Nil
- Area of Specialization: Paint technology
- Courses taught at Undergraduate/ Post Graduate Level:
 - PTC-201(Introduction To Coating Technology)
 - PTC-202(Technology of Pigments)
 - PLC-201(Introduction to Polymer Technology)
 - PLC-202 (Chemistry and Technology of polymers)
 - PTL-307 (Engineering of pigmented dispersion)
- Research guidance
 - No. of papers published in National/ International Journals/ Conferences -Nil
 - Master -Nil
 - Ph.D. -Nil
- Projects carried out: Nil
- Patents:Nil
- Technology Transfer:Nil
- Research Publications : Nil
- No. of Books published with details: Nil

• **Name:Miss. PradnyaPralhadSurwade**



- Date of Birth: 26-01-1988
- Uniqueid: 1-7379124760
- Education Qualifications:
 - BE(E&TC), MBA(Operations Management),NET
- Work Experience
 - Teaching:6years,8 months
 - Research:nil
 - Industry :nil
 - others:nil
- Area of Specialization: Management
- Courses taught Undergraduate/Post Graduate Level: BBA,BE,MBA
- Researchguidance
 - No.of papers published in National/International Journals/Conferences-nil
 - Master- nil
 - Ph.D.-nil
- Projects carried out :nil
- Patents:nil
- Technology Transfer: nil
- Research Publications-08
- No.of Books published with details: nil

- **Name: Mr. Vinit Kakde**

- Date of Birth: 31/05/1984

- Unique id: 1-7379018481

- Education Qualifications: MTech

- Work Experience

- Teaching :09 Yrs
- Research :00
- Industry : 01 Yrs
- others :Nil

- Area of Specialization: Information Technology

- Courses taught at Undergraduate/ Post Graduate Level: C, C++, DS, TOC, DBMS, and DAA.

- Research guidance

- No. of papers published in National/ International Journals/ Conferences - 11
- Master -05
- Ph.D. - 00

- Projects carried out: 00

- Patents: 00

- Technology Transfer: Machine Learning

- Research Publications: 05

- No. of Books published with details: 00



- **Name: Mr Vishwaraj Supadu Tayade**

- Date of Birth: 14/08/1992

- Unique id: 1-7379124691

- Education Qualifications:

Master of Engineering (Mechanical-General)

- Work Experience

- Teaching : 4
- Research : nil
- Industry : 01
- others : nil

- Area of Specialization: Mechanical Engineering

- Courses taught at Undergraduate Level: Engineering Graphics, Strength of Material, Machine Design , Mechanical Vibrations

- Research guidance

- No. of papers published in National/ International Journals/ Conferences – Nil
- Master - Nil
- Ph.D. - Nil

- Projects carried out: Nil

- Patents: Nil

- Technology Transfer: Nil

- Research Publications: 05

- No. of Books published with details: Nil



• **Name: Ms. Lalita Pandurang Nerkar**

• Date of Birth: 16/06/1993

• Unique id: -

• Education Qualifications:

M. Sc.(Mathematics), NET, SET.



• Work Experience

- Teaching : 4 years
- Research :-
- Industry :-
- others :-

• Area of Specialization: Mathematics

• Courses taught at Undergraduate/ Post Graduate Level: Calculus-I, Calculus -II, Calculus-III, Linear Algebra, Mathematical Analysis, Mathematics-I, Mathematics-II, Mathematics-III.

• Research guidance

- No. of papers published in National/ International Journals/ Conferences -- Nil
- Master -- Nil
- Ph.D. -- Nil

• Projects carried out: Inspire Fellow under the fellowship INSPIRE of DST Delhi.

• Patents: - Nil

• Technology Transfer: - Nil

• Research Publications: - Nil

• No. of Books published with details: - Nil

9. Fee as per University Policy

- Details of Fee, as approved by State Fee Committee, for the Institution
- Time schedule for payment of Fee for the entire Programme
- No. of Fee waivers granted with amount and name of students
- Number of scholarships offered by the Institution, duration and amount
- Criteria for Fee waivers/scholarship
- Estimated cost of Boarding and Lodging in Hostels

10. Admission

• Number of seats sanctioned with the year of approval:

Sr. No	Course Name	Intake Capacity	Duration
1	B. Tech (Chemical Engineering)	60	4 Year
2	B. Tech (Paint Technology)	15	4 Year
3	B. Tech (Oils, Fats & Waxes Technology)	15	4 Year
4	B. Tech (Food Technology)	15	4 Year
5	B. Tech (Polymer & Plastic Technology)	15	4 Year
6	M. Tech (Chemical Engineering)	12	2 Year
7	M. Tech (Paint Technology)	12	2 Year
8	M. Tech (Food Technology)	12	2 Year

• Number of Students admitted under various categories each year in the last three years
Year 2017-18- 120 year 2019-19 -120, year 2019-20- 122 - as per DTE allotment

- Number of applications received during last two years for admission under Management Quota and number admitted: **as per DTE online process**

11. Admission Procedure

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

<https://fe2021.mahacet.org/StaticPages/HomePage>

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

CET (State Conducted) as per State government norms

- Calendar for admission against Management/vacant seats: **- N.A. -**
 - Last date of request for applications
 - Last date of submission of applications
 - Dates for announcing results
 - Release of admission list (main list and waiting list shall be announced on the same day)
 - Date for acceptance by the candidate (time given shall in no case be less than 15 days)
 - Last date for closing of admission
 - Starting of the Academic session
 - The waiting list shall be activated only on the expiry of date of main list
 - The policy of refund of the Fee, in case of withdrawal, shall be clearly notified

12. Criteria and Weightages for Admission: **N.A.**

- Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.
- Mention the minimum Level of acceptance if any
- Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years
- Display marks scored in Test etc. and in aggregate for all candidates who were admitted

13. List of Applicants

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

14. Results of Admission Under Management seats/Vacant seats **- N.A. -**

- Composition of selection team for admission under Management Quota with the brief profile of members (This information be made available in the public domain after the admission process is over)
- Score of the individual candidate admitted arranged in order of merit Approval Process Handbook 2020-21 297
- List of candidates who have been offered admission

- Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate
- List of the candidate who joined within the date, vacancy position in each category before operation of waiting list

15. Information of Infrastructure and Other Resources Available:

Details of below infrastructure as mentioned in attached EOA

- Number of Classrooms and size of each
- Number of Tutorial rooms and size of each
- Number of Laboratories and size of each
- Number of Drawing Halls with capacity of each
- Number of Computer Centres with capacity of each
- Central Examination Facility, Number of rooms and capacity of each
- Barrier Free Built Environment for disabled and elderly persons- Yes
- Occupancy Certificate : yes
- Fire and Safety Certificate : yes
- Hostel Facilities **Centralised for boys and Girls**

Sr.No.	Room No.	Room type (mention Class room / Lab / Toilet, etc.)	Carpet area (in sq m)
1.	9	Classroom (UG)	96.03
2.	101	Classroom (UG)	70.68
3.	102	Classroom (UG)	153.36
4.	103	Classroom (PG)	71.66
5.	104	Laboratory (UG)	71.05
6.	106	Laboratory (UG)	73
7.	107	Laboratory (PG)	109.52
8.	11	Laboratory (UG)	25
9.	110	Laboratory (UG)	72.15
10.	111	Laboratory (UG)	75.19
11.	114	Laboratory (PG)	74.41
12.	115	Laboratory (UG)	96.03
13.	116	Classroom (PG)	58.5
14.	119	Laboratory (UG)	119.43
15.	120	Laboratory (UG)	70.68
16.	123	Laboratory (UG)	96.03
17.	127	Laboratory (UG)	96.03
18.	129	Laboratory (UG)	71.66
19.	131	Laboratory (UG)	96.03
20.	132	Classroom (UG)	96.03
21.	204	Laboratory (UG)	66
22.	205	Laboratory (UG)	59.42
23.	211	Laboratory (UG)	72.89
24.	212	Laboratory (UG)	96.03
25.	213	Laboratory (UG)	96.03

26.	215	Laboratory (UG)	70.63
27.	217	Classroom (UG)	64.83
28.	220	Classroom (UG)	197.5
29.	222	Classroom (UG)	96.03
30.	225	Laboratory (UG)	122.14
31.	227	Classroom (PG)	71.66
32.	229	Laboratory (UG)	60
33.	230	Laboratory (UG)	96.03
34.	231	Laboratory (UG)	60
35.	301	Classroom (UG)	71
36.	302	Classroom (UG)	71
37.	303	Classroom (UG)	120
38.	304	Laboratory (UG)	132
39.	305	Drawing Hall (UG)	132
40.	309	Tutorial Room (UG)	72
41.	310	Tutorial Room (UG)	72
42.	311	Classroom (PG)	39
43.	316	Computer Lab. (UG)	150
44.	318, 320	Guest Room	76
45.	324	Laboratory (PG)	150
46.	326	Laboratory (UG)	148
47.	332	Machine room	21
48.	333	Machine Room	27
49.	335	Laboratory (PG)	42
50.	336	Tutorial Room (PG)	42
51.	337	Classroom (UG)	72
52.	5	Laboratory (UG)	60
53.	6	Laboratory (UG)	60
54.	SENATE	Seminar Hall	278
55.	WS	Additional Workshop (UG)	219
56.	WS-I	Laboratory	68
57.	WS-II	Laboratory	68
58.	WS-III	Laboratory	68
59.	WS-IV	Laboratory	68
60.	WS1	Workshop	218

• **Library**

- Number of Library books/ Titles/ Journals available (program-wise)
At Department Library: 4678 Books and also at central library
- List of online National/ International Journals subscribed: **Central library link**
- E- Library facilities : **Yes, at central library of university**

• **Laboratory and Workshop**

- List of Major Equipment/Facilities in each Laboratory/ Workshop

Sr. No.	Name of the Laboratory	No. of students per setup (Batch size)	Name of the important equipment
1	Oil Analysis Lab (130-131)	20	Shaking Incubator PH Meter Polarimeter Centrifuge Fume Hood Viscometer Water & Oil bath Hot air oven Muffle Furnace Micro oven Weighing Balance
2	Oil Research Lab (128-129)	20	Gas Chromatograph, Quick Freezer Vacuum oven Microwave extraction Unit Refrigerated bath circulator Sonicator Autoclave
3	Oil Processing Lab (127)	20	Decorticator Boiler Bubble cap distillation, Reaction kettle Ultra-cryostat Mechanical expeller Filter press Soap Plodder Ribbon Mixer Shaker
4	Heat Transfer Lab	20	Thermal Conductivity Apparatus Double Pipe Heat Exchanger Stephan-Boltzmann Apparatus Solid State Fermenter Foam Bed Column
5	Fluid Mechanics Lab	20	Reynolds Apparatus Bernoulli's Apparatus Orifice Meter Notches & Weirs Viscometer
6	Mass Transfer Lab	20	Tray Dryer Wetted Wall Column Packed-Bed Absorption Column Crystallizer Bubble Cao Distillation Column
7	Engineering Graphics Lab	20	Drawing Tables – 110 No's

8	CRE & Process Control Lab	20	Cont. Stirred Tank- Reactor Plug Flow Reactor Fluid bed Reactor Carberry Type Reactor Single Tank Level System Interacting & Non-interacting expt. Set-up
9	Computer Lab	20	Turbo C PC – 60 No's
10	Chemistry Lab	20	Flash Chromatography Rotary Evaporator Parallel Synthesizer Weight Balance
11	Engineering Workshop	20	Drilling Machine Grinding Machine Sawing Machine Milling Machine Lathe Machine

▪ **List of Sophisticated Instruments:**

Sr.No.	Name of Instrument
1	Field Emission Scanning Electron Microscope (FESEM)
2	X-ray Diffractometer (XRD)
3	Differential Scanning Calorimetry (DSC)
4	Differential Scanning Calorimetry (DSC)
5	Thermo gravimetric Analyzer (TGA)
6	Thermo gravimetric Analyzer (TGA)
7	Particle Size Analyzer (PSA)
8	Contact Angle Standard Goniometer
9	Colour Matching Spectrophotometer
10	Fourier Transform Infrared Spectrophotometer (FTIR)
11	UV Visible Spectrophotometer (UV)
12	Spectro fluorophotometer (PL)
13	Atomic Emission Spectroscope (AES)
14	Ultra-Microtome
15	Atomic Force Microscope (AFM)
16	Gel Permeation Chromatography (GPC)
17	Double Beam UV Visible Spectrophotometer
18	Scanning Probe Microscopy (SPM) with RAMAN Spectroscope
19	Polarization Microscope
20	High Performance Liquid Chromatography (HPLC)
21	Gas Chromatography (GC)
22	Electron Impedance Spectroscope (EIS)
23	Adhesive Tester
24	Flash Chromatography (FC)
25	Fourier Transform Infrared Spectrophotometer (FTIR)
26	Rheometer

- Computing Facilities
 - Internet Bandwidth -100mbps
 - Number and configuration of System -75
 - Total number of systems connected by LAN - 60
 - Total number of systems connected by WAN – 0
 - Major software packages available – Yes (Language lab software, Simulation software, Turbo C)
 - Special purpose facilities available – Yes

- Innovation Cell : **Yes, Centralised at University**

- Social Media Cell :**Yes**

- Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments: **Yes, Executed by Examination department centrally at university.**
- List of facilities available
 - Games and Sports Facilities :**Yes, centralised and sports club at the school**
 - Extra-Curricular Activities : **Saturday activity, Quiz, Elocution and Cultural week**
 - Soft Skill Development Facilities : **workshops guest lectures ,Training sessions.**
 -
- Teaching Learning Process
 - Curricula and syllabus for each of the Programmes as approved by the University
<https://www.nmu.ac.in/StudentCorner/Academics/Syllabi.aspx>
<http://nmu.ac.in/udct/en-us/academics/syllabi.aspx>
 - Academic Calendar of the University
<https://nmu.ac.in/en-us/studentcorner/academics/academiccalendar.aspx>
 - Academic Time Table with the name of the Faculty members handling the Course
Annexure-I
 - Teaching Load of each Faculty
Director 04, Professor (CAS) 08, Associate professor(12) Assistant professor 16
 - Internal Continuous Evaluation System and place : **through Internal exams, Seminars Case study etc. at School campus**
 - Student’s assessment of Faculty, System in place : **Feedback through Questionnaire.**
- For each Post Graduate Courses give the following:
 - Title of the Course **M.TECH.**
 - Curricula and Syllabi
<https://www.nmu.ac.in/StudentCorner/Academics/Syllabi.aspx>

- Laboratory facilities exclusive to the Post Graduate Course :
Pharma Research, Plastic Research-I, Plastic Research-II, Oil Research, Paint Research, Computer Labs with computers LAN and Wi-Fi facility

• **Special Purpose**

- Software, all design tools in case
- Academic Calendar and framework : **Yes**

16. Enrolment of students in the last 3 years

2018-2019 – B. Tech 120, MTech 13

2019-2020 –B. Tech 122, MTech 31

2020-2021 – B. Tech 115, MTech 10

17. List of Research Projects/ Consultancy Works

Sr. No.	Project Name	Funding Agency	Institute / Faculty Name	Sanction Year	Amount (In Lakh)
1.	DST-UKIERI	DST	Prof.S. Mishra	2015	18.14
2.	DST-SERB	SERB	Dr. R. P. Gore	2016	05.50
3.	FSER- Start-Up Research Grant	SERB	Dr. Vikas Patil	2018	23.98
4.	FRP-Start-up Grant	UGC	Dr. Vikas Patil	2018	08.00
5.	Development of Mucoadhesive Polymer Based Ophthalmic Drug Delivery System	SERB	Prof. J. B. Naik	2019	21.27
6.	UGC-BSR Mid-Career Award Grant	UGC	Prof. J. B. Naik	2020	10.00
7.	“A study on taste masking of some bitter drugs”	UGC	Prof. J. B. Naik	01 May 2015 31 March 2018	15.15
8.	Influence of Operating Parameters on CaSO ₄ Nanoparticle Synthesis Using Micro reactor	TEQIP II	Prof. J. B. Naik	20 Sept 2013 31 st October 2016	04.00
9.	Development and characterization of wood Polymer Hybrid Composite Reinforced with Nano particles	TEQIP II	Prof. S. Mishra	20 Sept 2013 31 st October 2016	04.00
10.	To Study the preparation, petroleum properties, emission and engine performance characteristics of Biodiesel using edible oils	TEQIP II	Dr. A. K. Goswami	20 Sept 2013 31 st October 2016	04.00
11.	Study on morphological behavior and properties of immiscible polymer blends as a consequence of different nanofillers	TEQIP II	Dr. J. S. Narkhede	20 Sept 2013 31 st October 2016	04.00
12.	Development of protein rich pickle from soya nuggets	TEQIP II	Dr. V. R. Parate	20 Sept 2013 31 st October 2016	04.00

13.	Adsorption Kinetics of Cr (VI) from aqueous solution by surfactant - modified bio sorbent.	TEQIP II	Dr. P. D. Meshram	20 Sept 2013 31 st October 2016	04.00
14.	Removal of impurities from wastewater using fly ash, sugarcane baggers as an adsorbent and to study their adsorption characteristic	TEQIP II	Mr. S. A. Raut	20 Sept 2013 31 st October 2016	04.00
15.	Development of Fig fruits low calorie confectionery product	TEQIP II	Dr. M. I. Talib	20 Sept 2013 31 st October 2016	04.00
16.	Development of Novel Multicomponent Reaction for the Synthesis of Biological impotent substituted pyraziles	TEQIP II	Dr. R. P. Gore	20 Sept 2013 31 st October 2016	04.00
17.	Channeling effects studies on the performance packed bed bioreactor	TEQIP II	Dr. G. A. Bathe	20 Sept 2013 31 st October 2016	04.00
18.	To study the effect of salt and resin on the vapor liquid equilibria of various binary azeotropic liquid mixture	TEQIP II	Dr. R. S. Sirsam	20 Sept 2013 31 st October 2016	04.00
19.	Development of surface modified bimetallic catalyst for removal of water pollutants	TEQIP II	Dr. U. D. Patil	20 Sept 2013 31 st October 2016	04.00
20.	Process Design and Reaction Engineering of synthesis of UV Cure Multifunctional Acrylate Monomers	TEQIP II	Prof. R. D. Kulkarni	20 Sept 2013 31 st October 2016	04.00
21.	Experimental investigation of adsorption removal of aqueous phase phenol by surface modified activated carbon-kinetics, modeling, and hydrodynamics study	TEQIP II	Dr. T. D. Deshpande	20 Sept 2013 31 st October 2016	04.00
22.	Formulation and development of chitosan based sustained released drug delivery system	TEQIP II	Mr. Vinod J. Mokale	20 Sept 2013 31 st October 2016	04.00
23.	Preparation and characterization of single pulse sustained released ketorolac nano particles to reduce their side effect at gastro - intestinal tract.	TEQIP II	Dr, Jayesh Patil	20 Sept 2013 31 st October 2016	04.00
24.	Process intensification for nano particle synthesis	TEQIP II	Dr. M. L. Bari	20 Sept 2013 31 st October 2016	04.00

25.	Physicochemical characterization, process engineering of pigment dispersion for utilization in formulation of coatings	TEQIP II	Mr. Nilesh P. Badgajar	20 Sept 2013 31 st October 2016	04.00
26.	Optimize the performance of distillation column by Restructuring the Geometry of Trays	TEQIP II	Dr. V. S. Patil	20 Sept 2013 31 st October 2016	04.00
27.	Synthesis Characterization of Fluorescent Silver/Silver Oxide Nanoparticles	TEQIP II	Dr. V. R. Chaudhari	20 Sept 2013 31 st October 2016	04.00
28.	Epoxy Nanocomposite using organically modified OMMT	TEQIP II	Dr. Navin G. Shimpi	20 Sept 2013 31 st October 2016	04.00
29.	Novel synthesis and Characterization of Hybrid Nano-Rods: Their effect on physical and mechanical properties of polymer	TEQIP II	Dr. Aniruddha Chatterjee	20 Sept 2013 31 st October 2016	04.00
Total					190.04

- Publications (if any) out of research in last three years out of master's projects :
107
- **Industry Linkage :**
 1. Centre for Human excellence Training Institute Jalgaon
 2. Maharashtra Centre for Entrepreneurship development MCED, Jalgaon
 3. KBCNMU Centre for Innovation, Incubation & Linkages (KCIIL)
- **MoUs with Industries (minimum 3)**
<http://nmu.ac.in/udct/en-us/aboutus/mou.aspx>

18. LoA and subsequent EoA till the current Academic Year : Annexure-II

19. Accounted audited statement for the last three years

<http://nmu.ac.in/en-us/administration/faoffice.aspx>

20. Best Practices adopted, if any

Induction Program for fresher's

Earn and Learn scheme

Tree Plantation

Swachataabhivan- clean campus activities

Expert Lectures.

GATE Coaching to Final Year student

Attachment I

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
University Institute of Chemical Technology
TIME TABLE

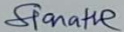
University Institute of Chemical Technology, KBCNMU, Jalgaon
Time Table
First Year B. Tech Chemical Engineering


Semester-I


Academic Year-2021-22
w.e.f-03/01/2022

Time/Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10:00 to 11:00 am	ESC-101	BSC-102	BSC-103	BSC-103	BSC-103	BSC-103 (T)
11:10 am to 12:20 pm	BSC-102	BSL-101	BSL-101	HMC-101	HMC-101 (T)	BSL-101(T)
12:30 to 1:30 pm	BSL-101		BSC-102	BSC-102 (T)		
1:30-2:00 pm						
02:00 to 03:00 pm						
03:00 to 04:00 pm		BSC-102 (Practical)		HMC-101 (Practical)	ESC-101 (Practical)	BSC-103 (Practical)
04:00 to 05:00 pm						

ESC-101 : Engineering Graphics (Mr. Vishwaraj Tayade)
ESC-101 : Engineering Graphics (Practical) - Mr. Vishwaraj Tayade
BSC-102 : Physics (Dr. S. R. Shinde) BSC-102 (Practical) -Dr. S. R. Shinde
BSC-103 : Chemistry-I (Dr. Sunil Marathe)
BSC-103 : Chemistry-I Practical (Dr. Sunil Marathe)
BSL-101 : Mathematics-I (Ms. Lalita P. Nerkar)
HMC-101 : Communication Skills (Ms. Pradnya Surwade)
HMC-101 : Communication Skills (Practical) - Ms. Pradnya Surwade


Dr. Sunil Marathe
Committee member


Dr. R. P. Gore
Head (Applied Science)


Dr. G. A. Bathe
Head (General Engineering)




Director, UICT

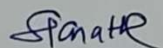
University Institute of Chemical Technology, KBCNMU, Jalgaon
Time Table
First Year B. Tech. Chemical Technology (Food/Oil/Paint/Plastic Technology)

Semester-I

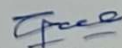
Academic Year-2021-22
w.e.f-03/01/2022

Time/Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10:00 to 11:00 am	BSL-104	BSL-105	BSL-104	ESL-102	BSL-105 (T)	ESL-102 (T)
11:10 am to 12:20 pm	BSL-105	ESC-103	BSL-105	BSL-104	BSL-104 (T)	ESC-103
12:30 to 1:30 pm	ESL-102	ESL-104	ESL-102	ESC-103	ESL-104	BSL-105
1:30-2:00 pm						
02:00 to 03:00 pm	ESL-104	ESC-103 (Practical)				
03:00 to 04:00 pm						
04:00 to 05:00 pm						

BSL-104 (Mathematics-I)- Ms. Lalita P Nerkar
BSL-105 (Thermodynamics-I)- Dr. Vikas Patil
ESL-102 (Electrical & Electronic Engineering)- Dr. Vikas Patil
ESC-103 (Computer Lab)- Mr. Vinit Kakade
ESL-104 (Material Science & Technology) Dr. S. R. Shinde
ESC-103 (Computer Lab:) Practical-Mr. Vinit Kakade



Dr. Sunil Marathe
Committee member

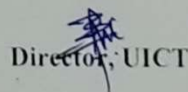


Dr. R. P. Gore
Head (Applied Science)



Dr. G. A. Bathe
Head (General Engineering)




Director, UICT

University Institute of Chemical Technology, KBCNMU
Revised Time Table for Online Classes
Second Year B. Tech (Chemical Technology): Odd Sem

Revised 21/09/2021
w.e.f. 20/09/2021

Time	Mon	Tue	Wed	Thurs	Fri	Sat
9-10						
10-11	HML-202	CHC-203	HML-202	CHC-203	CHC-203	HML-202
11-12	CHL-206	CHC-204	CHC-204	--	PTC-201 FTC-201 OTC-201	--
12-1	CHC-204	CHL-206	PTC-201 PLC-201 FTC-201 OTC-201	PTC-201 PLC-201 FTC-201 OTC-201	# HML-202 (Tutorial)	# CHC-203 (Tutorial)
1-2	LUNCH BREAK					
2-3			# CHL-206 (Tutorial)	# CHC-204 (Tutorial)	CHL-206	PLC-201
3-4	*CHC-203 (PR-PL)	*PTC-201 PLC-201 FTC-201 OTC-201 (PR)				--
4-5			*CHC-203 (PR-PT)	*CHC-203 (PR-OT)	*CHC-203 (PR-FI)	
5-6						

Title of Course	Teacher
Common Courses:	
CHC 203 Heat Transfer (TH)	Dr. G. A. Sathe
CHC 203 Heat Transfer (PR)	Dr. G. A. Sathe
CHC 204 Fluid Mechanics (TH)	Deepali Bhole
CHL 206 Material and Energy Balance Computations (TH)	Dr. U. D. Patil
HML 202 Industrial Management and Economics	Ms. Pradnya Suresh
Paint Technology:	
PTC 201 Introduction to Coating Technology (TH) 3	Harshala N. Kapadane
PTC 201 Introduction to Coating Technology (PR) 3	Harshala N. Kapadane
Plastic Technology:	
PLC 201 Introduction to Polymer Tech (Th) 3	Komal S.Patil, Harshala N. Kapadane
PLC 201 Introduction to Polymer Tech (PR) 3	Komal S.Patil
Oil Technology	
OTC 201 Chemistry & Tech. of Lipids (TH)	Hansara V. Patil
OTC 201 Chemistry & Tech. of Lipids (Pr)	Dr. P. D. Meshram, Dr. Hansara V. Patil
Food Technology	
FTC 201 Food Chemistry (Th)	NFM
FTC 201 Food Chemistry Lab (Pr)	NFM

University Institute of Chemical Technology, KBCNMU
Revised Time Table for Online Classes
Third Year B. Tech (Chemical Technology): Odd Sem

Revised 21/09/2021
w.e.f. 20/09/2021

Time	Mon	Tue	Wed	Thurs	Fri	Sat
9-10						
10-11	CHL-312	CHL-312	CHL-312	CHL-314	CHL-314	PTC-302 PLC-302 FTC-302 OTC-302
11-12	PTC-301 PLC-301 FTC-301 OTC-301	PTC-301 PLC-301 FTC-301 OTC-301	--	PTC-301 PLC-301 FTC-301 OTC-301	--	Elective-I
12-1	Elective-I	Elective-I	CHL-314	--	--	--
1-2	LUNCH BREAK					
2-3			PTC-302 PLC-302 FTC-302 OTC-302		PTC-302 PLC-302 FTC-302 OTC-302	*CHP-315 (PR-FI)
3-4	*PTC-301 PLC-301 FTC-301 OTC-301 (PR)	*PTC-302 PLC-302 FTC-302 OTC-302 (PR)	*CHP-315 (PR-PL)	*CHP-315 (PR-PT)	*CHP-315 (PR-OT)	
4-5						
5-6						

Title of Course	Teacher
Common Subjects	
Mass Transfer Operations (Th) (CHL-314)	Mahendra L. Bari
Mass & Momentum Transfer Operations (Pr) (CHP-315)	Dr. Nilesh Patil
Process Design and Project Management (Th) (CHL-312)	Dr. Nilesh Patil
Paint Technology	
Architectural Coatings (Th) (PTC-301)	Dr. K. G. Puri, Utkarsha U. Gwalayanshi
Architectural Coatings (Pr) (PTC-301)	Utkarsha U. Gwalayanshi
Chemistry & Technology of Polymers (Th) (PTC-302)	Utkarsha U. Gwalayanshi
Chemistry & Technology of Polymers (Pr) (PTC-302)	Utkarsha U. Gwalayanshi
Plastics Technology	
Plastics Materials and Applications-I (Th) (PLC-301)	Komal S. Patil
Plastics Materials and Applications-I (Pr) (PLC-301)	Komal S. Patil
Processing of Plastics-I (Th) (PLC-302)	Dr. J. S. Narkhede, Komal S. Patil
Processing of Plastics-I (Pr) (PLC-302)	Dr. J. S. Narkhede
Oils Technology	
Refining of Oils and Fats (Th) (OTC-301)	Dr. Ravan D. Meshram
Refining of Oils and Fats (Pr) (OTC-301)	Dr. P. D. Meshram, Dr. Hansara V. Patil
Quality Control Techniques in Oils and Fats (Th) (OTC-302)	Prof. GAU
Quality Control Techniques in Oils and Fats (Pr) (OTC-302)	Prof. GAU
Food Technology	
Principles of Food Preservation (Th) (FTC-301)	Dr. N. R. Parate
Principles of Food Preservation (Pr) (FTC-301)	Dr. N. R. Parate
Microbiology & Molecular Biology (Th) (FTC-302)	NFM
Microbiology & Molecular Biology (Pr) (FTC-302)	Dr. M. Talib
Elective - I	
Specialty Pigments & Additives in Coatings (FTL-305)	Dr. Ravan G. Puri, Harshala N. Kapadane
Polymer Rheology (FTL-304)	Dr. J. S. Narkhede
Advanced Technology in Food Packaging (FTL-305)	Dr. M. Talib
Technology of Perfumery & Cosmetics (OTL-305)	Prof. GAU, Dr. Hansara V. Patil

: Practical Courses

University Institute of Chemical Technology
Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
Revised Third Year Chemical Engineering Time-Table for online classes: Odd Sem.
wef : 20/09/2021

Time	Mon	Tue	Wed	Thus	Fri	Sat
10.00-11.00	CHC-309	CHC-307	CHC-309 (Tutorial)	HML-309	CHC-310	CHC-307 Particle & Fluid Particle Processing (Pr.) Time: 10.00 to 01.00
11.10-12.10	CHC-307	HML-309	CHC-307	CHC-310	HML-309	
12.20-01.20	CHC-308	CHC-308	CHC-308 (Tutorial)	CHC-309	CHC-308	
01.20-02.00	Break					
02.00-03.00	CHC-309			↑	CHC-310 Numerical Methods in Chemical Engineering (Pr.) Time:02.00- 04.00	↑
03.00-04.00				CHC-309: Chemical Reaction Engineering - I (Pr.) Time: 02.00-05.00		CHC-308 Mass Transfer - I (Pr.) Time: 02.00- 05.00
04.00-05.00				↓	NC-303	↓

CHC-307 : Particle & Fluid Particle Processing (Dr.M.L.Bari)

CHC-307 : Particle & Fluid Particle Processing (Pr.) (Dr.M.L.Bari)

CHC-308 : Mass Transfer - I (Dr.R.S.Sirsam)

CHC-308 : Mass Transfer - I (Pr.)(Dr.R.S.Sirsam)

CHC-309: Chemical Reaction Engineering - I (Dr.T.D.Deshpande)

CHC-309: Chemical Reaction Engineering - I (Pr.) (Dr.T.D.Deshpande)

HML-309: Psycho-Social Dimensions of Industrial Management (Ms.Pradhnya Surwade)

CHC-310 : Numerical Methods in Chemical Engineering (Dr.N.P.Patil)

CHC-310 : Numerical Methods in Chemical Engineering (Pr.) (Dr.N.P.Patil)

Elective-I (Refer time-table of PT/OT/PL/FT)

NC - 303 Essence of Indian Traditional Knowledge (Dr. R.G. Puri & Dr.Rajkumar Sirsam)

University Institute of Chemical Technology
Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
Revised Final Year Chemical Engineering Time-Table for online classes: Odd Sem.
wef : 20/09/2021

Time	Mon	Tue	Wed	Thus	Fri	Sat
10.00-11.00	CHC-414	CHC-414	CHL-415	CHL-415	CHL-424	CHC-414
11.10-12.10	CHL-415	CHL-424	CHC-414	CHC-414	CHC-416	(PRACTICAL) Time: 10.00- 01.00
12.20-01.20	CHL-424	CHC-416	CHC-416	CHC-417		
01.20-02.00	BREAK					
02.00-03.00					CHC-417	CHC-416
03.00-04.00					(PRACTICAL) Time: 02.00- 04.00	(PRACTICAL) Time: 02.00- 05.00
04.00-05.00						

CHC-414 : Modelling Simulation and CAD (Dr. U.D.Patil)

CHC-414(Pr.) : Modelling Simulation and CAD (Dr. U.D.Patil)

CHL-415 : Instrumentation & Instrumental Analysis (Deepali Bhole)

CHL-424: Newer Separation Techniques (Prof. (Dr.) J.B.Naik/ Dr.N.P.Patil)

CHL-416 : Process Dynamics & Control (Dr.A.K.Goswami)

CHL-416 (Pr.) : Process Dynamics & Control (Dr.A.K.Goswami)

CHC-417 : Process Equipment Design & Drawing (S.A.Raut/D.K.Bhole)
