VU **VISHWAKARMA**
U N I V E R S I T Y
Maximising Human Potential

University Grants Commission (UGC) Approved State Private University
Listed with Association of Indian Universities (AIU)

ANNUAL
REPORT
2021-22

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Annual Report 2021 - 22

POSTAL ADDRESS:
Survey No. 2, 3, 4 Laxmi Nagar,
Kondhwa (Bk.) Pune - 411048. Maharashtra, India
www.vupune.ac.in

This Annual Report was compiled and Produced by Prof Dr. Chetan Kapadnis, Prof. Ankita Sangle, Prof. Amol Randive with technical support from The VU-publicity team. The report was edited by Prof. Ankita Sangle and designed by Prof. Avadhut Atre and Mr. Prakash Patil (Investronaut)

Annual Report Committee

Prof. Dr. Siddharth Jabade	Patron
Prof. Ankita Sangle	Editor
Prof. Dr. Kedar Sant	Member
Prof. Dr. Yuvraj Lahoti	Member
Prof. Dr. Avadhut Atre	Member
Prof Dr. Chetan Kapadnis	Member
Prof. Nalini Naik-Nimbalkar	Member
Prof. Amol Randive	Member
Prof. Sandip Kulkarni	Member
Prof. Dr. Sukhdeo Ingale	Member
Mr. Ajay Shigwan	Member
Mr. Sandip Bhartakke	Member

Maximising Human Potential

TABLE OF CONTENTS

TABLE OF CONTENTS

MESSAGE FROM PRESIDENT

Mr. Bharat Agarwal
President

In a constantly changing world, the benefits of education are amongst the only few constants. Education is envisioned as a transformative journey - a journey of inquiry, learning, and maximizing the human potential that is bound to have positive implications for the world's most pressing problems. True education leaves its imprints on the students' souls long after they complete their formal education. In a shrinking global world, the pursuit of academic excellence needs to be blended with cosmopolitan and global values while keeping the moral, spiritual, and ethical essence and ethos of the Indian education system alive.

Message from Vice-President

Prof. (Dr.) Wasudev Gade
Vice-President

Quality education is not a matter of chance. Rather it is carefully planned and consciously cultivated. It can turn into a reality when a University establishes The Centers of Excellence and envisions them as a space to promote quality conversations and interactions between communities of scholars, thinkers, and leaders. In its truest sense, education is an ecosystem that helps students follow their natural curiosity and unravel their own unique career paths. Education should give wings to their ideas and embolden them to start independent successful ventures. This incubation can only happen if students are exposed to programs that are research- intensive, and underpinned by cutting edge innovation as well as social relevance.

Message from Vice-Chancellor

Prof. (Dr.) Siddharth Jabade
Vice-Chancellor

India is at a juncture where a large population is making inroads into higher education every year. Since public institutions are few, private institutions have stepped in to serve the need. These institutions have to rise to the challenge of bridging the gap between academia and industry. To do so, it is essential we create a vibrant and enriching teaching-learning culture that inspires innovation and entrepreneurship. Traditional pedagogies need to be reassessed to facilitate a more interactive and trans-disciplinary learning experience.

Vision, Mission and Value statement

Vision

Emerge as a Premier University Recognized Internationally for Excellence in Education, Research and Innovation.

Mission

- ☑ To impart contemporary transformative education through research and innovation.
- ☑ To develop competent leaders-professionals for life and livelihood.
- ☑ To co-create human and socio-economic capital par excellence.
- ☑ To inculcate life skills and holistic culture appreciating morals and ethics.

Value statement

We Value ... We Believe in ...

Adaptability | Compassion
Diversity | Excellence
Innovation | Responsibility
Sustainability | Transparency

VISHWAKARMA GROUP OF INSTITUTIONS

Vishwakarma Institutes (VI) embody the vision of the Vishwakarma Group to create social wealth through the creation of quality human capital and a sharp focus on value creation for all its stakeholders through its academic endeavors.

The Vishwakarma Institutes caters to diverse economic strata and the diversity continues in the programmes being offered. The mission of influencing practice and promoting value-based growth is derived by imparting high-quality services at the educational institutions through continuous innovation and pioneering programmes. It is, therefore, a partner of choice for international institutions as well as corporations.

The first educational venture, Vishwakarma Institute of Technology (VIT) was established in 1983. Vishwakarma Vidyalaya came up in 1986, followed by a series of educational institutes in the subsequent years. Presently, Vishwakarma Group has 17 educational institutes comprising engineering, management, science, schools, and value- added programmes with 17,000 student enrolments and more than 2000 full-time employees.

Vishwakarma Institute of Technology (VIT), Pune

Vishwakarma Institute of Information Technology (VIIT), Pune

Wisdom World School (WWS) Hadapsar & Wakad, Pune

Vishwakarma Vidyalaya (VV), Pune

Vishwakarma College of Arts, Commerce & Science (VCACS), Pune

Vishwakarma Empros International School (VEIS) - Chinchwad and Talegaon, Pune

Vishwakarma Commerce & Science College (VCSC), Kolhapur

04

Way forward..

03

Recognitions
and Compliances

02

Awards and Ranking
U Multi- Ranking,
Assocham Award

01

Establishment

05 | VU AWARDS AND RECOGNITION

ASSOCHAM

Emerging University of the Year in Western India by ASSOCHAM Vishwakarma University, Pune has been awarded the Emerging University of the Year in Western India at the ASSOCHAM's 13th Higher Education, Skill and Livelihood Conclave 2020 held at the India Habitat Centre, New Delhi on 25th February 2020. Dr. Siddharth Jabade, Vice-Chancellor received the award at the hands of Hon. Dr. Niranjan Hiranandani, President - ASSOCHAM. The conclave, attended by more than 300 Chancellors, Vice-Chancellors, Principals, Deans, Directors, and Promoters of leading Government and Private Universities, Institutions, Colleges, Edutech start-ups, and Consultants across the country, was held to promote world-class quality education, innovation, and research.

THE RANKING

Vishwakarma University, Pune Ranked among top 200 globally in Times Higher Education (THE)

Impact Rankings for SDG 7 "Affordable and Clean Energy" Pune Vishwakarma University (VU), Pune is ranked among the top 200 world universities in the prestigious Times Higher Education (THE) Impact Rankings 2021 for its work related to energy and commitment to promoting energy efficiency, in line with the United Nations Sustainable Development Goal: SDG7 - Affordable and Clean Energy. These rankings are the only global performance tables that assess universities against the United Nations' Sustainable

Development Goals (SDGs). The 2021 Impact Rankings is the third edition and the overall ranking includes 1,200 universities from 98 countries.

VU has been successful in qualifying under the criterion of being ranked for the overall rankings in THE Impact Rankings 2021. VU has been ranked amongst top 300 in the SDG 6 "Access to Clean Water and Sanitation". A total of 49 Indian institutions are featured in THE Impact Rankings 2021, and V, is one of the youngest universities

to participate in the world rankings.

ELETS BEST DESIGN INSTITUTE AWARD

Vishwakarma University is the winner of Excellence in Design Education at the Lets 18th World Education Summit & Awards 2021. Our brilliant and hardworking team members have relentlessly

strived to achieve excellence in "Design Education" The synergism of the Faculty of Art & Design has truly borne fruits by promoting the unique concept of "Industry on Campus" and holistic "Industry Connect". Vishwakarma University always encourages an academic culture that nurtures young Talent and values a collaborative approach in all its ventures. Vishwakarma family always focuses on its dreams and spares no effort to meet the high expectations of all its stakeholders.

We have established a rich tradition of excellence across a wide range of academic disciplines by presenting a multidisciplinary approach to education. Our teaching is designed to give students exposure in solving real-life industry problems

WURI RANKING

Vishwakarma University, Pune Ranked among top 100 globally in World Universities with Real Impact Ranking.

O6 | ORGANIZATIONAL STRUCTURE
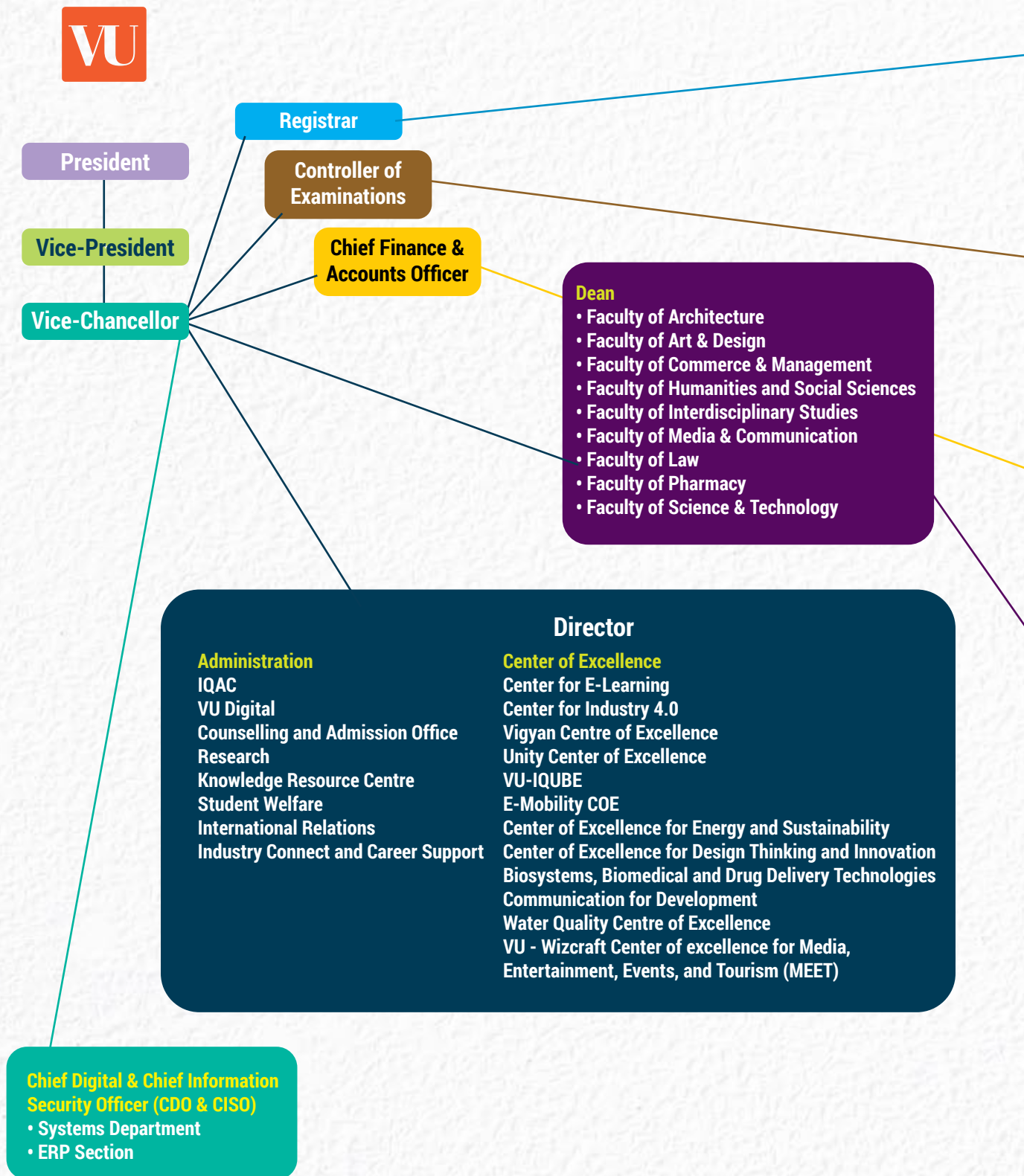
VU – Governing Body

Sr. No.	Name	Designation	Role
1	Mr. Bharat Rajkumar Agarwal	President	Chairperson
2	Prof (Dr.) B.V.R. Chowdari	Trust Nominee (Educationist)	Member
3	Prof (Dr) Bharatkumar Bhagatraj Ahuja	Trust Nominee (Educationist)	Member
4	Prof. (Dr.) Krishnaswami Srihari	Trust Nominee (Educationist)	Member
5	Prof. (Dr.) Prabuddha Ganguli	Trust Nominee (Expert Management)	Member
6	Prof. (Dr.) Wasudeo N. Gade	Trust Nominee	Member
7	Dr. Bipin Subodh Sule	Trust Nominee	Member
8	Mr. Pranav Rungta	State Govt Nominee	Member
9	Mr. Shardul Bayas	State Govt Nominee	Member
10	Mrs. Trupti Bharat Agarwal	Industry Representative	Member
11	Adv Pratap Vasantsingh Pardeshi	Industry Representative	Member
12	Mr. Bajrangdas B. Lohiya	Invitee	Invitee
13	Prof (Dr) Kedar Damodar Sant	Registrar (Permanent Invitee)	Invitee
14	Mr. Neeraj Athalye	Invitee	Invitee
15	Mr. Guru Prasad Makam	Invitee	Invitee
16	Prof. (Dr.) Siddharth Kantilal Jabade	Vice-Chancellor	Member Secretary

Board of Management

Sr. No.	Name	Designation	Role
1	Prof (Dr) Siddharth Jabade	Vice-Chancellor	Chairman
2	Mrs Trupti Agarwal	Member of GB	Member
3	Dr Bipin Sule	Member of GB	Member
4	Prof (Dr) Yogesh Deshpande	Dean	Member
5	Prof (Dr) Avadhut Atre	Dean	Member
6	Adv Ritesh Mehta	Member nominated by Trust	Member
7	Prof (Dr) Umesh Patwardhan	Teacher Nominee	Member
8	Prof (Mrs) Reena Pandey	Teacher Nominee	Member
9	Prof (Dr) Chetan Kapadnis	Teacher Nominee	Member
10	Prof (Dr) Kedar Sant	Registrar	Member Secretary

6.1 ORGANOGRAM

VU

President

Vice-President

Vice-Chancellor

Registrar

Controller of Examinations

Chief Finance & Accounts Officer

Dean
- Faculty of Architecture
- Faculty of Art & Design
- Faculty of Commerce & Management
- Faculty of Humanities and Social Sciences
- Faculty of Interdisciplinary Studies
- Faculty of Media & Communication
- Faculty of Law
- Faculty of Pharmacy
- Faculty of Science & Technology

Director

Administration
IQAC
VU Digital
Counselling and Admission Office
Research
Knowledge Resource Centre
Student Welfare
International Relations
Industry Connect and Career Support

Center of Excellence
Center for E-Learning
Center for Industry 4.0
Vigyan Centre of Excellence
Unity Center of Excellence
VU-IQUBE
E-Mobility COE
Center of Excellence for Energy and Sustainability
Center of Excellence for Design Thinking and Innovation
Biosystems, Biomedical and Drug Delivery Technologies
Communication for Development
Water Quality Centre of Excellence
VU - Wizcraft Center of excellence for Media, Entertainment, Events, and Tourism (MEET)

Chief Digital & Chief Information Security Officer (CDO & CISO)
- Systems Department
- ERP Section

Deputy Registrar
- Administration
- Establishment
- Public Relation Office
- Records & Meetings
- Campus Management
- Student Facilitation Centre

- Assistant Registrar
- Section Officer
- Assistant Section Officer
- Senior Assistant (Clerk)
- Junior Assistant (Clerk)

- Deputy Registrar
- Assistant Registrar
- Section Officer
- Assistant Section Officer
- Senior Assistant (Clerk)
- Junior Assistant (Clerk)

- Deputy Registrar
- Assistant Registrar
- Section Officer
- Assistant Section Officer
- Senior Assistant (Clerk)
- Junior Assistant (Clerk)

Head of Department
- Department of Architecture
- Department of Fashion
- Department of Animation
- Department of Interior Spaces
- Department of Design
- Department of Administration
- Department of Management
- Department of Commerce
- Department of Psychology
- Department of Economic Science
- Department of Music
- Department of Travel and Tourism
- Department of Public Health
- Department of Event Management
- Department of Professional Studies
- Department of Journalism & Mass Communication
- Department of Visual Arts
- Department of Law
- Department of Pharmacy
- Department of Mechanical Engineering
- Department of Computer Engineering
- Department of Statistics & Mathematics
- Department of Computer Science
- Department of Waste water Sanitation& Hygiene
- Department of Yoga & Naturopathy

Director of School
- School of Architecture & Planning
- School of Art
- School of Design
- School of Management Sciences
- School of Commerce
- School of Social Sciences
- School of Economic Sciences
- School of Performing Arts
- School of Hospitality & Tourism
- School of Public Health
- School of Event Management
- School of Integrated Education
- School of Journalism & Mass Communication
- School of Communication Studies
- School of Law & Governance
- School of Pharmacy
- School of Engineering & Technology
- School of Basic & Quantitative Sciences
- School of Applied Sciences
- School of Physiological Sciences

Faculty Member

Officers of the University

Sr. No.	Name of Officer	Designation
1	Mr. Bharat Agarwal	President
2	Prof. (Dr.) Wasudeo Gade	Vice – President
3	Prof. (Dr.) Siddharth Jabade	Vice – Chancellor
4	Prof. (Dr.) Kedar Sant	Registrar
5	Prof. (Dr.) Yuvraj Lahoti	Controller of Examinations
6	Mr. Anand Vaidya	Chief Finance & Accounts Officer
7	Prof. (Dr.) Jayashree Nitin Vispute	Dean - Faculty of Commerce & Management
8	Prof. (Dr.) Avadhut Atre	Dean - Faculty of Art & Design
9	Prof. (Dr.) Chetan Kapadnis	Dean - Faculty of Humanities and Social Sciences
10	Prof. (Dr.) Chetan Kapadnis	Dean - Faculty of Journalism, Media & Communication
11	Prof. (Dr.) Chetan Kapadnis	Dean - Faculty of Interdisciplinary Studies
12	Prof. Nalini Naik Nimbalkar	Dean - Faculty of Architecture
13	Prof. (Dr.) Nitin Satpute	Dean - Faculty of Science & Technology
14	Prof. (Dr.) Sarika Sagar	Programme Head – Faculty of Law
15	Prof. (Dr.) Makarand Puri	Programme Head – Faculty of Pharmacy
16	Prof. (Dr.) Chetan Kapadnis	Director – IQAC
17	Prof. (Dr.) Yogesh Deshpande	Director – VU Digital
18	Prof. (Dr.) Umesh Patwardhan	Director - Counselling and Admissions Office
19	Prof. (Dr.) Kailas Patil	Chief Information Security Officer, Director of Int. Relations, Chief Digital Officer
20	Prof. (Dr.) Prasad Gokhale	Director – Research
21	Prof. (Dr.) (Mrs.) Sheetal Naik	Director – Knowledge Resource Centre
22	Prof. Reena Pandey	Director – Student Welfare
23	Prof. Amol Randive	Head - Industry Connect and Career Support

Deans of the University

Sr. No.	Name of Deans	Post	Faculty
1	Ar. Nalini Nandraj Naik Nimbalkar	Dean	Faculty of Architecture
2	Prof. (Dr.) Avadhut Murari Atre	Dean	Faculty of Art & Design (A&D)
3	Prof. (Dr.) Jayashree Nitin Vispute	Dean	Faculty of Commerce & Management (C&M)
4	Prof. (Dr.) Chetan Vasantrao Kapadnis	Dean	Faculty of Humanities and Social Sciences (HSS)
5	Prof. (Dr.) Chetan Vasantrao Kapadnis	Dean	Faculty of Interdisciplinary Studies
6	Prof. (Dr.) Chetan Vasantrao Kapadnis	Dean	Faculty of Journalism, Media & Communication (JMC)
7	Prof. (Dr.) Nitin Vijay Satpute	Dean	Faculty of Science & Technology (S&T)
8	Prof. (Dr.)Sarika Janardhan Sagar	Programme Head	Faculty of Law
9	Prof. (Dr.)Makarand Vishnu Puri	Programme Head	Faculty of Pharmacy

HOD's of the University

Sr. No.	Name of the Faculty Members	Name of the Faculty	Name of the Department
1	Prof. Prashant S. Acharya	Faculty of Art & Design	Department of Graphic Design
2	Prof. Rahul Suresh Honrao	Faculty of Art & Design	Department of Interior Spaces
3	Prof. Reena Sanjay Pandey	Faculty of Art & Design	Department of Fashion
4	Prof. (Dr.) Mukta Shirke	Faculty of Art & Design	Department of Design Fundamental
5	Prof. (Dr.) Mukta Shirke	Faculty of Art & Design	Department of Product Design
6	Prof. (Dr.) Mukta Shirke	Faculty of Art & Design	Department of Animation
7	Prof. (Dr.)Archana Singh	Faculty of Commerce & Management	Department of Management
8	Prof. (Dr.)Omvir Gautam	Faculty of Commerce & Management	Department of Business Administration
9	Prof. (Dr.)Pashmina Piyush Doshi	Faculty of Commerce & Management	Department of Business Administration
10	Prof. Ankita Pandurang Sangle	Faculty of Humanities & Social Sciences	Department of Economics
11	Prof. (Dr.) Bhupender Singh	Faculty of Humanities & Social Sciences	Department of Psychology
12	Prof. (Dr.) Ruchira Kedar Bartake	Faculty of Humanities & Social Sciences	Department of Music
13	Prof. Aarti Ajay Suryawanshi	Faculty of Interdisciplinary Studies	Department of Event Management
14	Prof. (Dr.) Rajendra Vishnu Awate	Faculty of Interdisciplinary Studies	Department of Public Health
15	Prof. Vaibhav M. Thakare	Faculty of Media & Communication	Department of JMC
16	Prof. Vaibhav M. Thakare	Faculty of Media & Communication	Department of Visual Arts
17	Prof. Sarika Sagar	Faculty of Law	Department of Law
18	Prof. Makarand Vishnu Puri	Faculty of Pharmacy	Department of Pharmaceutical Chemistry
19	Prof. Sonali G. Manwatkar	Faculty of Pharmacy	Department of Pharmacology
20	Prof. Maya Mahesh Kurulekar	Faculty of Science & Technology	Department of Engineering Science
21	Prof. Sandip Shrinivas Kulkarni	Faculty of Science & Technology	Department of Mechanical Engineering
22	Prof. (Dr.) Nazia Wahid	Faculty of Science & Technology	Department of Statistics
23	Prof. (Dr.) Jagadish V. Tawade	Faculty of Science & Technology	Department of Mathematics
24	Prof. Pooja Kulkarni	Faculty of Science & Technology	Department of Computer Science
25	Prof. (Dr.) Shraddha Khamparia	Faculty of Science & Technology	Department of Water Sanitation & Hygiene
26	Prof. (Dr.) Sanjesh Sadanand Pawale	Faculty of Science & Technology	Department of Computer Engineering

6.2 COMMITTEES

Internal Complaint Committee

Sr. No.	Name	Designation	Role
1	Prof. (Dr.) Jayashree Vispute	Faculty Member	Chairperson
2	Prof. (Dr). Yuvraj Lahoti	Faculty Member	Member
3	Prof. Vaishali Wagh	Faculty Member	Member
4	Prof. (Dr.) Radhakrishna Batule	Faculty Member	Member
5	Prof. (Dr.) Sheetal Naik	Faculty Member	Member
6	Prof. (Dr.) Vijaya Hake	Faculty Member	Member
7	Mr. Ajay Shigwan	Staff Member	Member
8	Mr. Mihir Thakkar	Student	Student
9	Mr. Karan Jagtiani	Student	Student
10	Ms. Madhura Puranik	Student	Student

Grievance Redressal Committee

Sr. No.	Name	Designation	Role
1	Prof. (Dr.) Siddharth Jabade	Vice-Chancellor	Chairman
2	Prof. (Dr.) Sunil Doke	Dean (IDS)	Member Nominated by BoM
3	Prof. (Dr) Avadhut Atre	BoM Member	Member Nominated by BoM
4	Prof. (Dr) Chetan Kapadnis	BoM Member	Member Nominated by BoM
5	Prof. (Dr.) Makarand Puri	Faculty Member	Member Nominated by VC
6	Ar. Nalini Nandraj Naik Nimbalkar	Faculty Member	Member Nominated by VC
7	Prof. Reena Pandey	Faculty Member	Member Nominated by Academic Council
8	Prof. (Dr.) Kedar Sant	Registrar	Member Secretary

Anti-ragging Committee

Sr. No.	Name	Designation	Role
1	Prof. (Dr.) Radhakrishna Batule	Faculty Member	Director Board of student welfare
2	Prof. Kailas Bhosale	Faculty Member	Reservation Member
3	Prof. Reena Pandey	Faculty Member	Female Member
4	Prof. (Dr.) Umesh Patwardhan	Faculty Member	Member
5	Prof. (Dr.) Sheetal Naik	Faculty Member	Female Member
6	Mr. Ajay Shigwan	Non-teaching Staff	Member Secretary

Reservation Cell Committee

Sr. No.	Name	Designation	Role
1	Prof. Kailas Bhosale	Faculty Member	Chairman
2	Prof. Radhakrishna Batule	Faculty Member	Member
3	Prof. Vijaya Hake	Faculty Member	Member
4	Prof. (Dr.) Chetan Kapadnis	Faculty Member	Member
5	Mr. Manoj Giri	Nonteaching Staff	Member Secretary

Reservation Grievance Redressal Committee

Sr. No.	Name	Designation	Role
1	Prof. Kailas Bhosale	Faculty Member	Chairman
2	Prof. (Dr.) Radhakrishna Batule	Faculty Member	Member
3	Prof. Vijaya Hake	Faculty Member	Member

Student Disciplinary Committee

Sr. No.	Name	Designation	Role
1	Prof. (Dr.) Umesh Patwardhan	Faculty Member	Chairman
2	Prof. (Dr.) Avadhut Atre	Faculty Member	Member
3	Prof. (Dr.) Nitin Satpute	Faculty Member	Member
4	Prof. (Dr.) Nazia Wahid	Faculty Member	Member
5	Prof. Kailas Bhosale	Faculty Member	Member
6	Prof. Reena Pandy	Faculty Member	Member
7	Prof. (Dr.) Sarika Sager	Faculty Member	Member
8	Prof. (Dr.) Radhakrishna Batule	Faculty Member	Member Secretary

IQAC – Core Committee

Sr. No.	Name	Designation	Role
1.	Prof. (Dr.) Siddharth Jabade	Vice Chancellor	Chairperson
2.	Prof. (Dr.) Wasudeo Gade	Vice President	Member from Management
3.	Prof. (Dr.) Chetan Kapadnis	Dean, Humanities & Social Sciences,	Director
4.	Prof. (Dr.) Kedar Sant	Registrar	Member
5.	Prof. (Dr.) Yuvraj Lahoti	Controller of Examinations	Member
6.	Dr. Prasad Gokhale	Director, Research	Member
7.	Prof. Amol Randive	Head, Industry Connect and Career Support	Member
8.	Prof. Reena Pandey	Director, Student Welfare	Member
9.	Prof. (Dr.) Umesh Patwardhan	Dean, Commerce & Management	Member
10.	Prof. Nalini Naik Nimbalkar	Dean, Faculty of Architecture	Member
11.	Prof. (Dr.) Avadhut Atre	Dean, Faculty of Art and Design	Member
12.	Prof. (Dr.) Nitin Satpute	Dean, Faculty of Science and Technology	Member
13.	Prof. (Dr.) Sarika Sagar	Programme Head, Faculty of Law	Member
14.	Prof. (Dr.) Makarand Puri	Programme Head, Faculty of Pharmacy	Member
15.	Prof. (Dr.) Kailas Patil	Chief Digital Officer	Member
16.	Prof. (Dr.) Yogesh Deshpande	Director, Center for E-Learning	Member
17.	Prof. (Dr.) Sheetal Naik	Director, Knowledge Resource Center	Member
18.	Ms. Rani Adgulwar	Asst. Charity Commissioner	Member (Local Society)
19.	Mr. Vasudev P. Bendre	B. Pharm Second Year (AY 2020-2021)	Member (Students)
20.	Ms. Meghna Dighe	LL.M. (2019-20 Batch)	Member (Alumni)
21.	Mr. Harshad Bhagwat	Founder, WordsMaya	Member (Employer)
22.	Mr. Hemant Watve	M.D. and CEO, Wilo Mather and Platt	Member (Industrialist)
23.	Mr. Neeraj Athalye	Managing Director-India, SUSE	Member (Industrialist)
24.	Mr. Shailesh Joshi	Senior Executive, Colgate - Palmolive (India) Limited	Member (Parents)

IQAC – Section Heads

Sr. No.	Name of the Faculty Member	Faculty/ Department	Role
1.	Prof. (Dr.) Chetan Kapadnis	Dean, Humanities and Social Sciences Dean, Journalism, Media & Communication	Director
2.	Prof. (Dr.) Sukdeo Ingale	Faculty of Law	Curriculum Aspects
3.	Prof. (Dr.) Padmaja Kathikar	Faculty of Law	Curriculum Aspects
4.	Prof. (Dr.) Poonam Inamdar	Faculty of Pharmacy	Teaching, Learning &Evaluation
5.	Prof. (Dr.) Pashmina Doshi	Faculty of Commerce & Management	Teaching, Learning & Evaluation
6.	Prof. (Dr.) Srinivas Chippalkatti	Faculty of Science & Technology	Research, Innovation & Extension
7.	Prof. Ansari Jameel Ahmad	Faculty of Science & Technology	Infrastructure & Learning Resources
8.	Prof. Sukanya Kulkarni	Faculty of Humanities & Social Sciences	Infrastructure & Learning Resources
9.	Prof. (Dr.) Swati Mutha	Faculty of Pharmacy	Student Support and Progression
10.	Prof. (Dr.) Shraddha Kaje	Faculty of Art & Design	Governance, Leadership & Management
11.	Prof. (Dr.) Vidya Desai	Faculty of Humanities & Social Sciences	Institutional Values and Best Practices
12.	Prof. (Dr.) Jagadish Tawade	Faculty of Science & Technology	NIRF / Research, Innovation & Extension
13.	Ar. Aishwarya Khadse	Faculty of Architecture	Benchmarking/ Analysis
14.	Prof. (Dr.) Shraddha Khamparia	Faculty of Science & Technology	THE Ranking
15.	Prof. Unmesha Patil	Faculty of Law	Atal Ranking
16.	Prof. Madhavi Dachawar	Faculty of Science & Technology	ERP Coordinator/ Campus Mgmt
17.	Prof.Shailesh Thaware	Faculty of Science & Technology	ERP Development
18.	Prof. Ankita Sangle	Faculty of Humanities & Social Sciences	ISO

Extended IQAC Members

Sr. No.	Name of the Faculty Member	Name of Faculty	Name of Department
1.	Prof. Nishant Sutare	Faculty of Humanities and Social Sciences	Travel & Tourism
2.	Prof. Rahul Bharadwaj	Faculty of Humanities and Social Sciences	Music
3.	Prof. Ankita Sangle	Faculty of Humanities and Social Sciences	Economics
4.	Prof. Alisha Nagraj	Faculty of Humanities and Social Sciences	Psychology
5.	Prof. (Dr.) Omvir Gautam	Faculty of Commerce & Management	Management
6.	Prof. Apurva Bhilare	Faculty of Law	Law
7.	Prof. Abhishek Bhosale	Faculty of Journalism, Media & Communication	Journalism & Mass Communication
8.	Prof. (Dr.) Preeti Mehta	Faculty of Pharmacy	Pharmacy
9.	Prof. Vaishali Wagh	Faculty of Art & Design	Fashion Design
10.	Prof. Shraddha Jadhav	Faculty of Art & Design	Interior Design
11.	Prof. Deepak Giri	Faculty of Art & Design	Graphic Design
12.	Prof Swatish Thiyagu	Faculty of Art & Design	Product Design
13.	Ar. Anjali Rasane	Faculty of Architecture	Architecture
14.	Prof. Sandip Kulkarni	Faculty of Science & Technology	Mechanical
15.	Prof. Aarti Hakim	Faculty of Science & Technology	Statistics
16.	Prof. Sanika Bam	Faculty of Science & Technology	Yoga & Naturopathy
17.	Prof. (Dr.) Shraddha Khamparia	Faculty of Science & Technology	Engineering Sciences

08 AUTHORITIES AND STATUTORY BODIES

Sr. No.	Regulatory Body	Programme(s)
1	Council of Architecture	B. Architecture
2	AICTE	B. Design
3	AICTE	B. Tech – Computer, Mechanical Engineering, Artificial Intelligence & Data Science
4	AICTE	MBA
5	Pharmacy Council of India	D. Pharm , B. Pharm
6	Bar Council of India	LLB (3 Years), BBA LLB (Integrated) 5 Years
7	UGC – 12B	All

09 | INFRASTRUCTURE

9.1

PHYSICAL INFRASTRUCTURE

SAPi360lab

VU has collaborated with SAP for the i360 Innovation Lab wherein the students are provided a platform to work on real-life problems of the industries. "The i360 Centre aims to create future-ready professionals with considerable experience in working with digital technologies. By collaborating with Vishwakarma University, we are empowering the students to cultivate an innovative mindset that allows them to address current and future needs of not just business but of the nation itself". The group of students have developed proof of concept following technology readiness levels for four projects.

Vishwakarma University and its students from SAP i360 Innovation Lab made history on Saturday, 5th October 2019. Yes, it is the first time that students' innovative ideas and projects were selected to be presented in a prestigious ZEE Business SAP Dare to Dream Awards 2019 function. These awards are granted to the CEOs and who dared to dream big and made a dent in the business world through their path-breaking ideas. The forum was packed with more than 150 CEOs and entrepreneurs. These innovative solutions were very well received and will be implemented soon in industries. The projects relate to the hospitality industry, automotive industry, and society.

SUMMARY OF VU INFRASTRUCTURE

- Research/PhD Section
- Psychology Lab
- Computer Lab
- Computer Centre
- Willo lab
- E & TC /Electrical lab
- Mechanical lab
- Tata Lab
- SAP lab
- Pharmacy Lab
- Drawing Hall
- Paint workshop
- Carpentry workshop
- Laser cutting & 3D printing
- Clay & ceramic workshops
- Dying & printing
- CNC & Milling
- Craft studio
- Metal workshop
- Post Production Cabins
- Studios

- Photography Studios
- Fashion Studios
- Fashion Studios and Ramp
- Pattern making studio
- Sewing Lab
- Design thinking studio
- Animation studio
- Library
- Eventorium
- Auditorium
- Board Room
- Sports ground
- Open gym
- Canteen
- Medical facility
- ATM
- Bank
- Ambulance facility
- Stationary Store
- Xerox Centre
- Yoga center

ECO-CAMPUS & LIVING-LAB

Vishwakarma University campus is a "Living Laboratory" or "Testbed" for research and development of new technologies. Eco-campus focuses on the demonstration of projects which showcase state-of-the-art technologies and solutions addressing real-life problems. Additionally, it involves the performance of various types of buildings by doing energy modeling and suggesting energy conservation measures. The Vishwakarma University campus spans across 22 acres and has more than 9 buildings. Apart from academic (lecture theatres, laboratories) and administrative buildings, the commercial outlets add to the diversity of the building typology on the campus. Some new building are being added to the campus that allow eco friendly technologies to be integrated in the buildings right from the design and the planning stage.

A. LIBRARY

The focal point of the campus that houses thousands of books across disciplines and consists of reading rooms, discussion rooms, reference rooms and computer lab amongst others.

B. VARIETY OF CONFERENCE ROOMS,

seminar rooms and traditional classrooms allowing greater versatility in its usage. Group work with individual attention to students such that they become active listeners and contributors in the class are the hallmarks of the design elements.

C. LABS

at Vishwakarma University provide spaces for research and experiments.The spaces include workbenches with counter tops along with lab equipment and apparatus for conducting controlled experiments.

D. PERFORMING ART CENTRE

for students learning theatre, music, dance and film & television. Its open and flexible architecture also allows an auditorium setting. It serves as a venue for all major cultural activities and community gatherings.

E. VISUAL ART CENTRE HOUSES A PAINTING,

a design studio and a sculpture studio. Understanding the importance of both the left and right brain, students learn creative techniques and develop their understanding of the visual arts.

F. RECORDING STUDIO

that hosts facilities for sound recording and mixing. The recording and monitoring spaces have impeccable acoustic properties isolating and diffusing sound that could otherwise interfere with the recording. It also houses a preview theatre that allows our film and television students to identify opportunities to improve their film

G. AMPHITHEATERS

with Multiple open air amphitheatres are used for performances, recreation gatherings and conducting classes. They are steeply graded for optimizing views and sights. Panel discussions and guest lectures are also conducted

H. SINCE THE STUDENTS,

faculty, and staff spend a considerable and valuable time on campus, Vishwakarma University provides amenities such as an ATM, Stationery store, eateries etc.

I. SPORTS INFRASTRUCTURE

At Vishwakarma University, students are provided adequate and equal opportunity to blend sports and fitness into their personal growth and development. Sports are mandatory for all students. Competitive sports are organized at inter-house and inter-institute level in as many as 14 disciplines covering indoor as well as outdoor games.

CENTRE OF EXCELLENCE

VIGYAN CENTRE OF EXCELLENCE

It was established in 2020 in partnership with Commonwealth Infrastructure Partners, UK and Jardins Consultants, UK. Vigyan Centre of Excellence (VCE) aims to provide excellence in higher, professional and vocational education for students, graduates and professionals through online and real-classroom education and training. VCE will bring these programmes to a wide audience – including those who would otherwise not have access to such knowledge – to broaden the base of well-educated young men and women. VCE is a facilitation centre to foster bilateral and multilateral collaborative activities between India, the UK and other Commonwealth countries in the fields of academic and vocational programmes, research and innovation, and organisational capacity building for industry and the private sector.

CENTRE OF E-LEARNING - VU DIGITAL

Keeping its promise of maximising human potential as its tagline, Vishwakarma University is embarking on a new venture called VU Digital (VUD). VUD is a continual education e-learning portal providing short span flexible courses to all in diverse fields. VUD wants to establish a robust ecosystem in the form of an education framework of future which we coin as "Education 4.0". This framework shall form the basis of bringing various stakeholders (industry, academia & young intellectual minds)

together to contribute as well as get back something from the VU Digital. VU- Digital wants to equip itself with highly relevant courses, innovative pedagogy and future technology tools of delivery. VUD wishes to understand from leaders, job givers and professionals the future e-learning trends, needs and tools to be able to stand out and be always relevant. This will be a continual and evolving process for us.

VUD is an overlap of magnetic zones, of skills desired by learners, skills imparted by universities and skills needed by industries.
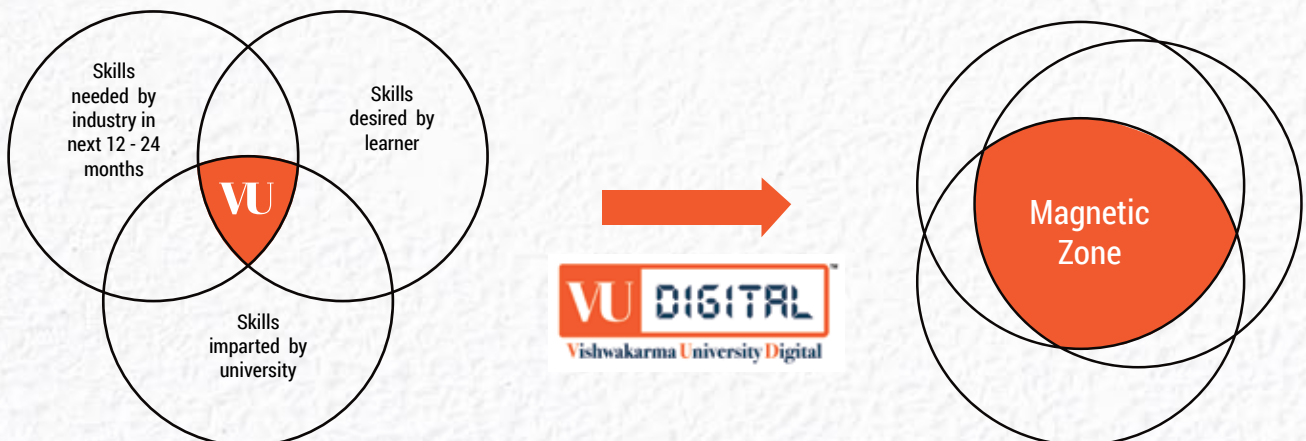
VUD has multiple zones like Industry Specific Zone, Company Specific Zone, Higher Education Zone, Startup Zone, Expert Zone, Technology Zone, Citizen Zone and Self-Help Zone for all type of learners.

Industry Specific Zone
- Courses that are needed for applying to a specific job in an industry
- Certification courses from compliance standpoint
- Courses in emerging industry trends and innovations

Company Specific Zone
- Every organization has learning courses for employees based on role – grade – skill level
- Generic courses in corporate governance and compliance are common to all

Higher Education Zone
- Courses offered as a result of collaboration with global higher education universities
- Hybrid courses could be offered in this zone
- Subject specific short courses

Startup Zone
- Startups have specific expectations from employees on technology & domain. Courses could be customized to meet their requirement
- Content & candidate curating courses & projects could be offered

Expert Zone
- Well known subject matter experts offer courses
- Ability to offer live online courses to specific learners

Technology Zone
- Hardware & software OEMs offer their con proprietary technology courses which could be offered
- Classroom + Hands-on + Online courses can be offered

Citizen Zone
- Courses that enable candidates to join government or public services can be offered in this zone

Self-Help Zone
- Language Skills
- Soft Skills
- Recreational Skills

LEARN WITH PURPOSE

Career Path	**Research Reports**	**Encouragement Points**	**Industry Talks**
Recommendation of discipline/ industry specific role focused courses.	Access to large volume of articles and reports on job markets and e-learning trends.	For utilizing extra services of platform like master classes/ webinars etc.	to get insights from experts and influencers for career building.

ONGOING COURSES ON VU DIGITAL

Hybrid and Electric Power Trains
Instructor
Dr. Anshuman Tripathi, NTU, Singapore

Global Mindset
Instructor
Dr Geoffrey Clements, Commonwealth Infrastructure Partners, UK

Emerging Technology, Humanities and the Augmented Age
Instructor
Dr. G. Louis Hornyak, Ex. Professor, AIT, Thailand

Introduction to Design Thinking
Instructor
Prof. Dr. Michael Testani,
Binghamton University, New York

Understanding the Innovation & IPR Landscape
Instructor
Prof. Dr Prabuddha Ganguli,
Patent agent and IPR Consultant of
International Repute

OUR TEAM

(Dr) Yogesh Deshpande
Director, VU Digital, Professor, Department of Computer Engineering.

Prof. Dr Shraddha Khamparia,
Core Member, VU Digital, Head, Department of Water, Sanitation & Hygiene.

Prof. Deepshikha Sharma
Core Member, VU Digital, Assistant Professor, Department of Law.

Ms. Amruta Ajit Haldankar
Instructional Designer, VU Digital.

Ms. Priya Nakade
Project Manager, VU Digital.

CENTRE OF EXCELLENCE BIOSYSTEMS, BIOMEDICAL AND DRUG AND DELIVERY TECHNOLOGIES

Innovations, inspiration and invention have marked the progress of mankind at each phase of evolution. VU Centre of Excellence for Biosystems, Biomedical and Drug Delivery Technologies (VU BBDDT) was established on 2nd March 2021 with the express aim of providing the industry and academia with the opportunity and resources to undertake the challenges in research and development. Vishwakarma University's multidisciplinary expertise in the field of science and technology has facilitated the development of the Centre of Excellence for Biosystems, Biomedical & Drug Delivery Technologies with an aim to take challenges that will be beneficial for the stakeholders & society at large.

VU BBDDT works in close collaboration with the industries, academic institutes, government bodies, research centres, laboratories, clinical research centres, start-ups (Enterprises) and/or small-scale industries, faculty, students, etc. The Centre takes up research projects in the multi-disciplinary areas of pharmaceutical sciences, along with a blend of science and engineering technologies.
This provides a breeding ground for innovations and inventions in Biosystems, Biomedical and Drug Delivery Technologies.

SERVICES OFFERED

Centre has identified three key Thrust Areas
• Basic Research
• Applied Research
• Service to Industry in Wide domains viz.
• Computer-Aided Drug Design, Docking, Molecular Modelling and homology modelling
• Design and synthesis of novel chemical entities
• Drug Analysis
• Formulation development
• Crude extraction- Phytochemical analysis
• Statistical Analysis
• Device designing and development
• ADME profiling
• Drug-Biomolecule Interaction
• Nanoscience/ Nanotechnology
• Biosensor based studies

COLLABORATIONS

MoU between VU and Robonik India Pvt. Ltd.
Centre of BBDDT, Vishwakarma University (VU) has signed an MoU with Robonik India Pvt. Ltd. for strengthening Industry-Academia Engagement in the field of Biomedical Device Development on 25.03.2021.

The following areas of cooperation have been mutually identified by VU and Robonik Pharma:
• Conducting research on emerging issues in the Biomedical Device
• Technology Development
• Writing the Proposals for funding
• Providing training to students and teachers
• Facilitating projects and internships by students in the industry
• Supporting innovations, new projects, and entrepreneurship
• Take up joint research projects in problem-solving or innovation missions for product or process developments and improvements
• Strengthening efforts to enhance employability of students

MoU between VU and Diagnostic Centre
Centre of BBDDT, Vishwakarma University (VU) has signed an MoU with Diagnostic Centre for clinical testing and evaluation of developed biomedical devices in the field of Biomedical Device Development on 25th March 2021.

The following areas of cooperation have been mutually identified by VU and Sinhgad Pathology Laboratory:
• Sharing expertise
• Clinical studies
• Sensitivity and specificity studies
• Training
• Writing collaborative proposals

RECENT EVENTS

An expert session on "Cell responsive Phytochemical Based Polyactive Nanoformulation for Target Delivery" on 22nd May 2021 by Dr. Padmavati

An expert session on Herb-Drug Disease Interactions - A prerequisite for integrative Medicine (Funding opportunities and approaches to transdisciplinary AYUSH research) by Dr. Swapnil Borse

OUR TEAM

Prof. Sachin Sakat
Director

Prof. Sonali Manwatkar
Coordinator

Prof. Chetan Kapadnis
Member

Prof. Poonam Inamdar
Member

Prof. Swati Mutha
Member

Prof. Makarand Puri
Member

Prof. Mrunalini Kulkarni*Member*

Prof. Dipti Joshi
Member

Prof. Srinivas Chippalkatti
Member

Prof. Vidya Desai
Member

WILO-VU WATER QUALITY CENTRE OF EXCELLENCE EMERGING DIGITAL GRID

Vishwakarma University (VU), Pune promotes education, research, innovation, and outreach in the domain of water and sanitation. The mission is to enable innovative technologies, best practices, and development in the context of the need, relevance, socialization, and localization to the community at large for the greater good. There is a major drive to ensure the bottom of the pyramid, the marginalized and needy community is very much beneficiary in this endeavour. In particular, water treatment, purification, and creates much needed social awareness about clean drinking water and sanitation.

The state-of-the-art, Water Quality Centre of Excellence in collaboration with Wilo Foundation, Germany at Vishwakarma University, is a step towards fulfilling the motto of carrying out transformational research in the domain of water and sanitation.

SERVICES OFFERED

- Water Quality for Potable water, Groundwater and Irrigation water
- Water Quality for Construction water and Cooling tower
- Water Chemical and Elemental Analysis of Water samples
- Water Quality for Effluent from various industries
- Method Development for wastewater the treatment plants
- Consultation for Water treatment Consultation for Effluent treatment
- Training Facility for sample collection
- Project Guidance

The Centre has sophisticated equipment to measure physical, chemical, and biological parameters of water. To conduct research and measure the physical, chemical, and biological parameters of water, the Centre is well equipped with the latest models of sophisticated instruments Wilo Foundation-Vishwakarma University promotes research in water treatment, purification and creates the much-needed social awareness about clean drinking water through its Water Quality Centre of Excellence. The centre has been established with the help of a grant from Wilo Foundation, Germany.

The Centre is well equipped with all kinds of latest instruments utilized for testing water quality. All physical, chemical and biological tests are carried out in the centre and results are provided to the customers.

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- Hot Air Oven
- Micro Balance
- pH Meter
- Turbidity Meter
- Kejaldhals Apparatus
- Muffle Furnace
- Atomic Absorption Spectrophotometer
- Analytical Balance
- Biological Incubator
- E-coli Test Kit

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- Magnetic stirrer with Hot Plate
- UV-Vis Spectrophotometer
- Centrifuge
- HPLC
- Flame Photometer
- Colony Counter
- Filtration Unit
- Multi Ion Meter
- Water Bath
- Heating Mantle
- Multi-Electrode Meter

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PROJECTS

Research projects with funding or without funding

- Wilo Safe Water Hut Project at VU Campus
- Cartridge development for Fluoride (Material developed)
- Cartridge development for Arsenic (Started)
- Cartridge development for Aluminum
- Wilo Safe Water Hut Project at VU Campus
- Cartridge development for Fluoride (Material developed)
- Cartridge development for Arsenic (Started)
- Cartridge development for Aluminum

Consultancy Projects

- Project in association with Wilo
- Project in association with Philips
- Projects in association with Accurate Gauging

Student projects

- 14 projects by students with 10+ semester long internships and 20+ short internships.

OUR TEAM

Prof. Dr. Dhananjay Bhatkhande *Director*	**Prof. Dr. Shraddha Khamparia** *Deputy Director*
Prof. Pranav Dhaneshwer *Member*	**Prof. Sandip Kulkarni** *Member*

CENTRE OF EXCELLENCE FOR ENERGY AND SUSTAINABILITY

All 17 Sustainable Development Goals are aimed at addressing the problems of society in view of satisfying the need for environmental conservation. Prioritizing the same objective of creating a sustainable environment for the users of the University campus, this unique ECOCAMPUS has been founded and the Centre of Excellence for Energy and Sustainability has been established.

The aim is to make the Vishwakarma University campus a "Living Laboratory" or "Testbed" for research and development of new technologies and to assess the performance of various types of buildings by doing energy modelling and suggesting energy conservation measures.

MoU between VU and Integrated Environmental Solution (IES) is signed in March 2019 for an Authorised Training Partnership agreement between both the beneficiaries for the future of energy conservation. In addition, MoU between VU and Qi Square Ptv. Ltd. (Singapore) was signed on similar lines in May 2019. A total of 32 students have completed their internships ranging of duration of 1 month to 10 months. The research thrust was on Energy conservation measures in the buildings, IoT based energy use calculation and analysis, Energy audit of buildings in a virtual environment. During their internship, students worked on 12 interdisciplinary research projects in departmental collaborations. The groups consisted of students from different steams from Computer engineering, Mechanical Engineering,

Computer science, Statistics and Design departments.

In the courses offered under the centre of excellence, Training is provided on different modules of IESVE, which can be used to create a 3D model of a building and simulate it for different weather conditions to know the present or future energy consumption; Data collection related to energy consumption data of various types of buildings; analysing and using this data for finding baseload and energy conservation measures. Besides, an Energy Audit Elective is offered to students enrolled in the Mechanical Engineering and Architecture programmes.

OUR TEAM

Dr. Kailas Patil	**Maya Kurulekar**
Director	*Deputy Director*
Pranav Dhaneshwar	**Abhay Chavan**
Member	*Member*

CENTRE OF EXCELLENCE- INDUSTRY 4.0

Presently the physical & digital worlds are merging & revolutionizing manufacturing processes dramatically. We call this Industry 4.0 or the 4th industrial revolution. Industry 4.0 is an amalgamation of various emerging technologies in making factories smarter and customer-centric. This revolution will have a similar effect on our entire society as the steam, electricity, automation and computerization had in earlier decades.

Industry 4.0 center is established to develop bonding with manufacturing industries and create manpower and resources for smart manufacturing setups. The center will also sensitize people at large in disruptive technologies required to implement Industry 4.0.

4. ACTIVITIES

(A) Collaboration with C4I4 Labs Pune

The Department of heavy industries, Government of India has set up C4i4 Lab Pune as part of a national initiative named SAMARTH (Smart Automated Manufacturing and Rapid Transformation Hub) Udyog. Vishwakarma University is the founder member and education partner of C4I4 Labs Pune. Various projects were undertaken by this center under this collaboration.

Factory Assessment Internship

Around 25 manufacturing industries around Pune were assessed using an innovative tool developed by C4i4 labs for their readiness in adopting Industry 4.0. Students got a chance to visit factories and meet higher authorities to gather the assessment data. It even facilitated their factory visit and shadowing activity with factory authorities

Participation in Knowledge Series Lectures

Students attended master classes in the form of lectures by experts in Industry 4.0 under the knowledge series lectures at C4i4 Labs. It benefited students as well as faculty in developing awareness about industry 4.0 terminologies and technologies.

Remote Product Monitoring System Project

(i) A smart sensor based system was developed around an old traditional lathe machine as a digitalization experiment. This helped in monitoring the health of the machine and its production throughput and all other types of data on a computerised dashboard. This setup could be used as an experimental resource for gathering manufacturing data smartly and using data-analytics to gain further insights.

(ii) Visit to C4I4 Labs was conducted for sensitizing students about developments taking place in industries

(B) Trainings Conducted

Training for Remote Product Monitoring System using IOT was conducted in university campus. Around 20 students were given hands-on experience of retrofitting existing machines. One lathe machine was digitalised and linked with an IOT controller to gather data from the machine on a real-time basis. The training was concluded with a factory visit to Indo-Schottle Pune where two factories are controlled from head office using an IOT controlled system.

(C) Courses offered

An upcoming course on "Introduction to Industry 4.0" will be offered on VU Digital Portal for fresh engineering graduates. Course duration will be 10 Hrs and will be completely delivered in online mode.

(D) Organized Events

(i) Workshops
A 3D printing workshop was conducted for members of Industry 4.0 students club in which students got hands-on experience of 3D printing for parts designed by them.

(ii) Knowledge Series Lectures

Topic	Speakers
Industry 4.0 in Nutshell	Mr. Aditya Wagh
Overall equipment efficiency & asset management	Mr. Deepak Shrivastava
Applications of IOT and AR/VR in Industry 4.0	Infinity X and PTC

(E) Internships Offered

(i) Internship @ C4I4 labs

Factory Assessment Internship Program

(Joint Program Between VU and C4i4 Labs)

- 25+ Industry data based on the Industry 4.0 index collected.
- Knowledge gained about strategies adopted towards smarter manufacturing.
- Gaps identified between current and desired conditions of digital transformation.
- Roadmaps created for Industry 4.0 adoption in industries
- Participation of around 35 students of Engineering and Management across
- Vishwakarma Group (VU, VIT Pune and VIIT Pune)
- 7 faculties involved as mentors

(ii) Internship @ Vega Innovations & TechnoConsultants , by Anish Navale

- Studying Industry 4.0 adoption in steel manufacturing industries nationally & globally
- Implementing IOT on industry level projects.
- Database Management and Business Intelligence on large scale factory data.
- Understanding of automation of traditional manufacturing and industrial practices, using modern smart technology.
- Strategising and implementing of technology required for automation of steel manufacturing industries.

(F) Collaborations

(G) Interaction with Outside World - Talks

- Prof. Dr. Yogesh Deshpande and Mrs. Mrunmai Ranade delivered an invited speech in the National Seminar on "Emerging Trends and Career Opportunities in Industry 4.0" at K. B. Joshi Institute of Information Technology, Pune, on 28th February 2020.

- Mrs. Mrunmai Ranade participated in an online panel discussion on "Industry 4.0 and its Applications" organized by PALS on 27th February 2021. It was a canvas to showcase Vishwakarma University's efforts towards Industry 4.0. Students and faculty from around 25 colleges from various states attended this panel discussion. PALS is an educational initiative by volunteers from Alumni Fraternity of various IITs.

5. STUDENTS PROJECTS

(i) Process Excellence Through Digital Transformation
(Joint Project between VU and Aakar Foundry)

Objectives
- Smart data collection for melting process in foundry.
- Real-time computation of OEE & process parameters including man, machine, material.
- Using statistical methods on data to guide the manufacturing process in real-time and do predictions.

Outcome
- Mobile / Web-based application for process digitization.
- Automated search engine for special conditions.

(ii) Remote Product Monitoring System With IOT
(Joint Program Between VU and C4i4 Labs)

Objectives
- Demonstrate concepts of digitalization in Industry 4.0 to students.
- Give a feel of real-time computation of OEE & process parameters.

Outcome
- Setup of digitalisation of traditional lathe machines as an example of a cyber physical system.
- 20 students got trained using this setup for basic concepts of Industry 4.0.

6. PUBLICATIONS

Rugved Patkar , Idris Press Wala , Yogesh Deshpande and Mrunmai Ranade published a research paper titled "Step Towards Smart Workshop of Industry 4.0: Remote Product Monitoring System using Industrial Internet of Things" at an International Conference on Industry 4.0:Future Perspectives and Agility , Pune, Maharashtra, INDIA in August 2020. The paper bagged first prize and got published in the UGC care journal.

OUR TEAM

Prof. (Dr.) Yogesh Deshpande	**Mrs. Mrunmai Ranade**
Director	*Deputy Director*
Mr. Nikhil Shinde	
Member	

CENTRE OF EXCELLENCE FOR MEDIA EVENT ENTERTAINMENT & TOURISM

The centre of excellence for MEET is established in collaboration with industry partner Wizcraft MIME. The objective of this centre is to Create a larger and sustainable impact and value to the industry, Students and the society. The centre will be the seat for knowledge and innovations, The vision of this centre is

1. Ideation and execution of the technology interventions in the field of event management, media ,entertainment and Tourism.

2.Techno-economically viable ideas to practice using Technology Readiness Levels

3. Integration of business, marketing and IP strategy for knowledge products

4. Alliance with business stakeholders for creating an impact.

CENTRE OF EXCELLENCE FOR EMERGING DIGITAL GRID & E-MOBILITY

Prepare students for technologies of the future in the Automotive domain. The Mechanical Engineering students will be offered a chance of specialization in the domain of 'Future Mobility' under EDGE Centre. Opportunities of research and internships in Industries and at ERIAN, Nanyang Technological University, Singapore.

The centre will facilitate in opening plethora of opportunities for the students-

• Mechanical engineering and Manufacturing: Design, develop, test and manufacture the tools, machines, and other mechanical devices in electric vehicles.

• Materials and Chemistry: Development, processing, and testing of materials used in electric vehicles and batteries

• Electrical engineering: Design, develop, test, and supervise the manufacture of electrical components

• Electronics engineering: Design, develop, and test sensors and other electronic components and systems for vehicles

• Software development: Design and create software that controls these vehicles Under the centre, we have conducted a VU digital course on hybrid and electric power trains. This course was equivalent to two credits of VU. It was attended by the students of the mechanical engineering department as well as other departments such as computer engineering. (Student details available with the vu digital team.) The course was conducted by the mentor of EDGE COE Dr. Anshuman Tripathi of NTU Singapore.

We also plan to build an autonomous utility vehicle in the near future.

CENTRE OF EXCELLENCE VU-IQUBE

(The Idea, Innovation and Impact Center)

As beautifully encapsulated in its motto - maximizing human potential, Vishwakarma University, since the year of its inception, has worked endlessly towards creating an enabling environment to ensure the wholesome development of its students. Employing innovative learning methodologies has created an effective amalgamation of didactic and practical learning. This coupled with a responsive and active student community has made the VU campus a productive ground for the germination of new ideas and intellectual activity. Now VU has taken the next natural step in its journey of academic excellence by launching VU-IQube, on the 1st of October, 2020, to unleash the creative potential of its students.

Focusing on Idea, Innovation, IPR, and Entrepreneurship in a synergetic and integrated way VU-IQube seeks to facilitate the culture of innovation in VU and to build an Eco-system that enables self-empowerment.

CENTRE OF EXCELLENCE FOR EMERGING DIGITAL GRID AND E-MOBILITY

Initiatives

1. The Impactful Innovation Project:

Under this Initiative VU-IQube has established an SOP for the submission, screening, selection, and processing of the ideas, inventions, and innovations of the Students. Students are invited to submit their Ideas, Innovations, and Inventions. These go through the process of screening by the expert committee constituted for the same. Selected Proposals are taken up for Nurturing which includes, inter alia Incubation, IPR Facilitation, and Entrepreneurship support required to bring the respective projects to fruition.

2. Faculty IPR Facilitation Programme:

Under this initiative, the Faculty is provided with drafting, filing, and financial support for IPR registration and processing for their eligible projects.

3. Faculty Capacity Building Programme:

The Faculty is provided exposure to training and workshops that build their capacities in the areas of IPR, Innovation, and Entrepreneurship.

4. Student Capacity Building Programme:

Under this, through sessions, workshops, Elective Courses, etc., the capacities of students to understand and manoeuvre the landscape of IPR, Innovation, and Entrepreneurship is built.

UPCOMING

1. Entrepreneurship Festival:

An Annual festival that spreads awareness amongst the students and gives opportunities to students to display and work on their entrepreneurial skills.

2. Capacity Building of Students through Workshops and Interaction with various stakeholders of the Innovation and Entrepreneurship Ecosystem.

3. Global Exposure Events:

Interactions with Entrepreneurs from across the world.

6. Activities (In bullet points)

(Mention : Any of these which are applicable)

a. Avenues for collaboration

Entrepreneurship Promotion, Capacity Building.

a. Trainings / Services offered

- Entrepreneurship Development Workshops
- Intellectual Property Rights Processing
- Incubation Support
- Compliance Support
- Capacity Development
- Scoping
- Mentoring

b. Upcoming Events

1. Session on Validation of Ideas for Entrepreneurship

2. Phase 2 of the Entrepreneurship Fest 2021-22 with Capacity Development Workshops and Interactive Sessions with Successful Entrepreneurs from different parts of the globe.

3. Exposure Events for Student and Faculty Projects.

4. Minor Course on Entrepreneurship, Innovation and IPR.

5. Faculty Development Program

c. Events Organised

1. Talk by Dr. Smita Kale, Associate Manager, Venture Center, on Innovation and Entrepreneurship - Processes and Approach

2. Transdisciplinary Course on Understanding the Innovation and IPR Landscape, in association with the Department of Law, Vishwakarma University, Spearheaded by Prof. Dr. Prabuddha Ganguli.

3. VU Entrepreneurship Fest 2021-22 Orientation Session.

4. Design Thinking Workshop in Association with DCF Ventures, by Mr. Rammohan Reddy - Entrepreneur and Innovation Coach.

5. Session on Practical Insights and Learnings by Entrepreneurs in association with Venture Center Pune delivered by Young Entrepreneurs Ajinkya Dhariya - Founder and CEo, PadCare Labs, and Usmaan Khan - Co Founder and COO, Module Innovations.

6. Session on What makes a Successful Entrepreneur, by Ms. Lakshmi Potluri, CEO(DCF Ventures), Co Founder (Jabong.com), Angel Investor and Mentor.

7. Session on What do Angel Investors Look For by Angel Investor and Partner - ah! Ventures - CA, Mr. Amit Kumar.

8. Open House on NEN NextGen ACTIVATE Program in association with Wadhwani Foundation.

d. Collaborations

1. Venture Center - Strategic Partner   2. DCF Ventures

VENTURE

DCF VENTURES

e. Services offered:

1. IPR Facilitation and Processing
2. Incubation Services
3. Compliance Services

OUR TEAM

Prof. Kailas Patil *Director*	**Prof. Unmesha S. Patil** *Deputy Director*
Prof. Shrikant Kulkarni *Honorary Member*	**Prof. Niranjan Kulkarni** *Member*
Prof. Dr. Vijay Khedkar *Member*	**Prof. Wanrisa Kharkongor** *Member*
Prof. Ankita Sangle *Member*	**Prof. Jagdish Tawade** *Member*
Prof. Pranav Dhaneshwar *Member*	**Prof. Shailesh Thaware** *Member*
Prof. Dr. Yogesh Suryawanshi *Member*	

10 | DEPARTMENTS & PROGRAMMES OFFERED.

FACULTY OF ARCHITECTURE

DEPARTMENT OF ARCHITECTURE

The Department of Architecture was established under the School of Architecture and Planning, Faculty of Architecture as a progressive design studio for Architectural research & learning. The department has started with a five-year undergraduate degree programme of Bachelor of Architecture approved by COA (Council of Architecture) in 2019. This programme is designed to equip students with the essential knowledge to design-built environments and research in terms of learning and implementation.

We strive to edify future architects keeping pace with the requirements of the profession.

BACHELOR OF ARCHITECTURE

Bachelor of Architecture is a COA (Council of Architecture) approved five-year undergraduate degree programme designed to provide students with knowledge essential for designing built environments of various scales and types. It not only prepares students to enter the creative world but also equips them with the necessary technical knowledge and skills to bring their creative solutions to life.
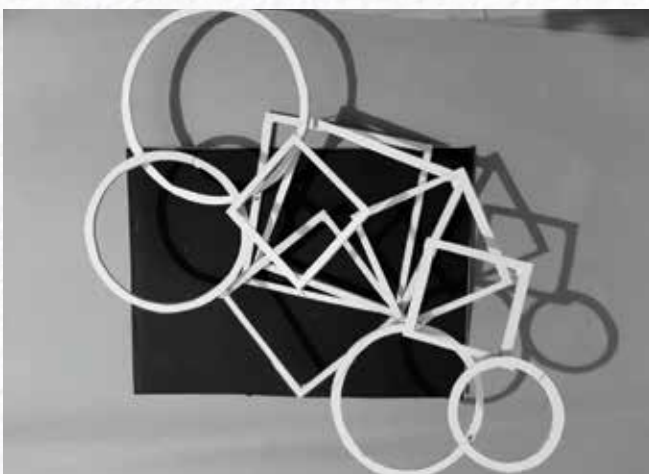
Art and Design

Department of Animation

In the modern times, Animation and VFX have taken a role of great significance in all disciplines which has created a wide pool of career opportunities

The Department of Animation was established in 2017 under the Faculty of Art and Design. The Department offers 3-year UG and 2-year PG programmes in Animation and Multimedia, which seeks to develop within the students the relevant skill sets utilized in design and Animation technologies. The focus is on understanding the modern trends in Animation and Multimedia as well as motion graphics. The state-of-art infrastructure of the department includes the computer laboratories, studios along with a designated film studio where students can learn the practical aspects of 2D graphic design, 3D animation, stop motion, 2D Animation, photography, new experimental animation, sound, video editing and VFX etc.

We are sure that our teaching methodologies will shape our students with an apt understanding of technology and creativity as well as innovation which makes them highly effective within the industry.

Bachelor of Art in Animation & Multimedia

The Media and Entertainment industry in India is not only rapidly growing but also undergoing major changes in terms of how it communicates with its audience. The BA (Animation and Multimedia) course at Vishwakarma University, Pune is unique as it focuses on creating a strong foundation in the art and technique of animation. Students receive instruction through a powerful integration of projects, classroom theoretical instruction, film screenings and analyses, workshops, and interaction with industry professionals.

Our award-winning animation and multimedia programme differs radically from most animation programmes in that we teach the full spectrum of production methods with block teaching, demonstrations and workshops by experts. From clay handling to gaining drawing mastery, students learn to use both cameras and CGI. They work individually or in a team to make films, documentaries and installations. The programme combines classical animation technique with innovative technologies that results in a distinctive advantage.

Master of Arts in Animation & Multimedia

The Master of Arts (Animation & Multimedia) is a two-years, 82 credit post-graduate degree programme of Vishwakarma University (VU) Pune. The domain of Animation & Multimedia focuses on Animation and E-Learning, web Design, 2D and 3D Animation- Lighting & Rendering with special Effects, Design Game in Unity platform.

This programme is aimed at familiarizing students with various advanced approaches, methods and techniques of Animation & Multimedia. The aim is to emerge as a Centre of Excellence for Animation training in India by continued research & development, acquiring global knowledge and imparting quality teaching, tools and content to aspiring students and developing them to be the best masters in animation and IT industry.

FASHION DESIGN

DEPARTMENT OF FASHION DESIGN

Fashion design is the art of applying design, aesthetics, clothing construction and natural beauty to clothing and its accessories. Set up in 2017, the Department of Fashion of Vishwakarma University is an acclaimed place for Fashion education in Pune that aims at educating individuals to be creative and responsible designers who will be competent to handle diverse areas of need/ situations in today's highly competitive and diverse Apparel Design Industry.

The department facilitates project-based teaching and learning and incorporates traditional rural craftwork by working with indigenous rural artisans via the cluster program. The Department is well equipped with a state-of-the-art fashion studio and Centre of Excellence in Design Thinking and Innovation. The Department offers internships and live projects. It adopts an innovative and integrated approach, global practices followed across the domains of textiles and fashion.

BACHELOR OF ART IN FASHION AND APPAREL DESIGN

The Fashion Design Course curriculum is based on a design sensitization that balances global fashion aesthetics with an Indian soul. It addresses the needs of the export market as well as both couture and prêt-à-porter in India. Holistic inputs on a generic design with a focused approach towards apparel inculcate the ability to develop and channelize creativity. A sequential hands-on experience enables students to conceptualize design, pattern making, draping, and construction of the garment of impeccable quality.

The course incorporates traditional rural craftwork by working with indigenous rural artisans via the cluster program. Students gain valuable insight into the broad spectrum that Indian fashion encompasses through internships at leading fashion houses/ manufacturing units to improve knowledge and overcome the practical challenges faced. This versatility is evident in the final year through the graduating fashion collections, conceptualized and constructed by the students at the Design Collection showcase.

MASTER OF ART IN FASHION & APPAREL DESIGN

TThe Fashion Design Post Graduation course educational plan depends on a plan sharpening those offsets worldwide style feel with an Indian soul. All-encompassing contributions on a nonexclusive plan with an engaged methodology towards attire instil the capacity to create and channelize imagination. A consecutive active encounter empowers students to conceptualize configuration, design making, and development of the article of clothing of flawless quality. The course aligns customary country craftwork by working with native rustic craftsmen through the bunch program.

Students acquire an important understanding of the wide range that the Indian style incorporates through temporary positions at driving design houses/ fabricating units to improve information and defeat the down-to-earth difficulties confronted. This adaptability is clear in the last year through the graduating style assortments, conceptualized and built by the students at the Design Collection graduation.

INTERIOR SPACE

DEPARTMENT OF INTERIOR SPACE

The Department of Interior Spaces was established under the School of Art and Design, Faculty of Interior Spaces as a progressive design studio for design research & learning. The department has started with a three-year degree programme of Bachelor of Interior Design and Decoration and a master program in Interior Design and Decoration in 2017. This programme is designed to equip students with the essential knowledge to design-built environments and research in terms of learning and implementation. We strive to edify future designers keeping pace with the requirements of the profession.

BACHELOR OF ART IN INTERIOR DESIGN

The Interior Design programme focuses on a student-centred teaching and learning environment. In a technologically transforming ecosystem where design problems are multiple and challenges are inevitable, our course encourages students to take creative risks. They design spaces that incorporate real-world requirements with innovative solutions, to shape holistic spatial experiences. Mentoring by industry experts and live projects are designed to enhance the skills and learnings of students.

This interior design course aims to develop the ability to be creative, conceptualize, and detail functional and aesthetic spaces in which the final design solutions may not be singular, but divergent. As a highly competitive program, portfolio reviews are conducted at various levels within the curriculum to determine a student's entrance and continuance. As an interior design college, we prepare students to enter the design profession with a strong work ethic and a comprehensive portfolio. In-depth study of the technical, design process and studio techniques required to integrate individual preferences is what will be taught in our Interior Design Course. Learners are adaptable and well equipped to navigate through a constantly evolving future.

MASTER OF ART IN INTERIOR DESIGN

The MA Interior Design programme at Vishwakarma University, Pune prepares students for a senior or management role in the design industry. Studying innovative technology for interiors, understanding and staying updated with trend forecasting, and designing interiors for different cultures and suitability is part of the MA Interior Design Course. Admission to our institute will help students understand the creative construction of interior spaces and the correct representation of a concept.

The MA Interior Design programme focuses on providing student-centric teaching and learning environment. A holistic interior design course ensures that the students are provided with a variety of experiences that build their design knowledge and skills.

DESIGN

DEPARTMENT OF DESIGN

Design education at the Department of Design, Vishwakarma University is all-encompassing and coexists in an active triadic relationship with design education, design research and design practises. Pedagogy, followed in the design domain, explores various dimensions in exploratory research and innovation in a defined process. Creative practices at the department entail a strong connection between the hand, the mind and the eyes. This critical approach to design demands clear conceptual thinking, along with the skills and craftsmanship to translate ideas into a tangible experience. The department endeavours to promote long-term interaction and develop a symbiotic relationship between academia, live industry projects and government bodies.

BACHELOR OF DESIGN IN GRAPHIC DESIGN/ PRODUCT DESIGN/ USER EXPERIENCE DESIGN

The B.Des. programme at the Faculty of Art & Design at Vishwakarma University, Pune aims to shape the students to create a vision for the future with an interdisciplinary approach. The programme offers degrees in three domains- Graphic Design, Product Design, and User Experience Design. Design is a continuous process of observation, experimentation, and creation. Design education at the Faculty of Art & Design, VU, Pune is all-encompassing and coexists in an active triadic relationship with design education, design research, and design practice. Designers communicate through their ideas created by combining visuals, text, colours, and symbols.

These courses demand clear conceptual thinking, along with the skills and craftsmanship to translate ideas into beautifully executed work. The programme aims to develop the knowledge to solve the problems creatively and to encourage a spirit of innovation in the industry. It endeavours to promote a long-term interaction and develop a symbiotic relationship between academia, industry, and government bodies.

MASTER OF DESIGN IN GRAPHIC DESIGN/ PRODUCT DESIGN/ USER EXPERIENCE DESIGN

The Master of Design (M.Des.) course at Vishwakarma University, Pune is aimed at developing the knowledge, skills, abilities, and aptitude in students to encourage them to creatively solve problems and develop a spirit of innovation in the industry. The programme endeavours to promote a long-term interaction and develop a symbiotic relationship between academia, industry, and government bodies. The programme offers three specializations including Graphic Design, Product Design, and User Experience Design.

The Graphic Design programme focuses on visual hierarchy, typography, and pictures to create messages that are visually appealing and easy to understand.

At our Product Design Course, we equip our students with a wide range of design skills and thought processes that allow them to articulate their design ideas and thinking.

User Experience Design Course exposes the young learners to the various digital and research tools and the critical and creative concepts that will help design an excellent experience.

Commerce & Management

An abode for students and faculties of various diversities the Commerce and Management Department, Vishwakarma University promises to give one of the best learning experiences to forward-looking enthusiasts at par with the current industrial requirements of the country. Giving more emphasis to practical learning, listening to the delegates of the corporate world, understanding the practical market has always been a practice of the Department apart from the highly well-structured classes that not only make the student thrive at their work but also opens for them the door to better placements in various sectors of Commerce and Business industries. With an aim to touch and flourish the lives of every single stakeholder associated, the Commerce and Management Department, Vishwakarma University believes and maintains the process of continual improvement in the Research, Teaching and Learning process and promises to do the same for the times to come.

The U-Multirank on 9th June 2020 announced the results of its annual cycle of 'World Rankings of Universities' for 2019-20 where VU, especially the Commerce and Management Department left a good impression. Amongst total 1759 participants (Universities & Higher Educational Institutions) from 92 Countries with 15 participants from India, VU has achieved this remarkable success.

Bachelor of Business Administration

BBA is an undergraduate degree programme designed to provide students with essential knowledge in the field of Business Management viz. Marketing, Finance, Human Resource, Operations, Supply Chain and other functional business areas.
The BBA programme at VU provides a framework, where students can choose from the basket of courses leading to different stream specializations. The flexibility of choices results in the award of a general BBA degree or BBA with Major / Minor specialization. Through classroom training and practical exposures (case studies, internships, projects, industrial visits, interaction with experts from the industry, etc.), BBA students learn the modern tools and techniques and gain managerial abilities.

Bachelor of Business Administration- International Business

The BBA (International Business) Programme proposes to give students an understanding of the different business management practices found all over the world and prepare them for graduate careers working abroad or in organizations that are engaged in business on a global scale. It is a specialized management programme that aims to prepare students for highly gainful careers in international business operations.

BBA (International Business) programme allows students to study world scenarios influencing an organization's international business opportunities. The programme provides global perspective on strategy, organization, policies, practices and business functions by understanding statutory and regulatory procedures, compliances and documentation. BBA (International Business) lets know international business operations to interact with international customers, suppliers, partners, and colleagues. It builds perspective about global cultures, social and sustainability issues.

BACHELOR OF COMMERCE IN COMPANY SECRETARY

Company Secretary (CS) is one of the principal posts in a company. A CS acts as a conscience seeker of the company. A CS is responsible for completing the company's tax returns, keeping records, advising the board of directors, and ensuring that the company complies with legal and statutory regulations. With introduction of the Companies Bill 2013, the scope, depth, rigour, authority and demand for the Company Secretaries (CS) have been on the rise.

The B.Com in Company Secretary programme at Vishwakarma University is a specialized Commerce Programme that aims to create graduates well versed with a strong conceptual framework of Finance, Taxation, Auditing and Compliances, forming a strong base for professional qualification of Company Secretary offered by the Institute of Company Secretaries of India. The programme BCom (Company Secretary) is an apt integrating of BCom and CS courses. CS courses (Subjects) woven rightly in the curriculum of B.Com. Learning the key skills that are required by an efficient administrator is an integral part of the Company Secretary programme leading to effectively contribute to organizations. The combination of core skills, domain understanding, and expert knowledge learned in this programme intend effective adaptation of participants to the ever-changing business environment.

MASTER OF BUSINESS ADMINISTRATION

The MBA programme is designed to provide a holistic view of business along with essential knowledge in its functional areas. The focus is on developing the necessary analytical skills, interpersonal skills along with data management and diagnostic problem-solving skills, essential for managerial and business decision-making. MBA programme at VU builds a holistic perspective through a dynamic learning model and through practical experience. It aims at enhancing student's ability to integrate conceptual business knowledge and management techniques and apply it to the real-world business situations.

The programme ensures theoretical and practical learning in a true multi-disciplinary environment that deepens connections between domains and promote overall learning. The structure of the MBA course structure is designed to give students the best corporate exposure. The programme acquaints students to global aspects of business and also sensitizes them to social issues. The classroom teaching helps them to become the leaders of tomorrow, in the specialization of their choice.

HUMANITIES & SOCIAL SCIENCE

DEPARTMENT OF PSYCHOLOGY

The department of psychology was established in 2017 to cater to postgraduate specialization courses in psychology. Today we are a department of more than 150 students from across India taking up graduate and undergraduate courses at our department.

The department has a fully equipped psychological testing lab, digital infrastructure and faculties coming from all specializations in psychology. The department aims to become research-oriented and socially conscious and strives to deliver the best of psychology professionals to society.

BACHELOR OF ART (HON.) IN PSYCHOLOGY

The BA in Psychology Course ensures that the students are acquainted with the field of Psychology, branches in Psychology, various schools of thought, recent trends, theoretical as well as applied areas, and research methods in the field. It aims at imparting basic psychological skills like observational skills, communications skills, active listening skills, and interpersonal skills to students so that they can apply knowledge of psychological principles across various settings.

Creating a strong practice-oriented theoretical base hand-in-hand with recent advances in the field of Psychology is an integral part of the BA Psychology. We ensure students think, observe, assess and critically evaluate various psychological processes and manifested behaviour across all contexts.

MASTER OF ART IN PSYCHOLOGY

The MA in Psychology will provide students the knowledge which would help them to design, conduct, analyse, and interpret data for a psychological research study & demonstrate the ethical principles of research in psychology. Exposing students to high-level applied, active learning experiences in psychology involving research and clinical practice is an integral part of MA Psychology. Taught by a faculty with strong research orientation and field experience, the psychology course at Vishwakarma University offers a perfect balance of academic development and clinical training.

The program aims at exposing the students with both theoretical and practical knowledge of Clinical, Counselling, and Industrial with hands-on experience in the field through varied internships. The program also provides research-oriented knowledge and guidance allowing the student to design, conduct, analyse and interpret data for a psychological research study. We encourage our students to publish at national and international conferences.

DEPARTMENT OF TRAVEL AND TOURISM

The Department of Travel and Tourism at Vishwakarma University was incorporated in 2018. Here at our department, we offer 360-degree exposure to students for all-around development. The department introduces students to foreign cultures, foreign languages and world history. We believe in learning outside the classroom and we have made opportunities available for students to undertake real-time projects for industry readiness.

BACHELOR OF ART IN TRAVEL AND TOURISM

BA in Travel and Tourism is an undergraduate degree programme of three years designed to provide students with key skills and industry knowledge relevant to an exciting range of careers within the sector.
Domestic and Internat
ional Tourism has become a major economic activity in the world and one of the fastest-growing industries which demands a professional outlook. The course imparts just the right kind of frame, to fit in a successful career in Travel & Tourism. With domestic and international tourism picking up, many careers can indeed be made in this sector.

The BA programme at VU provides endless career opportunities in this fast-growing industry of travel and tourism. Candidates looking to pursue their career in the industry can choose to work for travel agencies, government tourism departments, tour operations, immigration and customs services, airlines, hotels, and the list continues.

MASTER OF ART IN TRAVEL AND TOURISM

TMA in Travel and Tourism is a postgraduate degree programme of two years that qualifies graduates to take over specialist and managerial positions in the tourism and travel industry.

The programme covers all the core subjects and additional subjects required to hone the skills demanded by the growing Tourism Industry. Tourism apart from being a vital part of one's recreational and refreshment activities happens to be an important area of economic generation of a country. The industry contributes to high revenue and significantly to the GDP of the country.
The MA programme at VU provides endless career opportunities in this fast-growing industry of travel and tourism. It includes the activities related to the tourism and hospitality industries and various aspects of business administration.

DEPARTMENT OF ECONOMICS

The Department of Economics was established in year 2018 with faculty members, with research and teaching interests that span a broad range of fields which include economic theory, game theory, behavioral economics, experimental economics, macroeconomics, monetary economics, economic growth, development economics, and different areas of applied microeconomics. The department offers a major in Economics and interdisciplinary majors in Economics & Finance, Economics & History, and in Politics, Philosophy & Economics (PPE). At the graduate level, the department offers B.Sc and M.Sc in Economics.

BACHELOR OF SCIENCE IN ECONOMICS

The B.Sc Economics programme at Vishwakarma University, Pune is an undergraduate degree programme of three years designed to provide students with skill-based essential knowledge in the fields of Economics along with Statistical and Mathematical tools. The programme aims to help students objectively analyse issues related to the economy, business, public policy and society.

We prepare students to enter the corporate as well as academics world by equipping them with the necessary technical, decision making, and managerial abilities that are an integral part of our B.Sc. Economics Course. We ensure all students are given a broad knowledge of the technical and functional aspects of the economy and its interconnection through all the other disciplines.

The thrust of this programme is also to provide the students with a platform for pursuing higher studies leading to post-graduate or doctoral degrees. Graduates may apply the knowledge gained in the production industry, financial, academic research, and agriculture sectors.

MASTER OF SCIENCE IN ECONOMICS

It is a specialized programme that aims to prepare students for highly gainful careers in Economics with mathematical and statistical tools. Economics is a discipline that is fundamental in decision-making and policy formulation. Its descriptive and inferential roles not only formulate the basis of growth for almost all disciplines of the contemporary world but also provide an array of non-traditional employment avenues ranging from academics to business analysts.

The M.Sc. Economics programme focuses on Economic theory and its application to real problems. The focus of this programme is to prepare students to enter into a promising professional life even after graduation, as also provide to them a platform for pursuing higher studies leading to post-graduate or doctoral degrees. During the programme, students will be equipped to use theoretical and practical skills.

We ensure all students are given a broad knowledge of the technical and functional aspects of the economy and its interconnection through all the other disciplines. Graduates may apply the knowledge gained in the production industry, financial, academic research, and agriculture sectors.

DEPARTMENT OF MUSIC

The School of Music, Vishwakarma University in association with the Lakshminarayana Global Centre of Excellence was established in 2019 with the aim of promoting and providing holistic music education with a global approach. The department grooms and prepares students with qualifications that are globally recognised with industry-relevant skill sets.

Students undergo thorough training in Hindustani, Carnatic, Percussion, and Western music with essential Global music inputs delivered by professional performers and industry experts. Helping students further their journey to find their voice and performative taste and style is an integral part of the School's approach. The department provides a blend of varied streams in Indian and Global music, encouraging careers as performers, musicians, and music industry professionals.

Practical Training: The programme is designed to be useful for practical application by the students when they enter the professional music field. As the major chunk of the instruction is centred on the performance and new age musical knowledge, the students would be well equipped to seize the professional opportunities and be ready to handle "on the job" matters with their practical and inclusive knowledge of their subject.

Balanced Curriculum: The programme has a balanced approach towards all the streams of music. Equal emphasis has been given to Hindustani, Carnatic, Percussion and Western music instruction as well as newer realms in music like Audio/Video Engineering, Digital Marketing which are essential tools for a 21st-century musician.

Global Approach: The global approach of the curriculum would enable the students to learn, imbibe and experience Indian and global music in an entirely novel way. This would be essential in grooming students to become performers, musicians, and music industry professionals.

BACHELOR OF ART (HON.) IN MUSIC

The BA (Hons) in Music Programme in association with the Lakshminarayana Global Centre of Excellence is a 3-year unique undergraduate degree programme that prepares students with qualifications that are globally recognised and industry-relevant skill sets.

Students undergo thorough training in Hindustani, Carnatic, Percussion, and Western music with essential Global music inputs throughout the 3-year span of the programme. Helping students further their journey to find their voice and performative taste and style is an integral part of the B.A.Honors Music Programme. The institute provides a blend of varied streams in Indian and Global music, encouraging careers as performers, musicians, and music industry professionals.

The three aspects of the BA Music Programme includes:
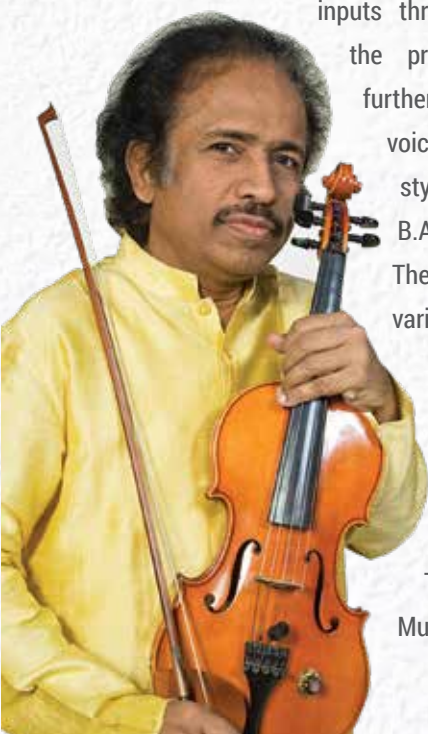
LAW AND GOVERNANCE

DEPARTMENT OF LAW

The Department of Law was established under the School of Law and Governance, Faculty of Law in 2018 as a centre for legal research and education. The department started with One Year LLM and PhD Programmes and subsequently with Five Year and Three Year UG Programmes in 2019. The programmes are approved by the Bar Council of India.

We endeavour the values of academic rigour, intensive research and strive to create legal professionals par excellence.

BACHELOR OF BUSINESS ADMINISTRATION- BACHELOR OF LAW

The BBA-LLB five-year course is an integrated undergraduate degree programme in Law enabling the students to get requisite knowledge of business administration and fundamental laws, both substantive and procedural laws, enabling the students to be professional.

The programme curriculum, through elective papers offered, enables the students to acquire a certain extent of specialization in Constitutional Law, Business and International Trade Laws, Criminology and Cyber Law, International Law, and IPR.
As one of the top law colleges in the country, we strive to help students resolve legal problems with the correct application of the law.

BACHELOR OF LAW

This LLB three-year course is an undergraduate degree in Law enabling the students to get requisite knowledge of basic laws, both substantive and procedural laws, to be skilled legal professionals. The students can practice in various fields of law in the public as well as private sectors.

The programme curriculum, through elective papers offered, enables the students to acquire a certain extent of specialization in Constitutional Law, Business and International Trade Laws, Criminology and Cyber Law, International Law, and IPR. The Curriculum is designed in such a way to include contemporary trends and issues in cyber-crimes, media laws, agricultural industries, etc

This law course will help students gain a better understanding of the Indian legal system and the underlying philosophy and theoretical considerations.

MASTER OF LAW

Master of Laws (LLM) is a one-year full-time postgraduate course with specializations in Criminal Law, Business Law, International Law & Arbitration, Cyber Law, and IPR (Intellectual Property Rights) Laws.

What sets the LLM programme at Vishwakarma University apart is the expert faculty and research-oriented rigorous academics. This enables the students to gain knowledge of the law and inculcate a research attitude.

The LLM course develops critical thinking and promotes a spirit of inquiry. We encourage the students to research socially relevant issues which have a lasting impact. We encourage our students to learn practical legal skills in analysis and critical evaluation, alongside a range of transferable skills such as research and presentation skills.

MEDIA AND COMMUNICATION

DEPARTMENT OF JOURNALISM AND MASS COMMUNICATION

The Department of Journalism & Mass Communication was set up in the year 2017 as per UGC guidelines and imparts two full-time degree programmes in media. A 3-years full-time Bachelor's of Journalism & Mass Communication and a 2-years full-time Master's of Journalism & Mass Communication. For the courses in Journalism, both the programmes draw from UNESCO prescribed syllabus. The other two specialisations offered at the undergraduate level are Advertising and New Media. While the post-graduate programme offers specialisations in Journalism, Advertising and Media Production. Both the programmes are taught by faculty with proven expertise in these areas. The Department also offers a perfect setting for learning different practical aspects in the form of a state-of-the-art audio-visual studio.

BACHELOR OF ART IN JOURNALISM AND MASS COMMUNICATION

The BA in Journalism and Mass Communication, an undergraduate three-year degree programme, is designed to empower students to create a trailblazing career in the field of news, advertising, and entertainment. The ever-growing verticals of the creative and service industry are offering hitherto unimaginable opportunities for the students of Mass Communication.

The bachelor's degree in mass communication and journalism

is the perfect ammunition for aspirants who wish to hit the ground running in the dynamic field of media. An integral part of this course is the comprehensive training offered by qualified and experienced faculty from different fields of mass communication.

Admission to programme will ensure that the students are equipped with the practical knowledge and essential skills required for working in various media organizations demanding different mass communication approaches and an evolved understanding of varied audiences' needs.

As an advertising, new media, and journalism course, it has emerged as a specially designed programme that encompasses the world of new-age content, broadcast production, and journalism.

MASTER OF ART IN JOURNALISM AND MASS COMMUNICATION

The MA in Journalism and Mass Communication, a post-graduate two years master's degree programme, empowers students to shape a trailblazing career in the field of news, advertising, media and entertainment. The MA programme is the perfect ammunition for graduate students from any discipline who wish to hit the ground running in the dynamic field of media.

The ever-growing verticals of the creative and service industry are offering scores of opportunities for the students of Mass Communication and Journalism. We aim to train individuals with a passion to lead from the front and ensure that our MA students develop the cutting-edge skills required in the ever-changing multi-media and convergent environment.

This Master's in Mass Communication programme will create industry-ready professionals with a research-based orientation. This approach, we believe, will shape new paradigms for a just society. The curriculum, in consultation with industry experts, is designed to incorporate the latest developments in the ever-changing media sector into classroom teaching and studio-based activities.

PHARMACY

DEPARTMENT OF PHARMACY

Pharmaceutical industries have become hi-tech and are performing an important role in global healthcare today. It is paramount that students are prepared to meet all the new challenges. At the Department of Pharmacy, the syllabus, teaching methodology, training, and infrastructure are designed to meet the current requirement.

The department focuses on the advancement of technology in the pharmacy field and as per the requirement of the Pharmacy Council of India (PCI). To enable this, the laboratories are well equipped with the latest, modern scientific instruments and students can access the library with the best reference books, scientific magazines, and journals.

Building technical and managerial capabilities amongst students to meet the needs of society and industry is an integral part of the Pharmacy. The department ensures the creation of awareness amongst students about the social demands and role of a pharmacist in society.

BACHELOR OF PHARMACY

B.Pharm. (Bachelor of Pharmacy) programme is about the design and development of drugs for the use of the living world. It is an industry and product-oriented profession. Pharmaceutical industries have become hi-tech and are performing an important role in global healthcare today. It is paramount that students are prepared to meet all the new challenges. At VU Pune, the B.Pharm. syllabus, teaching methodology, training, and infrastructure are designed to meet the current requirement.

The programme is focussed on the advancement of technology in the pharmacy field and as per the requirement of the Pharmacy Council of India (PCI). To enable this, the laboratories in VU are well equipped with the latest, modern scientific instruments and a library with the best reference books, scientific magazines, and journals.

Building technical and managerial capabilities amongst students to meet the needs of society and industry is an integral part of the B. Pharm. Admission to our institute will ensure the creation of awareness amongst students about the social demands and role of a pharmacist in society.

DIPLOMA IN PHARMACY

D. Pharm. (Diploma in Pharmacy) is the minimum qualification required to be a registered Pharmacist in India. With an outcome-focused curriculum for students to improve the necessary skills and adopt academic excellence for entry-level positions in retail pharmacies, hospital pharmacies as well as pharmaceutical companies.

The programme provides the knowledge of healthcare and biochemical science to prepare students for a life-long career as pharmacy education experts, clinical researchers, and pharmaceutical scientists. Students will get in-depth knowledge and hands-on experience in specialized areas. It also opens the door for certain opportunities in government sectors. Furthermore, the candidate can emerge as an entrepreneur right after the successful completion of the course.

Advancement of technology in the pharmacy field and as per the requirement of the PCI (Pharmacy Council of India), the laboratories in VU are well equipped with the latest, modern scientific instruments and library with the best reference books, scientific magazines, and journals.

SCIENCE AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE

The Department of Computer Science, Vishwakarma University, Pune aims at providing quality education in Computer Science and allied fields. The department runs two programmes namely, BSc Computer Science, an undergraduate programme and a postgraduate programme- MSc computer science. Both the programmes run in association with TCS iON specialized in data science.

Keeping in view the need for value-added courses, the department also offers Minor courses in Web and Mobile Application Development that would enhance the employability of the students. The department offers a student exchange programme whereby students get an opportunity to study abroad.

The department has highly qualified and dedicated faculty that works hard at imparting quality education. Apart from teaching-learning, the faculty is involved in extensive research, consultancy and skill development programs in compliance with the vision of the department. The students are engaged in co-curricular, research and consultancy activities guided by the faculty. The department provides all the required academic, non-academic and placement support to the students.

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

B.Sc. Computer Science is an undergraduate degree programme designed to provide students with a thorough grounding in the theoretical and practical aspects of the computer science discipline. A computer science degree is a versatile credential. The programme gives you access to a more diverse range of opportunities and industry.

It offers a variety of core, professional, and ability enhancement courses that help enhance the technical skills and employability of the students. The course provides students the right foundation to enter the real world where ambitious computer science professionals can showcase their skills as Software Developer, System Integrator, System Analyst among other job profiles.

The programme offers a rich set of electives like Data Science, Artificial Intelligence, Machine Learning, Cloud Computing, and the Internet of Things to keep up with the latest trends in the IT industry. It offers budding technocrats an insight into the world of computers and their applications through professional engagements which are in sync with the business environment.

MASTER OF SCIENCE IN COMPUTER SCIENCE

M.Sc. Computer Science is a Masters' Degree programme designed to provide students with a thorough grounding in the theoretical and practical aspects of the computer science discipline. A computer science degree is a versatile credential. The programme gives you access to a diverse range of opportunities and industry.

It offers a variety of core, professional, and ability enhancement courses that help enhance the technical skills and employability of the students. The course provides students a great deal to enter the real world where ambitious computer science professionals can showcase their skills as Software Developer, System Integrator, System Analyst among other job profiles.

The programme offers a rich set of electives like Data Science, Artificial Intelligence, Machine Learning, Cloud Computing, and the Internet of Things to keep up with the latest trends in the IT industry. The programme offers budding technocrats an insight into the world of computers and their applications through professional engagements which are in sync with the business environment.

DEPARTMENT OF STATISTICS

Statistics is a discipline that is fundamental in decision-making and policy formulation. Considering the importance of Statistics, Vishwakarma University established the Department of Statistics under the Faculty of Science and Technology. B.Sc. (Hons) - Statistics (Big Data Analytics) and M.Sc. - Statistics (Big Data Analytics) courses with an intake of 60 and 30 respectively were instituted in 2018.

From the academic year 2021, the programmes will be offered in association with TCS iON-Industry Honour Program (IHP) with winter and summer internships. A semester-long internship will be provided for the top 10% of students by TCS-iON. This is aimed at providing industry and technology insight to students and prepare them for professional careers in the industry. The programme offers an excellent balance between theory and real-world applications which covers traditional theory methods as well as modern ideas in the field of data analytics.

The programme provides a platform for pursuing higher studies leading to post-graduate or doctoral degrees. The statistical packages are useful to reinforce students' theoretical and practical skills. Graduates may apply the knowledge gained in the IT, production industry, financial, medical, and agriculture sectors.

MASTER OF SCIENCE STATISTICS- BIG DATA ANALYTICS

The M.Sc. Statistics Programme at Vishwakarma University, Pune is suitable for students who are interested in advanced learning and to undertake a research project in statistical science and its application to real problems. Developing the skill of big data and data analytics is an integral part of the M.Sc. Statistics Course. We ensure that the students learn and master techniques in data collection, data analysis in the data science field.

The programme offers an excellent balance between theory and application and covers traditional theory & methods as well as more modern ideas in statistics. Students will be proficient with the tools and techniques required to work with and analyze today's increasingly complex data sets in all areas of the sciences.

BACHELOR OF SCIENCE (HONS) IN STATISTICS-BIG DATA ANALYTICS

Statistics is a discipline that is fundamental in decision-making and policy formulation. The descriptive and inferential role of Statistics formulates the basis of growth for almost all disciplines of the modern world. It also provides an array of non-traditional employment avenues ranging from the sports-analysts to business analysts. The B.Sc. Statistics programme focuses on statistical science and its application to real problems. The course prepares students to enter into a promising professional life even after graduation.

DEPARTMENT OF COMPUTER ENGINEERING

In today's digital age, an enormous range of applications whether it is medical applications, manufacturing, or banking; computers are widely used to solve complex problems efficiently and in a short time. Hence, there is a growing need for Computer Engineers worldwide. The computer engineering programme successfully trains students to confront the challenges of their future professional life.

The programme prepares undergraduate students for a flourishing career in the field of technology and research. We ensure that the curriculum is a blend of core, professional and modern courses.

The B.Tech Computer Engineering Course has been designed to provide students with the skills and knowledge essential to excel in the area of computer engineering. In the Computer Engineering programme, students gain breadth and depth of knowledge in a multitude of computing specialties and are well prepared for industry positions as well as academic and research positions.

BACHELOR OF TECHNOLOGY IN COMPUTER ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

The Mechanical Engineering department at Vishwakarma University was established in 2017 to provide programmes that are designed to develop highly desirable and industry-relevant skill sets in the students. The department adopts a holistic approach towards the development of fundamentals of design, analysis, and manufacturing.

The focus is on developing the necessary analytical skills and diagnostic problem-solving skills through the high-quality and interactive teaching-learning process along with integrated practical experience.

BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING

The B.Tech Mechanical Course prepares students for their career paths with an ability to apply knowledge, skills, and fundamental principles of mechanical engineering in the context of rapidly changing technologies. Our aim is to prepare students for a variety of industries viz. manufacturing, casting, automobile, aerospace, etc.

Making the learner competent to lead his/her career in the areas of design, materials, thermal, manufacturing, automation, etc is an integral aspect of the B.Tech Mechanical Course. We ensure the application of the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

The programme offers two specialization tracks including:
• Future Mobility
• Smart and sustainable systems

The specializations offered present the students with an opportunity to equip themselves with the knowledge and skills relevant to the technologies of tomorrow

MASTER OF TECHNOLOGY IN MECHANICAL ENGINEERING

The M.Tech (Mechanical) programme at VU ensures the readiness of the students in a true multi-disciplinary spirit by offering specializations with Honors in Robotics and Electric Vehicles and specializations with minors in cyber security, Internet of Things (IoT), Virtual and Augmented Reality, Data Science, Product Design, Web and Mobile Application Development and Design Thinking and Innovation.

Department of Artificial Intelligence and Data Science

Vishwakarma University is one of the leading state private universities in Pune that offers B.Tech. Degree with a specialization in Artificial Intelligence and Data Science (AIDS). The department of computer engineering offers the Artificial Intelligence and Data Science Programme at VU Pune which provides students with the skills to perform intelligent decisions based on data analysis for real-world applications.

The programme is not only aimed to provide core technologies such as machine learning, data warehouse, data mining, and artificial intelligence; but it also gives in-depth inputs in areas like artificial neural networks, fuzzy techniques, big data analytics, and many more. Our aim is to prepare students to become industry-ready and knowledgeable, to pursue careers as data analysts, data scientists, and solve major problems related to the field of machine learning, statistics, knowledge discovery, and visualization. We help students excel in the field of computer science, applications, and systems with sound knowledge, skills, and practice.

Bachelor of Technology in Artificial Intelligence and Data Science

The Artificial Intelligence and Data Science Programme at VU Pune provides students the skills to perform intelligent decisions based on data analysis which is an important component in various real-world applications.

The programme is not only aimed to provide core technologies such as machine learning, data warehouse, data mining, and artificial intelligence; but it also gives in-depth inputs in areas like artificial neural networks, fuzzy techniques, big data analytics, and many more. Our aim is to prepare students to become industry-ready and knowledgeable, to pursue careers as data analysts, data scientists, and solve major problems related to the field of machine learning, statistics, knowledge discovery, and visualization. We help students excel in the field of computer science, applications, and systems with sound knowledge, skills, and practice.

DEPARTMENT OF WASTE WATER AND SANITATION MANAGEMENT

The Department of Water, Sanitation and Hygiene is established in the year 2020 to accelerate the impact of waste water treatment and sanitation management for the betterment of society and create professionals in this field. The programme imparted under the department imparts knowledge and detailed insights into waste water and sanitation management to students. The students will also be equipped with personal skills for the development of leadership and team working. The Department has set up a Water Quality Centre of Excellence that is equipped with state-of-the-art infrastructure. The Department offers national/International internships, live projects and utilizes innovative teaching pedagogies. The Department adopts an innovative and integrated approach, global practices followed across the domains of waste water treatment, sanitation and urban development.

The association of Vishwakarma University with the Asian Institute of Technology (AIT) gives global exposure to the students and facilitates cross-cultural research collaboration. The post graduate program running under Dept. of WASH is under Global Sanitation Graduate School, an initiative by IHE Delft Institute of Water Education Netherlands. Vishwakarma University is a member of the Global Sanitation Graduate School and is in a consortium with the Asian Institute of Technology.

MASTER OF SCIENCE IN WASTE WATER AND SANITATION MANAGEMENT

Water is one of the seventeen global priorities agreed by world leaders, captured within the sustainable development goals (SDG). The SDG 6 demands for treatment of wastewater and provision of universal access to adequate sanitation by 2030.

Addressing these challenges requires people with the necessary skills, knowledge, experience, and the professional networks and opportunities to provide sustainable water and sanitation solutions is an integral part of the M.Sc. Waste Water and Sanitation Management Course. It will accelerate the impact of wastewater treatment and sanitation management for the betterment of society by creating professionals in this field. This programme is conducted in association with Asian Institute of Technology, Thailand, under GSGS Global Sanitation Graduate School, IHE, Delft Netherlands.

In the context of the SDGs, there develops an urgent need for professionals in water, wastewater, and sanitation management. The aim of this unique programme is to impart knowledge and detailed insights into wastewater and sanitation management to students and create an intellectual asset. The students will also be equipped with technical, social, and personal skills for the development of leadership and team working.

DEPARTMENT OF YOGA AND NATUROPATHY

The Health & Fitness industry has become a major industry in the world and one of the fastest growing industries which demand a professional outlook. The department of Yoga & Naturopathy is just the right place to build a successful career in yoga, fitness and naturopathy. With the boom in the national & international fitness industry, there are a plethora of career opportunities in this sector.

The department of Yoga & Naturopathy provides traditional and modern types of Yoga. The candidates looking to pursue their career in the fitness and health industry can choose to work for fitness clubs, gyms, schools, corporates, and hospitals.

BACHELOR OF SCIENCE IN YOGA AND NATUROPATHY

Many years ago, sages analysed nature and the cosmos through meditation. The 21st century has given enough space to a number of domains to raise from the ashes and flourish like never before. Over the last few years, Yoga has seen a drastic surge in its followers. This has set the stage for professionals and amateur fitness junkies to come full-throttle and give their best. Speaking of fitness, Yoga is not only fulfilling as a practice but also as a gig that can turn your life upside down, in a good way.

The programme prepares undergraduate students for a flourishing career in the field of Yoga & Naturopathy. We ensure that the curriculum is a blend of core, professional and modern courses.

The B.Sc.Yoga & Naturopathy programme has been designed to provide students with the skills and knowledge of fitness. The students gain deep knowledge of ancient & modern yoga & naturopathy techniques.

DEPARTMENT OF MATHEMATICS

Mathematics is one of the most prominent subjects catering to the needs of almost all branches of science and technology. The Department of Mathematics was established in Vishwakarma University in the year 2018 and within a short span of time, the department has done remarkable progress. The Department offers Mathematics as one of the core subjects in all branches of first-year engineering, U.G and P.G. in Statistics.

Currently, the Department offers Post-Graduate and PhD programmes in Mathematics. The curriculum focuses on providing a solid base on a diverse range of mathematical subjects, developing technological competency, soft skill and life development. The tools like Matlab, Scilab, Maxima, Geogebra, and Python are introduced at the post-graduate level for data analysis and computation. Our curriculum is research as well as job oriented and it follows CBCS guidelines. Apart from regular classroom teaching, the Department offers add-on-courses, internships, self-learning through MOOCs, Project work, and SET/NET/GATE/ AMCAT guidance.

Our faculties are working in the research areas: Algebra, Analysis, Number Theory, Differential Equations, computational fluid mechanics, etc. Four research scholars have enrolled for PhD under the guidance of the faculty in the department.

INTERDISCIPLINARY STUDIES

WIZCRAFT MIME

DEPARTMENT OF EVENT MANAGEMENT

The Department of Event Management was established in the year 2021. The department offers premier programmes for undergraduates and graduates wishing to excel and develop a career in the Events industry. The department has been set up under the guidance of Wizcraft MIME to provide students essential knowledge and world-class acumen in an immersive, collaborative and forward-thinking learning environment, to foster intellectual curiosity and harness domain expertise in the media and events industry.

D. MINOR TRACK COURSES

Minor track administration and offering is a separate department at Vishwakarma University, Pune. The mission of Vishwakarma University and this established department is to provide a multidisciplinary and transdisciplinary learning opportunity to the student fraternity. As a vertical of VU, it is our desire to bring the students the right kind of academic resources and provide them with an elaborately researched array of minor track curricula that prevail in the University.

Minor Track Courses enable the students to satisfy their scholastic needs and aspirations as the system provides enhanced learning opportunities through an interdisciplinary curriculum. The initiative of Minor Track Courses at VU is with a goal to nurture the passion of students along with the provision of acquiring a specialized skill set. The state-of-art skillset which is the need of the hour has been provided by varied faculty of VU. It enables a student to obtain a degree by accumulating the required number of credits prescribed for that degree as per the model framework for programme structure of the programme of study. It offers flexibility, as the student, apart from the core courses, has a choice in selecting courses (as electives, relevant to the Faculty/ Department of study).The aim is also to provide students with an opportunity to undertake interdisciplinary courses. The interdisciplinary approach enables the integration of concepts, theories, techniques, and perspectives from two or

more disciplines to advance fundamental understanding or to solve problems whose solutions are beyond the scope of a single discipline, thereby making them holistic as well as Industry ready. The Interdisciplinary knowledge has become evident in most of the universities worldwide which helps the student to develop not only academically, but also holistically. Minor Track Courses are interdisciplinary programmes that transcend barriers of disciplines to provide a holistic learning experience through development of mental flexibility that prepares students to be lifelong learners. They Promote intellectual rigour by providing a holistic approach to the study of complex issues and ideas at a national and international platform. Nurturing of passion can be availed by enrolling into Minor track Courses. Most of the Ivy league and other Universities worldwide are offering Minor track courses in interdisciplinary subjects to name a few are Northwestern, Harvard, MIT etc which depicts the importance of Minor for today's educational scenario.

Minor track courses allow students to officially explore a department other than students' own, while at the same time getting credit for it. It adds value to students' major degree and can be a gateway to get opportunities in the field students have completed a minor track course in. Students' minor track courses can give sufficient knowledge to enable them to take part in interdisciplinary research and even pursue higher studies in such fields. Though a minor track course can be pursued simply out of genuine and deep interest in a particular department without any specific end goal in view, for the general majority, students should select it in such a way that it either suits students' major degree in a research-oriented interdisciplinary manner or in a generic way to any engineer or scientist. Basically, a Minor track course is an additional credential, a student will earn if he/ she does minimum 18-20 credits worth of additional learning in a discipline other than his/ her major discipline from the varied departments of Vishwakarma University.

FOLLOWING IS THE LIST OF MINOR TRACK COURSES

Faculty	Departments of VU	Minor Track Courses Offered
Faculty of Science & Technology	Department of Computer Sciences	Web and Mobile Application Development
	Department of Computer Engineering	Cyber Security Internet of Things (IoT) Virtual and Augmented Reality Data Science
	Department of Mechanical Engineering	Robotics Electric Vehicles
	Department of Statistics	Data Analytics
Faculty of Humanities and Social Sciences	Department of Travel and Tourism	Tourism Management
Faculty of Pharmacy		Pharmaceutical Sciences
Faculty of Commerce & Management	MBA	Fintech Public Policy & Administration Healthcare Management Leadership Strategy Agri Business Management Customer Relationship Management Digital Marketing Project Management Services Management
	BBA	Environmental Economics and Sustainable Development Family Business
School of Art & Design		Design Thinking & Innovations
Faculty of Media and Communication	Department of Communication Studies	Media Omnibus

11 | STUDENT ACTIVITIES

11.1. STUDENTS STRENGTH

Government of Maharashtra Audit Report AY 2022-23 (Point No-1)

Academic Year	Total New Admitted Students	Backward Class Students		Domicile Students	
	Number	Number	%	Number	%
2017	273	38	14	252	92
2018	804	143	18	700	87
2019	998	151	15	861	86
2020	1011	212	21	885	88
2021	1259	250	20	1119	89
2022	1623	390	24	1444	89

11.2 SCHOLARSHIPS AWARDED TO STUDENTS

Government of Maharashtra Audit Report AY 2022-23- Scholarships

Academic Year	No. of Students	Amount of Scholarship
2017	48	3,165,000
2018	8	350000
2019	26	968250
2020	43	1591000
2021	114	3391500

11.3 STUDENTS ACHIEVEMENTS (ACADEMICS, SPORTS, EXTRA-CURRICULAR)

1. **Raman Kumar and Sachin Shinde won the Ideation 2.0 competition by SSR Management Institute, Silvassa.**

STUDENT COMPETITION FOR BTRLYF MODEL CALIBRATION

WINNERS:
- **Gaurav Firodiya: $200 vouchers**
- **Suyash Sabnis: $200 vouchers**

AWARD FOR BUILDING DATA TOOL CREATION:
- **Aqueel Kadri: $100 vouchers**

SPECIAL MENTION:

Faculty team (Dr Kailash and Ms Maya) and internship team, Vishwakarma University, Pune, India

Congratulations
On winning the
International Student Competition for BtrLyf Model Calibration
Conducted by Qi Square, Singapore using BtrLyf

Special thanks to the faculty team
(Prof. Dr. Kailas Patil and Mrs. Maya Kurulekar)

Winners

Gaurav Firodiya (Architecture) Won vouchers worth $200

Suyash Sabnis (Mechanical Engineering) Won vouchers worth $200

Aqueel Kadri (Computer Engineering) Won vouchers worth $100

11.4 NSS AND OTHER ACTIVITIES

1. Ambedkar Jayanti Celebrated by NSS students.

On the occasion of the 131st birth anniversary of Dr. Babasaheb Ambedkar, the National Service Scheme (NSS) of Vishwakarma University, Pune is organizing a guest session on the theme of "The place of Dr. B.R. Ambedkar in Modern Indian Political Thought" by Prof. Sarika Sagar, Dean-in-charge, Department of Law, Vishwakarma University.

2. Vegan Outreach India webinar with the NSS students on Food-Planet-Health Impact of food on animals and the planet.

3. SWASTHA BALAK BALIKA SPARDHA-

A Letter was received from Directorate of NSS, New Delhi along Communication from Secretary Ministry of Women & Child Development, GOI, and dated 14th December, 2021 and also by the Ministry of Women & Child Development to organize Swatha Balak Balika Spardha to mobilize sustained community participation for health and nutrition issues across the country from 8th to 10th January, 2022. In this regard our NSS Team was requested to conduct the Swasth Balak- Balika Spardha by organizing various activities on the subject and send a consolidated report.

3-DAY EVENT PROPAGANDA: The Department of Social Welfare, in collaboration with line departments and stakeholders, will organise "Swastha Balak Balika Spardha", or "Healthy Child Competition", a nationwide weight and height measurement campaign to promote the value of nutrition and good health of children below six years from January 8 to 14. Parents and guardians are encouraged to visit their nearest Anganwadi centre, hospitals, health centres or any designated locations to know their child's nutritional status by measuring their weight and height.

• Poster Making Competition
Theme: Suposhit Bharat during Covid-19 Pandemic
• Guest session by a Nutritionist and Naturopathy specialist
• Slogan writing competition
Theme: "Suposhit Bharat: Encouraging healthy India, Fit India"

• CERTIFICATION WEBINAR •

FOOD-PLANET-HEALTH

NSS Unit of Vishwakarma University, Pune
Organizes a Webinar with
Vegan Outreach

25th April 2022 | 4:30 pm - 5:45 pm (IST)

Prof. Siddhi Singh, Programme Officer, NSS, Vishwakarma University.

Speaker: Astha Gupta, Outreach Coordinator at Vegan Outreach, India

Prof. Kailas Bhosale, Programme coordinator, NSS, Vishwakarma University

4. The **BLOOD DONATION EVENT** was organized at **ADINATH SOCIETY, SATARA ROAD PUNE** from 8:00am to 4:00pm. Flexes, Posters and Google forms were circulated amongst people three days after the event. There were a total of 5 flexes. The flexes were placed at 7 loves Chowk, Suyog Center Chowk, Gangadham Chowk, City Pride Chowk and at Adinath society. Posters and google form were digitally circulated amongst the people.

There were a total of 15 volunteers from the Foodies Club.

At the entrance the donors filled the 'DONORS REGISTRATION FORM '. The donors then proceeded towards a hemoglobin test and blood pressure checkup. On the consultancy of the doctors, the donors then donated their blood.

There were a total 60 Donors.

OUR SPONSORS:

• Grace of cows

• Malpani's bake-lite

• Venture steels pvt.ltd.

DETAILS OF THE COLLABORATING ORGANIZATION:

The organization that collaborated is Anandrishiji Blood Bank. There were 2 doctors and 13 nurses. The donors were supposed to show their vaccination certificate according to the covid Protocol. The donors were felicitated with the certificate and return gift (Water Bottle).
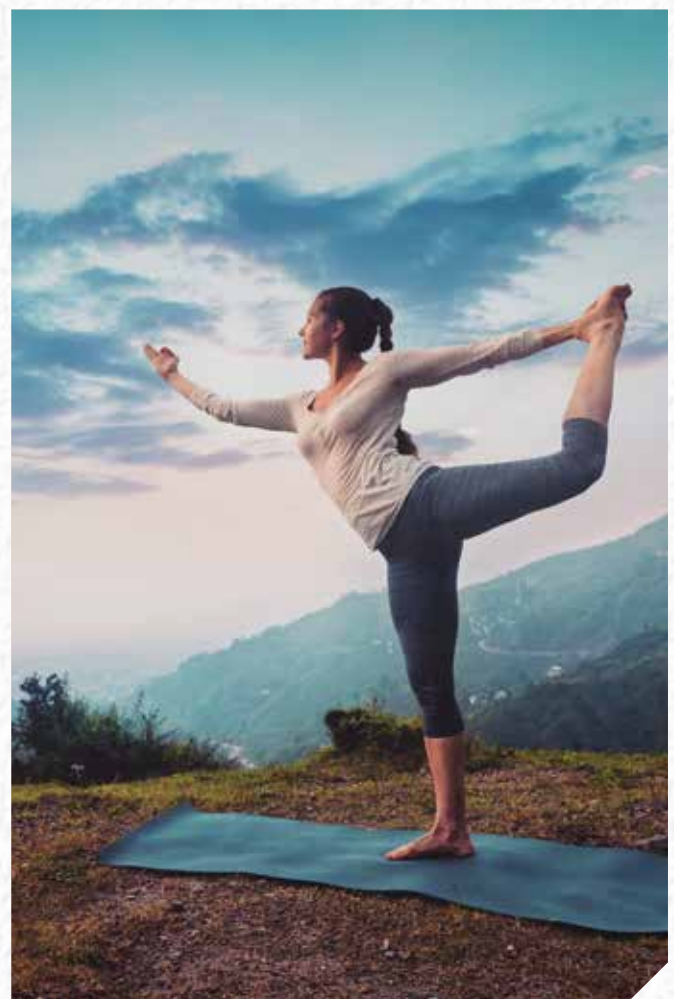
12 | ACTIVITIES UNDERTAKEN TO ENHANCE ACADEMIC PERFORMANCE OF THE STUDENTS.

12.1 GUEST SESSIONS

Guest sessions on "Western Music" by Prof. Karl Lutchmayer, UK
Guest session by celebrated percussionist Pt.Tanmoy Bose
Dr. Enrique Camara's sessions on Ethnomusicology
Guest session by G.Sathyasai on Carnatic rhythm
Guest session by Dr. Dattatraya Velankar
Session by Klaus Graf Quartet, Germany
online interaction with Dr.L.Subramaniam & Mrs. Kavita Krishnamurti
Guest session by G.Sathyasai & Radhakrishnan N Carnatic rhythm
Online guest session by Roshan Singh Chabbra
Guest session by Mrs. Sukesha Satavalekar on Dietary approaches for Weight Management
A guest session my Mr. Yash Agarwal on NPL
A guest session by Ms. Kavita Patharkar on Business Etiquettes.
A guest session by Dr. Anil Bankar on Medical Tourism-Prospects and Opportunities.
A guest session by Dr. Meenakshi Deodhar on 'size reduction'.
A guest session by Ms Pranalini Joshi on Fundamentals of Blockchain Technology
A guest session by Nitin Anekar on Exoskeleton on human body.
A guest session by Prof. Smita koppal, IMCC on Gender Equality.
A guest session by Dr Mayur Kardile on Applications of IPR (Patents) in Pharmaceutical Industry.
A guest session by Ms Aishwarya Kashelkar on 'Strategy for GAPAT & NIPER'
A guest session by Mr Sachin Chirmade on 'Current Scenario of Drug Regulatory Affairs in Pharmaceutical Industry'

12.2 FACULTY CAPACITY BUILDING PROGRAMMES

1. **Harvard Business School Certificate Course**

   The Students and faculty members were offered Harvard Business School Certificate course licenses.

List of Participants HBS Online Course Registration

1	David Ninan	Ninan	Credential of Readiness (CORe)	Student
2	Abbas	Dairkee	Entrepreneurship Essentials	Student
3	Umesh	Patwardhan	Leadership Principles	Faculty
4	Yuvraj	Lahoti	Disruptive Strategy	Faculty
5	Jayashree	Vispute	Leadership Principles	Faculty
6	Rahul	Waghmare	Entrepreneurship Essentials	Faculty
7	Priya	Nakade	Management Essentials	Faculty

8	Chetan	Kapadnis	Strategy Execution	Faculty
9	Amol	Randive	Strategy Execution	Faculty
10	Shweta	Kishore	Disruptive Strategy	Faculty
11	Pashmina	Doshi	Leading with finance	Faculty
12	Aishwarya	Khadse	Disruptive Strategy	Faculty
13	Siddharth	Jabade	Strategy Execution	Faculty
14	Rohit	Kurapatti	Leading with Finance	Student
15	Janavi	Kalekar	Leading with Finance	Student
16	Pratik	Shaha	Leading with Finance	Student
17	Sweta	Iyer	Leading with Finance	Student
18	Vinay	Sancheti	Leading with Finance	Student
19	Najm Aldeen Faisal Abdullah Abdo	Alhamidi	Leading with Finance	Student
20	Shivam	Shinde	Leading with Finance	Student
21	Rachit	Zambre	Management-Essentials	Student
22	Errol	deSouza	Management-Essentials	Student
23	Shivam	Saxena	Management-Essentials	Student
24	Tanishkka	Kharadayy	Management-Essentials	Student
25	Ankita	Sangle	Negotiation mastery	Faculty
26	Abhishek	Bhosale	Global Business	Faculty
27	Ravi	Nikam	Entrepreneurship Essential	Faculty
28	Ashwini	Sonawane	Sustainable Business Strategy	Faculty
29	Sachin	Sakat	Global Business	Faculty
30	Deepashikha	Sharma	Negotiation Mastery	Faculty
31	Sushma	Gaikwad	Entrepreneurship Essentials	Industry/ Academic Collaborator
32	Radheshyam	Jadhav	Entrepreneurship Essentials	Faculty
33	Karma	Rana	Negotiation Mastery	Industry/ Academic Collaborator
34	Vidya	Bhate	Management Essentials	Faculty
35	Radhakrishna	Batule	Management Essentials	Faculty
36	Pooja	Agrawal	Management Essentials	Faculty
37	Poonam	Inamdar	Strategy Execution	Faculty
38	Yuvraj	Lahoti	Strategy Execution	Faculty
39	Mayuresh	Belsare	Business Analytics	Faculty
40	Archana	Singh	Business Analytics	Faculty
41	Omvir	Gautam	Business Analytics	Faculty
42	Maya	Kurulekar	Business Analytics	Faculty
43	Pooja	Kulkarni	Business Analytics	Faculty
44	Nazia	Wahid	Business Analytics	Faculty

45	Amruta	Haldankar	Business Analytics	Faculty
46	Yogesh	Deshpande	Business Analytics	Faculty
47	Hemant	Watve	Disruptive Strategy	Industry/ Academic Collaborator
48	Neeraj	Athalye	Disruptive Strategy	Industry/ Academic Collaborator
49	Chetan	Kapadnis	Disruptive Strategy	Faculty
50	Siddharth	Jabade	Disruptive Strategy	Faculty
51	Jagadish	Tawade	Leadership Principles	Faculty
52	Shraddha	Khamparia	Leadership principles	Faculty
53	Prasad	Gokhale	Leadership principles	Faculty
54	Abhay	Chavan	Disruptive Strategy	Faculty
55	Niranjan	Kulkarni	Design Thinking and Innovation	Faculty
56	Kailas	Patil	Design Thinking and Innovation	Faculty
57	Unmesha	Patil	Design Thinking and Innovation	Faculty
58	Sarika	Sagar	Global Business	Faculty
59	Bhupender	Singh	Leadership principles	Faculty
60	Ankita	Sangle	Leadership principles	Faculty
61	Aarti	Suryawanshi	Leadership principles	Faculty
62	Makarand	Puri	Leadership principles	Faculty
63	Shraddha	Jadhav	Leadership principles	Faculty
64	Anupriya	Varshney	Leadership Principles	Student
65	Nimisha	Doshi	Leadership Principles	Student
66	Neha	Sawant	Leadership Principles	Student
67	Khushi	Shah	Leadership Principles	Student
68	Riya	Firodiya	Global business	Student
69	Payal	Durve	Sustainable Business Strategy	Student
70	Maahi	Deshmukh	Entrepreneurship Essentials	Student
71	Mahua	Pandharpur	Negotiation Mastery	Student
72	Akshay	Talbar	Negotiation Mastery	Student
73	Vaibhav	Thakare	Negotiation Mastery	Faculty
74	Madhavi	Dachawar	Negotiation Mastery	Faculty
75	Pratik	Dhamal	Management Essentials	Faculty
76	Karan	Jagtiani	Leading with Finance	Student
77	Saniya	Inamdar	Business Analytics	Student
78	Priyanka	Telang	Business Analytics	Student
79	Manjiri	Jumde	Leading with Finance	Student
80	Juhi	Tiwari	Leading with Finance	Student

81	Siddharth	Jabade	Global Business	Faculty
82	Abdulhasnain	Akodiyawala	Alternative Investments	Student
83	Siddhiie	Kapshikarr	Entrepreneurship Essentials	Student
84	Sharvari	Patil	Disruptive Strategy	Student
85	Nalini	Naik Nimbalkar	Leadership principles	Faculty
86	Mukta	Shirke	Leadership principles	Faculty
87	Chetan	Kapadnis	Sustainable Business Strategy	Faculty
88	Yuvraj	Lahoti	Sustainable Business Strategy	Faculty
89	Sukanya	Kulkarni	Leadership Principles	Faculty
90	Sarvesh	kharade	Leadership Principles	Student
91	Ruchira	Bartake	Organizational Leadership	Faculty
92	Avadhut	Atre	Design Thinking and Innovation	Faculty
93	Chetan	Kapadnis	Management Essentials	Faculty

2. A faculty capacity Development Programme was organised for the faculty members of Art and Design on 11th March 2023. The resource persons for the FCDP were eminent professors from Nanyang Institute of Technology, Singapore.

a. Prof. Peer M Sathik, Associate Professor of School of Art Design and Media, Associate Chair (academic) of the school, Director of the Centre for Asian Art and Design, NTU Singapore.

b. Prof. Gray Hodgkinson, Associate Professor - Animation at Art, Design and Media, Nanyang Technological University, Singapore.

NTU PHILOSOPHY

Improve the existing
Build verticals to the majors
What IS

Research Opportunities

Improvement Opportunities

What COULD
What if you were: the Royal College of Art? MIT Media Lab?

New Development Opportunities

What IF
Build on emerging trends in the majors- Transdisciplinarity Countries growth and expected trends Indian and international market and demand for the newly defined major

NTU COURSE PEDAGOGY

Proposed structure for a 4-year programme

Common Foundation
Core Foundation

Year 1

Year 2

Skills/ Craftsmanship
About Self Discovery

General Electives & Interest studies

Personal Expression/ Major Project
Professional Practice

Year 4

Year 3

Application/ Minor Projects
About Experimentation
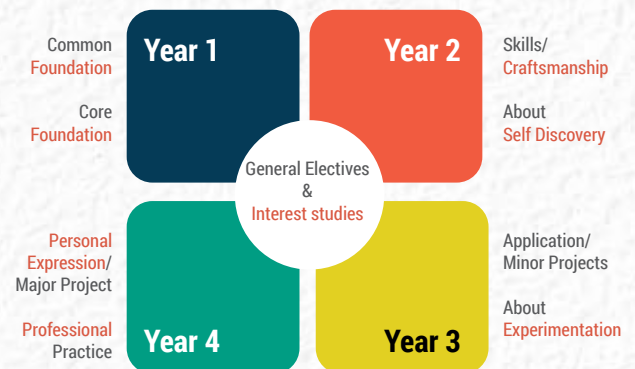
Assoc Prof Peer M Sathikh | ADM | NTU | Singapore

Proposed approach to the structure and curriculum

Foundation Center
Major Center
Major Electives
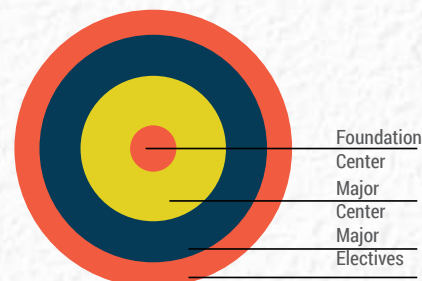
Foundation Core could be common for all programmes. Recommended to be in Semester 1 Major Core includes internships, minor and major projects. Desired skill set courses may be offered at the earlier semesters

Major Electives allows students to diversity Complex electives may be offered at later semesters General Electives included courses and compulsory national studies

is recommended that History of the Major (Design, Interior, Media, Fashion] be included in Foundation Core

Assoc Prof Peer M Sathikh | ADM | NTU | Singapore

NTU Course Structure

Towards A Structure
Some Suggestions

1	**2**	**3**	**4**
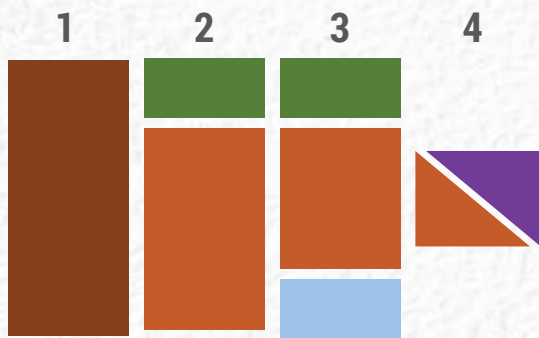
Legend:
- Common Core
- Major Core
- Major Electives
- Interdisciplinary Electives
- Final Project in Major Option
- Interdisciplinary Final Project Option

Electives means we need to have a basket of courses for students to select

Student Pathway from 1st Year - 4th Year

BLOOM'S TAXONOMY
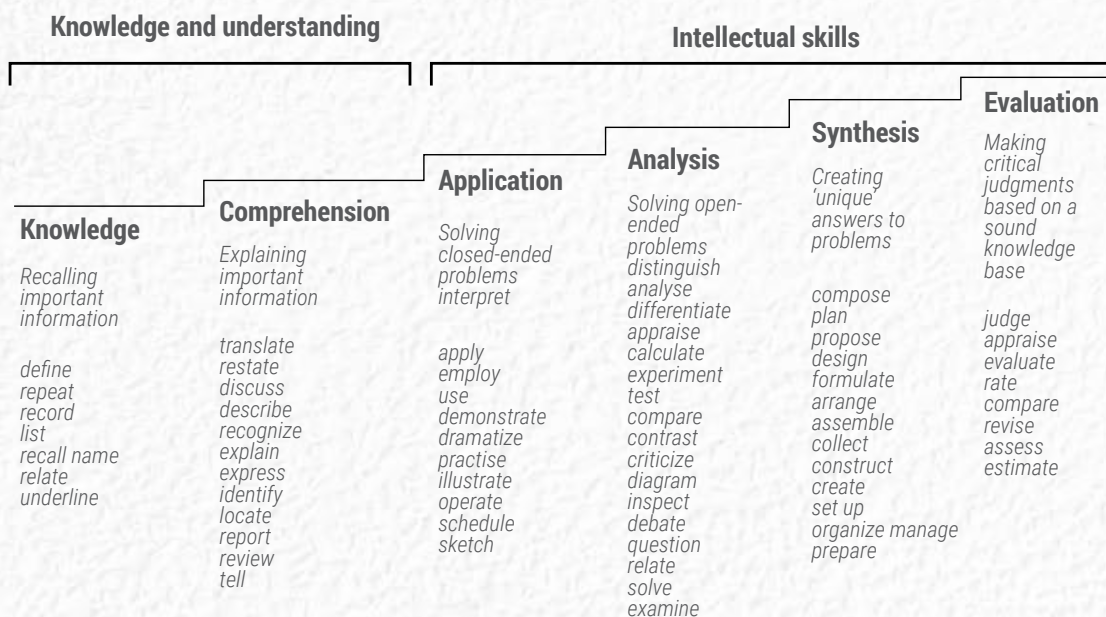
Knowledge and understanding		Intellectual skills				Highlights of the Workshop

Evaluation

Making critical judgments based on a sound knowledge base

judge
appraise
evaluate
rate
compare
revise
assess
estimate

Synthesis

Creating 'unique' answers to problems

compose
plan
propose
design
formulate
arrange
assemble
collect
construct
create
set up
organize manage
prepare

Analysis

Solving open-ended problems
distinguish
analyse
differentiate
appraise
calculate
experiment
test
compare
contrast
criticize
diagram
inspect
debate
question
relate
solve
examine

Application

Solving closed-ended problems
interpret

apply
employ
use
demonstrate
dramatize
practise
illustrate
operate
schedule
sketch

Comprehension

Explaining important information

translate
restate
discuss
describe
recognize
explain
express
identify
locate
report
review
tell

Knowledge

Recalling important information

define
repeat
record
list
recall name
relate
underline

EFFECTIVE COURSE AIMS

This foundation level course will introduce you to processes of visual storytelling, which you will then apply in the creation of an original narrative for a specific form of sequential media such as animation, sequential photography, graphic novel and video. This learning forms the foundation for further studies in visual sequential narrative media.

Audience
Talk to the reader

Purpose

Value

A SHORT AIMS WRITING EXERCISE …

Rewrite a course aim, or two, following this format. Share to chat. 15 mins.

This foundation level course will introduce you to processes of visual storytelling, which you will then apply in the creation of an original narrative for a specific form of sequential media such as animation, sequential photography, graphic novel and video. This learning forms the foundation for further studies in visual sequential narrative media.

Audience
Talk to the reader

Purpose

Value

FORMAT FOR LEARNING OUTCOMES

Outcomes can be ordered by learning purpose.
Each outcome should assess a learning purpose - a different cognitive or creative outcome.

Learning purpose	The activity the student performs
Research	Describe, identify, collate, report, evaluate
Develop	Skills, technique, process, method, reflect
Apply	Task, problem, purpose, production
Present	Communicate, pitch, argue,
Participate	Contribute, discuss, critique, collaborate

A LEARNING OUTCOMES WRITING EXERCISE ...

Write five learning outcomes for one of your courses. Share to chat. 30 mins.

Example

On successful completion of this paper the student should be able to:

1. Identify and analyse advanced techniques used to convey narrative in sequential imagery.

2. Demonstrate fluency with advanced techniques required to create visual storytelling.

3. Apply a complex sequential narrative to a selected media format.

4. Present and critically evaluate work in a clear and concise manner.

5. Contribute to the learning environment by participating positively and critically to class discussion, critiques and activities.

12.3 FACULTY DEVELOPMENT PROGRAMME AND WORKSHOPS ATTENDED BY FACULTY

Sr. No.	Name of the Faculty	Topic	Organising Institution	Duration of FDP
1	Dr. Mamoon Rashid	Recent Trends and Challenges in Image Processing and Computer Vision- ATAL Academy	Guru Govind Singh IP University	4 Days
2	Dr. Mamoon Rashid	Emerging Trends in Data Science	MJP Rohilkhand University	4 Days
3	Dr. Ruchira Kedar	Education 4.0	Ramanujan College University of Delhi	6 Days
4	Prof. Noshir Tarapore	Recent Trends in Data Analytics and Machine Learning	Vishwakarma University, Pune	7 days
5	Prof. Nisha Kandekar	Systematic Literature review and Meta Analysis	Vishwakarma University, Pune	2 days
6	Prof. Nisha Kandekar	Advanced Concepts of Outcome based Education	Inpods	1 day
7	Prof. Nisha Kandekar	Applying Design Thinking Principles	Vishwakarma University, Pune and Binghamton University, New York.	1 day
8	Prof. Siddhi Singh	Certification in Criminal Litigation and Trial Advocacy.	The West Bengal University of Judicial Science.	-
9	Prof. Siddhi Singh	Operation of Underprivileged class in Criminal Cases.	Symbiosis Law School, Hyderabad	1 day
10	Prof. Siddhi Singh	Innovative Teaching Learning Pedagogy using ICT tools.	Vishwakarma University, Pune	1 day

Sr. No.	Name of the Faculty	Topic	Organising Institution	Duration of FDP
11	Prof. Siddhi Singh	MOOCs and E-Leaning in the Context of National Education Policy	Delhi School of Public Policy and Governance and National Law University and Judicial Academy Assam.	6 days
12	Prof. Siddhi Singh	International Workshop on Research and Law	Stayabhama Institute of Science and Technology	1 day
13	Prof. Siddhi Singh	Panel Discussion on Era of Digitization: Rights and Challenges	Symbiosis Law School, Hyderabad	-
14	Prof. Siddhi Singh	IPR Awareness	National Intellectual Property Awareness Mission, Gov. of India	1 day
15	Prof. Siddhi Singh	Religious Freedom under Constitution of India	Aligarh Muslim University	1 day
16	Prof. Siddhi Singh	Workshop on Gender Jurisprudence in India	Gujarat National Law University	8 days
17	Prof. Siddhi Singh	Panel Discussion on Global Textile and Apparel sector: The Diminishing rights of artisans amidst fast-paced changing world.	Symbiosis School of Law, Hyderabad	1 days
18	Prof. Amrita Thakur	TB Awareness campaign	National TB Eradication Programme	1 day
19	Prof. Amrita Thakur	Teaching -Learning: From Micro-teaching to Peer Learning	Ramanujan College, Delhi	7 days
20	Prof. Amrita Thakur	Emerging Trends in Pharmaceutical Research.	Vishwakarma University, Pune	3 days
21	Prof. Amrita Thakur	3-D Printing in Pharmaceutical and Medical Applications	AICTE, Delhi	2 days
22	Dr. Omvir Gautam	Business Plan Development for early stage Start-up	CMR Institute of Technology, karnataka	16 days
23	Dr. Omvir Gautam	Workshop on advanced research methodology	Government Of Maharasthra's Sydenham Institute Of Management Studies Research And Entrepreneurship Education	4 days
24	Dr. Omvir Gautam	Systematic Literature Review and Meta-analysis	Vishwakarma University, Pune	2 days
25	Prof. Mrudula Risbud	Research Methodology	Ramanujan College, Delhi	14 days
26	Prof. Mrudula Risbud	Revisiting HR for Academic Excellence	Vishwakarma University, Pune	5 days
27	Dr. Pooja Agrawal	Systematic Literature Review and Meta-analysis	Vishwakarma University, Pune	2 days
28	Dr. Pooja Agrawal	Research Methodology	D Y Patil School of Management, Pune	4 days
29	Dr. Pooja Agrawal	Business Plan Development for early stage Start-up	CMR Institute of Technology, karnataka	16 days
30	Prof. Mrunalini Kulkarni	TB Awareness campaign	National TB Eradication Programme	1 day
31	Prof. Mrunalini Kulkarni	Developing Excellence in Research & Academic Leadership" Opportunities and Challenges	AICTE Sponsored Short Term Training Program (Online) Marathwada Mitra Mandal's College of Pharmacy, Pune	6 days
32	Prof. Mrunalini Kulkarni	Computational Tools For Pharmaceutical Development	AICTE Sponsored Short Term Training Program (Online) Manipal College of Pharmaceutical Sciences	6 days
33	Prof. Mrunalini Kulkarni	Role of National Education Policy for National Development	Navsahyadri Institute of Pharmacy	1 day

Sr. No.	Name of the Faculty	Topic	Organising Institution	Duration of FDP
34	Prof. Mrunalini Kulkarni	Role of National Education Policy for National Development	Babasaheb Ambedkar Technological Institute	1 day
35	Prof. Mrunalini Kulkarni	NBA Accreditation and Quality Management	Shrinath College of Pharmacy, Aurangabad	3 days
36	Prof. Trupti Shinde	Recent trends in Data Analytics and Machine Learning	Vishwakarma University, Pune	4 days
37	Prof. Trupti Shinde	R for Beginners	Vishwakarma University, Pune	4 days
38	Prof. Trupti Shinde	Emerging smart Computing and Informatics	AISSMS Institute of Technology	3 days
39	Prof. Akash Alegaonkar	Design Thinking to Nurture Creativity and Innovation leading to Entrepreneurship	D Y Patil Institute of Management and Research	4 days
40	Prof. Akash Alegaonkar	Product Design	NITTR, Kolkata	4 days
41	Dr. Padmaja Kathikar	E-content Development and Course Design	University of Calicut	6 days
42	Dr. Padmaja Kathikar	IP Awareness	NIPAM, India	1 day
43	Prof. Aishwarya Khadse	Teaching Indian Architectural History	Council of Architecture	4 days
44	Prof. Aishwarya Khadse	Provisions of Energy Conservation Building Code (ECBC)	Council of Architecture and Research Centre, Pune	4 days
45	Prof. Shweta Kishor	Research Essentials	Vishwakarma University, Pune	14 days
46	Prof. Shweta Kishor	Achieving Operational Excellence by Digital Transformation of Supply Chain	AICTE Training And Learning (ATAL) Academy	4 days
47	Prof. Shweta Kishor	Systematic Literature Review and Meta-analysis	Vishwakarma University, Pune	3 days
48	Prof. Nishant Sutare	Relevance of Outcome Based Education in Teaching, Learning and Evaluation For Social Sciences	Indian Institute of Management & Commerce	2 days
49	Prof. Nishant Sutare	Research Methodology	D Y Patil School of management	5 Days
50	Prof. Nishant Sutare	Tour Packaging Management	AICTE Training and Learning (ATAL) Academy	4 days
51	Prof. Nishant Sutare	Tour Packaging Management	Indira Gandhi National Tribal University	4 days
52	Prof. Neeta Rai	3 D Printing in Pharmaceutical and Medical Applications	Sanjivani College of Pharmaceutical Education & Research, Kopargaon	2 days
53	Prof. Neeta Rai	Emerging Trends in Pharmaceuticals	Vishwakarma University, Pune	2 days
54	Prof. Neeta Rai	First International Webinar Series on Artificial Intelligence in Drug Discovery	Shri Vile Parle Kelavani Mandal's Institute of Pharmacy, Dhule	2 days
55	Prof. Neeta Rai	Herbal Era-Role of Indian Herbal Medicine for combating Covid19: Scientific & Medical Aspects	Oriental College of Pharmacy, Bhopal	2 days
56	Prof. Neeta Rai	IP Awareness	NIPAM, India	1 day
57	Prof. Deepak Giri	Fundamentals of Extended Reality (XR) using Unity	Vishwakarma University, Pune	1 month
58	Prof. Deepak Giri	Visual Arts: Skills, Communication and Management	Dr. Vibhuti Narayan College, Varanasi.	1 day
59	Prof. Deepak Giri	Role of Faculty in Molding Students	HKBK Degree College, Banglore	3 days

Sr. No.	Name of the Faculty	Topic	Organising Institution	Duration of FDP
60	Prof. Yogesh Suryawanshi	Innovative Teaching learning Pedagogy using ICT tools	Vishwakarma University, Pune	1 day
61	Prof. Yogesh Suryawanshi	Advances in Plant Science	Modern College of Arts, Commerce and Science, Pune	2 day
62	Prof. Yogesh Suryawanshi	Values and Ethics in Research	Shri Chhatrapati College, Ahamadnagar	1 day
63	Prof. Yogesh Suryawanshi	Research Article Writing and Plagiarism	Gov. Girls College, Ujjain	1 day
64	Prof. Abhishek Bhosale	Communication for Social Change	Vishwakarma University, Pune	8 days
65	Prof. Abhishek Bhosale	Certificate in Introduction to Digital Journalism	Reuters	-
66	Prof. Anupam Tiwari	Electric Transportation Infrastructure For E-Mobility In India	National Institute of Technology, Warangal.	4 days
67	Prof. Tareek Pattewar	Innovative Teaching Learning Pedagogy using ICT Tools	Vishwakarma University, Pune	1 day
68	Prof. Tareek Pattewar	Recent Trends in Data Analytics and Machine learning	Vishwakarma University, Pune	4 days
69	Prof. Tareek Pattewar	Blockchain Technology & Its Applications	Malviya National Institute Of Technology, Jaipur	4 days
70	Prof. Tareek Pattewar	A MOOC course on Blockchain Essentials	cognitiveclass.ai Powered by IBM Developer Skills Network.	-
71	Prof. Tareek Pattewar	A MOOC course on Build an IoT Blockchain Network for a Supply Chain	cognitiveclass.ai Powered by IBM Developer Skills Network.	-
72	Prof. Tareek Pattewar	A MOOC course on IBM Blockchain Foundation Developer	cognitiveclass.ai Powered by IBM Developer Skills Network.	-
73	Prof. Tareek Pattewar	A MOOC course on Introduction to Machine Learning with Sound	cognitiveclass.ai Powered by IBM Developer Skills Network.	-
74	Prof. Tareek Pattewar	Webinar on Intellectual Property Rights	MSME-DI, Indore	1 day
75	Dr. Om M. Bagade	Nano Formulation based Drug delivery System	Datta Meghe College of Pharmacy, Wardha	1 day
76	Dr. Om M. Bagade	Recent Health Care Technologies	Vivekanand Education Society's College of Pharmacy	1 day
77	Dr. Om M. Bagade	Emerging Trends in Pharmaceutical Research	Vishwakarma University, Pune	2 days
78	Dr. Om M. Bagade	3 D Printing in Pharmaceutical and Medical Applications	Sanjivani College of Pharmaceutical Education & Research, Kopargaon	2 days
79	Dr. Om M. Bagade	Basics of Patents and Patent Searching	S K Patil College, Ganpat University	1 day
80	Dr. Om M. Bagade	Need Of Universal Human Values Ineducation	Bharati Vidyapeeth (Deemed to be University) PoonaCollege of Pharmacy, Pune	1 day
81	Dr. Om M. Bagade	Novel Sterically Stabilized Disuphide Linkers for gene Therapy & Peptide Drug Delivery.	IPA Narsapur	1 day
82	Dr. Om M. Bagade	Nutraceuticals: A revolution of Traditional Food into Disease preventers/ Health promoters	Pulla reddy Institute of Pharmacy, Hyderabad	1 day
83	Dr. Om M. Bagade	IPR: Patents and Designs	Rajashri Shahu College of Pharmacy, Buldhana	1 day
84	Dr. Om M. Bagade	Recent Advances in Toxicogenomics in Herbal Medicines in India	Rajashri Shahu College of Pharmacy, Buldhana	1 day

Sr. No.	Name of the Faculty	Topic	Organising Institution	Duration of FDP
85	Dr. Om M. Bagade	IP Awareness	NIPAM, India	1 day
86	Dr. Om M. Bagade	Induction of Novice Pharma Academicians	Tatyasaheb College of Pharmacy, Warnanagar	1 week
87	Dr. Om M. Bagade	MOOC on Industrial Pharmacy-I	Swayam Online HNB Garhwal University	-
88	Prof. Poonam Taru	Herbal medicine: Research & Global Health	K T Patil College of Pharmacy, Osmanabad	1 Week
89	Prof. Poonam Taru	Emerging Trends in Pharmaceutical Research	Vishwakarma University, Pune	2 days
90	Prof. Poonam Taru	TB Awareness campaign	National TB Eradication Programme	1 day
91	Prof. Pallavi Dhekale	Educational programme for Pharmacy Teachers on Orientation of Recently Admitted Students	Shahu College of Pharmacy, Buldhana	1 week
92	Prof. Pallavi Dhekale	Developing Excellence in Research & Academic Leadership" Opportunities and Challenges	MMCOP, Pune	1 week
93	Prof. Pallavi Dhekale	Outcome based Teaching, Assessment and Evaluation	NBN Sinhgad College of Engineering	1 day
94	Prof. Pallavi Dhekale	Emerging Trends in Pharmaceutical Research	Vishwakarma University, pune	2 days
95	Dr. Supriya Lakhangaonkar	FinTech: Innovation and Transformation in Financial Market & Investment Strategies	IPS Academy, Institute of Management and research	2 days
96	Dr. Supriya Lakhangaonkar	Productivity Enhancement	North-Eastern Hill University	4 days
97	Dr. Supriya Lakhangaonkar	Social Enterprise Management	National Institute of Technology Jamshedpur	4 days
98	Dr. Supriya Lakhangaonkar	Identifying Fake, Cloned and Predatory Journals	Dr. D. Y. Patil Institute of Management & Research	1 day
99	Dr. Supriya Lakhangaonkar	Research Paradigms	St.Francis College, Koramangala, Bengaluru	1 week
100	Dr. Supriya Lakhangaonkar	MOOC on Business Ethics	NPTEL	-
101	Dr. Supriya Lakhangaonkar	MOOC on Leadership and Team Effectiveness	NPTEL	-
102	Dr. Supriya Lakhangaonkar	Research Essentials	Vishwakarma University, Pune	14 Days
103	Dr. Supriya Lakhangaonkar	Managing Online Classes & Co- creating MOOCS 11.0	Ramanujan College University of Delhi	14 days
104	Dr. Supriya Lakhangaonkar	Research Methodology	Ramanujan College University of Delhi	14 days
105	Dr. Supriya Lakhangaonkar	Role of ICT in Teaching- Learning Process	Sanjivani College of Engineering, Kopargaon	5 days
106	Dr. Supriya Lakhangaonkar	Outcome based Teaching, Assessment and Evaluation	NBN Sinhgad College of Engineering	1 day
107	Dr. Supriya Lakhangaonkar	Systematic Literature Review and Meta-analysis	Vishwakarma University, Pune	2 days
108	Dr. Neha Munot	Advanced Concepts of Outcome based Education	inPods	4 days
109	Dr. Rahul Waghmare	Business Strategies to Drive Growth in the New World	All India Management Association	1 day
110	Dr. Rahul Waghmare	Leveraging Design Thinking for Innovation	International Management Institute Kolkata.	4 days

Sr. No.	Name of the Faculty	Topic	Organising Institution	Duration of FDP
111	Dr. Rahul Waghmare	Innovation Ambassador training (Advanced Level)	MoE's Innovation Cell & AICTE	1 month
112	Dr. Rahul Waghmare	Revisiting HR for Academic Excellence	Vishwakarma University, Pune	4 days
113	Prof. Kavita Kumavat	Jetking Fdp - 2021 On Aws Cloud	National Skill Development Cooperation	2 days
114	Prof. Kavita Kumavat	Innovative Teaching Learning Pedagogy using ICT Tools	Vishwakarma University, Pune	1 day
115	Prof. Kavita Kumavat	Digital Forensic Trends	National Forensic Sciences University	4 days
116	Prof. Kavita Kumavat	Machine Learning and It's Applications	NITTTR, Kolkata	4 days
117	Prof. Kavita Kumavat	R for Beginners	Vishwakarma University, Pune	4 days
118	Dr. Poonam Inamdar	Effective OBE Implementation using Learning Management System	Government Polytechnic, Jalgaon	4 days
119	Dr. Poonam Inamdar	Emerging Trends in Drug Engineering	Prin. K.M.Kundnani college of Pharmacy	4 days
120	Dr. Poonam Inamdar	Outcome based Teaching, Assessment and Evaluation	NBN Sinhgad College of Engineering	1 day
121	Dr. Poonam Inamdar	Managing Online Classes & Co- creating MOOCS 4.0	Ramanujan College University of Delhi	14 days
122	Dr. Poonam Inamdar	Effective Teaching, Learning pedagogy and Research Skill Development	P E S Modern College of Pharmacy, Pune	5 day
123	Dr. Poonam Inamdar	Advancing Drug Delivery, Development, Therapy and research informatics.	IPT and AICTE	4 days
124	Prof. Shruti Das	Online Refresher Course	The Central Institute of Higher Tibetan Studies (Deemed University),Sarnath,Varanasi	15 Days
125	Prof. Sabeena Hussain Syed	Translating Pharmacognosy Knowledge into Health Care Systems	KLE College Of Pharmacy Hubli.	4 days
126	Prof. Sabeena Hussain Syed	TB Awareness campaign	National TB Eradication Programme	1 day
127	Prof. Sabeena Hussain Syed	Open Source Tools For Research	Ramanujan College University of Delhi	6 days
128	Prof. Sabeena Hussain Syed	Emerging Trends in Pharmaceutical Research	Vishwakarma University, Pune	2 days
129	Prof. Supriya Unavane	TB Awareness campaign	National TB Eradication Programme	1 day
130	Supriya Ashutosh Unavane	Induction/Orientation Programme	Ramanujan College University of Delhi	4-Week
131	Supriya Ashutosh Unavane	Emerging Trends in Pharmaceutical Research	Vishwakarma University, Pune	2 days
132	Ar. Shreyas Paranjape	Sustainable Development Goals – 11: Indian Heritage	COA- TRC Bhopal & PMCA, Cuttack, Orissa Organizing National Online Short Term Training Program	4 days
133	Prof. Nikita Hanche	Innovative Teaching Learning Pedagogy using ICT Tools	Vishwakarma University, Pune	1 day
134	Prof. Nikita Hanche	Research Methods in Art, Design and Architecture.	Chitkara University	1 day
135	Prof. Reshma Pise	Bootcamp on Deep Learning using MATLAB	Pantech e-Learning	5 Days

Sr. No.	Name of the Faculty	Topic	Organising Institution	Duration of FDP
136	Prof. Reshma Pise	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	4 days
137	Dr. Neerja Aswale	Design thinking	VIT, Vellore.	4 Days
138	Dr. Neerja Aswale	Emotional Intelligence	St. Martin's Engineering College	4 days
139	Dr. Neerja Aswale	Different Hypothesis Test using Excel	Star Research Association	2 days
140	Dr. Neerja Aswale	Stress-management	Government College Of Engineering Srirangam.	4 Days
141	Dr. Neerja Aswale	Introduction to Recruitment Analytics	TurnIP	1 day
142	Prof. Rahul Honrao	Advanced Concepts of Outcome based Education	InPods	1 day
143	Prof. Yogesh Desale	Workshop on Best Practices of Literature Search	Indira College	1 day
144	Prof. Yogesh Desale	Data Analytics in Business Research - Open Source	Babasaheb Bhimrao Ambedkar University	4 days
145	Prof. Yogesh Desale	Research Methodology	Dr D Y Patil Institute of Management & Research, Pimpri.	4 days
146	Prof. Yogesh Desale	Research Methodology And Elaborating New Trends in Image Processing	Sinhgad Institute of Business Administration and Research	2 days
147	Prof. Yogesh Desale	Design Thinking to nurture Creativity and Innovation leading to Entrepreneurship	Dr D Y Patil Institute of Management & Research, Pimpri.	4 days
148	Prof. Yogesh Desale	Financial Modelling Using Excel	Viveknand Education Society Business School	4 days
149	Prof. Yogesh Desale	Systematic Literature Review and Meta-analysis	Vishwakarma University, Pune	2 days
150	Prof. Aarti Suryawanshi	Protection and Management of Indian Heritage Assets: Key Aspects & Challenges	Department of Tourism & Hospitality Management, Mizroam University.	4 days
151	Dr. Vidya Bhate	Mini Symposium On Effective Practices In Teaching-Learning Organized	Indo Universal Collaboration For Engineering Education (Iucee)	2 days
152	Dr. Vidya Bhate	NEP 2020: Role of Private Sector in Effective Implementation	Education Promotion Society of India	1 day
153	Dr. Vidya Bhate	R for Beginners	Vishwakarma University, Pune	5 days
154	Dr. Vidya Bhate	Induction/Orientation Programme	Ramanujan College University of Delhi	4-Week
155	Dr. Bhupendra Singh	R for Beginners	Vishwakarma University, Pune	5 days
156	Dr. Bhupendra Singh	Systematic Literature Review & Meta-analysis	Vishwakarma University, Pune	2 days
157	Dr. Bhupendra Singh	Induction/Orientation Programme	Ramanujan College University of Delhi	4-Week
158	Prof. Sukanya Kulkarni	Research Essentials	Vishwakarma University, Pune	2 weeks
159	Prof. Sukanya Kulkarni	Induction/Orientation Programme	Ramanujan College University of Delhi	4-Week
160	Prof. Sukanya Kulkarni	Systematic Literature Review & Meta-analysis	Vishwakarma University, Pune	2 days
162	Dr. Archana Singh	International e-workshop on Data Processing Techniques	Symbiosis Institute of Computer Studies & Research	1 Week
163	Dr. Sukhdeo Ingale	Research Methodology for Qualitative and Quantitative Data Analysis	Eudoxia, USA	1 week
164	Dr. Sukhdeo Ingale	Capacity BuildingProgramme (Online) on Research Methodology	Himachal Pradesh National LawUniversity, Shimla	2 Week
165	Dr. Sukhdeo Ingale	E-content Development and Content Design	University of Calicut	1 week

Sr. No.	Name of the Faculty	Topic	Organising Institution	Duration of FDP
166	Dr. Sukhdeo Ingale	Authorship, Research Methodology and Scopus Free Publication Process	Eudoxia, USA	1 week
167	Dr. Sukhdeo Ingale	Law-Internal Security- Social Sciences	Rashtriya Raksha University	5 days
168	Dr. Bharti Ainapure	R Software for Statistics	NPTEL-AICTE	3 Months
169	Dr. Bharti Ainapure	Bootcamp on Deep Learning using MATLAB	Pantech e-Learning	5 Days
170	Dr. Bharti Ainapure	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	4 days
171	Prof. Madhavi Dachawar	Innovative Teaching Learning Pedagogy using ICT Tools	Vishwakarma University, Pune	1 day
172	Prof. Madhavi Dachawar	Recent Trends in Data Analytics and Machine learning	Vishwakarma University, Pune	4 days
173	Prof. Sarika Sagar	Introduction to International Humanitarian Law (IHL)	Kaya Humanitarian Leadership Academy	-
174	Prof. Vijaya Hake	Amalgam 2.0	BIMTECH	-
175	Prof. Vijaya Hake	Research Indicator and Publishing Ethics	Skyline University, Nigeria	1 day
176	Prof. Sandeep Kapse	Outcome based Teaching and Assessment	InPods	3 day
177	Prof. Sandeep Kapse	Research Methodology	D Y Patil School of Management, Pune	4 days
178	Prof. Sandeep Kapse	Teaching, learning and Research Pedagogy for Excellence in Education	St. Joseph's College, Pune	5 Days
179	Prof. Sandeep Kapse	Integrated Learning and NEP 2020	St. Francis De Sales College, Bengaluru	6 days
180	Prof. Sandeep Kapse	NAAC Revised guideline	Career College, Bhopal	7 days
181	Prof. Sandeep Kaps	Skill India and Entrepreneurship Development	Government College of Commerce and Science, Goa	1 day
182	Prof. Sandeep Kapse	Systematic Literature Review and Meta-analysis	Vishwakarma University, Pune	2 days
183	Prof. Sandeep Kapse	Innovative Teaching Learning Pedagogy using ICT Tools	Vishwakarma University, Pune	1 day
184	Prof. Remi Thomas	R for Beginners	Vishwakarma University, Pune	4 days
185	Prof. Remi Thomas	Business Case Writing	SGT University, Delhi	2 days
186	Prof. Remi Thomas	Case Study Writing	Emerald Publications	1 day
187	Prof. Remi Thomas	Academic Research in Travel and Tourism	Amity University	5 days
188	Prof. Remi Thomas	Tour Packaging Management	AICTE Training and Learning (ATAL) Academy	4 days
189	Prof. Remi Thomas	Leadership & Excellence in Professional Education	Indian Institute of Foreign Trade (IIFT), New Delhi	4 days
190	Prof. Remi Thomas	National Education Policy 2020	Guru Gobind Singh Indraprastha University	5 days
191	Prof. Remi Thomas	Advanced Concepts of Outcome based Education	InPods	1 day
192	Prof. Remi Thomas	"Research Methodology and Data Analysis (Sharpening Skills through MSExcel, SPSS, MATLAB & R	Ramanujan College University of Delhi	11 days
193	Prof. Remi Thomas	Academic Bank of Credits (ABC) Scheme in Higher Education, UGC Regulation, 2021 (With reference to Blended Learning	Ramanujan College University of Delhi	11 days
194	Prof. Remi Thomas	Global Collaborations in Science, Technology, Education, Mathematics & Humanities to Advance the Frontiers of Knowledge & Innovation	St. Francis De Sales College, Bengaluru	1 week

Sr. No.	Name of the Faculty	Topic	Organising Institution	Duration of FDP
195	Dr. Yogesh Deshpande	Practical Data Analytics and Machine Learning:Tools and Trends	Pimpri Chinchwad College of Engineering, Pune	3 Days
196	Dr. Jagdish Tawade	National Webinar on Fluid Mechanics and its applications in Engineering	PES Institute of Technology and Management, Karnataka	4 days
197	Dr. Jagdish Tawade	Appraisal of Mathematical Learning Outcomes in Cybergogy Environment	Arul Anandar College, Karnataka	2 days
198	Dr. Jagdish Tawade	Mathematics and Astronomy over the Ages	Sir M. Visvesvaraya Institute Of Technology	3 days
199	Dr. Jagdish Tawade	Modern Mathematical Tools in Calculus	Kumarguru College of Technology	5 days
200	Dr. Jagdish Tawade	Applications of Fluid Dynamics and Advanced Materials	Bheemanna Khandre Institute of Technology, Bhalki	4 days
201	Dr. Jagdish Tawade	Next Generation Electronics & Computer Networks	Bheemanna Khandre Institute of Technology, Bhalki	4 days
202	Dr. Jagdish Tawade	Mathematical Elements In Engineering And Applied Sciences (Meeas-2020)	Vidya Parishad College of Engineering for Women, Visakhapatnam.	4 days
203	Prof. Lida Sajimon	National FDP on Genome Engineering technology	Central University of Kerala.	4 days
204	Prof. Lida Sajimon	Emerging Trends in Pharmaceutical Research	Vishwakarma University, Pune	2 days
205	Prof. Sonali Botkar	Scheme of financial assistance for setting up of Electronics and ICT Academies	Ministry of Electronics and Information Technology (MeitY), Government of India	2 days
206	Prof. Ansari Jameel Ahmad Shakeel Ahmad	Tools and Techniques in Mathematical Analysis	Satyabhama Institute of Science & Technology	5 days
207	Prof. Ansari Jameel Ahmad Shakeel Ahmad	Online Modalities and Professional Communication	Jhulelal Institute of Technology	4 days
208	Prof. Sonali Manwatkar	Artificial Intelligence in Drug Design & Development : "Current & Future Perspectives"	Acharya & Bm Reddy College Of Pharmacy.	4 days
209	Prof. Sonali Manwatkar	Design Thinking : A Patient Centric Approach in Healthcare Industry	NIET, Pharmacy Institute	4 days
210	Prof. Sonali Manwatkar	Essential Tips for Publishing in High Impact Journals	Cell Press,	1 day
211	Prof. Sonali Manwatkar	IPR for Innovation and Competitiveness in Academia	D Y Patil Institute of Management Science	1 day
212	Prof. Sonali Manwatkar	Applying Design Thinking Principles – How to teach Design Thinking	Vishwakarma University, Pune	-
213	Prof. Sonali Manwatkar	Effective Teaching, Learning pedagogy and Research Skill Development	P E S Modern College of Pharmacy, Pune	5 day
214	Prof. Sonali Manwatkar	Emerging Trends in Pharmaceutical Research	Vishwakarma University, Pune	2 days
215	Prof. Sonali Manwatkar	Innovative Teaching Learning Pedagogy using ICT Tools	Vishwakarma University, Pune	1 day
216	Prof. Ankita Sangle	Innovation, Incubation, start-ups and Research Challenges in India	St. Mary's Centenary Degree College	4 Days
217	Prof. Ankita Sangle	Developing Moocs:Concepts and Tools	Ramanujan College University of Delhi	6 Days
218	Prof. Vidya Desai	Workshop on Teaching-Learning Tools	ESSGEE Digiskills	1 month
219	Prof. Madhavi Dachawar	Applying Design Thinking Principles – How to teach Design Thinking	Vishwakarma University, Pune in collaboration with Binghamton University, New York.	-
220	Prof. Swati Mutha	Effective Teaching, Learning pedagogy and Research Skill Development	P E S Modern College of Pharmacy, Pune	5 day

Sr. No.	Name of the Faculty	Topic	Organising Institution	Duration of FDP
221	Prof. Swati Mutha	SNJBPharmaCon-2021	Shriman Sureshdada Jain College of Pharmacy	3 days
222	Prof. Swati Mutha	OBE Criteria 1 of NAAC	inPod	1 day
223	Prof. Swati Mutha	Emerging Trends in Pharmaceutical Research	Vishwakarma University, Pune	2 days
224	Prof. Swati Mutha	IPR for Innovation & Competitiveness in Academia	D Y Patil Institute of Management Science	1 day
225	Prof. Swati Mutha	Innovation, Startup and Entrepreneurship Development in Pharmaceutical Development	CGRD College of Pharmacy	9 days
226	Dr. Nazia Wahid	Course On Data Processing Using Python	Indian Statistical Institute Bangalore	-
227	Dr. Nazia Wahid	Practical Data Analytics and Machine Learning:Tools and Trends	Pimpri Chinchwad College of Engineering	3 days
228	Prof. Sakshi Mathurawala	Tool Construction	Indian Teacher Education Community, Indore	7 days
229	Prof. Sakshi Mathurawala	Induction/Orientation Programme	Ramanujan College University of Delhi	4-Week
230	Prof. Sakshi Mathurawala	Systematic Literature Review and Meta-analysis	Vishwakarma University, Pune	2 days
231	Prof. Sakshi Mathurawala	R for Beginners	Vishwakarma University, Pune	4 days
232	Prof. Deepshikha Sharma	Human rights in contemporary India	Parul University	5 days
233	Prof. Deepshikha Sharma	Advanced Pedagogical Techniques	Ramanujan College University of Delhi	6 days
234	Prof. Deepshikha Sharma	Workshop on Forensic Science In Crime Investigation	Hidayatullah National Law University, Raipur	2 days
235	Prof. Deepshikha Sharma	Research Methodology	Punjabrao Deshmukh Law college, Amravati	6 days
236	Prof. Dolly Rawat	Research Methodology	Ramanujan College University of Delhi	2 weeks
237	Prof. Dolly Rawat	E-Content Development: Concepts and Tools	Ramanujan College University of Delhi	1 weeks
238	Prof. Dolly Rawat	Academic Research Writing	Ramanujan College University of Delhi	1 weeks
239	Prof. Dolly Rawat	Tool Construction	Indian Teacher Education Community, Indore	1 week
240	Prof. Dolly Rawat	Induction/Orientation Programme	Ramanujan College University of Delhi	4-Week
241	Prof. Dolly Rawat	Workshop titled SLR Meta analysis and Bibliography Research Online	Shivaji College	4 days
242	Prof. Dolly Rawat	Research Training	MSME-Technology Development Centre	9 days
243	Prof. Dolly Rawat	Data Analytics Using R	Bala's VV Academy	5 days
244	Prof. Dolly Rawat	National Webinar on Personality Development and Communication Skills	The Bhopal School Of Social Sciences, Bhopal	2 days
245	Prof. Amol Kamble	Digital Humanities	Ramanujan College University of Delhi	1 week
246	Prof. Amol Kamble	Induction/Orientation Programme	Ramanujan College University of Delhi	4-Week
247	Prof. Amol Kamble	Emerging trends in drug discovery and formulation development	KLE College of Pharmacy Belagavi.	4 days
248	Prof. Shweta Ghodake	Emerging trends in drug discovery and formulation development	KLE College of Pharmacy Belagavi.	4 days
249	Dr. Mukta Avchawat	UX Design	VIIT Alumni Association	1 day
250	Dr. Mukta Avchawat	NAAC Accreditation Framework	Symbiosis University of Applied Sciences	6 days
251	Prof. Reena Pandey	Understanding Design Thinking and People centered Design	NPTEL Online Certification	-

Sr. No.	Name of the Faculty	Topic	Organising Institution	Duration of FDP
252	Prof. Reena Pandey	Patent Search with Espacenet	Turnip	-
253	Prof. Reena Pandey	Recent Advances in Interdisciplinary Humanities	Rupkatha International Oper Conference	36 hours
254	Prof. Reena Pandey	Digitization In Fashion Industry -An Insight Into Fashion Illustrations, Pattern Making & Draping	The Technological Institute Of Textile & Sciences, Bhiwani	2 days
255	Prof. Reena Pandey	Design Aesthetics: Theory and Practice	NIFT Hyderabad.	4 days
256	Prof. Reena Pandey	Qualitative Research For Design	Manipal university, Jaipur	2 days
257	Prof. Reena Pandey	Detecting Image Manipulation: Routines, Tools & Limitations	Researcher Academy	-
258	Prof. Reena Pandey	How to design effective figures for review articles	Researcher Academy	-
259	Prof. Reena Pandey	Textile Design	Dr B R Ambedkar National Institute of Technology Jalandhar.	4 days
260	Prof. Reena Pandey	Fashion Entrepreneurship and Innovation	Amity university	4 days
261	Dr. Avadhut Atre	Covid19: Paradigm shift in Education Sector and Role of Technology	Elet Technomedia	1 day
262	Dr. Avadhut Atre	Digital marketing	North Storm	2 days
263	Dr. Avadhut Atre	Advanced Concepts of Outcome based Educatio	InPods	3 day
264	Dr. Shraddha Khamparia	Fecal Sludge Management	FSM6	-
265	Dr. Shraddha Khamparia	Comprehensive Disaster Risk Management Framework	NIDM: Resilient India	9 days
266	Prof. Maya Kurulekar	Laboratory Experiments for Wastewater Characterization	Sinhgad Institute, pune	2 days
267	Prof. Maya Kurulekar	Fluid Mechanics and Fluid Power	Indian Institute of Technology, Guwahati	1 days
268	Prof. Maya Kurulekar	Mini Symposium On Smart, Clean, Green And Sustainability	Indo Universal Collaboration For Engineering Education (IUCEE)	2 Days
269	Dr. Srinivas Chippalkatti	OBE Criterion 1 of NAAC	InPods	1 day
270 271	Dr. Srinivas Chippalkatti	Technological Advanced in Power Switching Converters for the renewable energy and Fuel Cell Technology for E-vehicles	Baptala Engineering College	4 days
272	Dr. Radhakrishna Batule	Fostering Culture of Startup, Innovation & Entrepreneurship in Academic Institutions	STEP-HBTI.	4 days
273	Prof. Debasmita Sen	Systematic Literature review & Meta Analysis	Vishwakarma University, Pune	2 days
274	Prof. Sanyog Ingale	UN: Peace, Security & Development for 21st Century	UGC: HRDC	5 days
	Prof. Sanyog Ingale	Analysis of Union Budget 2022-23	Universal School of Administration, Bengaluru	1 days
275	Prof Madhulika Mishra	Certification Programme for SAS Beginners	SAAS Programming Base	-
276	Prof. Rahul Mate	Systematic Literature review & Meta Analysis	Vishwakarma University, Pune	2 days
277	Prof. Rahul Mate	Research Essentials	Vishwakarma University, Pune	15 days
278	Prof. Rahul Mate	Recent Trends in Communication Design & Technology	Birla Global University, Bhubaneswar	1 day
279	Dr. Shrikaant Kulkarni	Health and Happiness	K J College of Engineering and Management Research, Pune	2 days
280	Dr. Shrikaant Kulkarni	Sustainability Engineering	Savitribai Phule Pune University	4 days
281	Dr. Harshada Satghare	Concepts of E-tourism	Babasaheb Ambedkar Marathwada University, Aurangabad	2 days

Sr. No.	Name of the Faculty	Topic	Organising Institution	Duration of FDP
282	Dr. Harshada Satghare	R for Beginners	Vishwakarma University, Pune	4 days
283	Dr. Harshada Satghare	Induction/Orientation Programme	Ramanujan College University of Delhi	4-Week
284	Dr. Pashmina Doshi	Systematic Literature review and Meta Analysis	Vishwakarma University, Pune	2 days
285	Dr. Pashmina Doshi	Developing Real Life Case Studies	Manav Rachna International Institute of Research and Studies .	4 days
286	Prof. Swati Shriyal	Internet Of Things(IoT) using Arduino & Raspberry PI	Sakthi Polytechnic College.	4 days
287	Prof. Swati Shriyal	R for Beginners	Vishwakarma University, Pune	4 days
288	Prof. Swati Shriyal	Recent Trends in Data Analytics and Machine learning	Vishwakarma University, Pune	4 days
289	Dr. Jayashree Vispute	Consulting : Building a Vibrant Industry-Academia Ecosystem	Prin. L.N. Welingkar Institute of Management Development and Research, Bengaluru.	4 days
290	Prof. Pooja Kulkarni	Perspectives of Blockchain Integrated with IoT: Challenges and Opportunities	PSNA College of Engineering and Technology.	4 days
291	Prof. Apurva Thosar	Universal Design Approach For Built Environment	Malaviya National Institute of Technology Jaipur.	4 days
292	Prof. Apurva Thosar	Textile Design	Dr B R Ambedkar National Institute of Technology Jalandhar.	4 days
293	Prof. Apurva Thosar	Advanced Concepts of Outcomes-Based Education	InPods	4 days
294	Dr. Makarand Puri	Effective Teaching, Learning pedagogy and Research Skill Development	P E S Modern College of Pharmacy, Pune	5 day
295	Prof. Hepi Sutar	The Complete Data Analytics using Splunk	Udemy	-
296	Prof. Hepi Sutar	Privileged Account Management	Udemy	-
297	Prof. Hepi Sutar	Cyberthreats by Malware	Open HPI	14 days
298	Prof. Hepi Sutar	IMB T3	IBM	-
299	Prof. Hepi Sutar	CISSP® - Certified Information Systems Security Professional	Skill Up by Simplilearn	-
300	Prof. Hepi Sutar	Introduction to CISSP Security Assessment & Testing and Security Operations	Skill Up by Simplilearn	-
301	Prof. Hepi Sutar	CISSP	IT Master, Australia	-
302	Prof. Hepi Sutar	Machine Learning Using Python	Apptronix Technologies - Noida	2 Weeks
303	Prof. Hepi Sutar	Business Intelligence Fundamentals	Skill Up by Simplilearn	-
304	Prof. Hepi Sutar	Cybersecurity Awareness Training	Amazon	-

12.6 SPECIAL EFFORTS FOR STUDENTS TO EXCEL IN VARIOUS FIELDS

1. Dr. Poonam Inamdar conducted special training for students for the Graduate Pharmacy Aptitude Test preparation.

2. Prof. Sabeena Hussain Syed conducted special training for students for the Graduate Pharmacy Aptitude Test preparation.

13 | FACULTY ACTIVITIES

13.1 | FACULTY ACHIEVEMENTS

1. Dr. Bibek Datta is awarded 'Global Eminence Award 2021' under the exclusive individual category of 'Best Teacher Award'.

2. Dr. Bibek Datta was awarded a Certificate of Excellence in Reviewing by Geojournal of Tourism and Geosite.

3. Dr. Bibek Datta was awarded a Certificate of Excellence in Reviewing by Transportation Research Interdisciplinary Perspectives by Elsevier.

4. Dr. Mamoon Rashid participated as the Session chair during the international Conference on Technological Advancement and Innovation by Amity University and IEEE.

5. Dr. Mamoon Rashid participated as the Keynote speaker at the 4th International Conference by Amity University and IEEE in London on the Role of 3D amplified MRI Images in tracking real-time brain movement.

6. Dr. Mamoon Rashid contributed as the Keynote speaker at the International Conference on Innovative Development in Virtual and Rapid Prototyping by Uttaranchal University.

7. Dr. Mamoon Rashid participated as the Session chair during the international Conference on Intelligent Engineering and Management by Amity University and IEEE.

8. Dr. Ruchira Kedar was invited as a judge for Kala Utsav 2021 by NCERT.

9. Dr. Ruchira Kedar was invited as a guest speaker by Indian School of Development Management (ISDM).

10. Prof. Noshir Tarapore conducted Maharashtra State Faculty Development Academy (MSFDA) Project Under the Centre of Excellence for Innovation & Cutting-Edge Technology.

11. Prof. Siddhi Singh was invited to judge the preliminary round of National Moot Court Competition for SPARKLE 2.0.

12. Ms. Siddhi Singh was an esteemed member of the Persec Research panel of subject matter experts, as the faculty of law. She has provided consultancy to our research scholars on multiple research titles of Law subjects.

13. Ms. Siddhi Singh was a reviewer of a case book on Trademarks conducted by Maharashtra National Law University, Mumbai.

14. Dr. Omvir Gautam Was invited as the resource person for the topic: 'How to Write Research Papers?' at Fabtech College of Engineering.

15. Prof. Mrudula Risbud was invited as a speaker at Resilic to give a talk on 'Financial Literacy'

16. Prof. Mrudula Risbud was invited to conduct a workshop on 'Data Head Familiarization in the CMIE Prowess.

17. Prof. Mrudula Risbud received the Fellowship by The Institute of Cost Accountants, India.

18. Prof. Pooja Agrawal was invited as a guest speaker to give a talk on 'Stress Management and WLB' at Queen Mary's Technical Institute.

19. Prof. Mrunalini H Kulkarni won the as BEST RESEARCH PAPER PRESENTATION in ICASET-2021 Organized by Institute for Engineering Research and Publication (IFERP) held on 29th & 30th December 2021

20. Prof. Akash Alegaonkar was invited as a panel member at the International event by Gen.D Communication Design Session.

21. Dr. Padmaja Kathikar was invited to judge the Hon'ble Late Justice P B Sawant National Moot Court 2022 at Shankarrao Chavan Law College.

22. Dr. Padmaja Kathikar was invited as a Resource Person for a Guest Lecture on "Changing Nature of United Nations." at D Y Patil Law College.

23. Prof. Aishwarya Khadse was invited as a Jury for the events organized under Civispark for 16th "Engineering Today" which was held from 29th September to 1st October at AISSMS Institute of Technology, Pune.

24. Prof. Shweta Kishor was invited as a Resource person for the session on soft skills training at the Queen Mary's Technical Institute for Disabled Soldiers, Pune.

25. Prof. Dhritiman Chanda had presented a paper entitled: 'Failure Mode and Effect Analysis of Online Food Delivery Apps: A Study in the Silchar city of Assam' in the International Conference on 'Emerging Issues in Business and Management' organized by Department of Commerce & Department of Economics, Ramthakur College, Agartala during 6th to 8th October, 2021 and has been awarded the BEST RESEARCH PAPER in the technical session Track 5: Business & Northeast India.

26. Prof. Dhritiman Chanda was invited for the Panel Discussion at Silchar Live on 'Is the present day Education system really Educating us?'

27. Prof. Dhritiman Chanda was invited as a speaker on the webinar on Career Counseling for the students by Rotaract Club.

28.

29. Dr. Yogesh Suryawanshi was invited to be the Editor for the International Journal of Botany Studies.

30. Dr. Yogesh Suryawanshi participated in the Mesmarizing Fungi Photography Competition held at Ratnam College of Arts, Commerce and Science on the World Fungi Day.

31. Prof. Abhishek Bhosale was invited for a Guest Lecture at FTII for the 2018 Direction and Screenplay Writing batch for one day on the 24th of December on 'The diverse journalistic approaches while engaging with a variety of communities and social milieu'.

32. Prof. Abhishek Bhosale was invited as Member of Review Committee at the multilingual research journal with registered name "MediaMessenger" by MGM College of Journalism & Mass Communication, Aurangabad.

33. Prof. Abhishek Bhosale was invited as guest speaker to talk on 'Guardians of Truth' at MGM College of Journalism & Mass Communication, Aurangabad.

34. Prof. Abhishek Bhosale was invited as guest speaker to talk on 'Brave Female journalists from violence ridden areas' at Muslim Satyashodhak Samaj, Pune.

35. Prof. Abhishek Bhosale was invited as guest speaker FOR History at MIT School of Film and Television.

36. Prof. Abhishek Bhosale was invited as guest speaker for the Induction Session on the 5th of August, 2021 on 'Working with Local Media for Menstrual Health and Hygiene and Sexual and Reproductive Health' at Uninhabited.

37. Prof. Anupam Tiwari was invited as a Primary Evaluator at 'Taycathon 2021' held by the Ministry of Innovative Education, Gov. of India.

38. Prof. Anupam Tiwari was invited as a Guest Faculty for the six days class on 'Value Engineering' at NIDMP, Madhya Pradesh.

39. Prof. Om Bagade Presented a pPoster in a national Competition on 'Adverse Drug Reaction- Challenges During Covid 19' by School of Health Science, UPES, Dehradun.

40. Prof. Om Bagade won 1st prize in Oral Competition for presentation on the topic 'Enhancing The Anti Parkinson's Effects Of Rasagiline Mesylate In Rats Through Encapsulation In Nanoporous Structure With Food Protein As A Stabilizer ' during APP 17TH INDO-US INTERNATIONAL CONFERENCE, Theme: "Recent Advances and Global Trends in Pharmaceutical Sciences" at St. Paul College of Pharmacy, Turkayamjal, Abdullapurmet, Ranga Reddy, Telangana

41. Prof. Om Bagade won the International Scientist Awards on Engineering, Science, and Medicine by INSO 2022 Awards.

42. Prof. Pallavi Dhekale was invited as a resource person to give a talk on Cholinergic Drugs at Jayawantrao Sawant Institute of Pharmacy, Pune.

43. Dr. Supriya Lakhangaon contributed as a reviewer in the International Conference on Best Innovative Teaching Strategies BITS Pilani, Pilani Campus

44. Prof. Supriya Lakhangaonkar was invited as a Resource person for the session on soft skills training at the Queen Mary's Technical Institute for Disabled Soldiers, Pune.

45. Dr. Neha Munot won the Research Excellence Award by IAEP.

46. Dr. Neha Munot won the Excellence Certificate in Review by Journal of Pharmaceutical International.

47. Dr. Neha Munot was Appointmented as editor in editorial board " Current Trends in Pharmacy and Pharmaceutical Chemistry

48. Dr. Rahul Waghmare received a certificate for the review contributed to the International Conference on Best Innovative Teaching Strategies BITS Pilani, Pilani Campus

49. Dr. Rahul Waghmare was awarded a certificate for contribution as a primary evaluator in Toycathon 2.0 by the Ministry of Education.

50. Prof. Kavita Kumavat was invited for a Guest Session on 'Introduction to UML' Brahma Valley College of Engineering, Nashik.

51. Prof. Kavita Kumavat was invited for a Guest Session on 'Introduction to UML' at Gopinath Mundhe College.

52. Dr. Poonam Inamdar contributed as reviewer for the manuscript, entitled "Synthesis, crystal structure, Hirshfeld surface analysis and molecular docking analysisof new cadmium(II) iodidecomplex with the Pyridine,4-(1,1-dimethylethyl)" for the Journal of Coordination Chemistry.

53. Dr. Poonam Inamdar contributed as reviewer for Elsevier Journal.

54. Dr Poonam R Inamdar received award for winning RUNNER UP position in the E-Poster Presentation Competition at the PharmaNEST'21 International Virtual E-tech Fest on "Data Science, Computational Tools, Artificial Intelligence and more Novel Technologies: Evolution and Contribution in the Pharmaceutical Research" Organized by Operant Pharmacy Federation.

55. Dr Poonam R Inamdar won the A P J Abdul Kalam Young Achievers Award by Pondicherry Institute of Science and Management.

56. Prof Shruti Das was invited to judge the preliminary round of 2nd editorial Bal Gangadhar Tilak National Moot Court Competition.

57. Prof. Sabeena Hussain Syed won 3rd prize at the Society Of Pharmacognosy & International Conference for her oral presentation.

58. Prof. Divyanshu Priyadarshi was invited to judge the verbattle debate competition at the Samvaad- The Debating Society of School of Law, NMIMS Indore

59. Prof. Supriya Unavane participated as the Chairperson in AICTE sponsored STC on National Education Policy 2020

60. Prof. Supriya Unavane was invited to judge the Regional Level Project Competition at AISSMS College, Pune.

61. Dr. Neerja Aswale was invited as an external member for the PhD Pre-Synopsis at MIT, Pune.

62. Prof. Yogesh Desale was invited as a guest speaker to give a talk on 'Google EcoSystem' at Queen Mary's Technical Institute.

63. Dr. Vidya Bhate was invited at Rotary Club, Pune to deliver a talk on 'journey to peace'

64. Dr. Vidya Bhate was invited for supporting and guiding Team BOLDNET as anEvaluator for the activity session- Group Discussion

65. Dr. Bhupendra Singh was invited at the Institute of National Integration to deliver a lecture on 'Understanding Self and Others'

66. Dr. Bhupendra Singh was invited at the Tukaram Chaturchand College to deliver a lecture on 'Research methods in Psychology'

67. Dr. Archana Singh was invited at a Resource Person at Amity Global School of Business to give a talk on 'How to Publish a Research Paper'

68. Dr. Archana Singh was invited at a Resource Person at Allana Institute of Management Science to give a talk on 'Systematic Literature Review'

69. Dr. Archana Singh was invited to UG Programme Review Committee at Symbiosis Institute of Computer Studies & Research (SICSR)

70. Dr. Archana Singh was invited as a guest speaker to give a talk on 'How to check Plagiarism' at MIT Pune.

71. Dr. Archana Singh was invited as a reviewer for the Emerald Journal.

72. Dr. Archana Singh was invited as a reviewer for the IEEE Journal.

73. Dr. Sukhdeo Ingale joined as a fellow member at the FMERU, Eudoxia Research University, USA

74. Dr. Sukhdeo Ingale was invited as a guest of honour for the workshop by FMERU, Eudoxia Research University, USA

75. Dr. Sukhdeo Ingale was invited as a judge for National Moot court Competition 2022 at Sinhagad College of Law.

76. Dr. Sukhdeo Ingale was invited as a judge for National Moot court Competition 2022 at Tilak Maharashtra Vidyapeeth

77. Dr. Sukhdeo Ingale was invited as the keynote speaker at State Level Webinar on 'Ethics in ResearchWritings and Publications' at Punyashlok AhilyadeviHolkar SolapurUniversity, Solapur.

78. Dr. Bharti Ainapure won the Uttam Adhyapika award of excellence by Bharat Education.

79. Prof. Madhavi Dhachawar was invited as a journal paper reviewer at Amity University, UP

80. Prof. Sarika Sagar was invited to judge the KLE College of Law, Moot Court Competition 2021.

81. Prof. Ashwini Sonawane was invited as a guest speaker to give a talk on 'Verbal and Non-Verbal Communication' at Queen Mary's Technical Institute.

82. Prof. Remi Thomas contributed as a Business Coach in Delhi Government's Business Blasters program during Jan-Feb 2022

83. Prof. Vaibhav Thakare was invited at Savitribai Phule University of Pune as a guest speaker.

84. Prof. Vaibhav Thakare delivered a session on mobile content creation on the invitation of Gov. of Maharashtra

85. Ar. Nalini Naik Nimbalkar won the citation for multidimensional contribution in the field of architecture by Indian Institute of Architects, Pune Centre

86. Prof. Sonali Manwatkar won the best paper award for her paper 'Blooming of Zebrafish Model for the Future of Drug Discovery and Toxicology' at the International Conference of Advances in Biotechnology and Applied Microbiology organized by IIMT University, Meerut.

87. Prof. Sonali Manwatkar won the PERFICIO Awards 2022 Hosted by DHS Foundation & Faculty of Entrepreneurship ang, Business, Universiti Malaysia Kelantan, Malaysia

88. Prof. Ankita Sangle was invited as a resource person for the workshop on 'nexus Footprints – Combining Indicators For Urban Food-Water-Energy Nexus Comparison' at Gokhale Institute of Politics and Economics, Pune

89. Prof. Ankita Sangle was invited to The India Advantage Summit as speaker and panel member.

90. Dr Swati Mutha has Guided Students in National Level Digital Poster Making Competition Organized By Academic Decipher, Mumbai

91. Prof. Swati Mutha won the certificate of excellence for reviewing by Journal of Pharmaceutical Research International.

92. Prof. Swati Mutha won the IAPE Best Teacher Award 2022.

93. Prof. Nazia Wahid won the Indo Asian Education Excellence Award 2022 in recognition of the consistent superior performance in Statistics and upon the recommendations of the committee on REd Talks International Academic Excellence Awards by Ratna Prasad Multidisciplinary Research & Educational Society

94. Ms. Sakshi Mathurawala was appreciated for sharing her phenomenal and valuable knowledge on the topic " Parent-Children Bond" as a guest speaker organized by Upbringo Pvt Ltd.

95. Prof. Dolly Rawat was invited for guest sessions at Illumination to give a talk on Research Methodology.

96. Dr. Avadhut Atre was invited as the resource person for 'Online Pre-PhD Course work' at Babasaheb Ambedkar Marathwada University, Aurangabad.

97. Dr. Shraddha from Vishwakarma University, Pune, India was invited as a Peer Reviewer of The 2nd International Conference on Modern Management based on Big Data (MMBD2021) to be held in Quanzhou, China

98. Prof. Maya Kurulekar was invited as a reviewer to review the ICTIEE 2022 conference.

99. Prof. Maya Kurulekar was invited as a session chair for the Energy Management Minisymposium by IUCEE

100. Dr. Radhakrishna Batule was invited as a guest speaker to give a talk on 'Presentation Skills' at Queen Mary's Technical Institute.

101. Dr. Radhakrishna Batule was invited as a guest speaker BY Saksham Know Internship Programme to give a talk on Industry-Academia Partnership.

102. DES Institute of Film and Television invited Prof. Ravi Nikam for a workshop on Editing and Experience in Editing.

103. Prof. Sonali Pawar was invited as a resource person for 'Data Analytics using Python' at Modern College of Arts, Science and Commerce.

104. Prof. Apurwa Bhilare was invited as a judge to the ALC Pune Moot court Competition 2022.

105. Prof. Apurwa Bhilare was invited to judge the Preliminary Round of National Moot Court Competition at ILS Law College, Pune.

106. Prof. Apurwa Bhilare secured 1st position in 6th Dr. A P J Abdul Kalam International Socio-Legal Film Making Competition - 2022 Organised by ProBono India in association with GNLU Legal Services Committee, GNLU, Gandhinagar

107. Prof. Dr. Sanjesh Pawale was invited to chair a session at the International Conference onMTechnological Advancements and Innovation Amity University, Tashkent Campus and IEEE.

108. Dr. Shrikaant Kulkarni was invited for a Talk on " Nanotechnology" to IEEE students chapter, Vishwakarma Institute of Technology, Pune.

109. Dr. Shrikaant Kulkarni was invited on the occasion of "National Energy Conservation Day" by conducting a Webinar on February 28, 2022 to students and staff of Dr. V. B. Kolte College of Engineering, Malkapur

110. Dr Pashmina Doshi won the A P J Abdul Kalam Young Achievers Award by Pondicherry Institute of Science and Management.

111. Dr Pashmina Doshi was invited by Lexicon Management Institute of Leadership and Excellence for the Viva-voce.

112. Dr. Bindurani L G P Ram was invited for a guest lecture on 'Pharmaceutical Ethics involved in Plant Products' College of Pharmacy, Kashti

14 RESEARCH, CONSULTANCIES AND PUBLICATIONS

14.1 RESEARCH PAPERS PUBLISHED

Sr. No.	Title of Paper	Name of the Author/s	Department of Faculty	Name of journal	Year of Publication	ISSN Number	Is it listed in UGC Care List/Scopus/ Web of Science /other, mention
1	Water quality monitoring and management of building water tank using industrial internet of things	Singh, Rajesh; Baz, Mohammed; Gehlot, Anita; Rashid, Mamoon; Khurana, Manpreet; Akram, Shaik Vaseem; Alshamrani, Sultan S; AlGhamdi, Ahmed Saeed	Computer Engineering	Sustainability	2021	2071-1050	Scopus and Web of Science
2	Amalgamation of blockchain and sixth generation envisioned responsive edge orchestration in future cellular vehicle to anything ecosystems: Opportunities and challenges	Bhattacharya, Pronaya; Bodkhe, Umesh; Zuhair, Mohd; Rashid, Mamoon; Liu, Xuan; Verma, Ashwin; Kishan Dewangan, Ram	Computer Engineering	Transactions on Emerging Telecommuni-cations Technologies	2021	2161-3915	Scopus and Web of Science
3	Deep learning approach for analysis and characterization of COVID-19	Kumar, Indrajeet; Alshamrani, Sultan S; Kumar, Abhishek; Rawat, Jyoti; Singh, Kamred Udham; Rashid, Mamoon; AlGhamdi, Ahmed Saeed	Computer Engineering	Computers, Materials and Continua	2021	1546-2226	Scopus and Web of Science
4	Internet of things and long-range-based smart lampposts for illuminating smart cities	Gehlot, Anita; Alshamrani, Sultan S; Singh, Rajesh; Rashid, Mamoon; Akram, Shaik Vaseem; AlGhamdi, Ahmed Saeed; Albogamy, Fahad R	Computer Engineering	Sustainability	2021	2071-1050	Scopus and Web of Science
5	Hybrid Architectural Network Implementation to Realize a Fire Evacuation Path with 2.4 GHz Zigbee and LoRa	Singh, Rajesh; Birajdar, Gajanand S; Rashid, Mamoon; Gehlot, Anita; Akram, Shaik Vaseem; AlGhamdi, Ahmed Saeed; Alshamrani, Sultan S	Computer Engineering	Sustainability	2021	2071-1050	Scopus and Web of Science
6	Cloud Server and Internet of Things Assisted System for Stress Monitoring	Singh, Rajesh; Gehlot, Anita; Rashid, Mamoon; Saxena, Ritika; Akram, Shaik Vaseem; Alshamrani, Sultan S; AlGhamdi, Ahmed Saeed	Computer Engineering	Electronics	2021	2079-9292	Scopus and Web of Science
7	Blockchain Enabled Automatic Reward System in Solid Waste Management	Akram, Shaik Vaseem; Alshamrani, Sultan S; Singh, Rajesh; Rashid, Mamoon; Gehlot, Anita; AlGhamdi, Ahmed Saeed; Prashar, Deepak	Computer Engineering	Security and Communica-tion Networks	2021	1939-0114	Scopus and Web of Science
8	Role of wireless aided technologies in the solid waste management: A comprehensive review	Akram, Shaik Vaseem; Singh, Rajesh; Gehlot, Anita; Rashid, Mamoon; AlGhamdi, Ahmed Saeed; Alshamrani, Sultan S; Prashar, Deepak	Computer Engineering	Sustainability	2021	2071-1050	Scopus and Web of Science

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9	SDSWSN—A Secure Approach for a Hop-Based Localization Algorithm Using a Digital Signature in the Wireless Sensor Network	Prashar, Deepak; Rashid, Mamoon; Siddiqui, Shams Tabrez; Kumar, Dilip; Nagpal, Amandeep; AlGhamdi, Ahmed Saeed; Alshamrani, Sultan S	Computer Engineering	Electronics	2021	2079-9292	Scopus and Web of Science
10	Zigbee and long-range architecture based monitoring system for oil pipeline monitoring with the internet of things	Singh, Rajesh; Baz, Mohammed; Narayana, Ch Lakshmi; Rashid, Mamoon; Gehlot, Anita; Akram, Shaik Vaseem; Alshamrani, Sultan S; Prashar, Deepak; AlGhamdi, Ahmed Saeed	Computer Engineering	Sustainability	2021	2171-1050	Scopus and Web of Science
11	Deep learning approach for discovery of in silico drugs for combating COVID-19	Jha, Nishant; Prashar, Deepak; Rashid, Mamoon; Shafiq, Mohammad; Khan, Razaullah; Pruncu, Catalin I; Tabrez Siddiqui, Shams; Saravana Kumar, M	Computer Engineering	Journal of healthcare engineering	2021	2040-2309	Scopus and Web of Science
12	MNet: A Framework to Reduce Fruit Image Misclassification.	Meshram, Vishal A; Patil, Kailas; Ramteke, Sahadeo D	Computer Engineering	Ingénierie des Systèmes d Inf.	2021	2116-7125	Scopus
13	Electricity load forecasting and feature extraction in smart grid using neural networks	Jha, Nishant; Prashar, Deepak; Rashid, Mamoon; Gupta, Sachin Kumar; Saket, RK	Computer Engineering	Computers & Electrical Engineering	2021	0045-7906	Scopus and Web of Science
14	A novel approach for securing nodes using two-ray model and shadow effects in flying ad-hoc network	Kaur, Manjit; Prashar, Deepak; Rashid, Mamoon; Alshamrani, Sultan S; AlGhamdi, Ahmed Saeed	Computer Engineering	Electronics	2021	2079-9292	Scopus and Web of Science
15	IoMT based facial emotion recognition system using deep convolution neural networks	Rathour, Navjot; Alshamrani, Sultan S; Singh, Rajesh; Gehlot, Anita; Rashid, Mamoon; Akram, Shaik Vaseem; AlGhamdi, Ahmed Saeed	Computer Engineering	Electronics	2021	2079-9292	Scopus and Web of Science
16	Clustering isolated nodes to enhance network's life time of WSNs for IoT applications	Vimal, Vrince; Singh, Kamred Udham; Kumar, Abhishek; Gupta, Sachin Kumar; Rashid, Mamoon; Saket, RK; Padmanaban, Sanjeevikumar	Computer Engineering	IEEE Systems Journal	2021	1937-9234	Scopus and Web of Science
17	Real-Time Facial Emotion Recognition Framework for Employees of Organizations Using Raspberry-Pi	Rathour, Navjot; Khanam, Zeba; Gehlot, Anita; Singh, Rajesh; Rashid, Mamoon; AlGhamdi, Ahmed Saeed; Alshamrani, Sultan S	Computer Engineering	Applied Sciences	2021	2076-3417	Scopus and Web of Science
18	NO2 pollutant concentration forecasting for air quality monitoring by using an optimised deep learning bidirectional GRU model	Sonawani, Shilpa; Patil, Kailas; Chumchu, Prawit	Computer Engineering	International Journal of Computational Science and Engineering	2021	1742-7193	Scopus and Web of Science

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19	Realization of people density and smoke flow in buildings during fire accidents using raspberry and openCV	Birajdar, Gajanand S; Baz, Mohammed; Singh, Rajesh; Rashid, Mamoon; Gehlot, Anita; Akram, Shaik Vaseem; Alshamrani, Sultan S; AlGhamdi, Ahmed Saeed	Computer Engineering	Sustainability	2021	2071-1050	Scopus and Web of Science
20	Distance based pattern driven mining for outlier detection in high dimensional big dataset	Kumar, Ankit; Kumar, Abhishek; Bashir, Ali Kashif; Rashid, Mamoon; Kumar, VD Ambeth; Kharel, Rupak	Computer Engineering	ACM Transactions on Management Information System (TMIS)	2021	2158-6578	Scopus and Web of Science
21	Cloud Server and Internet of Things Assisted System for Stress Monitoring	Singh, R; Gehlot, A; Rashid, M; Saxena, R; Akram, SV; Alshamrani, SS; AlGhamdi, AS	Computer Engineering	Electronics	2021	2079-9292	Scopus and Web of Science
22	Throughput Optimization-Based Gateways Placement Methods in Wireless Networks	Patil, Suvarna; Gokhale, Prasad	Computer Engineering	International Journal of Computer Networks	2021	2395-0455	Scopus
23	Statistical analysis and classifier accuracy improvements models for road accident issues on national highways in India	Chitnis, SD; Gokhale, Prasad	Computer Engineering	Design engineering	2021	0011-9342	Scopus
24	Handmade OK please: key criteria for purchasing craft items by Indian consumers	Koli, Ajay Kumar	Travel and Tourism	Journal of Cultural Heritage Management and Sustainable Development	2021	2079-9292	Scopus and Web of Science
25	Peculiar DNA partial threading intercalative ability of tetradentate copper complex based on ONO hydrazone backbone and an ancillary ligand	Inamdar, Poonam R; Sheela, A	Pharmacy	Nucleosides, Nucleotides & Nucleic Acids	2021	1532-2335	Scopus and Web of Science
26	Design, synthesis, antimicrobial evaluation, and molecular docking study of some 4-thiazolidinone derivatives containing pyridine and quinazoline moiety	Desai, Nisheeth C; Jadeja, Krunalsinh A; Jadeja, Dharmpalsinh J; Khedkar, Vijay M; Jha, Prakash C	Pharmacy	Synthetic Communications	2021	1532-2432	Scopus and Web of Science
27	In silico molecular docking studies of oxadiazole and pyrimidine bearing heterocyclic compounds as potential antimicrobial agents	Desai, Nisheeth C; Vaghani, Hasit V; Jethawa, Aratiba M; Khedkar, Vijay M	Pharmacy	Archiv der Pharmazie	2021	1521-4184	Scopus and Web of Science

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28	Quinazoline clubbed thiazole and 1, 3, 4-oxadiazole heterocycles: synthesis, characterization, antibacterial evaluation, and molecular docking studies	Desai, Nisheeth; Shihory, Niraj; Khasiya, Ashvinkumar; Pandit, Unnat; Khedkar, Vijay	Pharmacy	Phosphorus, Sulfur, and Silicon and the Related Elements	2021	1563-5325	Scopus and Web of Science
29	In silico Studies, Synthesis and Antitubercular Activity of Some Novel Quinoline-Azitidinone Derivatives	Chitre, Trupti S; Asgaonkar, Kalyani D; Vikhe, Amrut B; Patil, Shital M; Garud, Dinesh R; Khedkar, Vijay M; Sarkar, Dhiman; Nawale, Laxman U; Yeware, Amar	Pharmacy	Current Computer-Aided Drug Design	2021	1875-6697	Web of Science
30	Synthesis, Antimicrobial Capability and Molecular Docking of Heterocyclic Scaffolds Clubbed by 2-Azetidinone, Thiazole and Quinoline Derivatives	Desai, Nisheeth C; Harsora, Jalpa P; Monapara, Jahnvi D; Khedkar, Vijay M	Pharmacy	Polycyclic Aromatic Compounds	2021	1563-5333	Scopus and Web of Science
31	Conventional and microwave-assisted synthesis, antitubercular activity, and molecular docking studies of pyrazole and oxadiazole hybrids	Desai, Nisheeth C; Bhatt, Kandarp; Monapara, Jahnvi; Pandit, Unnat; Khedkar, Vijay M	Pharmacy	ACS omega	2021	2470-1343	Scopus and Web of Science
32	A copper-catalyzed synthesis of aryloxy-tethered symmetrical 1, 2, 3-triazoles as potential antifungal agents targeting 14 α-demethylase	Deshmukh, Tejshri R; Khedkar, Vijay M; Jadhav, Rohit G; Sarkate, Aniket P; Sangshetti, Jaiprakash N; Tiwari, Shailee V; Shingate, Bapurao B	Pharmacy	New Journal of Chemistry	2021	1144-0546	Scopus and Web of Science
33	Design, Synthesis, Antibacterial Activity and in Silico Studies of Novel Quinolone Fused with Triazine, Thiadiazole and Oxadiazole Heterocycles	Desai, Nisheeth C; Wadekar, Kashyap R; Mehta, Harsh K; Pandit, Unnat P; Khedkar, Vijay M	Pharmacy	Polycyclic Aromatic Compounds	2021	1563-5333	A
34	Synthesis, in vitro cytotoxicity, and molecular docking study of novel 3, 4 dihydroisoquinolin 1 (2 H) one based piperlongumine analogues	Kulkarni, Mahesh R; Lad, Nitin P; Khedkar, Vijay M; Gaikwad, Nitin D	Pharmacy	Journal of Heterocyclic Chemistry	2021	1943-5193	Web of Science
35	Design, Synthesis, and the Effects of (E)-9-Oxooctadec-10-en-12-ynoic Acid Analogues to Promote Glucose Uptake	Kshirsagar, Rajendra R; Gadekar, Pradip K; Khedkar, Vijay M; Vijayakumar, Vijayaparthasarathi	Pharmacy	ACS omega	2021	2470-1343	Scopus and Web of Science
36	Synthesis and evaluation of antimycobacterial activity of riboflavin derivatives	Harale, Bhaiyyasaheb; Kidwai, Saqib; Ojha, Divya; Singh, Manisha; Chouhan, Dwarika Kumar; Singh, Ramandeep; Khedkar, Vijay; Rode, Ambadas B	Pharmacy	Bioorganic & Medicinal Chemistry Letters	2021	0960-894X	Scopus and Web of Science

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37	Room temperature ionic liquid promoted improved and rapid synthesis of highly functionalized imidazole and evaluation of their inhibitory activity against human cancer cells	Jadhav, Chetan K; Nipate, Amol S; Chate, Asha V; Kamble, Pratiksha M; Kadam, Ganesh A; Dofe, Vidya S; Khedkar, Vijay M; Gill, Charansingh H Desai, Nisheeth C; Harsora, Jalpa P; Monapara, Jahnvi D; Khedkar, Vijay M	Pharmacy	Journal of the Chinese Chemical Society	2021	2192-6549	Scopus and Web of Science
38	Synthesis and Molecular Docking Study of Arylsulfanyl Pyrazolylpyrazoline Derivatives as Antitubercular Agents	Zala, MJ; Vora, JJ; Khedkar, VM	Pharmacy	Russian Journal of Organic Chemistry	2021	1608-3393	Scopus and Web of Science
39	Synthesis and molecular docking study of pyrazole clubbed oxazole as antibacterial agents	Desai, Nisheeth C; Vaja, Darshita V; Joshi, Surbhi B; Khedkar, Vijay M	Pharmacy	Research on Chemical Intermediates	2021	1568-5675	Scopus and Web of Science
40	[Et3NH][HSO4]-Catalyzed One-Pot Solvent Free Syntheses of Functionalized [1, 6]-Naphthyridines and Biological Evaluation	Shaikh, Mubarak H; Subhedar, Dnyaneshwar D; Khedkar, Vijay M; Shingate, Bapurao B	Pharmacy	Polycyclic Aromatic Compounds	2021	1563-5333	Scopus and Web of Science
41	New 1, 2, 3-Triazole-Appended Bis-pyrazoles: Synthesis, Bioevaluation, and Molecular Docking	Danne, Ashruba B; Deshpande, Mukund V; Sangshetti, Jaiprakash N; Khedkar, Vijay M; Shingate, Bapurao B	Pharmacy	ACS omega	2021	2470-1343	Scopus and Web of Science
42	[DBUH][OAc]-Catalyzed Domino Synthesis of Novel Benzimidazole Incorporated 3, 5-Bis (Arylidene)-4-Piperidones as Potential Antitubercular Agents	Subhedar, Dnyaneshwar D; Shaikh, Mubarak H; Nagargoje, Amol A; Sarkar, Dhiman; Khedkar, Vijay M; Shingate, Bapurao B	Pharmacy	Polycyclic Aromatic Compounds	2021	1563-5333	Scopus and Web of Science
43	Synthesis and Biological Evaluation of 2-(4, 5, 6, 7-Tetrahydrobenzo [c] Isoxazol-3-yl)-4 H-Chromen-4-Ones	Dengale, Sujata G; Akolkar, Hemantkumar N; Darekar, Nirmala R; Shaikh, Mubarak H; Deshmukh, Keshav K; Mhaske, Sadhana D; Karale, Bhausaheb K; Raut, Dipak N; Khedkar, Vijay M	Pharmacy	Polycyclic Aromatic Compounds	2021	1563-5333	Scopus and Web of Science
44	Impact of social media influencers on customer engagement and brand perception	Jaitly, Rahul Chander; Gautam, Omvir	Management	International Journal of Internet Marketing and Advertising	2021	1741-8100	Scopus
45	What Influences Business Travelers Behavioral Intentions Of Travel Booking: A Study Of The Bottlenecks Of Online Travel Portals	Datta, Bivek	Travel and Tourism	Geo Journal of Tourism and Geosites	2021	2065-1198	Scopus

Sr. No.	Title of Paper	Name of the Author/s	Department of Faculty	Name of journal	Year of Publication	ISSN Number	Is it listed in UGC Care List/Scopus/ Web of Science /other, mention
46	Prognosis of COVID-19 Patients with machine learning techniques	Ainapure, Bharati S; Pise, Reshma; Wagh, Aniket Anil; Tejnani, Jitesh; Oza, Kaushal Zala, MJ; Vora, JJ; Khedkar, VM	Computer Engineering	Annals of the Romanian Society for Cell Biology	2021	1583-6258	Scopus
47	HCI-ML Work In Wellbeing of Mental Health and Pilot Study to Detect Depression and Anxiety among Students during COVID	Anekar, Devata R; Deshpande, Yogesh D	Computer Engineering	Design Engineering	2021	0011-9342	Scopus
48	Ray Tracing Algorithm for Scene Generation in Simulation of Photonic Mixer Device Sensors	Lade, Sangita; Kulkarni, Milind; Patil, Aniket	Computer Engineering	Machine Learning and Information Processing	2021	2194-5357	Scopus
49	Quantum computing methods for supervised learning	Kulkarni, Viraj; Kulkarni, Milind; Pant, Aniruddha	Computer Engineering	Quantum Machine Intelligence	2021	2524-4914	Scopus and Web of Science
50	Image Restoration using Recent Techniques: A Survey	Ainapure, Bharti	Computer Engineering	Design Engineering	2021	0011-9342	Scopus
51	To Explore How The Social, Economic, Educational Background Of Client'S Impacts The Decision-Making Process	Honrao, Rahul; Pawar, Subhash	Design	Journal Of Education: Rabindra-bharati University	2021	0972-7175	UGC-CARE-1
52	Impact Of Interior Designer Of Residential Spaces With Respect To Income Groups In And Around Pune	Honrao, Rahul; Pawar, Subhash	Design	The Journal Of Oriental Research Madras	2021	0022-3301	UGC-CARE-1
53	Indian Railways Engineers Information Seeking Behaviour: Implementation of Leckie et al's Model and Study of their Awareness of Information	Patekari, J M; Naik, S D	Library and Information Science	Industrial Engineering Journal	2021	0970-2555	UGC-CARE-1
54	Driver-Vehicle Interaction Analysis: Pilot Implementa-tion for Driver Behaviour Classification Using Smart-phone Sensor Data	Wawge, Pawan; Deshpande, Yogesh	Computer Engineering	Proceedings of the INTERACT 2021 Conference on Human-Computer Interaction	2021	1611-3349	Scopus
55	A Study on the Representation of Women on Corporate Boards in India Vis-à-vis the Global Scenario	Kamath, Kavita; Lakhangaonkar, Supriya	Management	PalArch's Journal of Archaeology of Egypt/ Egyptology	2021	1567-214X	Scopus
56	Assessment of TOC and TPM in Indian SME Auto Manufacturing Industries	Tarte, Nagesh; Doke, Sunil	Management	Journal of Operations and Strategic Planning	2021	2516-6018	

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57	Distance Aware Gateway Placement Optimization for Machine-to-Machine (M2M) Communication in IoT Network	Patil, Suvarna; Gokhale, Prasad	Computer Engineering	Turkish Journal of Computer & Mathematics Education (TURCOMAT)	2021	1309-4653	
58	Examining the role of celebrity credibility in the consumption of organic products in a developing nation: a pragmatic evidence from India	Gautam, Omvir; Agrawal, Pooja; Sharma, Bhuvanesh Kumar	Management	International Journal of Technology Transfer and Commercia- Iisation	2021	1741-5284	
59	A Novel Approach to Prevent Cloud Infrastructure against Cache Attacks	Ainapure, Bharati Sanjay	Computer Engineering	Research Square	2021	2693-5015	
60	Machine learning in agriculture domain: A state-of-art survey	Meshram, Vishal; Patil, Kailas; Meshram, Vidula; Hanchate, Dinesh; Ramkteke, SD	Computer Engineering	Artificial Intelligence in the Life Sciences	2021	2667-3185	
61	The Godhadi Art: Inspiration to develop new trends in Design	Charwad, Rakhi; Charwad, Girish	Design	SPAST Abstracts	2021		
62	Electronic Health Record Using Blockchain And Off Chain Storage: A Systematic Review	Joshi, Pranalini; Gokhale, Prasad	Computer Engineering	Information Technology in Industry Commerci- alisation	2021	2203-1731	
63	An essential role of 'illustrative visuals' in contemporary Book-Publications of Maharashtra	Mandre, Shailesh Bajirao; Atre, Avadhut	Design	Ajanta	2021	2277-5730	
64	Implementing Theory of Constraints in an Indian SME: A Bearing Rings Manufacturing Machine Shop	Nagesh, Tarte; Sunil, Doke	Management	Trends in Mechanical Engineering & Technology	2021	2231-1793	
65	Dark Spot Identification using Clustering Techniques for Analysis and Classification of Cases of Molestation Against Women in Pune-India	Patel, Anjum; Gokhale, Prasad	Computer Engineering	American Council on Science & Education	2021		
66	The MHD flow of liquid film in the presence of dissipation and thermal radiation through an unsteady stretching sheet by HAM	Guled, CN; Tawade, Jagdish; Patil, Priyanka	Mathematics & Statistics	Turkish Journal of Computer and Mathematics Education (TURCOMAT)	2021	1309-4653	
67	A Review on Internal Design Modifications in Activated Sludge Process: Status, Impact & Recommendations	Dashora, Nivedita; Bhatkhand, Dhananjay; Deosarkar, Manik; Khamparia, Shraddha	Water, Sanitation & Hygiene	Advanced Materials Proceedings	2021	2002-441X	
68	Bionanocomposites for Biomedical Applications	Kulkarni, Shrikaant	Water, Sanitation & Hygiene	Applications of Biodegradable and Bio-Based Polymers for Human Health and a Cleaner Environment	2021	9.781E+12	

Sr. No.	Title of Paper	Name of the Author/s	Department of Faculty	Name of journal	Year of Publication	ISSN Number
69	Private Cloud Configuration Using Amazon Web Services	Mane, Ashwini S; Ainapure, Bharati S	Computer Engineering	Information and Communication Technology for Competitive Strategies (ICTCS 2020)	2021	2367-3370
70	Hydroponic Cultivation Approaches to Enhance the Contents of the Secondary Metabolites in Plants	Suryawanshi, Yogesh Chandrakant	Yoga & Naturopathy	Biotechnological Approaches to Enhance Plant Secondary Metabolites	2021	9781003-034957
71	Employees' Attitudes and Perceptions Towards Electronic Monitoring Surveillance Affecting Employee Behavior: An Exploratory Evidence From the Airline Industry	Gautam, Omvir; Agrawal, Pooja	Management	Critical Issues on Changing Dynamics in Employee Relations and Workforce Diversity	2021	9.7818E+12
72	Systematic Review of Resource Allocation Methods Using Scheduling for M2M (Machine to Machine Communication) in IoT Network	Patil, Suvarna; Gokhale, Prasad	Computer Engineering	Security Issues and Privacy Threats in Smart Ubiquitous Computing	2021	9789813-349964
73	Design and Analysis of Eddy Current Damper	Satpute, Nitin; Iwaniec, Marek; Narina, Ramesh; Presswala, Idris; Arias, Ludwin Molina	Mechanical Engineering	2021 IEEE XVIIth International Conference on the Perspective Technologies & Methods in MEMS Design (MEMSTECH)	2021	2573-5373
74	Study on Manufacturing of High Purity thin Iron Foil	Satpute, Nitin; Iwaniec, Marek; Dhoka, Prakash; Karande, Pankaj; Narnia, Ramesh	Mechanical Engineering	2021 IEEE XVIIth International Conference on the Perspective Technologies & Methods in MEMS Design (MEMSTECH)	2021	2573-5373
75	Analysis of user's learning styles and academic emotions through web usage mining	Rathi, Snehal; Deshpande, Yogesh; Nagaral, Shashidhar; Narkhede, Ankita; Sajwani, Radhika; Takalikar, Varad	Computer Engineering	2021 International Conference on Emerging Smart Computing and Informatics (ESCI)	2021	
76	IoT Device Classification Techniques and Traffic Analysis-A Review	Shriyal, Swati Shivkumar; Ainapure, Bharati Sanjay	Computer Engineering	2021 International Conference on Technological Advancements and Innovations (ICTAI)	2021	
77	Heuristics of smartphones and tablets to identify human factors for improving user experience	Dadarkar, Vidhita; Tiwari, Anupam	Design	HWWE2021	2021	
78	Workload assessment methods on Train Station Control Room	Vaidya, Madhura; Tiwari, Anupam	Design	HWWE2021	2021	
79	Workforce Diversity to Foster an Innovation	Waghmare, Rahul Baburao	Design	Critical Issues on Changing Dynamics in Employee Relations and Workforce Diversity	2021	9.7818E+12
80	Optimizing Agricultural to Hydro power water transfer	Kurulekar, Maya; Kumar, K; Joshi, Shardul; Kurulekar, M; Shinde, Neha	Engineering Sciences	IOP Conference Series: Materials Science and Engineering	2021	1757-899X

Sr. No.	Title of Paper	Name of the Author/s	Department of Faculty	Name of journal	Year of Publication	ISSN Number	Is it listed in UGC Care List/ Scopus/Web of Science / other, mention
01	A Deep Multimodal Adversarial Cycle-Consistent Network for Smart Enterprise System	Li, Peng; Laghari, Asif Ali; Rashid, Mamoon; Gao, Jing; Gadekallu, Thippa Reddy; Javed, Abdul Rehman; Yin, Shoulin	Computer Engineering	IEEE Transactions on Industrial Informatics	2022	1551-3203	Scopus & Web of Science
02	A Comparative Study of Quercetin-Loaded Nanocochleates and Liposomes: Formulation, Characterization, Assessment of Degradation and In Vitro Anticancer Potential	Munot, Neha; Kandekar, Ujjwala; Giram, Prabhanjan S; Khot, Kavita; Patil, Abhinandan; Cavalu, Simona	Pharmacy	Pharmaceutics	2022	1999-4923	Scopus & Web of Science
03	Development of favipiravir loaded PLGA nanoparticles entrapped in in-situ gel for treatment of Covid-19 via nasal route	Vaishnavi, Gattania; Shilpa, Dawre	Computer Engineering	Journal of Drug Delivery Science and Technology	2022	2352-3409	Scopus & Web of Science
04	Dataset of Stagnant Water and Wet Surface Label Images for Detection	Bhutad, Sonali; Patil, Kailas	Computer Engineering	Data in Brief	2022	2352-3409	Scopus & Web of Science
05	Dataset of Indian and Thai banknotes with annotations	Meshram, Vidula; Patil, Kailas; Chumchu, Prawit	Computer Engineering	Data in brief	2022	1546-2226	Scopus & Web of Science
06	Secure watermarking scheme for color DICOM images in telemedicine applications	Singh, Kamred Udham; Abu-Hamatta, Hatem Salem; Kumar, Abhishek; Singhal, Achintya; Rashid, Mamoon; Bashir, AK	Computer Engineering	Computers, Materials & Continua	2022	2227-7390	Scopus & Web of Science
07	JMA: Nature-Inspired Java Macaque Algorithm for Optimization Problem	Karunanidy, Dinesh; Ramalingam, Subramanian; Dumka, Ankur; Singh, Rajesh; Rashid, Mamoon; Gehlot, Anita; Alshamrani, Sultan S; AlGhamdi, Ahmed Saeed	Computer Engineering	Mathematics	2022	1751-9667	Scopus & Web of Science
08	IMG forensics: Multimedia enabled information hiding investigation using convolutional neural network	Khan, Abdullah Ayub; Shaikh, Aftab Ahmed; Cheikhrouhou, Omar; Laghari, Asif Ali; Rashid, Mamoon; Shafiq, Muhammad; Hamam, Habib	Computer Engineering	IET Image Processing	2022	2079-9292	Scopus & Web of Science
09	An Optimized Load Balancing Using Firefly Algorithm in Flying Ad-Hoc Network	Kaur, Manjit; Prashar, Deepak; Rashid, Mamoon; Khanam, Zeba; Alshamrani, Sultan; AlGhamdi, Ahmed	Computer Engineering	Electronics	2022	1563-5147	Scopus & Web of Science
10	Energy-Efficient Hybrid Power System Model Based on Solar and Wind Energy for Integrated Grids	Jha, Nishant; Prashar, Deepak; Rashid, Mamoon; Khanam, Zeba; Nagpal, Amandeep; AlGhamdi, Ahmed Saeed; Alshamrani, Sultan S	Computer Engineering	Mathematical Problems in Engineerin	2022	1433-3058	Scopus & Web of Science
11	Ai-enabled radiologist in the loop: novel ai-based framework to augment radiologist performance for covid-19 chest ct medical image annotation and classification from pneumonia	Ghayvat, Hemant; Awais, Muhammad; Bashir, AK; Pandya, Sharnil; Zuhair, Mohd; Rashid, Mamoon; Nebhen, Jamel	Computer Engineering	Neural Computing and Applications	2022	1087-6545	Scopus & Web of Science
12	Cardiac Diagnosis with Machine Learning: A Paradigm Shift in Cardiac Care	Laad, Meena; Kotecha, Ketan; Patil, Kailas; Pise, Reshma	Computer Engineering	Applied Artificial Intelligence	2022	1468-0394	Scopus & Web of Science
13	Computer aided deep learning model for identification of lymphoblast cell using microscopic leukocyte images	Kumar, Abhishek; Rawat, Jyoti; Kumar, Indrajeet; Rashid, Mamoon; Singh, Kamred Udham;	Computer Engineering	Expert Systems	2022	1468-0394	Scopus & Web of Science
14	FruitNet: Indian fruits image dataset with quality for machine learning applications	Al Otaibi, Yasser D; Tariq, Usman Meshram, Vishal; Patil, Kailas	Computer Engineering	Data in Brief	2022	2352-3409	Scopus & Web of Science

Sr. No.	Title of Paper	Name of the Author/s	Department of Faculty	Name of journal	Year of Publication	ISSN Number	Is it listed in UGC Care List/ Scopus/Web of Science / other, mention
15	Dataset of road surface images with seasons for machine learning applications	Bhutad, Sonali; Patil, Kailas	Computer Engineering	Data in brief	2022	2352-3409	Scopus & Web of Science
16	A cost-effective solution for non-convex economic load dispatch problems in power systems using slime mould algorithm	Kamboj, Vikram Kumar; Kumari, Challa Leela; Bath, Sarbjeet Kaur; Prashar, Deepak; Rashid, Mamoon; Alshamrani, Sultan S; AlGhamdi, Ahmed Saeed	Computer Engineering	Sustainability	2022	2071-1050	Scopus & Web of Science
17	An Optimized Load Balancing Using Firefly Algorithm in Flying Ad-Hoc Network	Kaur, Manjit; Prashar, Deepak; Rashid, Mamoon; Khanam, Zeba; Alshamrani, Sultan S; AlGhamdi, Ahmed Saeed	Computer Engineering	Electronics	2022	2079-9292	Scopus & Web of Science
18	Design and analysis of motion and energy regulating vibration harvester	Satpute, Nitin; Jugulkar, Lalitkumar; Jabade, Siddharth; Korwar, Ganesh; Arawade, Swapnil	Computer Engineering / Mechanical Engineering	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Eng. Science	2022	2041-2983	Scopus & Web of Science
19	India's water health: region-wise water quality assessment of treated and untreated water	Nakade, Priya G; Bhatkhande, Dhananjay S; Deosarkar, Manik P; Jabade, Siddharth K; Khamparia, Shraddha; Watve, Hemant C	Water, Sanitation & Hygiene; Mechanical Engineering	Sustainable Water Resources Management	2022	2363-5045	Scopus & Web of Science
20	[HDBU][HSO4]-catalyzed facile synthesis of new 1, 2, 3-triazole-tethered 2, 3-dihydroquinazolin-4 [1H]-one derivatives and their DPPH radical scavenging activity	Siddiqui, Madiha M; Nagargoje, Amol A; Akolkar, Satish V; Sangshetti, Jaiprakash N; Khedkar, Vijay M; Pisal, Parshuram, Shingate, Bapurao B	Pharmac	Research on Chemical Intermediates	2022	1568-5675	Scopus & Web of Science
21	Synthesis, biological evaluation and molecular docking studies of quinoline conjugated 1, 2, 3 triazole derivatives as antileishmanial agents	Tapkir, Sandeep R; Patil, Rajendra H; Galave, Sharad A; Phadtare, Ganesh R; Khedkar, Vijay M; Garud, Dinesh R	Pharmac	Journal of Heterocyclic Chemistry	2022	1943-5193	Scopus & Web of Science
22	Microwave-assisted organic synthesis, antimycobacterial activity, structure–activity relationship and molecular docking studies of some novel indole-oxadiazole hybrids	Desai, NC; Somani, HC; Mehta, HK; Jadeja, DJ; Khasiya, AG; Khedkar, VM	Pharmac	SAR and QSAR in Environmental Research	2022	1029-046X	Scopus & Web of Science
23	Synthesis, biological evaluation, and molecular docking study of thiophene , piperazine , and thiazolidinone based hybrids as potential antimicrobial agents	Desai, Nisheeth C; Rupala, Yogesh M; Khasiya, Ashvinkumar G; Shah, Keyur N; Pandit, Unnat P; Khedkar, Vijay M	Pharmac	Journal of Heterocyclic Chemistry	2022	1943-5193	Scopus & Web of Science
24	Conventional and microwave assisted organic synthesis of novel antimycobacterial agents bearing furan and pyridine hybrids	Desai, Nisheeth C; Bhatt, Kandarp; Jadeja, Dharmpalsinh J; Mehta, Harsh K; Khedkar, Vijay M; Sarkar, Dhiman	Pharmac	Drug Development Research	2022	1098-2299	Scopus & Web of Science
25	Design, Synthesis and Biological Evaluation of Novel Furan & Thiophene Containing Pyrazolyl Pyrazolines as Antimalarial Agents	Akolkar, Hemantkumar N; Dengale, Sujata G; Deshmukh, Keshav K; Karale, Bhausaheb K; Darekar, Nirmala R; Khedkar, Vijay M; Shaikh, Mubarak H	Pharmac	Polycyclic Aromatic Compounds	2022	1563-5333	Scopus & Web of Science
26	Two antibacterial spiro compounds from the roots of Artemisia pallens wall: evidence from molecular docking	Honmore, Varsha S; Natu, Arun D; Khedkar, Vijay M; Arkile, Manisha A; Sarkar, Dhiman; Rojatkar, Supada R	Pharmac	Natural Product Research	2022	1478-6427	Scopus & Web of Science
27	Synthesis of Novel Hydrazones of Levofloxacin Related Molecule & their In Vitro evaluation as antioxidant, & Molecular Docking Studies	Kashid, Bharat B; Kilbile, Jaydeo T; Wani, Kishor D; Pawar, Suhas; Khedkar, Vijay M; Ghanwat, Anil A	Pharmac	Combinatorial Chemistry & High Throughput Screening	2022	1875-5402	Scopus & Web of Science

Sr. No.	Title of Paper	Name of the Author/s	Department of Faculty	Name of journal	Year of Publication	ISSN Number	Is it listed in UGC Care List/ Scopus/Web of Science / other, mention
28	Tetrazoloquinoline-1, 2, 3-triazole derivatives as antimicrobial agents: synthesis, biological evaluation and molecular docking study	Shaikh, Mubarak H; Subhedar, Dnyaneshwar D; Akolkar, Satish V; Nagargoje, Amol A; Khedkar, Vijay M; Sarkar, Dhiman; Shingate, Bapurao B	Pharmac	Polycyclic Aromatic Compounds	2022	1563-5333	Scopus & Web of Science
29	Smartphone sensor dataset for driver behavior analysis	Wawage, Pawan; Deshpande, Yogesh	Computer Engineering	Data in Brief	2022	2352-3409	Scopus & Web of Science
30	Course complexity in engineering education using E-learner's affective-state prediction	Rathi, Snehal R; Deshpande, Yogesh D	Computer Engineering	Kybernetes	2022	0368-492X	Scopus & Web of Science
31	Majority Voting and Feature Selection Based Network Intrusion Detection System	Patil, Dharmaraj; Pattewar, Tareek	Computer Engineering	EAI Endorsed Transaction on Scalable Information Systems	2022	2032-9407	Scopus & Web of Science
32	Learning to Detect Phishing Web Pages Using Lexical and String Complexity Analysis	Patil, Dharmaraj; Pattewar, Tareek; Pardeshi, Shailendra; Punjabi, Vipul; Wagh, Rajnikant	Computer Engineering	EAI Endorsed Transactions on Scalable Information Systems	2022	2032-9407	Scopus & Web of Science
33	MHD slip flow and heat transfer of UCM fluid with the effect of suction/injection due to stretching sheet: OHAM solution	Guled, CN; Tawade, JV; Nandeppanavar, Mahantesh M; Saraf, AR	Mathematics & Statistics	Heat Transfer	2022	2688-4542	Scopus & Web of Science
34	Analysis of the change in bugginess and adaptiveness of python software systems	Yousuf, Mir Mohammad; Rashid, Mamoon	Computer Engineering	Multimedia Tools and Applications	2022	1573-7721	Scopus & Web of Science
35	Effects of thermophoresis and Brownian motion for thermal and chemically reacting Casson nanofluid flow over a linearly stretching sheet	Tawade, Jagadish V; Guled, CN; Noeiaghdam, Samad; Fernandez-Gamiz, Unai; Govindan, Vediyappan; Balamuralitharan, Sundarappan	Mathematics & Statistics	Results in Engineering	2022	2590-1230	Scopus & Web of Science
36	Effects of the Magnetohydrodynamic Flow within the Boundary Layer of a Jeffery Fluid in a Porous Medium over a Shrinking/Stretching Sheet	Benal, Shaila S; Tawade, Jagadish V; Biradar, Mahadev M; Allasi, Haiter Lenin	Mathematics & Statistics	Mathematical Problems in Engineering	2022	1563-5147	Scopus & Web of Science
37	The effects of MHD radiating and non-uniform heat source/sink with heating on the momentum and heat transfer of Eyring-Powell fluid over a stretching	Manvi, Bharatkumar; Tawade, Jagadish; Biradar, Mahadev; Noeiaghdam, Samad; Fernandez-Gamiz, Unai; Govindan, Vediyappan	Mathematics & Statistics	Results in Engineering	2022	2590-1230	Scopus & Web of Science
38	A novel deep learning based single shot multibox detector model for object detection in optical remote sensing images	Wang, Liguo; Shoulin, Yin; Alyami, Hashem; Laghari, Asif Ali; Rashid, Mamoon; Almotiri, Jasem; Alyamani, Hasan J; Alturise, Fahad	Computer Engineering	Geoscience Data Journal	2022	2049-6060	Scopus & Web of Science
39	Hybrid Spatiotemporal Contrastive Representation Learning for Content-Based Surgical Video Retrieval	Kumar, Vidit; Tripathi, Vikas; Pant, Bhaskar; Alshamrani, Sultan S; Dumka, Ankur; Gehlot, Anita; Singh, Rajesh; Rashid, Mamoon; Alshehri, Abdullah; AlGhamdi, Ahmed Saeed	Computer Engineering	Electronics	2022	2079-9292	Scopus & Web of Science
40	An Optimization-Based Diabetes Prediction Model Using CNN and Bi-Directional LSTM in Real-Time Environment	Madan, Parul; Singh, Vijay; Chaudhari, Vaibhav; Albagory, Yasser; Dumka, Ankur; Singh, Rajesh; Gehlot, Anita; Rashid, Mamoon; Alshamrani, Sultan S; AlGhamdi, Ahmed Saeed	Computer Engineering	Applied Sciences	2022	2076-3417	Scopus & Web of Science
41	Dual Battery Storage Technique for Remote, Location-Based Solar PV System and Standalone Applications	Thurai Raaj, Vellarivelli; Gorantla, Srinivasa Rao; Karunanidy, Dinesh; Dumka, Ankur; Singh, Rajesh; Rashid, Mamoon; Albagory, Yasser; Alshamrani, Sultan S	Computer Engineering	Energies	2022	1996-1073	Scopus & Web of Science

Sr. No.	Title of Paper	Name of the Author/s	Department of Faculty	Name of journal	Year of Publication	ISSN Number	Is it listed in UGC Care List/ Scopus/Web of Science / other, mention
42	Green-Tech CAV: Next Generation Computing for Traffic Sign and Obstacle Detection in Connected and Autonomous Vehicles	Kumar, VD Ambeth; Raghuraman, Manish; Rashid, Mamoon; Hakak, Saqib; Reddy, Praveen Kumar	Computer Engineering	IEEE Transactions on Green Communications and Networking	2022	2473-2400	Scopus & Web of Science
43	A Cost-Effective Solution for Non-Convex Economic Load Dispatch Problems in Power Systems Using Slime Mould Algorithm	Kamboj, VK; Kumari, CL; Bath, SK; Prashar, D; Rashid, M; Alshamrani, SS; AlGhamdi, AS	Computer Engineering	Sustainability	2022	2071-1050	Scopus & Web of Science
44	A drone-based data management and optimization using metaheuristic algorithms and blockchain smart contracts in a secure fog environment	Khan, Abdullah Ayub; Laghari, Asif Ali; Gadekallu, Thippa Reddy; Shaikh, Zaffar Ahmed; Javed, Abdul Rehman; Rashid, Mamoon; Estrela, Vania V; Mikhaylov, Alexey	Computer Engineering	Computers and Electrical Engineering	2022	0045-7906	Scopus & Web of Science
45	Automatic Vehicle Identification and Classification Model Using the YOLOv3 Algorithm for a Toll Management System	Rajput, Sudhir Kumar; Patni, Jagdish Chandra; Alshamrani, Sultan S; Chaudhari, Vaibhav; Dumka, Ankur; Singh, Rajesh; Rashid, Mamoon; Gehlot, Anita; AlGhamdi, Ahmed Saeed	Computer Engineering	Sustainability	2022	2071-1050	Scopus & Web of Science
46	An Efficient Machine Learning-Based Feature Optimization Model for the Detection of Dyslexia	Ahmad, Nazir; Rehman, Mohammed B.; El Hassan, Hatim Mohammed; Ahmad, Iqrar; Rashid, Mamoon	Computer Engineering	Computational Intelligence and Neuroscience	2022	1687-5273	Scopus & Web of Science
47	A Comparative Study of Quercetin-Loaded Nanocochleates and Liposomes: Formulation, Characterization, Assessment of Degradation and In Vitro Anticancer Potential	Munot, Neha; Kandekar, Ujjwala; Giram, Prabhanjan S; Khot, Kavita; Patil, Abhinandan; Cavalu, Simona	Pharmacy	Pharmaceutics	2022	1999-4923	Scopus & Web of Science
48	Encapsulation of Lactic Acid Bacteria by Lyophilisation with Its Effects on Viability and Adhesion Properties	Patil, Abhinandan; Munot, Neha; Patwekar, Mohsina; Patwekar, Faheem; Ahmad, Irfan; Alraey, Yasser; Alghamdi, Saad; Kabrah, Ahmed; Dablool, Anas S; Islam, Fahadul	Pharmacy	Evidence-Based Complementary and Alternative Medicine	2022	1741-4288	Scopus & Web of Science
49	Functional Thermoresponsive Hydrogel Molecule to Material Design for Biomedical Applications	Pardeshi, Sagar; Damiri, Fouad; Zehravi, Mehrukh; Joshi, Rohit; Kapare, Harshad; Prajapati, Mahendra K; Munot, Neha; Berrada, Mohammed; Giram, Prabhanjan S; Rojekar, Satish	Pharmacy	Polymers	2022	2073-4360	Scopus & Web of Science
50	Manufacturing of Pure Iron by Cold Rolling and Investigation for Application in Magnetic Flux Shielding	Satpute, Nitin; Dhoka, Prakash; Iwaniec, Marek; Jabade, Siddharth; Karande, Pankaj	Mechanical Engineering	Materials	2022	1996-1944	Scopus & Web of Science
51	Dataset of Vector Mosquito Images	Pise, Reshma; Patil, Kailas; Laad, Meena; Pise, Neeraj	Computer Engineering	Data in Brief	2022	2352-3409	Scopus & Web of Science
52	Design, Synthesis and Bioevaluation of Highly Functionalized 1,2,3-Triazole-Guanidine Conjugates as Anti-Inflammatory and Antioxidant Agents	Siddiqui, Madiha A; Nagargoje, Amol A; Shaikh, Mubarak H; Siddiqui, Rashiqua A; Pund, Amit A; Khedkar, Vijay M; Asrondkar, Ashish; D, Prathmesh P; Shingate, Bapurao	Pharmacy	Polycyclic Aromatic Compounds	2022	1563-5333	Scopus & Web of Science
53	Synthesis of N-Methylene Linker Containing Phthalimide Bearing-1H-1,2,3-Triazole by Click Chemistry Approach: Anticancer Activity in Human Cells	Mori, Navneet P; Parmar, Priti K; Khedkar, Vijay M; Khunt, Ranjan C	Pharmacy	Polycyclic Aromatic Compounds	2022	1563-5333	Scopus & Web of Science
54	Synthesis of fluoro-rich pyrimidine-5-carbonitriles as antitubercular agents against H37Rv receptor	Kapadiya, Khushal M; Kavadia, Kishor M; Khedkar, Vijay M; Dholaria, Piyush V; Jivani, Amita J; Khunt, Ranjan C	Pharmacy	Heterocyclic Communications	2022	2191-0197	Scopus & Web of Science
55	New 1,2,3 Triazole Tethered Thiazolidinedione Derivatives: Synthesis, Bioevaluation and Molecular Docking Study	Shaikh, Mubarak H; Subhedar, Dnyaneshwar D; Akolkar, Satish V; Nagargoje, Amol A; Asrondkar, A; Khedkar, Vijay M; Shingate, Bapurao B	Pharmacy	Polycyclic Aromatic Compounds	2022	1563-5333	Scopus & Web of Science

Sr. No.	Title of Paper	Name of the Author/s	Department of Faculty	Name of journal	Year of Publication	ISSN Number	Is it listed in UGC Care List/ Scopus/Web of Science / other, mention
56	DTP/SiO 2 Assisted Synthesis of New Benzimidazole-Thiazole Conjugates Targeting Antitubercular and Antioxidant Activities	Hebade, Madhav J; Dhumal, Sambhaji T; Kamble, Sonali S; Deshmukh, Tejshri R; Khedkar, Vijay M; Hese, Shrikant V; Gacche, Rajesh N; Dawane, Bhaskar S	Pharmacy	Polycyclic Aromatic Compounds	2022	1563-5333	Scopus & Web of Science
57	AI-federated novel delay-aware link-scheduling for Industry 4.0 applications in IoT networks	Patil, Suvarna Abhijit; Gokhale, Prasad Kishor	Computer Engineering	International Journal of Pervasive Computing and Communications	2022	1742-7371	Scopus & Web of Science
58	Synthesis, Biological Activity, and Computational Study of 1-[5-(4-Methylthiazol-5-yl)-2-phenyl-1,3,4-oxadiazol-3(2H)-yl]ethanone Derivatives	Nirmala, Darekar; Sushama, Takate; Hemant Akolkar; Mubarak, Shaikh; Vijay, Khedkar; Bhausaheb Karale; Sadhana Mhaske	Pharmacy	Russian Journal of General Chemistry	2022	1608-3350	Scopus & Web of Science
59	Oxadiazole: A highly versatile scaffold in drug discovery	Nisheeth, Desai; Jahnvi, Monapara; Aratiba, Jethawa; Vijay, Khedkar; Bapurao, Shingate	Pharmacy	Archiv der Pharmazie	2022	1521-4184	Scopus & Web of Science
60	Significance of animal experimentation in biomedical research in the current era: Narrative review	Bagade, Om; Sakat, Sachin; Mhaske, Ganesh; Taru, Poonam; Sagar, Milind; Rastogi, Manisha	Pharmacy	Journal of Applied Pharmaceutical Science	2022	2231-3354	Scopus & Web of Science
61	Synthesis, Characterization, In vitro Antimicrobial Evaluation & Molecular Docking Studies of Pyrazole Based Pyrimidine and Pyrazolone Motifs	Desai, Nisheeth C.; Khasiya, Ashvinkumar G.; Dave, Bharti P.; Khedkar, Vijay	Pharmacy	Anti-Infective Agents	2022	2211-3533	Scopus & Web of Science
62	[DBU][OAc]-mediated synthesis and anthelmintic activity of triazole–tetrazole conjugates	Madiha,Siddiqui; Mubarak, Shaikh; Amol, Nagargoje; Tarannum, Shaikh; Vijay, Khedkar, Prathmesh, Deshpande; Bapurao, Shingate	Pharmacy	Research on Chemical Intermediates	2022	1568-5675	Scopus & Web of Science
63	Design, synthesis of anticancer and anti-inflammatory 4-(1-methyl-1H-indol-3-yl)-6-(methylthio) pyrimidine-5-carbonitriles	Pravin, S. Bhale; Hemant, V. Chavan; Sadanand, S; Vijay, M. Khedkar; Radhakrishna, M. Tigote; Nikita, N. Mali; Tukaram, D. Jadhav; Nitin, B. Kamble; Swati, P. Kolat; Babasaheb, P. Bandgar; Harshal, S. Patil	Pharmacy	Synthetic Communications	2022	0039-7911	Scopus & Web of Science
64	Synthesis and Biological Evaluation of 2-(4,5,6,7-Tetrahydrobenzo[c]Isoxazol-3-yl)-4H-Chromen-4-Ones	Sujata, G. Dengale; Hemantkumar, N. Akolkar, Nirmala, R. Darekar, Mubarak, H. Shaikh, Keshav, K. Deshmukh, Sadhana, D. Mhaske, Bhausaheb, K. Karale, Dipak N. Raut; Vijay K.	Pharmacy	Polycyclic Aromatic Compounds	2022	1563-5333	Scopus & Web of Science
65	Design, synthesis, antimicrobial activity and in silico molecular docking studies of some sulfur containing pyrazole-pyridine hybrids	Nisheeth, C. Desai; Dharmpalsinh, J. Jadej; Vijay M. Khedkar	Pharmacy	Phosphorus, Sulfur, and Silicon and the Related Elements	2022	1042-6507	Scopus & Web of Science
66	Characterization of Topp-Leone Lomax Distribution based on the Generalized Lower Record Values.	Alam, Mahfooz; Wahid, Nazia; Khan, Muhammad Azam; Khan, Rafiqullah	Statestics & Mathematics	Journal of Statistics Applications and Probability	2022	2090-8431	Scopus & Web of Science
67	Effects Of Music Listening on Coping Strategies and Multiple Intelligence in Music-Experienced and Music-Nonexperience Adolescents	Agarwal, Trupti; Singh, Bhupender; Kapadnis, Chetan; Bhonsale, Indrajeet; Jabade, Siddharth	Professional Studies	Journal of Positive School Psychology	2022	2717-7564	Scopus & Web of Science
68	The Impact of Globalization and Economic Growth of Dhokra ART-Chhattisgarh-India	Potdar, Mahendra Jayprakash; Avachat-Shirke, Mukta	Design	ECS Transactions	2022	1938-5862	Scopus
69	Tourism and Yoga: A Phenomenological Analysis with Reference to Select Places in India.	Kamthe, Atul; Lahoti, Yuvraj; Inamdar, Irfan	Management	Journal of Positive School Psychology	2022	2717-7564	Scopus
70	Effect Of Binaural Beats Music Therapy On Anxiety Via Eeg Using Ann & Machine Learning – A Survey	Rankhambe, Devika; Ainapure, Bharti	Computer Engineering	Journal of Theoretical and Applied Information Technology	2022	1817-3195	Scopus

Sr. No.	Title of Paper	Name of the Author/s	Department of Faculty	Name of Journal	Year of Publication	ISSN Number	Is it listed in UGC Care List/ Scopus/Web of Science / other, mention
71	Solving Invastigative Jurisdictional Problem Through Data Localisation	Das, Shruti; Vidhya, Shetty	Law	Journal of Harbin Institute of Technology	2022	1005-9113	Scopus
72	Music Engagement and performance on Gardner's Intelligence Scale among Adolescents	Agarwal, Trupti; Singh, Bhupender; Kapadnis, Chetan; Bartake, Ruchira Kedar; Nikam, Ravi; Jabade, Siddharth	Professional Studies	Journal of Positive School Psychology	2022	2717-7564	Scopus
73	A Flexible Mechanism Based Vibration Isolator for Machine Tool Application	Satpute, Nitin Vijay; Iwaniec, Marek	Mechanical Engineering	MATEC Web of Conferences	2022	2261-236X	Scopus
74	Weighted Amarendra Distribution: Properties and Applications to Model Real-Life Data	Mohiuddin, Maryam; Dar, Shabir A; Khan, Arshad A; Omar, Khairi M; Rather, Aafaq A	Mathematics & Statistics	Journal of Statistics Applications & Probability	2022	2090-8431	Scopus
75	Impact of Aesthetics in Innovative Product Development on Consumer Perception and Acceptance	Pandey, Reena	Design	ECS Transactions	2022	1938-5862	Scopus
76	A Study on Consumer Buying Pattern on Retail Stores: A Literature Review	Sheetal, Bansude; Jayashree, Vispute	Management	International Journal of Health Sciences	2022	2550-696X	Scopus
77	Design, synthesis, antimicrobial evaluation, and in silico studies of some 4 thiazolidinone hybrids bearing coumarin and pyridine moieties	Desai, Nisheeth C; Mehta, Harsh K; Jethawa, Aratiba M; Monapara, Jahnvi D; Khedkar, Vijay M; Dave, Bharti P	Pharmacy	Journal of Heterocyclic chemistry	2022	1943-5193	Scopus & Web of Science
78	Synthesis, Characterization & Molecular Docking Study of Hydrazinylthiazole Derivatives as Antibacterial Agents, Analytical Chemistry Letters	Priti, K. Parmar; Navneet, P. Mori; V.M. Khedkar; Gaurav Sanghavi; Ranjan, C. Khunt	Pharmacy	Analytical Chemistry Letters	2022	2230-7533	UGC-CARE-I
79	Investigation of the Anti-inflammatory potential of Mono-carbonyl Analogues of Curcumin	Amol A Nagargoje; Satish V Akolkar; Mubarak H Shaikh; Hemant Kumar; N Akolkar; Deepak N Raut; Parshuram M Pisal; Vijay M Khedkar, Bapurao B Shingate	Pharmacy	Analytical Chemistry Letters	2022	2230-7532	UGC-CARE-I
80	Design, Synthesis, Antimicrobial Activity and Molecular docking Studies of Pyridine Based Thiazolidine-4-one and Its 5-Arylidene Derivatives	N.C. Desai; K.N. Shah; B.P. Dave; Vijay M Khedkar	Pharmacy	Analytical Chemistry Letters	2022	2230-7533	UGC-CARE-I
81	A Study Of Perceptions Of Passengers About In-Flight Entertainment Services	Gudge, Samarth; Satghare, Harshada	Travel and Tourism	Journal of the Maharaja Sayajirao University of Baroda	2022	0025-0422	UGC-CARE-I
82	To Study The Benefits Of Social Media Pages For Enhancing Tourism By Using Content Analysis: A Case Study Of Bati (Backpackers And Travellers Of India) Page On Facebook	Sutare, Nishant; Wankhede, Chandrashekhar	Travel and Tourism	Dogo Rangsang Research Journal	2022	2347-7180	UGC-CARE-I
83	Role Of DCCB'S In Doubling Farmers Income A Case Study Of Satara District Cooperative Bank	Kamble, Amol; Shankar, Girija; Anil, Karanjkar	Economics / Economics	Journal of Fundamental & Comparative Research, ShodhSamhita	2022	2277 - 7067	UGC-CARE-I
84	Are We Heading Towards Sustainable Breathing In Pune City?	Kamble, Amol; Jumde, Manjiri	Pharmacy	Journal of Fundamental & Comparative Research, ShodhSamhita	2022	2277 - 7067	UGC-CARE-1
85	A Step-By-Step Synthesis of S-Methylene Linker Containing Triazole-Benzoxazole Hybrids by Click Chemistry Approach: Anticancer Activity in Human Cells	Jivani, Amita J; Lunagariya, Kaushik S; Kapadiya, Khushal M; Dholaria, Piyush V; Khedkar, Vijay M; Khunt, Ranjan C	Yoga & Naturopathy	Analytical Chemistry Letters	2022	2230-7532	UGC-CARE-1

Sr. No.	Title of Paper	Name of the Author/s	Department of Faculty	Name of Journal	Year of Publication	ISSN Number	Is it listed in UGC Care List/ Scopus/Web of Science / other, mention
86	The Role of Alternate Nostril Breathing (Anuloma Viloma) Technique in Regulation of Blood Pressure	Kanorewala, Burhanuddin Zoeb; Suryawanshi, Yogesh Chandrakant	Yoga & Naturopathy	Asian Pacific Journal of Health Sciences	2022	2349-0659	UGC-CARE-I
87	Study Of Social Media Use Among The Selected States Of India	Satghare, Harshada; Sawant, Madhuri	Travel and Tourism	Dogo Rangsang Research Journal	2022	2347-7180	UGC-CARE-I
88	To study the benefits of social media pages for enhancing tourism by using content analysis:A case study of BATI(Backpackers and Travellers India) page on Facebook	Sutare, Nishant	Travel and Tourism	Dogo Rangsang Research Journal	2022	2347-7180	UGC-CARE-1
89	Sustainability and Role of Advertising Design	Kaje, Shraddha; Atre, Avadhut	Design	Rabindra Bharati Journal Of Philosophy	2022	0973-0087	UGC-CARE-1
90	Innovations in Green Nanoscience and Nanotechnology Synthesis, Characterization, and Applications	Kulkarni, Shrikaant		Innovations in Green Nanoscience and Nanotechnology Synthesis, Characterization, and Applications	2022	9781003319153	Book Web of Science
91	Undoped and Doped Carbon Nanotubes for Remediation of Contaminants from Wastewater	Karne, Hemlata; Kulkarni, Shrikaant	Water, Sanitation & Hygiene	Carbon Nanotubes for a Green Environment	2022	9781003277200	Book Web of Science
92	Carbon Nanotubes For Biomedical Applications	Kulkarni, Shrikaant	Water, Sanitation & Hygiene	Carbon Nanotubes for a Green Environment	2022	9781003277200	Book Web of Science
93	Expert Systems in Behavioral and Mental Healthcare: Applications of AI in Decision Making and Consultancy	Kulkarni, Shrikaant	Water, Sanitation & Hygiene	Big Data Analytics and Machine Intelligence in Biomedical and Health Informatics: Concepts, Methodologies, Tools and Applications	2022	9781119791737	Book Chapter Web of Science
94	User Interface Design With Data Visualization Technique: Case Study of the COVID-19 Pandemic in India	Pise, Reshma Nitin; Ainapure, Bharati Sanjay	Computer Engineering	Designing User Interfaces With a Data Science Approach	2022	1799891216	Book Chapter Web of Science
95	Blockchain Technology: Revolution from a Centralized to Distributed Systems	Mane, Ashwini Subodhan; Ainapure, Bharati Sanjay	Computer Engineering	Data Intelligence and Cognitive Informatics	2022	9789811585302	Book Chapter Web of Science
96	Innovations in Green Nanoscience and Nanotechnology : Synthesis, Characterization and Applications	Kulkarni, Shrikaant	Water, Sanitation & Hygiene		2022	9781003319153	Book Chapter Web of Science
97	Expert Systems in Behavioral and Mental Healthcare: Applications of AI in Decision-Making and Consultancy	Kulkarni, Shrikaant	Water, Sanitation & Hygiene		2022	9781119792376	Book Chapter Web of Science
98	Globalization and Warli Tribal Art	Khandekar, Nisha	Fashion Design	International Journal of Research Granthaalayah	2022	2350-0530	
99	Globalization and its effects on the Warli art	Khandekar, Nisha	Fashion Design	AGE Journal of Social Inclusion Studies Editorial Office	2022	2394-4811	
100	Fundamental Principle And Applications Of Iontophoresis In Contemporary Advancement Of Drug Delivery System: A Critical Appraisal	Bagade, Om; Doke, Priyanka	Pharmacy	International Journal Of Pharmaceutical Sciences And Research	2022	0975-8232	
101	Performance Comparison of Imputation Methods for Heart Disease Prediction	Tiwaskar, Shweta A; Gokhale, Prasad	Computer Engineering	Artificial Intelligence for Innovative Healthcare Informatics	2022		
102	Preparation of biological micro powder based epoxy composite with improved damping factor and investigation for application in a MEMS sensor packaging	Satpute, Nitin; Joshi, Atharva; Utpat, Kaustubh; Kulkarni, Nishant; Buddhi, Dharam; Jabade, Siddharth; Selmokar, Preetam	Mechanical Engineering	2022 3rd International Conference on Intelligent Engineering and Management (ICIEM)	2022		

Sr. No.	Title of Paper	Name of the Author/s	Department of Faculty	Name of Journal	Year of Publication	ISSN Number	Is it listed in UGC Care List/ Scopus/Web of Science / other, mention
103	Torsional Tuned Mass Damper System Parameter Identification with Experimental Method	Satpute, Nitin Vijay; Gurav, Omkar Jaywant; Korwar, Ganesh Dattatray; Walame, Mahesh Vishnoo; Jabade, Siddharth; Khule, Anil Laxman; Channapattan, Raghavendra Suresh	Mechanical Engineering	2022 3rd International Conference on Intelligent Engineering and Management (ICIEM)	2022		
104	Impact of Covid'19 on Indian Stock Prediction by Technical Indicators	Pattewar, Tareek; Jain, Dinesh	Computer Engineering	2022 International Conference for Advancement in Technology (ICONAT)	2022		
105	Digital Learning: A Survival Strategy to Unlock Opportunity	Shintre, Pallavi Niranjan; Lakhangaonkar, Supriya Mahesh	Management		2022		
106	Smart tourism: antecedents to Indian traveller's decision	Manisha, Paliwal; Nishita, Chatradhi; Archana,Singh; Ramkrishna Dikkatwar	Management	European Journal of Innovation Management	2022	1460-1060	Scopus and Web of Science
107	A Study on Effectiveness of Big Data Analytics on Organizational Growth with reference to Manufacturing Sector	Priyanka, Pawar; Charulata, Kulkarni; Pashmina, Doshi; Priyanka Darekar	Management	Neuro Quantology	2022	1303-5150	Scopus
108	Growth with reference to Manufacturing Sector	Lakhangaonkar, Supriya; Kishore Shweta; Kamath, Kavita	Management	Journal of Information & Optimization Sciences	2022	2169-0103	Scopus and Web of Science
109	Does Investor'S Attitude Matter? – A Study Of Investment Management By Working Women Investors	Lakhangaonkar, Supriya; Kishore, Shweta	Management	Journal of Information and Optimization Sciences	2022	2169-0103	Scopus and Web of Science
110	A Study On Students Online Buying Behavior Influenced By Facebook Advertising With Special Reference To Colleges	Manochandar, Barathi, Ibadat Khan, Mhatre, Bhadane, & Sharma	Psychology	Journal Of Pharmaceutical Negative Results	2022	2229-7723	Scopus and Web of Science
111	A Study Of Perceptions Of Passengers About In-Flight Entertainment Services	Gudge, Samarth; Satghare, Harshada	Travel and Tourism	Journal of the Maharaja Sayajirao University of Baroda	2022	0025-0422	UGC-CARE-I
112	To Study The Benefits Of Social Media Pages For Enhancing Tourism By Using Content Analysis: A Case Study Of Bati (Backpackers And Travellers Of India) Page On Facebook	Sutare, Nishant; Wankhede, Chandrashekhar	Travel and Tourism	Dogo Rangsang Research Journal	2022	2347-7180	UGC-CARE-I
113	Role Of Dccb'S In Doubling Farmers Income A Case Study Of Satara District Cooperative Bank	Kamble Amol;Dr Shankar Girija;Dr Anil Karanjkar	Economics	Journal of Fundamental and Comparative Research, ShodhSamhita	2022	2277-7067	UGC-CARE-I
114	Single Intrusion Detection System For Detection Of Multiple Ddos Attacks	Kumavat Kavita	Computer Engineering	Industrial Engineering Journal	2022	0970-2555	UGC-CARE-I
115	Natural Polymers-Based Nanoparticles Targeted to Solid Tumors	Shrikaant Kulkarni	Water, Sanitation & Hygiene	Environmental Chemistry for a Sustainable World	2022	2213-7122	Book Chapter Web of Science
116	Enhancement of Permeation Rate of Rifabutin Using Encapsulation of Lipid-Based Nanoparticles through Chicken Ileum by Statistical Optimization Approach	Bagade, Om; Doke-Bagade, Priyanka	Innovations in Green Nanoscience & Nanotechnology: Synthesis, Characterization, & Applications	Pharmacy	2022	9.781E+12	Book Chapter Web of Science
117	Whole Plant Extracts Of Mentha Arvensis Ameliorates Antidepressant Activity In Albino Mice	Bagade, Om; Tupe, Preeti; Juvekar, Archana; Alhat, Archana; Khatawkar, Ashok; Syed, Sabeena; Sakat, Sachin	International journal of pharmacy and pharmaceutical research	Pharmacy	2022	2349-7203	

Sr. No.	Title of Paper	Name of the Author/s	Department of Faculty	Name of Journal	Year of Publication	ISSN Number	Is it listed in UGC Care List/ Scopus/Web of Science / other, mention
118 119	Use Of Social Networking Sites For Tourism Marketing : Current Scenario And Future Prospects	Satghare, Harshada; Sutare, Nishant	Promotion and advertising of Leisure activities for sustainability of hospitality	Travel and Tourism	2022	978-81-8204-126-4	
120	Pros And Cons Of National Education Policy 2020	Sutare,Nishant; Rathod,Vilas	Perspective: Multidisciplinary Approach	Travel and Tourism	2022	978-93-88901-22-2	
	Importance of Naad yoga for reducing the stress	Adishri Milind Pote; Yogesh Chandrakant Suryawanshi	Yoga & Naturopathy	Naad-Nartan Journal of Dance & Music	2022	2349-4654	UGC-CARE-I
121	VegNet: Dataset of vegetable quality images for machine learning applications	Yogesh Suryawanshi; Kailas Patil; Prawit Chumchu	Yoga & Naturopathy	Data in Brief	2022	2352-3409	UGC-CARE-II

14.2 BOOKS PUBLISHED

1. Dr. Bibek Datta published his book on 'Preferences and Changing needs of Business Travellers' by Lambert Academic Publishing.

2. Prof. Amrita Thakur, Prof. Neeta Rai, Prof. Om Bagade, Prof. Swati Mutha published her book 'A Practical Book Pharmaceutical for D.Pharm' by Nitya Publications, New Delhi.

3. Dr. Omvir Gautam published his book 'Indian SMEs and Startups: Growth through Innovation and Leadership' by World Science Publications.

4. Prof. Abhishek Bhosale published his book- 'Copyright Guide for Indian Libraries' by Vishwakarma University Publications.

5. Prof. Tareek Pattewar Published his book titled- 'Autonomous Drone Navigation system' by Lambert Academic Publications.

6. Prof. Om Bagade published his Book- 'Textbook of Biochemistry for B-Pharma' by Pritam Publications.

7. Prof. Poonam Taru won 1st prize in Oral Competition for presentation on the topic ' Acute And Subacute Toxicity Studies On Shodhana Processed Guggul ' during APP 17th Indo-Us INTERNATIONAL CONFERENCE Theme: "Recent Advances and Global Trends in Pharmaceutical Sciences" at St. Pauls College of Pharmacy, Turkayamjal, Abdullapurmet, Ranga Reddy, Telangana.

8. Prof. Pallavi Dhekale and Prof. Poonam Inamdar Published their book titled- 'A textbook of Pharmaceutical Analysis I' byPritam Publications.

9. Prof. Pallavi Dhekale Published her book titled- 'A textbook of Pharmacognosy' by Pritam Publications.

10. Dr. Neha Munot published a book named- Pharmaceutical Microbiology by Tech Knowledge Publications.

11. Prof. Kavita Kumavat published her book 'IoT and Embedded System' by Nirali Publishing

12. Prof. Kavita Kumavat published her book 'Computer Network and Security' by Nirali Publishing

13. Prof. Nikita Hanche Published her book 'The Principles of IoT Analytics' by Scientific International Publishing House.

14. Prof. Bharti Ainapure published her book 'Infrastructure Security' by StarEdu Solutions Publications.

15. Prof. Sonali Botkar published her book 'VANET: Challenges and Opportunities' by CRC Focus Series Publications.

16. Prof. Nazia Wahid published her book 'artificial Intelligence: A Novel Technology For Business' by Academic Guru Publishing House

17. Prof. Dr. Sanjesh Pawale Published his Book 'Computer Graphics' by Tech-Neo Publications.

18. Dr. Sanjesh Pawale Published his Book 'Computer Graphics and Multimedia System' by Tech-Neo Publications.

19. Prof. Bindurani Ram published her book 'Environment and Society for Sustainability' by

20. Dr. Shrikaant Kulkarni published his book 'Advances in Green and Sustainable Nanomaterials Applications in Energy, Biomedicine, Agriculture, and Environmental Science' by CRC Publications

21. Dr. Shrikaant Kulkarni published his book 'Carbon Nanotubes for a Green Environment Balancing the Risks and Rewards' by CRC Publications

22. Dr. Pashmina Doshi published her book "Legal Aspects of

Finance and Security Law" by Nirali Publications.

23. Dr. Pashmina Doshi published her book "International Human Resource Management" by Nirali Publications.

24. Prof. Pooja Kulkarni published her book "E Learning Management- A Modern Approach to Digital India and Challenges of 21st Century" by Kaav Publications.

25. Prof. Pooja Kulkarni published her book "E Media- A Boon or a Curse for Adolescents?" by Kaav Publications.

26. Prof. Hepi Suthar published her book "Computer Forensic" by Notion Press Media Pvt Ltd

27. Dr. Bindurani L G P Ram Published her book, "Quality Control and Standardization of Herbals" by Technical Publications.

28. Dr. Bindurani L G P Ram Published her book, "Remedial Biology" by Technical Publications.

29. Dr. Bindurani L G P Ram Published her book, "Environment and Society for Sustainability"

14.3 BOOK CHAPTER PUBLISHED

1. Prof. Omvir Guatam published his book chapter named "Role of technology in improving the quality financial advisory for personal financial management," in the book 'Advanced Machine Learning Algorithms for Complex Financial Applications' by IGI Global publications.

2. Prof. Omvir Gautam and Prof. Pooja Agarwal published their book chapter named "Employees' Attitudes and Perceptions Towards Electronic Monitoring Surveillance Affecting Employee Behavior: An Exploratory Evidence From the Airline Industry" in the IGI Global.

3. Dr. Omvir Gautam and Dr. Pooja Agrawal published his book chapter named, "Evaluating consumer behavior for wine during pandemic and its implications for marketers" in the edited book, "Emerging Business Trends and Management Practices: Lessons from the Pandemic" by Taylor and Francis Group.

4. Prof. Mrunalini H kulkarni, Prof. Poonam Taru, Prof. Neeta Rai published a book chapter named, 'Various types of fermentation process' in the book, 'Recent Advances in Microbiology Research'

5. Prof. Aishwarya Khadse published her book chapter- 'Parameters for Quantitative Evaluation of Non-structured SustainableStrategies for the Management of Water in Urban Area' in the book 'Sustainability in the Built Environment in the21st Century: Lessons Learned from India and the Region' has recently been published in electronic and print format by Springer publication.

6. Prof. Yogesh Suryawanshi published his book chapter in the book- 'Biotechnological Approaches to Enhance Plant Secondary MetabolitesRecent Trends and Future Prospects' named- 'Hydroponic Cultivation Approaches to Enhance the Contents of the Secondary Metabolites in Plants'

7. Prof Prashant Acharya Published his book chapter named 'the Impact Of The Digital Era And E-Resources Affecting On Designer's Mindset Could Result In Infringement Of Design While Moving Towards 21st Century Digital' in the book

'E-Learning Management- A Modern Approach to Digital India & Challenges in 21st Century' by Kaav Publication, Delhi.

8. Prof. Om Bagade Published his book chapter titled- 'Enhancement of Permeation Rate of Rifabutin Using Encapsulation of Lipid Based Nanoparticles By Using Chicken Ileum with Statistical Optimization Approach' in the book by Taylor & Francis Group, LLC

9. Prof. Manoj Gadewar Published his book chapter named 'Applications of Inorganic Polymers in Textile Wastewater Treatment' in the book titles 'Polymer Technology in Dye-containing Wastewater' by Springer Publications.

10. Prof. Pallavi S. Dhekale, Prof. Poonam Inamdar, Prof, Mrunalini Kulkarni, Prof. Makarand Puri and Prof. Poonam Taru published book chapter titled "Cyclodexrin Inclusion Complex for Water Solubility Enhancement" in edited book titled "Recent Research Trends in Pharmaceutical Science (Volume - 1)".

11. Prof. Neerja Aswale and Prof. Rahul Waghmare published their book chapter- 'A Global Review of the Impact of Human Resource Management Practices on SMEs and Start-ups' in the book 'Managing Human Resources in SMEs and Start-ups' by World Scientific Publishing Europe Ltd.

12. Prof. Rahul Waghmare and Prof. Yogesh Desale published their book chapter 'Understanding the Business Model of Uralungal Labour Contract Cooperative Society: India's Oldest Workers' Cooperative' in the book 'Cooperatives as a Catalyst for Sustainability' by World Scientific Publishing Company

13. Prof. Reshma Pise and Prof. Bharti Ainapure published her book chapter in the book- 'A volume in the Advances in Systems Analysis, Software Engineering, and High Performance Computing (ASASEHPC) Book Series' named, 'User Interface Design With Data Visualization Technique: Case Study of the COVID-19 Pandemic in India'

14. Prof. Yogesh Desale published his book chapter "Impact of

COVID-19 on Consumer Behaviour" for publication in the book titled 'COVIMPACT'

15. Prof. Yogesh Desale published his book chapter "Security Limitations And Challenges Of Implementing E-Business" for publication in the book titled 'New Paradigms In Business Management Practices Volume-3'

16. Prof. Archana Singh Published her book chapter named 'Sentiment Analysis for Sustainable Healthcare During Pandemic Outbreak: Lessons Learned from COVID-19' in the book 'Global Healthcare Disasters Predicting the Unpredictable with Emerging Technologies'

17. Dr. Sukhdeo Ingale published his book chapter in the book, 'Contemporary Challenges in Consumer Protection' named 'Shielding Consumer Victims of E-banking Frauds: A Comprehensive Analysis of the Global Remedial Mechanisms'

18. Prof. Ashwini Sonawane published chapter titled 'An Influence of Artificial Intelligence on Jobs and HRM inSmall Manufacturing Units' in the book titled ' Managing Human Resources in SMEs and Start-ups: International Challenges and Solutions'

19. Prof. Vijaya Hake published chapter titled 'Risk Management' is accepted for publication in the book titled 'Contemporary Evolutions and Commerce-Management'

20. Dr. Jagdish Tawade Published his book chapter in the book 'Analysis of Mathematical Sciences and its Applications' named 'effects Of Work Done By Deformation And Non-Uniform Heat Source/Sink On Flow And Heat Transfer Of Mhd Viscoelastic Fluid Over A Stretching Sheet'

21. Dr. Jagdish Tawade published chapter "Effects of Work Done by Deformation and Non-Uniform Heat Source/Sink on Flow and Heat Transfer of MHD Viscoelastic Fluid Over a Stretching Sheet" in an Edited Book titled: "Analysis Of Mathematical Sciences And Its Applications".

22. Dr. Jagdish Tawade published chapter "Numerical solution of boundary layer flow problem of a maxwell fluid past a porous stretching surface" in an Edited Book titled: "A Springer Book series Proceedings".

23. Dr. Jagdish Tawade published the chapter "Mathematical and Computational Analysis of MHD Viscoelastic Fluid Flow and Heat Transfer over Stretching Surface Embedded in a Saturated Porous Medium" in an Edited Book titled: "A Springer Book series Proceedings".

24. Prof. Sonali Manwatkar, Prof. Makrand Puri and Prof. Poonam Inamdar published chapter titled "Flipped – Blended Learning Methodology: A Contemporary ICT Tool in Education" in the Edited Book titled "Contemporary Research in Management, Information Technology & Social Science

25. Prof. Swati Mutha published chapter titled "Mucoadhesive Microspheres: Racecadotri Microspheres Formulation Case Study" in the Edited Book titled "Recent Advances In Pharmaceutical Sciences"

26. Prof. Deepshikha Sharma published her book chapter in the book, 'Contemporary Challenges in Consumer Protection' named 'Impact Analysis of false or Misleading Advertisements'

27. Dr Avadhut Atre published his book chapter titled "Melodic Impact on Advertising: An Active Role of Music In Advertisement" in the book 'emerging Trends: In Advertising And Marketing Communication Strategies'

28. Dr Avadhut Atre published his book chapter titled "Corporate Social Responsibility (CSR) initiative Facilitated Society, Advertisers and Corporates" in the book 'emerging Trends: In Advertising And Marketing Communication Strategies'

29. Dr Avadhut Atre published his book chapter titled "An Overview of textile waste and importance of sustainability in the Fashion Industry" in The Book Ecocriticism And World Literature : An Overview

30. Dr Avadhut Atre published his book chapter titled "Significance of Cultural Identity in Baiga Tribe, Madhya Pradesh" in the book Ecocriticism And World Literature : An Overview

31. Dr. Shraddha Khamparia, Dr. Sidhharth Jabade, Dr. Shrikant Kulkarni, Dr. Dhananjay Bhatkhande and Ms. Priya Nakade published their book chapter on "IoT for Water Management" in the book- Internet of Things Applications for Sustainable Development.

32. Dr. Radheshyam Jadhav, Dr. Siddharth Jabade, Dr. Shraddha Khamparia and Prof. Ankita Sangle published their article titled "Will Renewable Energy Facilitate Feminisation of Agriculture in India?" in the Energy Review Magazine

33. Prof Radhakrishna Batule published his book chapter titled "Business Management Dynamics and Pandemic" in the ABS book.

34. Prof. Rahul Mate published his book chapter titled "New Media And Youth: A Review On New Media s Potential For Journalism, Marketing And Education" in the book-'Changing Paradigm in New Media'

35. Dr. Shrikaant Kulkarni published his book chapter "Eco-Friendly Applications of Graphene Nanomaterials in Energy Storage Devices: A Review" in the book- 'Advances in Green and Sustainable Nanomaterials Applications in Energy, Biomedicine, Agriculture, and Environmental Science'

36. Dr. Shrikaant Kulkarni published his book chapter

"Advances in High Volumetric Density Carbon Nanotubes for Electrochemical Energy Storage" in the book- 'Advances in Green and Sustainable Nanomaterials Applications in Energy, Biomedicine, Agriculture, and Environmental Science'

37. Dr. Shrikaant Kulkarni published his book chapter "Role of Green Nanomaterials in Sustainable Agriculture" in the book- 'Advances in Green and Sustainable Nanomaterials Applications in Energy, Biomedicine, Agriculture, and Environmental Science'

38. Dr. Shrikaant Kulkarni published his book chapter "Undoped and Doped Carbon Nanotubes for Remediation of Contaminants from Wastewater" in the book- 'Carbon Nanotubes for a Green Environment Balancing the Risks and Rewards'

39. Dr. Shrikaant Kulkarni published his book chapter "Undoped and Doped Carbon Nanotubes for Remediation of Contaminants from Wastewater" in the book- 'Carbon Nanotubes for Biomedical Applications'

40. Dr. Shrikaant Kulkarni published his book chapter "Potential of Carbon Nanotubes for Green Applications" in the book- 'Nanotechnology Horizons in Food Process Engineering, Volume 2 Scope, Biomaterials, and Human Health'

41. Dr. Shrikaant Kulkarni published his book chapter "Expert Systems in Behavioral and Mental Healthcare: Applications of AI in Decision-Making and Consultancy" in the book- 'Big Data Analytics and Machine Intelligence in Biomedical and Health Informatics: Concepts, Methodologies, Tools and Applications'

42. Dr. Shrikaant Kulkarni published his book chapter "Artificial Intelligence for sustainable e-health" in the book- 'The Internet of Medical Things'

43. Dr. Prasad Gokhale published his book chapter "Performance Comparison ofImputation Methods for Heart DiseasePrediction" in the book- 'Artificial Intelligence for Innovative Healthcare Informatics'

44. Dr. Harshada Satghare published her book chapter "Use of Social Networking sites for Tourism Marketing: Current Scenario & Future Prospects" in the book- 'Promotion and Advertising of Leisure Activities for Sustainability of Hospitality'

45. Dr. Pashmina Doshi published her book chapter "Disruptive Turnaround Strategies Towards Niche Markets & Clean Energy Sustainability: Entrepreneurial Grit & Business Model Innovation By Dee-Piping Systems" in the book 'Real life Case Studied'

46. Dr. Jayashree Vispute and Prof. Amol Randive Published their book chapter titled " A Study of Perspectives on the Growth, Strategy, and Branding in Indian MSMEs"

47. Dr. Omvir Gautam, Dr. Pooja Agrawal, and Dr. Jayashree Vispute published their book chapter "Evaluating Consumer Behavior for Wine during Pandemic and Its Implications for Marketers" in the book- 'Emerging Business Trends and Management Practices Lessons from the Pandemic'

14.4 CONSULTANCIES AND PROJECTS

1. Dr. Nitin Satpute completed a sponsored research project from HODEK on Design and Development of semi active torsional vibration dampers based on smart materials.

2. Prof. Mrunalini Kulkarni completed a Project on 'Development of Bio-nanocomposite film of copper oxide nanoparticles of Ivy gourd extract incorporated with glucon and lemongrass oil for food preserving application.' under the DST grant.

3. Sahyadri Farms

4. NEA Life Private Limited- Dept of Psychology

5. WILO Consultancy

6. FUEL Consultancy- C&M Prof. Archana

7. ICMR Project Prof Bharti Ainapure

8. FUEL- Prof Bharti Ainapure

9. SERB- Prof Bharti Ainapure

10. Maharashtra State Faculty Development Academy (MSFDA) Project

11. SERB- prof. Jagdish Tawade

12. DIAT prof. Jagdish Tawade

13. SERB- Prof. Jameel Ansari

14. Rajani Consultancy Prof. Swati Mutha

15. SERB Prof. Nazia

16. Prof. Deepshikha Sharma Consultancy shubham khurana

17. Mandar Naik- KPCL Project

18. Prof. Sonali Pawar- Friends Union for Energizing lives

19. Prof. Apurwa Bhilare- ATS Consultants

15 | INDUSTRY CONNECT

VISHWAKARMA UNIVERSITY PLACEMENT AND CAREER PROGRESSION OFFICE

OUR APPROACH

Vishwakarma University (VU) is committed to providing student placements support, wider exposure, greater insights, and better practice to ensure that students are career ready. The goal is to maximize students' potential for life and livelihood.

In order to map student preferences, skill sets, and possible career pathways, the university conducts batch profiling exercises for all pre-final year students. This helps in providing the best possible training, mentoring, job opportunities, and other career advancement opportunities.

The Placement and Career Progression Office at VU also facilitates job openings, job requirements, internship opportunities, and paid projects as part of the Campus Placement program for all final year students.
We strive to edify future architects keeping pace with the requirements of the profession.

PLACEMENT AND CAREER PROGRESSION ASSISTANCE PROGRAMME (PCPAP)

Our unique initiatives in the form of Placement & Career Progression Assistance Programme (PCPAP) & Campus Placement Drives, are enabling students with finishing school training, hands-on learning experiences & online, offline, pool campus placements.

Teaching-Learning for Skilling

Finishing School Training

Campus Placement Drives

Academic Alignment (practical, assignments, industry relevant curriculum, skill courses)
Industry Exposure (visits, workshops, industry interactions)
Hands-on learning (semester internships, summer internships, live projects)

Domain-Technical (emerging trends, digital age skills, advanced topics)
Soft Skills (presentation, teamwork, leadership, body language, GD, PI)
Corporate (business etiquette, office productivity, professional effectiveness, portfolio, LinkedIn)

Practice (mock GD, mock PI, mock aptitude tests, resume writing, portfolio development, counseling)
Drives (offline drives, online drives, in company drives, pool campus)
Transition (pre-joining formalities, onboarding support)

Objectives of PCPAP

- To help prepare students for career progression and placement over and above academic inputs.
- To inculcate essential foundational competencies such as Communication; Project presentation and storytelling; Data literacy; Aptitude; Values, professional ethics, attitude & emotional intelligence; and Core knowledge application.
- To enable job opportunities for the students by leveraging university's industry network.
- To guide, mentor, and support students in their transition from campus to workplace.

Career Progression Pathways and Support Mechanism

Vishwakarma University provides assistance to interested candidates for meeting their career pathway goals with respect to entrepreneurship, competitive exams, and further studies. Considering the newer socio-economic realities, the students are encouraged to consider multiple pathways and select the best one for themselves.

We have also institutionalized a robust mechanism for students with other career progression aspirations including entrepreneurship (I-Qube Cell), higher education (International Relations Cell), competitive exams (Competitive Exams Guidance Cell), etc.

Start Here	Career Preference	Progression Pathways	Relevant Offices/Departments
	Job	Job through Campus, Job through Personal Network	Placement and Career Progression Cell
Batch Profiling	Business	Family Business, New Venture, Professional Practice	IPR-Innovation-Incubation Cell (I-QUBE)
	Higher Study	Study Abroad, Study within India	International Relations Cell & Respective Departments
	Non-Campus Jobs	Government Job, Public Sector Undertaking Job	Competitive Examinations Cell & Respective Departments
	Any Other	Non-Respondents in Batch Profiling, Not Serious, Other Priorities, Campus Drives Defaulters	Respective Departments & Career Support Office

Career Support Office (CSO)
Vishwakarma University (VU)

Finishing School Training Through Ethnus

Vishwakarma University partnered with the specialized training firm Ethnus to deliver training sessions with focus on below aspects;

- Quantitative Aptitude
- Logical Reasoning
- English
- Data Interpretation
- Programming
- Soft Skills

Internal Trainings for Career Readiness

The Placement and Career Progression Office team conducted sessions for the final year students to prepared them for career transition. The sessions included aspects such as;

- Entrepreneurship
- Further studies guidance
- Competitive Exams guidance
- Resume Writing
- LinkedIn Profile
- Emails and Collaboration
- Job Interview
- Group Discussion

INDUSTRY CONNECT, PLACEMENT AND CAREER PROGRESSION HIGHLIGHTS (2017-22)

- 700+ Campus Recruiters
- 1000+ Internships
- 50+ Collaborations
- Industry linkages across diverse business sectors

CAREER PROGRESSION UPDATES (2022)

Given below is the summary of VU alumni who have secured job offers through campus placement as well as professional network.

Career Progression	2022 Passing Out Batch	2021 Passing Out Batch	2020 Passing Out Batch	2019 Passing Out Batch
Job	314	181	107	36
Business	63	56	24	08
Higher Study	188	64	34	0

TOP RECRUITERS (2019-2022)

SOME OF THE OFFERS TO VU STUDENTS

INDUSTRY ON CAMPUS

As part of Industry on Campus initiatives, following possible areas of joint meaningful work are identified;

1. Live Projects, Internships and Assignments for students
2. Training of students through hands-on and interactive sessions
3. Capacity building of faculty members through planned interventions
4. Greater engagement in teaching-learning-evaluation and career support
5. Establishment of joint forums and clubs to engage and support professionals

INDUSTRY ADVISORY BOARDS (IABS)

With the aim to achieve relevance, context, and preparedness of students as per needs of the industry, domain specific Industry Advisory Boards (IABs) are getting established in VU.

The objectives are as follows;
· To strengthen industry – university connect
· To improve employability enhancement efforts
· To integrate industry perspective in teaching-learning
· To sensitize teachers about the industry requirements
· To identify industry exposure opportunities for students

CONNECTOMICS

Industry and Academia are transformational catalysts, and their partnership stimulates innovation and research. It produces cutting-edge technologies, as well as innovative perspectives and a dynamic knowledge base. With the rise of the entrepreneurial landscape, India is proving to be a thriving ground for innovations. One such attempt was the symposium on 'Industry-Academic Symposium on Translational Research and Innovation' which aims to encourage conversation between industry and academics while also looking into the prospects of innovation, technology, and entrepreneurship. Experts from NTU, Singapore, shared their industry association's success stories. This symposium was an opportunity for networking, knowledge transfer, sector-specific dialogue, and research collaboration.

CONNECTOMICS
Industry-Academic Symposium on Translational Research and Innovation

50+ R&D & Innovation Catalysts
30+ MDs, CEOs, & Founders
20+ Renowned Speakers
05+ International Speakers

Round Table Discussions

50+ Industry Participants
Glimpses of 4 Tracks
Focus Areas

Representatives of the Industry

MSME SYMPOSIUM

Vishwakarma University on 18th of December 2021 organized a Symposium on Growth of Small and Medium Enterprises.

The event was attended by around 30 Business owners of the MSME Sector. The Event was in offline mode following prescribed Pandemic Protocols, thus making it the first offline event of this academic session.
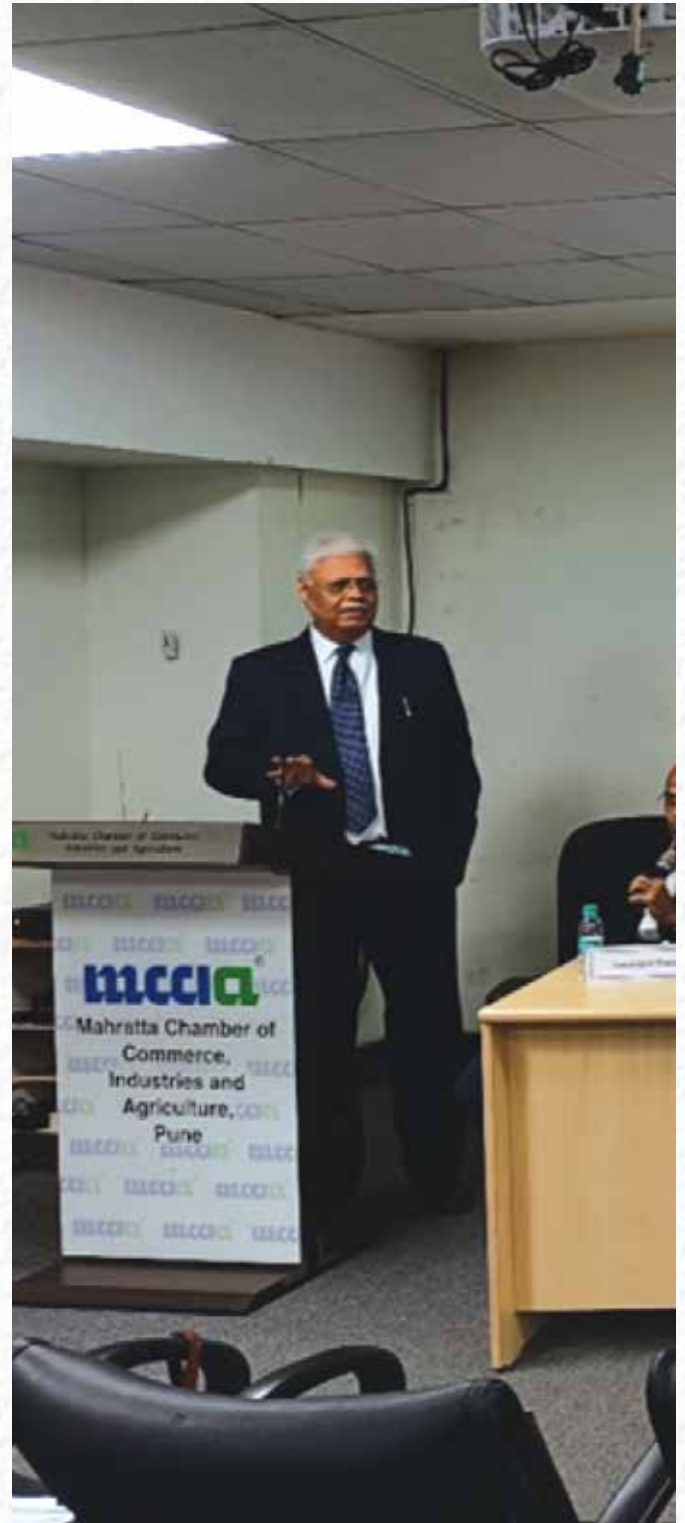
MOUS WITH INDUSTRY, GOVERNMENT OR ANY OTHER ORGANIZATIONS

Organization	Nature of Linkage/Collaboration	Brief about organization
Philips Healthcare	MoU - Collaborative Research in Healthcare	Philips is a diversified technology company, focused on improving people's lives through meaningful innovation. Students and faculties at VU are engaged in research projects under VU-Philips Collaboration
Seiler Garepa Pvt. Ltd.	MoU - Industry Exposure to Students	Seiler Garepa India Pvt. Ltd. is established with the mission of promoting Make in India. It's a joint venture between Garepa Engineers and M/s Seiler Vakuumtechnik GMBH.
Auto Cluster Development & Research Institute	MoU - Industry Exposure to Students	The Auto Cluster Development & Research Institute is a facility for providing support to Small & Medium Enterprises by providing an area of common facility, validation, training, seminar, workshop & market promotional activities especially for the automotive and engineering sector.
Friends Union for Energizing Lives (FUEL)	MoU - Employability Enhancement of Students	Friends Union for Energizing Lives (FUEL) is a credible non-profit organization which provides Career Guidance and Skilling to the students throughout India to bridge the divide that exists between industry and academia.
Mahesh Industries Group (MIG)	MoU - Interface with Micro, Small and Medium Enterprises	It is not for profit organisation, committed to promote and encourage new age entrepreneurs and be a networking platform for fellow Maheshwari Industrialist. Our Collaboration provides students an interface with Micro, Small and Medium Enterprises Our Collaboration provides students an interface with Micro, Small and Medium Enterprises
Ogee Studio Pvt. Ltd.	MoU - User Experience and User Interface Design	Ogee Studio specializes in the design and development of compelling, modern, rich user experiences (UX & UI) and interactive visualizations for complex information systems in the B2B space.
Quick Heal Technologies	MoU - Cyber Security Training and Awareness	Quick Heal Technologies Ltd. is one of the leading IT security solutions company. The collaboration with VU will enable engagement of students and faculties in cyber security awareness initiatives and trainings.
Center for Police Research (CPR)	MoU - Joint Research on Social Issues	The Centre for Police Research plans, promotes and provides education / training in leadership, security, policy, & management areas. The mutual collaboration, given each other's strength in research and facilities thereof, will mutually benefit the students and facilities of CPR & the VU.
TGC Technologies Pvt. Ltd.	MoU - Capacity Building and Projects in Gamification	VU and TGC decided to work together with a vision of Conducting research on emerging issues in the industry related to Gamification and allied disciplines, by engaging a cross-functional specialized group of teachers and students on the Gamification projects.
Kesari MICE	MoU - Industry Participation in Curriculum Design and Delivery – Travel & Tourism	Kesari MICE is a division of Kesari Tours Pvt. Ltd. which established its unique identity in the Indian tourism industry through innovative ideas and excellent services. Under VU - Kesari Mice Collaboration we enable industry participation in curriculum design and delivery.
Hodek Vibration Technologies Pvt. Ltd	MoU - Collaborative Research and Joint Projects	Hodek Vibration Technologies Pvt. Ltd. is Asia's leading manufacture of Torsional Vibration Damper for engines. VU Have collaborated with Hodek to nurture innovation and develop joint research projects
Buldhana Urban Cooperative Credit Society	MoU - Industry Participation in Curriculum Design and Delivery – Micro-Finance	Buldana Urban was established in 1986, with 456 branches in 4 states of India as of today. With an aim to bring industrial perspective in our curriculum and to enable industry participation in curriculum design VU collaborate with Buldana Urban.
HCL Technologies	MoU - Software Training and Skill Development of Students	HCL Technologies is a next-generation global technology company that helps enterprises reimagine their businesses for the digital age. Under the VU HCL Collaboration, we are trying to provide software training and skill development inputs to student to build sustainable education ecosystem

Organization	Nature of Linkage/Collaboration	Brief about organization
Jnana Prabodhini's Institute of Psychology (JPIP)	MoU - Psychometric Assessment and Counseling	Jnana Prabodhini's Institute of Psychology (JPIP) is an offspring of Jnana Prabodhini - the mother Institute and a psychology wing of Jnana Prabodhini Sanshodhan Sanstha (JPSS) and it is affiliated to the University of Pune as a research centre.
Quick Heal Foundation	MoU - Cy-Fi Arts Festival	Quick Heal Foundation, conducts competitive festival of Short Films aimed at creating a vibrant platform that portrays the impact of digital revolution on human life by name Cy-Fi Arts Festival, organized by Vishwakarma University (VU)
Ethnus	Finishing School Training	Ethnus offers industry-recognised certification programs in emerging technologies. We prepare learners for the future of work, training people in skills companies need.

INSTITUTIONAL MEMBERSHIPS

FICCI	Membership	Established in 1927, the Federation of Indian Chambers of Commerce and Industry (FICCI) is the oldest, largest and the apex business chamber in India. Our history is closely interwoven with India's independence struggle and now with her emergence as one of the most rapidly growing economies globally.
ASSOCHAM	Membership	The Associated Chambers of Commerce and Industry of India is a non-governmental trade association and advocacy group based in New Delhi, India. The organisation represents the interests of trade and commerce in India, and acts as an interface between issues and initiatives.
ADI	Membership	ADIs vision is to be a world class network representing professional interests of Indian Design community, creating a meaningful interface between design professionals, people as users, the industry, education institutions and the policy makers.
NIPM	Membership	National Institute of Personnel Management (NIPM), is the only all India body of professional managers engaged in the profession of Human Resource Management, ,Industrial Relations, Labour Welfare, and Training & Development in the country.
ISTD	Membership	ISTD Organizes Training Programs, all over the country both at Chapter and National Levels. The Programs cover selected areas of HRD with special emphasis on Training of Trainers, Training Goals & Objectives and Training Tools & Technologies.
WF-NEN	Membership	Wadhwani Foundation is a not-for-profit with the primary mission of accelerating economic development in emerging economies by driving large-scale job creation through entrepreneurship, innovation and skills development.
MCCIA	Membership	MCCIA continuously strives to promote Pune as a premier investment destination as well as a major global source of quality products and services.MCCIA has been instrumental in setting up and bringing to Pune several institutions important for business.
CII-Yi	Student Chapter	Young Indians engage students in various initiatives that the students conceptualize, and execute.In tune with the Yuva vision to influence inspire and motivate millions of students across the country, Yi is working with Vishwakarma University by forming a Yi Yuva chapter at VU
NHRDN	Membership	Established over 30 years ago, NHRDN is an autonomous, not-for-profit professionally managed organization, playing a catalyst role in grooming leaders for tomorrow.

INDUSTRY EXPOSURE TO STUDENTS

We firmly believe that a student's placement is a result of their aspirations, family expectations, the industry scenario, and the university-industry connect. The University has developed a Career Success Factors framework for the holistic development of the students with respect to Knowledge, Skills, and Attitude. It is appreciated that the employability enhancement is a continuous process and needs to start right from the commencement of the programme.

The Career Support Office internally promotes learning, networking, and showcase event opportunities wherein students can participate. This mainly includes webinars, workshops, summits, conferences, exhibitions, training, certifications, etc. Such external events are generally organized by industry associations, professional bodies, recruiters, etc.

Additionally, the Career Support organizes several sessions for the benefit of students including;

• Career orientation sessions for the newly admitted students.
• Internship and project guidance sessions for the pre-final year students.
• Career readiness / employability / finishing school training for the final year students.

PLACEMENT AND CAREER PROGRESSION TEAM

The University has invested in a well-equipped set-up for the industry connect team, high caliber staff, and evolved internal processes for exploring better job requirements. The team is mentored by the management, senior leadership, industry advisors, and seasoned academicians.

30+ Student Champions representing various programmes and 15+ Faculty Leaders representing various departments play a crucial role in internal coordination throughout the year.
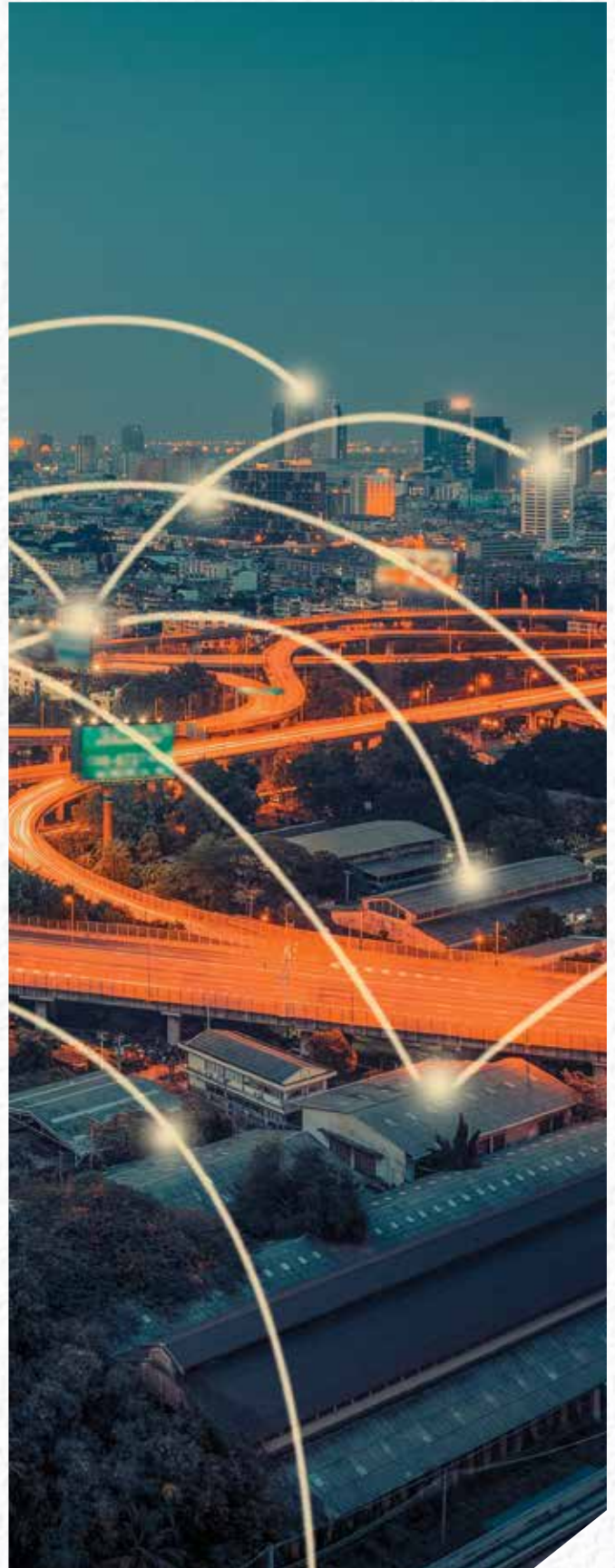
PATENTS, COPYRIGHTS

Sr. no.	Title/Name of Patent	IP Registration Number	Date of Filed/Published	Application Level
1	Vertical Sewage Treatment Plant	202121043909	28-09-2021	National
2	The Modified Aerobic Reactor In Vertical Sewage Treatment Plant	202121043910	28-09-2021	National
3	The Novel Anaerobic System In Vertical Sewage Treatment Plant	202121043877	28-09-2021	National
4	Freeze Concentration Technology Application In Vertical Sewage Treatment Plant To Generate Potable Water	202121043907	28-09-2021	National
5	A Method Of Optimization To Minimize Combined Volume Of Aerobic And Anaerobic Reactor	202121044823	04-10-2021	National
6	Design Of Miniaturized Energy Harvester For Human Shoe Application	202121044823	02-02-2022	National
7	An Automated Implantable Cardiac Monitoring Device For Detecting Arrhythmia	202221032500	07-06-2022	National
8	A System For Cooling And Heating Water In A Household Water	202221032498	07-06-2022	National
9	Purification And Dispensing System A Potable Water Treatment And Dispensing System	202221032499	07-06-2022	National

17 | Initiatives for Implementation of New Education Policy 2020

Area of Focus	Self-Target (ST) against Focus Area	Present Status with Action points	Next steps
Phase wise NEP Implementation plan With Institutional Development plan	Phase 1: I. Multiple entry and multidisciplinary four year and five year integrated PG programme II. Credit structure and outcome based curriculum development for multidisciplinary four year degree and five year integrated programmes as per NHQEF guidelines III. PhD programme and promotion of research culture IV. Constitution of academic bodies Phase 2: I.Credit structures and curriculum development for professional multidisciplinary programmes in reference to NVEQF and AICTE/PCI/BCI/ACI guidelines II.Exit path for multidisciplinary four year and five year degree programme III.Credit transfer mechanism - Academic Bank of Credits	The stepwise action taken are mentioned below: i. The University has enabled Discussion in BoS, Academic committee meetings, Dean and HoD Meetings, Departmental Meetings, Faculty Induction Program for newly joined faculties ii. Discipline-wise Committees have been constituted to implement NEP iii. Seminar was conducted on creating awareness and implementation of NEP. The seminar impacted 53 faculty members and 232 students. iv. Financial Assistance under Research Policy, Reward for Research has been implemented to promote VU as Research University or Teaching University as envisaged in NEP. v. To make University Multidisciplinary, 5 number of programs proposed to be added. vi. Multiple Entry is implemented for some bachelor degrees. For Example: BBA (LLB), B Tech., BA psychology,etc. Multiple Exit is implemented in some 4 years programs after 3rd year. For Example BA Journalism and Mass Communication, BA psychology, BBA, BSc Economics etc Steps taken for Institutional Development Plan: i. Introduction of 04 year degree programs ii. Open Elective & transdisciplinary courses iii. Work Integrated Program iv. Support to faculty members for transdisciplinary research activities	i. NEP-2020 to be thoroughly studied by all teachers ii. To complete phase wise implementation
Yearly target for non accredited institutions to be accredited	• Establishment of IQAC, • Preparation of data collection according to data templates • Submission of IIQA • Submission of SSR • Submission of AQAR	Establishment of IQAC, Preparation of data collection according to data templates	Submission of IIQA
No. of courses/no. of students registered with academic bank of credit	Registering all students on ABC	University registered on ABC	Registering maximum students on ABC
No. of certificates/ degree uploaded in Digi locker	For all courses	28 uploaded	To increase the certificates/degrees
No. of programs offered with multi-disciplinary approach	All courses	Minor track courses, Faculty of Interdisciplinary Studies offering multidisciplinary and vocational courses. BA(Liberal Arts). Process :- Syllabus proposed and passed in BoS meeting in respective departments; awaiting approval from academic councils.	Implementation of courses upon getting approval in BoS

Area of Focus	Self-Target (ST) against Focus Area	Present Status with Action points	Next steps
Implementation of the choice-based credit system	To implement CBCS in all programmes	Implemented CBCS in all existing programmes	To increase choices in existing programmes
No. of courses having internship/ apprenticeship as a part of the curriculum	To facilitate internship / apprentices in all programmes	12 courses	To increase the number of courses
No. of programme aligned/adopted NHEQF	To align all courses in accorda--nce with NHEQF	The following courses are in accordance with NHEQF requirements: Number of 2 years Post-Graduate program - 21 Number of 4 years Undergraduate program - 9	To increase the number of courses aligned with NHEQF
Percentage of program curriculum with skill/ vocational courses	All programs	25% of the courses in the curriculum include skill development.	To increase the number of courses and start vocational courses
No. of international collaboration for conducting joint research/ Joint programme	5	2 collaborations: I. One is in project proposal stage II. One is in approval stage Should other projects be mentioned from S&T	To increase the number of collaborations
No. of students completed MOOCS and SWAYAM courses as a part of credit requirement of the degree programme	700 students	240 students have registered till date	To increase the number of students
No. of academic programme offering multiple entry and exit	All courses	Multiple Entry and Exit is offered in: BA psychology BA Journalism Mass Communication BSc Economics	To increase the number of courses offering multiple entry and exit
Cumulative research grant from Government/private agencies	5 Cr (Cumulative of AY 2020-2021 AY 2021-2022)	Rs 1,90,51,679/-	To increase the total amount
No. of active startups supported by incubation Centre	10	The University has VU IQUBE - The Idea, Innovation and Impact Center which provides necessary logistic support and training to the students and faculty members interested in setting up startups. At present there are 4 startups which have been supported by the University.	To increase total number of startups
Frequency of updating website with statutory information (fees structure, examination pattern, staff with qualification, SSR, AQAR)	Weekly	Weekly updated	To maintain weekly update
Percentage of graduating student placed through placement cell	100%placement of students, improve median salary and diversity of job profiles	more than 90% over the last 4 batches (2019, 2020, 2021, and 2022)	Industry outreach across large, medium, small, startups, & social enterprises. Strengthening industry connects relevant to each of the academic disciplines and streams. Leverage digital platforms and tools for better training, outreach, and placements.

Area of Focus	Self-Target (ST) against Focus Area	Present Status with Action points	Next steps
Alumni Connect	95% connect	50% in connect	To increase the connect
Industry - Institute linkage - R&D Cell	25	8	To increase the linkages

18 | UNIVERSITY ANNUAL FINANCIAL REPORT 2021-22

18.1 PROGRAMME WISE FEES

FEES STRUCTURE FOR THE ACADEMIC YEAR 2021-22

Sr. No.	Programme	Fees A.Y. (2021 - 2022)
1	B.A. (Fashion & Apparel Design)	130000
2	B.A. (Animation & Multimedia)	130000
3	B.A. (Interior Design & Decoration)	130000
4	M.A. (Fashion & Apparel Design)	150000
5	M.A. (Animation & Multimedia)	150000
6	M.A. (Interior Design & Decoration)	150000
7	B.Des. (Graphic/ Product/ User Exp /Animation Art & Design/Game Art & Design)	365000
8	Bachelor of Visual Arts - Digital Filmmaking (BVA – DFM)	350000
9	Bachelor of Visual Arts - Visual Effects (BVA – VFX)	350000
10	M.Des.Animation Art & Design(M.Des – AAD)	400000
11	M.Des. (Graphic/ Product/ User Exp Design)	375000
12	Master of Visual Arts - Digital Filmmaking (MVA DFM)	400000
13	B.Arch	155000
14	B.Tech (Mechanical)	210000
15	B.Tech (Mechanical) - SEDA	210000
16	M.Tech (Mechanical - Design)	220000
17	B.Tech (Computer)	260000
18	B.Tech (Computer) - SEDA	250000
19	M.Tech (Computer)	220000
20	B.Tech (Artificial Intelligence & Data Science)	250000
21	BSc. (Statistics)	130000
22	MSc. (Statistics)	155000
23	B.Sc. (Computer Science)	90000
24	M.Sc. (Computer Science)	90000
25	B.Sc. (Yoga & Naturopathy)	125000
26	M.Sc. (Wastewater & Sanitation Management)	70000
27	M.Sc. (Mathematics)	90000
28	B. Pharmacy	170000
29	D. Pharmacy	110000
30	B.B.A.	135000
31	B.B.A. (IB)	135000
32	BBA-Event Management (EM)	150000
33	M.B.A.	250000
34	B.Com (CS)	50000
35	Certificate Programme in Suistainalibity Management	200000

36	B.A. (Travels and Tourism)	135000
37	M.A. (Travels and Tourism)	130000
38	B.A. (Psychology)	65000
39	M.A. (Psychology)	65000
40	B.Sc. (Psychology)	100000
41	M.Sc. (Psychology)	100000
42	B.Sc. (Economics)	130000
43	B.A. (Music)	125000

| 44 | B.A. (Journalism & Mass Communication) | 135000 |
| 45 | M.A. (Journalism & Mass Communication) | 150000 |

46	BBA LLB	120000
47	LLB (3 Years after Degree)	65000
48	LLM	100000

18.2 TOTAL FEES COLLECTED DURING 2021-22

Fees Reconcialation for the year 2021-2022

ARCHITECTURE

Sr. No.	Course	Year	No. of students	Course Fees	Total Fees Due	Fees Received	Fees Waive Off	Fees Receivable	Remark
1	B. Architecture	1	15	155,000.00	2,325,000.00	1,738,125.00	23,250.00	563,625.00	
2	B. Architecture	1	1	155,000.00	155,000.00	155,000.00	0.00	0.00	
3	B. Architecture	2	5	155,000.00	775,000.00	385,000.00	77,500.00	312,500.00	
4	B. Architecture	3	11	150,000.00	1,800,000.00	1,645,000.00	0.00	155,000.00	
	Total (A)		33		5,055,000.00	3,923,125.00	100,750.00	1,031,125.00	

PHARMACY

Sr. No.	Course	Year	No. of students	Course Fees	Total Fees Due	Fees Received	Fees Waive Off	Fees Receivable	Remark
1	D. Pharmacy	1	99	170,000.00	16,830,000.00	8,078,000.00	42,500.00	8,709,500.00	
2	B. Pharmacy	1	1	170,000.00	170,000.00	95,000.00	0.00	75,000.00	
3	D. Pharmacy	1	60	110,000.00	6,600,000.00	2,490,000.00	5,500.00	4,104,500.00	
4	D. Pharmacy	2	95	160,000.00	15,200,000.00	12,489,000.00	104,000.00	2,607,000.00	
5	D. Pharmacy	2	58	100,000.00	5,800,000.00	3,947,000.00	0.00	1,853,000.00	
6	B. Pharmacy	3	94	150,000.00	14,100,000.00	12,212,995.00	15,000.00	1,872,005.00	
	Total (B)		407		58,700,000.00	39,311,995.00	167,000.00	19,221,005.00	

SCIENCE AND TECHNOLOGY (ST)

Sr. No.	Course	Year	No. of students	Course Fees	Total Course Fees	Fees Received	Fees Waive Off	Fees Receivable	Remark
1	B. Tech - Computer Engg.	1	201	260,000.00	52,260,000.00	30,274,100.00	204,000.00	21,777,900.00	
2	B. Tech. - Mechanical Engg.	1	4	210,000.00	840,000.00	470,000.00	0.00	370,000.00	
3	B. Sc. - Statistics	1	7	130,000.00	910,000.00	597,000.00	13,000.00	300,000.00	
4	B. Sc. - Computer Science (Category-1)	1	17	90,000.00	1,530,000.00	854,000.00	31,500.00	644,500.00	
5	M. Sc. - Computer Science (Category-2)	1	6	90,000.00	540,000.00	335,000.00	4,500.00	200,500.00	
6	M. Sc. - Statistics	1	12	155,000.00	1,860,000.00	1,110,000.00	0.00	750,000.00	
7	M.Sc. (Mathematics)	1	1	90,000.00	90,000.00	45,000.00	0.00	45,000.00	
8	M.Sc. (Westwater & Sanitation Management)	1	8	70,000.00	560,000.00	335,000.00	0.00	225,000.00	
9	B. Tech. Artificial Intelligence & Data Science	1	43	250,000.00	10,750,000.00	6,125,000.00	25,000.00	4,600,000.00	
10	B. Tech. - Computer Engg.	1	1	260,000.00	260,000.00	130,000.00	0.00	130,000.00	
11	B. Sc. - Computer Science (Category-1)	1	3	90,000.00	270,000.00	0.00	270,000.00	0.00	
12	M. Sc. - Computer Science (Category-2)	1	3	90,000.00	270,000.00	0.00	270,000.00	0.00	
13	B. Tech. - Computer Engg.	2	159	250,000.00	39,750,000.00	36,255,500.00	125,000.00	3,369,500.00	
14	B. Tech. - Computer Engg. (J & K)	2	3	24,000.00	72,000.00	0.00	0.00	72,000.00	PMSSS Student
15	B. Sc. - Statistics	2	12	125,000.00	1,500,000.00	1,375,000.00	0.00	125,000.00	
16	B. Sc. - Computer Science (Category-1)	2	18	80,000.00	1,440,000.00	1,210,000.00	0.00	230,000.00	
17	B. Sc. - Computer Science (Category-2)	2	2	80,000.00	160,000.00	35,000.00	125,000.00	0.00	
18	M. Sc. - Statistics	2	23	150,000.00	3,450,000.00	2,925,000.00	0.00	525,000.00	
19	M.Sc. (Mathematics)	2	1	90,000.00	90,000.00	45,000.00	45,000.00	0.00	
20	B.Sc. (Yoga & Naturopathy)	2	5	125,000.00	625,000.00	562,500.00	0.00	62,500.00	

Sr. No.	Course	Year	No. of students	Course Fees	Total Fees Due	Fees Received	Fees Waive Off	Fees Receivable	Remark
21	M.Sc. (Westwater & Sanitation Management)		6	70,000.00	420,000.00	2,00.00	0.00	184,000.00	
22	B. Tech. Artificial Intelligence & Data Science	2	37	210,000.00	7,770,000.00	7,297,000.00	63,000.00	410,000.00	
23	B. Tech. - Computer Engg.	3	2	200,000.00	400,000.00	400,000.00	0.00	0.00	
24	B. Tech. - Mechanical Engg.	3	1	200,000.00	200,000.00	100,000.00	0.00	100,000.00	
25	B. Tech. - Computer Engg. (Category - 1)	3	123	250,000.00	30,750,000.00	28,282,500.00	50,000.00	2,417,300.00	
26	B. Tech. - Computer Engg. (Category - 1)	3	4	200,000.00	800,000.00	650,000.00	0.00	150,000.00	
27	B. Tech. - Computer Engg. (Category - 1)	3	1	250,000.00	250,000.00	0.00	250,000.00	0.00	
28	B. Tech. - Computer Engg. (J & K)	3	1	24,000.00	24,000.00	0.00	0.00	24,000.00	PMSSS Student
29	B. Tech. - Mechanical Engg. (J & K)	3	1	24,000.00	24,000.00	0.00	0.00	24,000.00	PMSSS Student
30	B.Tech - Computer Engg. (LA)	3	6	250,000.00	1,500,000.00	1,475,000.00	0.00	25,000.00	
31	B. Tech. - Mechanical Engg. (Category-1)	3	13	210,000.00	3,150,000.00	2,465,000.00	0.00	635,000.00	
32	B. Tech. - Mechanical Engg. (Category-2)	3	1	200,000.00	200,000.00	200,000.00	0.00	0.00	
33	B. Tech. - Mechanical Engg. (Category-3)	3	1	145,000.00	145,000.00	145,000.00	0.00	0.00	
34	B.Sc. Hons. (Statistics-Big Data Analytics)	3	10	125,000.00	1,250,000.00	1,150,000.00	0.00	100,000.00	
35	B.Sc. - Computer Science (Category-1)	3	28	75,000.00	2,100,000.00	1,360,000.00	0.00	740,000.00	
36	B. Tech. - Computer Engg. (Category - 1)	4	104	200,000.00	20,800,000.00	15,120,000.00	10,000.00	5,670,000.00	
37	B. Tech. - Computer Engg. (Category - 2)	4	29	200,000.00	5,800,000.00	4,640,000.00	0.00	1,160,000.00	
38	B. Tech. - Mechanical Engg. (Category-1)	4	26	200,000.00	5,200,000.00	2,900,000.00	0.00	2,300,000.00	
39	B. Tech. - Mechanical Engg. (Category-2)	4	1	100,000.00	100,000.00	100,000.00	0.00	0.00	YD Student
40	B. Tech. - Mechanical Engg. (SEDA)	4	33	200,000.00	2,600,000.00	2,085,000.00	0.00	515,000.00	
	Total (C)		937		200,710,000.00	151,289,000.00	1,490,000.00	47,931,000.00	

ART AND DESIGN (AD)

Sr. No.	Course	Year	No. of students	Course Fees	Total Fees Due	Fees Received	Fees Waive Off	Fees Receivable	Remark
1	B.A. Fashion & Apparel Design	1	5	130,000.00	650,000.00	468,500.00	6,500.00	175,000.00	
2	B.A. Animation & Multimedia (Category - 1)	1	25	130,000.00	3,250,000.00	2,105,000.00	0.00	1,145,000.00	
3	B.A. Interior Design & Decoration	1	30	130,000.00	3,900,000.00	1,960,000.00	6,500.00	1,933,500.00	
4	M.A. Interior Design & Decoration	1	7	150,000.00	1,050,000.00	550,000.00	0.00	500,000.00	
5	Bachelor of Design	1	35	365,000.00	12,775,000.00	8,621,000.00	36,500.00	4,117,500.00	
6	M. Des. - Graphic Design	1	2	375,000.00	750,000.00	625,000.00	0.00	125,000.00	
7	B.A. Interior Design & Decoration	1	1	130,000.00	130,000.00	130,000.00	0.00	0.00	
8	M.A. Interior Design & Decoration	1	1	130,000.00	130,000.00	0.00	130,000.00	0.00	
9	B.A. Fashion & Apparel Design	2	12	125,000.00	1,500,000.00	984,958.00	0.00	515,042.00	
10	B.A. Interior Design & Decoration	2	30	125,000.00	3,750,000.00	3,285,000.00	0.00	465,000.00	
11	B.A. Animation & Multimedia (Category - 1)	2	25	125,000.00	3,125,000.00	1,490,500.00	0.00	1,634,500.00	
12	B.A. Animation & Multimedia (Category - 1)	2	1	120,000.00	120,000.00	60,000.00	0.00	60,000.00	
13	B.A. Animation & Multimedia (Category - 1)	2	1	125,000.00	125,000.00	0.00	125,000.00	0.00	
14	M.A. Interior Design & Decoration	2	6	150,000.00	900,000.00	855,000.00	45,000.00	0.00	
15	Bachelor of Design	2	53	350,000.00	18,550,000.00	15,290,000.00	210,000.00	3,050,000.00	
16	M. Des. - Graphic Design	2	1	375,000.00	375,000.00	375,000.00	0.00	0.00	
17	M. Des. - Product Design	2	2	375,000.00	750,000.00	750,000.00	0.00	0.00	
18	M.Des. User Experience Design	2	2	375,000.00	750,000.00	277,500.00	0.00	472,500.00	
19	B.A. Fashion & Apparel Design	3	11	120,000.00	1,320,000.00	930,000.00	0.00	390,000.00	
20	B.A. Animation & Multimedia (Category - 1)	3	33	120,000.00	3,960,000.00	2,612,000.00	12,000.00	1,336,000.00	
21	B.A. Animation & Multimedia (Category - 2)	3	1	120,000.00	120,000.00	0.00	120,000.00	0.00	
22	B.A.Interior Design&Decoration(Category- 1)	3	40	120,000.00	4,800,000.00	3,425,000.00	20,000.00	1,355,000.00	
23	B.A.Interior Design&Decoration(Category- 2)	3	1	125,000.00	125,000.00	125,000.00	0.00	0.00	Year Down Student
24	B.A.Interior Design&Decoration(Category- 3)	3	1	100,000.00	100,000.00	50,000.00	0.00	50,000.00	
25	B. Des. - Graphic Design		15	350,000.00	5,250,000.00	5,1,00.00	0.00	125,000.00	
26	B. Des. - Product Design	3	40	350,000.00	14,000,000.00	12,307,500.00	17,500.00	1,675,000.00	
27	B. Des. -User Experience Design	3	3	350,000.00	1,050,000.00	1,050,000.00	0.00	0.00	
28	B. Des. - Graphic Design	4	21	300,000.00	6,320,000.00	6,075,000.00	0.00	275,000.00	
29	B. Des. - Product Design	4	33	300,000.00	9,900,000.00	7,585,000.00	65,000.00	2,250,000.00	
30	B. Des. - Fashion Design	4	2	300,000.00	600,000.00	600,000.00	0.00	0.00	
	Total (D)		440		100,105,000.00	77,061,956.00	794,000.00	21,649,042.00	

HUMANITIES & SOCIAL SCIENCE (HSS)

Sr. No.	Course	Year	No. of students	Course Fees	Total Fees Due	Fees Received	Fees Waive Off	Fees Receivable	Remark
1	B. A. - Psychology (Category - 1)	1	55	65,000.00	3,575,000.00	2,822,250.00	9,750.00	743,000.00	
2	M. A. - Psychology (Category - 1)	1	71	65,000.00	4,615,000.00	3,566,500.00	0.00	1,048,500.00	
3	B. A. - Music	1	16	125,000.00	2,000,000.00	1,312,500.00	12,500.00	675,000.00	
4	M. A. - Music	1	4	150,000.00	600,000.00	115,000.00	0.00	485,000.00	
5	B. A. - Travels & Tourism	1	13	135,000.00	1,730,000.00	1,212,000.00	0.00	543,000.00	
6	M. A. - Travels & Tourism	1	1	130,000.00	130,000.00	75,000.00	0.00	55,000.00	
7	B. Sc. - Economics (Category - 1)	1	10	130,000.00	1,300,000.00	890,000.00	0.00	410,000.00	
8	M. Sc. - Economics (Category - 1)	1	1	130,000.00	130,000.00	130,000.00	0.00	0.00	
9	M. A. - Psychology (Category - 1)	1	1	65,000.00	65,000.00	0.00	65,000.00	0.00	
10	M. Sc. - Economics (Category - 2)	1	3	130,000.00	390,000.00	0.00	390,000.00	0.00	
11	B. A. - Psychology (Category - 1)	2	40	55,000.00	2,200,000.00	1,977,000.00	11,000.00	212,000.00	
12	M. A. - Psychology (Category - 1)	2	49	55,000.00	2,695,000.00	2,265,000.00	0.00	430,000.00	
13	B. A. - Music	2	7	125,000.00	875,000.00	542,500.00	65,000.00	267,500.00	
14	B. A. - Travels & Tourism	2	12	130,000.00	1,560,000.00	1,333,000.00	0.00	227,000.00	
15	M. A. - Travels & Tourism	2	1	135,000.00	130,000.00	0.00	130,000.00	0.00	
16	M. A. - Travels & Tourism	2	1	130,000.00	130,000.00	130,000.00	0.00	0.00	
17	B. Sc. - Economics (Category - 1)	2	10	125,000.00	1,250,000.00	1,125,000.00	0.00	125,000.00	
18	B. Sc. - Economics (Category - 1)	2	1	125,000.00	125,000.00	0.00	125,000.00	0.00	
19	B. A. - Psychology (Category - 1)	3	41	50,000.00	2,050,000.00	2,052,000.00	0.00	0.00	
20	B. A. - Psychology (Category - 3)	3	1	50,000.00	50,000.00	0.00	50,000.00	0.00	
21	B. A. - Music	3	15	125,000.00	1,875,000.00	1,172,500.00	0.00	702,500.00	
22	B. A. - Travels & Tourism	3	20	125,000.00	2,500,000.00	2,065,000.00	37,500.00	397,500.00	
	Total (E)		373		30,000,000.00	22,789,250.00	895,750.00	6,315,000.00	

COMMERCE & MANAGEMENT (CM)

Sr. No.	Course	Year	No. of students	Course Fees	Total Fees Due	Fees Received	Fees Waive Off	Fees Receivable	Remark
1	M.B.A. (Category - 1)	1	45	250,000.00	11,250,000.00	6,142,500.00	515,000.00	4,192,500.00	
2	B.B.A. (Category - 1)	1	29	135,000.00	3,915,000.00	2,475,500.00	0.00	1,439,500.00	
3	B.B.A. (IB)	1	28	135,000.00	3,780,000.00	1,845,000.00	0.00	1,935,000.00	
4	Certificate Progm. in Sustainability Mngt.	1	8	200,000.00	1,600,000.00	525,000.00	0.00	1,075,000.00	
5	M.B.A. (Category - 1)	1	16	250,000.00	4,000,000.00	0.00	4,000,000.00	0.00	
6	B.B.A. (Category - 1)	1	5	135,000.00	675,000.00	135,000.00	540,000.00	0.00	
7	M.B.A. (Category - 1)	2	36	250,000.00	9,000,000.00	6,440,000.00	485,000.00	2,075,000.00	
8	M.B.A. (Category - 2)	2	10	150,000.00	1,500,000.00	1,350,000.00	0.00	150,000.00	DEFENCE
9	M.B.A. (Category - 3)	2	26	250,000.00	6,500,000.00	70,000.00	6,430,000.00	0.00	
10	B.B.A. (Category - 1)	2	50	130,000.00	6,500,000.00	5,909,000.00	56,000.00	535,000.00	
11	B.B.A. (Category - 2)	2	8	130,000.00	1,040,000.00	0.00	1,040,000.00	0.00	
12	B.B.A. (Category - 3)	2	2	130,000.00	260,000.00	260,000.00	0.00	0.00	
13	B.B.A. (SEDA)	2	2	125,000.00	250,000.00	190,000.00	0.00	60,000.00	SEDA
14	B.B.A. (IB)	2	29	130,000.00	3,770,000.00	3,561,000.00	13,000.00	196,000.00	
15	B.B.A. (IB)	2	2	130,000.00	260,000.00	37,960.00	212,040.00	0.00	
16	B.B.A. (Category - 1)	3	45	125,000.00	5,575,000.00	5,047,500.00	12,500.00	315,000.00	
17	B.B.A. (Category - 2)	3	3	100,000.00	300,000.00	175,000.00	0.00	125,000.00	17-18 Student
18	B.B.A. (Category - 3)	3	11	125,000.00	1,375,000.00	137,500.00	1,237,500.00	0.00	
19	B.B.A. - (IB) (Category - 4)	3	1	125,000.00	125,000.00	0.00	125,000.00	0.00	
20	B.B.A. (IB)	3	58	125,000.00	7,250,000.00	6,217,500.00	25,000.00	1,007,500.00	
	Total (F)		412		68,725,000.00	40,519,460.00	15,101,040.00	13,104,500.00	

JOURNALISM AND MASS COMMUNICATION (JMC)

Sr. No.	Course	Year	No. of students	Course Fees	Total Fees Due	Fees Received	Fees Waive Off	Fees Receivable	Remark
1	B. A. - Journalism & Mass Communication	1	15	135,000.00	2,025,000.00	1,305,750.00	13,500.00	940,750.00	
2	M. A. - Journalism & Mass Communication	1	5	150,000.00	750,000.00	410,000.00	0.00	340,000.00	
3	B. A. - Journalism & Mass Communication	1	1	135,000.00	135,000.00	135,000.00	0.00	0.00	
4	M. A. - Journalism & Mass Communication	1	1	150,000.00	150,000.00	0.00	150,000.00	0.00	
5	B. A. - Journalism & Mass Communication	2	29	130,000.00	3,770,000.00	2,400,000.00	0.00	1,370,000.00	
6	M. A. - Journalism & Mass Communication	2	4	150,000.00	600,000.00	150,000.00	0.00	450,000.00	
7	B. A. - Journalism & Mass Communication	2	2	130,000.00	260,000.00	0.00	260,000.00	0.00	
8	M. A. - Journalism & Mass Communication	2	2	150,000.00	300,000.00	0.00	300,000.00	0.00	
9	B. A. - Journalism & Mass Communication	3	37	125,000.00	4,625,000.00	2,450,000.00	0.00	2,175,000.00	
10	B. A. - Journalism & Mass Communication	3	1	125,000.00	125,000.00	0.00	125,000.00	0.00	
	Total (G)		97		12,740,000.00	6,750,750.00	848,500.00	5,275,750.00	

LAW (LLM)

Sr. No.	Course	Year	No. of students	Course Fees	Total Fees Due	Fees Received	Fees Waive Off	Fees Receivable	Remark
1	LLM	1	181	100,000.00	18,100,000.00	9,939,000.00	40,000.00	8,121,000.00	
2	BBA - LLB	1	17	120,000.00	2,040,000.00	700,000.00	132,000.00	1,208,000.00	
3	LLB	1	39	65,000.00	2,535,000.00	847,500.00	162,500.00	1,525,000.00	
4	BBA - LL. B	2	12	110,000.00	1,320,000.00	1,065,000.00	0.00	255,000.00	
5	LLB	2	42	60,000.00	2,520,000.00	1,870,000.00	0.00	650,000.00	
6	BBA - LL. B	3	15	100,000.00	1,500,000.00	1,200,000.00	0.00	300,000.00	
	Total (H)		306		28,015,000.00	15,621,500.00	334,500.00	12,059,000.00	

Ph. D.

Sr. No.	Course	Year	No. of students	Course Fees	Total Fees Due	Fees Received	Fees Waive Off	Fees Receivable	Remark
1	Ph. D. (Category - 1)	1	26	50,000.00	1,300,000.00	60,000.00	50,000.00	1,190,000.00	
2	Ph. D. (Category - 2)	1	3	100,000.00	300,000.00	50,000.00	0.00	250,000.00	
3	Ph. D. (Category - 1)	2	15	50,000.00	750,000.00	0.00	25,000.00	725,000.00	
4	Ph. D. (Category - 2)	2	12	100,000.00	1,200,000.00	250,000.00	0.00	950,000.00	
5	Ph. D. (Category - 1)	3	14	50,000.00	700,000.00	23,306.00	0.00	676,694.00	
6	Ph. D. (Category - 2)	3	12	100,000.00	1,200,000.00	41,661.00	0.00	1,158,339.00	
7	Ph. D. (Category - 1)	4	23	50,000.00	1,150,000.00	50,303.00	0.00	1,099,697.00	
8	Ph. D. (Category - 1)	4	10	100,000.00	1,000,000.00	73,400.00	0.00	926,600.00	
9	Ph. D. (Category - 1)	5	18	50,000.00	900,000.00	32.00	0.00	899,968.00	
10	Ph. D. (Category - 2)	5	14	100,000.00	1,400,000.00	0.00	0.00	1,400,000.00	
	Total (I)		147		9,900,000.00	548,702.00	75,000.00	9,276,298.00	
	Grand Total J (A to I)		3,152		513,950,000	358,415,740	19,806,540	135,862,720	

Fees as per Ledger

Sr. No.	Course	Total Fees	Fees Waive Off	Fees Receivable
1	ARCHITECTURE	5,055,000.00	100,750.00	1,031,125.00
2	PHARMACY	58,700,000.00	167,000.00	19,221,005.00
3	SCIENCE AND TECHNOLOGY (ST)	200,710,000.00	1,490,000.00	47,931,000.00
4	ART AND DESIGN (AD)	100,105,000.00	794,000.00	21,649,042.00
5	HUMANITIES & SOCIAL SCIENCE (HSS)	30,000,000.00	895,750.00	6,315,000.00
6	COMMERCE AND MANAGEMENT (CM)	68,725,000.00	15,101,040.00	13,104,500.00
7	JOURNALISM AND MASS COMMUNICATION (JMC)	12,740,000.00	848,500.00	5,275,750.00
8	LAW	28,015,000.00	334,500.00	12,059,000.00
9	Ph. D.	9,900,000.00	75,000.00	9,276,298.00
	Fees Total as per Ledger as on 31.03.2022 (K)	513,950,000.00	19,806,540.00	135,862,720.00

Sr. No.	Course	Balance as on 01.04.2021	Received During the year 2021-22	Balance as on 31.03.2022
1	Financial Year 2020 - 2021	182,454,273.00	161,764,437.00	20,689,836.00
2	Financial Year 2019 - 2020	8,316,632.00	3,152,512.00	5,164,120.00
3	Financial Year 2018 - 2019	1,664,960.00	630,000.00	1,034,960.00
4	Financial Year 2017 - 2018	50,000.00	50,000.00	0.00
	Total (L)	192,485,865.00	165,596,949.00	26,888,916.00

Total Fees Receivable as on 31.03.2022 (K+L)	162,751,636.00

18.3 UNIVERSITY'S BALANCE SHEET AS ON 31ST MARCH 2022

BALANCE SHEET AS ON 31ST MARCH 2022

FUNDS & LIABILITIES	AMOUNT (₹)	AS ON 31.03.2022 (₹)	PROPERTIES & ASSETS	AMOUNT (₹)	AS ON 31.03.2022 (₹)
CURRENT LIBILITIES & PROVISIONS (AS PER ANNEXURE - F)		302,556,665.28	FIXED ASSETS (AS PER ANNEXURE - G)		96,270,697.84
			CURRENT ASSETS & LOANS & ADVANCES (AS PER ANNEXURE -H)		220,615,589.91
			INVESTMENTS (AS PER ANNEXURE -I)		51,121,773.00
INCOME & EXPENDITURE ACCOUNT OPENING BALANCE(LAST YEAR) LESS:TRANSFERRED PROFIT DURING THE YEAR	102,434,772.73 102,434,772.73 65,451,395.47	65,451,395.47			
TOTAL		368,008,060.75	TOTAL		368,008,060.75

1	31.08.2021	Tribute to India's successful Olympics mission	Music video launch
2	16.09.2021	"Mahaganapathim' - A Musical Offering to Lord Ganesha on Ganesh Chaturthi	Music video launch
3	03.11.2021	Deep Jyoti Namostute- An original student track launched on Diwali	Music video launch
4	04.11.2021	Nottuswaram- An original student track launched for Lakshmi Poojan	Music video launch
5	21.11.2021	"Naman Hai"-Original Track by students to commemorate Guru Nanak Jayanti	Music video launch
6	25.12.2021	Ave Maris Stella-An original student track launched on Christmas	Music video launch
7	04.02.2022	Original track on the occasion of Ganesh Jayanti	Music video launch
8	02.04.2022	Dhwani- Original track on the occasion of Gudhi Padwa	Music video launch
9	30.03.2022	Joint event with Psychology Department to commemorate World Bipolar Day	Live student concert

10. The following students from the Department of Music represented VU in the prestigious inter-collegiate festival "Firodiya Karandak". Ankit Kumar Bharti received 1st prize for Guitar at the hands of famous film director Anurag Kashyap. This was VU's 1st award in Firodiya Karandak.

Following students participated in the event-
1. Mudigonda Anushka Ajay
2. Trivedi Yesha Ashish
3. Togare Bhupendra Balraj
4. Ankit Kumar Bharti
5. Yadav Shubham

13. The following students from the Department of Music represented VU in the prestigious inter-collegiate events.

Shreya Joshi – She won the Third prize in 'Swaramadhuri', a competition held by the Modern College of Arts, science and commerce, Ganeshkind, on the 4th of February 2020 in the Sugam sangeet category.

Siddhiie Kapshikarr - 1.)Received first prize in Harmonium competition organised by Nehru Yuva Kendra, Bharat Sarkar & Dr. Nandakishor Kapote Cultural Society. (March 2020) (Prize distribution didn't happen)

2.) Harmonium Visharad pratham (Ranked highest at centre) (April 2020)

14. Guest session by G.Sathyasai & Radhakrishnan N on Carnatic rhythm 19.01.2022- Famous Carnatic Percussionists G.Sathyasai & Radhakrishnan N visited VU at the Video studio on campus and conducted a guest session on Carnatic rhythm for all B.A.Music students. The students gained a lot of insights about the rhythm and sounds of Percussion.

15. Guest session by Dr.L.Subramaniam for all students 22.04.2022- Dr.L.Subramaniam (Co-Founder-SOM, VU) conducted a guest session for all B.A.Music students. The students gained a lot of insights about Global music.

16. Guest session by celebrated Percussionist Pt.Tanmoy Bose on Indian & global rhythm

20.01.2022- Famous Percussionist Pt.Tanmoy Bose visited VU at the Video studio on campus and conducted a guest session on Indian & global rhythm for all B.A.Music students. The students gained a lot of insights about the rhythm and sounds of Percussion.

17. Guest session by LGCE Professors

04.04.2022 & 05.04.2022- LGCE Professors Dr. Meera Rajaram, Prof. Ragini Sanath and Dr. Dattatreya Velankar conducted guest sessions for all B.A.Music students on campus. The students were very happy to attend guest sessions in person after Covid.

18. Guest session by Mr. Roshan Singh Chabbra (Western Classical Percussionist for the Symphony Orchestra of India)

22.03.2022- Mr. Roshan Singh Chabbra (Western Classical Percussionist for the Symphony Orchestra of India) conducted a guest session for all B.A.Music students. The students gained a lot of insights about the rhythm and sounds of Percussion.

19. AI and Cloud Computing Guest Session March 04, 2022
Artificial intelligence and cloud computing have merged to improve the lives of millions. Digital assistants like Siri, Google Home, and Amazon's Alexa blend AI and cloud computing in our lives every day. A seamless flow of AI and cloud-based resources make those requests a reality. Most users never even realize that it's a customized blend of these two technology spheres—artificial intelligence and cloud computing—that make these connected, intuitive experiences possible. On 4th March 2022, Vishwakarma University organized a guest session for students to give them a brief understanding of these emerging technologies and called Mr. Sudarshan Hiray as the speaker to address the session. He is working with Freshworks Technologies as a Senior Software Developer. He is a VIT groups Alumni and a very softspoken person. The aim of the session was to elaborate on the topic Artificial Intelligence and Cloud Computing: Industrial Applications and Career Paths for students. Prof. Noshir Tarapore commenced the session

with introducing the speaker to students. Mr. Sudarshan then started the session with a broad question Why is AI and Cloud Computing a hot topic. He gave real life examples to make it easier to understand that we already use these technologies and as a Computer Science Engineer we should understand the working and benefits behind them. These are the technologies of future as well as future of the technologies. He emphasized on the difference between Artificial Intelligence, Machine Learning, Data Science and Deep Learning. He improved students' understanding by describing where these technologies are used today in the industry. Proceeding with Cloud Computing, he defined it with examples and explained its types like PaaS, SaaS IaaS, etc. Students gained great insights when he mentioned what cloud computing engineers do in the industry today. He then focused on what as a third-year student, they should focus more on. Proceeding towards career path guidance, he mentioned that Data Structures and Programming are anytime main topics that any interviewer asks in the interviews. He encouraged students to work on mini projects in the domain of machine learning like text analysis which could give them an edge over other aspirants. He asked students to get acquainted with emerging service platforms like GitHub, coding platforms like LeetCode, Hackerrank, etc. He also shared some resources and certification course details with the students. He addressed some questions of the students and motivated them to complete the certification courses of AWS, Azure, Google Cloud and more. Lastly, Prof. Noshir Tarapore concluded the session with a vote of thanks. Total of 60 third year students attended the session.

20. village-level activities and engagements in the domain of water management.
• Installed drinking water (WILO) 1 ATM – Thopetewadi (Ghera)
• Installed RO water plant 1 at Sambrewadi, Mordari and Bhilarwadi each.

21. Field Visit to National Lok Adalat
The trip was organized on 12th of March 2022 from Vishwakarma University (Pune) to analyze and observe the National Lok Adalat organized in the District Court (Pune). All students left the University by 10.45 am in the University bus arranged by the Adin department of our University.

The visit was arranged to District Court Pune for the purpose of understanding the concept of Lok Adalat and its functioning. There were a total of 19 students and two Professors (Prof. Siddhi Singh, Prof. Harshad Karad). We reached the District Court by 11.30 am, after the briefing from the Professors, all students in a group of 3/4 entered separate Court rooms to see the proceedings going on in each court room.

22. Industrial Visit: Mapro Foods Pvt. Ltd., Wai, Satara- (C&M)
Industrial visit was organized for the BBA semester VI and BBA IB semester IV students at Mapro Foods Pvt. Ltd., Wai, Satara on 25th April, 2022 with the following objectives in mind.
Objectives of this Visit:
1. The primary goal of the industrial visit is to give participants an insight to how the theoretical concepts are applied in real life business set up.
2. It employs active learning and helps to bridge the gap between industry and academia.
3. It provides participants to understand the industrial process and procedures.
4. Interaction with the plant manager will lead to an exchange of thoughts and flow of ideas from industry experts to students also encourages peer learning in cross functional groups.
Students were well informed about the industrial visit and registrations were taken through Google form. Total 21 students from BBA IB semester IV and 20 students from BBA

semester VI joined this visit. At Mapro Foods Pvt. Ltd., students were first shown the audio visuals on Mapro Story, Strawberry and Chocolate Story afterwards they visited the food factory. Students were divided into a group of ten for floor visit. Various production to packaging processes were shown and discussed with the students by the Mapro assistants. The General Manager of the factory interacted with the students and answered their quires related to the company, production, promotion activities etc. Students gained practical knowledge of operations and supply chain management as well as learned about marketing aspects through this visit.

Faculty Coordinators - Dr. Radhakrishna Batule, Dr. Omvir Gautam, Dr. Supriya Lakhangaonkar and Prof. Vijaya Hake organized and managed this whole visit.

23. Inter-departmental Quiz Competition- (C&M)

To create awareness across the subjects like

• Basic Maths, Business World, General Science, Sports, Entertainment, Digital Media, SDGs – Celebration of various days

To introduce the time bounding quiz format commonly used interview technique

Conducted in 3 separate batches
•Mind Quest – 2021 - BBA
•Mind Quest – 2021 - BBA - IB
•Mind Quest – 2021 - BBA – MBA
Winning Criteria
•Gold , Silver & Bronze - Highest Score with Minimum time
•Merit certificate – for top 10% scorers
•Participation Certificate for all participants

Winners
BBA
•Gold - Aanchal Hasmukh Solanki
•Silver - Mansoor Ahmad Sultani
•Bronze - Gayatri Anil Kokadwar

BBA – IB
•Gold - Idris Fakhruddin Padiwala
•Silver - Diksha Ravindra Sharma
•Bronze - Abhishek Avinash Lolage

MBA
•Gold - Radha Kulkarni
•Silver - Nalawade Pratik Rajendra
•Bronze - Jasleen Kaur Gurdatta
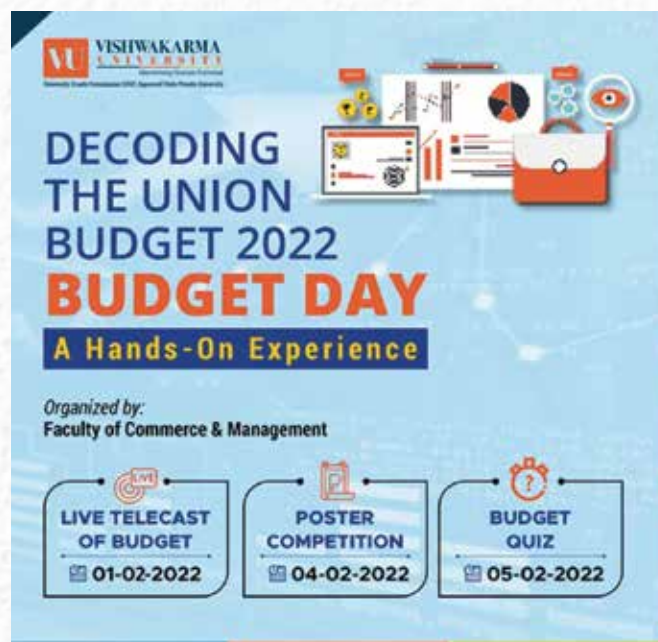
24. Budget Week Celebration included the following activities:
1.Live telecast of the "Union Budget 2022"
2.Budget Quiz
3.Poster competition

25.

26. Study Tour for MBA students at Toyota Kirloskar

27. Visit at ITC Bangalore

28. Visit to Muktangan Rehabilitation Centre
The Department of Psychology from Vishwakarma University organized a field trip to Mukatanagan, Pune on 21st April 2022. The Muktangan Rehabilitation Center was founded by Late Dr. Anita Awachat and Dr. Anil Awachat. Today, it has achieved the status of being one of the best institutes in the field of Drugs & Alcohol de-addiction.

The students were accompanied by Assistant Professor, Ms. Madhuri Marathe and HoD Dr. Bhupender Singh. All together 15 students from MA Semester IV participated in this field trip.
Post pandemic it was the first field trip for the students. It was the first time the teachers and students spent so much time together since we had been attending online lectures for the last 2 years. A volunteer from the institute Mr. Anand explained to the students the history of the institute and also the process they undertake to admit a client in the facility. He mentioned various new therapies they are incorporating in the institute for the treatment of addicts.

29.

30. School of Pharmacy, Vishwakarma University had organized an expert session on 18th DEC 2021at 2.00pm on Google Meet platform for the D. Pharmacy students. Expert Session was conducted by Mr Ronit kumar Arvind on the topic "An understanding on the current trend of healthcare system practices and the need of pharmacovigilance and evidence based therapeutic planning".

Dr. Ronit Kumar Arvind is a fellow of Critical Care Pharmacotherapy (FCCP) and is currently pursuing it in Medica super-speciality hospital, Ranchi, Jharkhand. current profile Dr. Ronit is also a member of Casualty Assessment Committee (CAC) and is also a part of the clinical research team. During his one-year tenure at Medica Hospital he has nurtured around 10 Pharm.D interns in his team who have joined him from states like Punjab, Gujarat, and Delhi etc. He has been a guest speaker of many online curricular programme during COVID-19 lockdown and aims to part more education and wisdom through various mediums for the upcoming juniors and professionals from the pharmaceutical sector. Session was chaired by HOD, Faculties and students of D.Pharm. He explained in very simple and lucid Language about the current trends in healthcare system. He explained and elaborated regarding various trends in Evidence based Therapeutic planning with example of Antibiotic resistance. He emphasized on need of Pharmacovigilance, roles and responsibilities of functional units in India, its current status in India. Students interacted and discussed with him regarding various aspects in CPM Syllabus. Approximately 71 of Students and Faculties of D. Pharm, B.Pharm attended the session. Overall, the activity was highly informative and educative. The vote of thanks was delivered by DR. Poonam Inamdar.

31. Students participated in Poster making competition

32.

33. Industrial Visit at Industrial Visit Report

CWPRS, a part of the Union Ministry of Jal Shakti, Department of Water Resources, River Development and Ganga Rejuvenation, is one of the foremost organisations in the world in the field of hydraulics and allied research. The organization is a perfect blend of Management & Research and unique in its ways. As a part and parcel of academic activities we wish to expose our management students to various sectors from government to private. The management students will got a good knowledge of the functioning of the organization as well as its technical aspects that helped them to become better managers in future. The students being youth of our nation it was important for them to understand how national level organizations work, perform &

executive for various national objectives and CWPRS stand and epitome for the same. From visiting simulation sites to having a look at one of the largest archives of the country in the form of library, the students were enlightened with the experience. It was a once a lifetime experience for them and it definitely encouraged them to be better managers.

34. Online Case Study Competition

35. Field Trip to Rajasthan- Dept of Travel and Tourism

36. E-Talks Session

37. International Women's Day

To celebrate International Women's Day at Mamata Bal Sadan for destitute orphans. Vishwakarma University, School of Pharmacy, under extension, organized and celebrated "International Women's Day" on 08th March 2022, Tuesday.

The theme for International Women's Day, 8 March 2022 is "Gender equality today for a sustainable tomorrow". To celebrate the day of womanism we had selected "Mamata Bal Sadan" orphanage, Saswad, Pune

Both the places were full of women's energy and positivity. Mamata Bal sadan gave the lesson to girls without parents. Following activities are executed by School of Pharmacy, Vishwakarma university:

Social awareness, adolescent girls education, hygiene management and distribution of hygiene material kit at Mamata Bal Sadan orphanage Saswad, Pune.

About Mamata Bal Sadan
"Mamata Bal Sadan" founded in 1994 by the famous philanthropic lady Smt. Sindhutai Sapkal with mission to bring up the orphans, destitute, distressed, children and women rehabilitation and

provide them with basic necessities, also uplift the deprived section of the society and make them capable to live as respected human being. It is located at kumbharvalan, tal. Purandar, dist. Pune. Till now the achievements of institution around 40 years of social work, more than 750 awards, mother of more than 1050 orphan children, 207 sons-in-law and 36 daughters-in-law. The shelter, ration, cloths, education, medical needs etc of these children are a responsibility shouldered by this institution; this work not only stops here but continues until these children become capable of living an independent and responsible life of their own. Total strength of girls at present 52 girls (Age 7 to 23 years) and 15 facilitators resides in the Sadan.

38. International Women's Day at Nirmal Seva Mahila Vrudhashram.

Vishwakarma University, School of Pharmacy, under extension activity organized and celebrated "International Women's Day" on 08th March 2022, Tuesday. The theme for International Women's Day, 8 March 2022 isNirmal Seva Mahila Vrudhashram,

Hadapsar, Pune. Nirmal seva mahila Vrudhashram parents without children touched to heart in depth. At the end realise both the extremities need love and care. Following activities are executed by School of Pharmacy, Vishwakarma university:

1. A free health check-up for old-age women will be conducted at Nirmal Seva Mahila Vrudhashram, Hadapsar, Pune

39.

40. Field Visit to regional Ayurvedic Research Institute, Pune.

41. Fild Visit

42.

43.

44. Industry Visit to Mapro Foods

A workshop on
MANAGEMENT OF SMALL BUSINESS ORGANIZATIONS

Organized By
Faculty of Commerce and Management, Vishwakarma University, Pune

Coordinator: Dr Rahul Waghmare

Expert
CA Nikhil Kenjale
Proprietor, Nikhil Kenjale & Co,
Chartered Accountants

Saturday, 22nd January 2022
11.00 AM to 1.00 PM

Note - This workshop is for MBA students

Scan to Join

AN ONLINE WORKSHOP ON
SYSTEMATIC LITERATURE REVIEW AND META-ANALYSIS

Organized By
Faculty of Commerce and Management and Research Cell,
Vishwakarma University, Pune

Coordinator:
Dr. Rahul Waghmare
(Deputy Director Research, Vishwakarma University, Pune)

Saturday, 12th March 2022
10.00 AM to 1.00 PM

Follow-Up Session
Tuesday, 15th March 2022
04.00 PM – 5.00 PM

Resource Person
Dr. Jaspreet Kaur
(Associate Professor, Pearl Academy)

CAREER ASPECTS IN PHARMACEUTICAL MANAGEMENT

Organised By School of Pharmacy,
Vishwakarma University, Pune

13 November 2021
12pm - 1pm

Scan to Attend

OUR EXPERT
Preetamkumar Inamdar
B.E Mech, M.Tech, MBA, Freelance Consultant,
Strategy Consultant and Product Manager with 7
years of experience in 3 countries.

COORDINATOR
Dr. Poonam R. Inamdar
(Assistant Professor)

ROTATIONAL DIFFUSOMETRIC SENSORS FOR RAPID AND SENSITIVE DETECTION OF INFECTIOUS PATHOGENS

Organised By VU CoE BBDDT

26 November 2021
2:00 PM -3:00 PM

Scan to Attend

COORDINATOR
Dr. Ponam. R. Inamdar
(Assistant Professor)

OUR EXPERT
Dr. Dhrubajyoti Das
(Department of Biomedical
Engineering, National Cheng Kung
University, Taiwan)

Scan to Attend

One Day Online Faculty Development Programme on
INNOVATIVE TEACHING LEARNING PEDAGOGY USING ICT TOOLS

23rd October 2021

Last Date of Registration: 22 October 2021

OUR EXPERTS
Dr. Dipti Tulpule
Assistant Dean (Amity Global
Business School, Pune)

OUR EXPERTS
Dr. Anwar Shaikh
Professor (Allana of Pharmacy, HOD
Pharmaceutical Chemistry)

Organised by
Internal Quality Assurance Cell, Vishwakarma University, Pune

50.

MEMORIZING DRUG STRUCTURES

Organized By
Department of Pharmacy, Vishwakarma University, Pune

Programme Coordinator: Dr Sabeena Syed

26th Feb 2022
11:00 AM

Scan to Join

Speaker
Prof. Mohan Rao Addi
(Founder& Managing Director
of APEX ACADEMY)

51.

RATIONAL USE OF NATURAL PRODUCTS AND NUTRITION SUPPLEMENTS IN HEALING COLON INFLAMMATION

Speaker

Organized By
Department of Pharmacy, Vishwakarma University, Pune

9 April 2022
1:00 PM

Programme Coordinator
Dr. Sabeena Syed

Link to Join

Prof. Mirza R. Baig
(Professor & Head, Department of Clinical
Pharmacy and Pharmacotherapeutics,
Dubai Pharmacy College)

52.

WORLD INTELLECTUAL PROPERTY DAY

Webinar on
Intellectual Property for Creative Minds

Objectives:
1. Creativity and Innovation are leading the way towards development.
2. Intellectual Property laws deal with the protection of rights.
3. The role that Intellectual Property and the Laws thereto play in nurturing creativity.

26ᵗʰ April 2022 | 11:00 AM - 1:00 PM

SCAN TO JOIN   SCAN TO REGISTER

Speaker
Lohita Sujith
(Senior Director, Copyright & Digital Economy at
the Motion Picture Association, India office)

53.

Online Faculty Development Programme on
EMERGING TRENDS IN PHARMACEUTICAL RESEARCH

Organized by
School of Pharmacy
Bringing Together Renowned Speakers Across the
Globe to Share Their Knowledge

6ᵗʰ January 2022 – 8ᵗʰ January 2022

Chief Guest:

Dr. Chetan Doshi
Chief Scientific Officer
USV Private Limited, Mumbai

Eminent Speakers :

Dr. Anil M. Pethe
Professor & Dean,
Datta Meghe College of Pharmacy,
Datta Meghe Institute of Medical
Sciences, Wardha

Dr. Randhirsingh Dahiya
Professor, Pharmacology Maharishi
Markandeshwar College of Pharmacy,
Mullana, Ambala,

Dr. Anjali Apte
Manager
Regulatory Affairs CMC,
PharmaLex Slough,
England, United Kingdom

Dr. Rajkumar Malayandi
Deputy General Manager,
Clinical research (Biopharmaceutics
and pharmacokinetics)
USV Pvt. Ltd., Mumbai.

Dr. Prashant Kharkar
Professor, Medicinal Chemistry,
Department of Pharmaceutical
Sciences and Technology (DPST)
ICT, Mumbai.

Dr.Shrinivas G. Bhope
Asst. General Manager-R&D
Sava Healthcare Ltd,
Chinchwad, Pune

54.

School of Pharmacy, Vishwakarma University, Pune

Field Visit to Regional Ayurveda Institute for Fundamental Research, Pune.
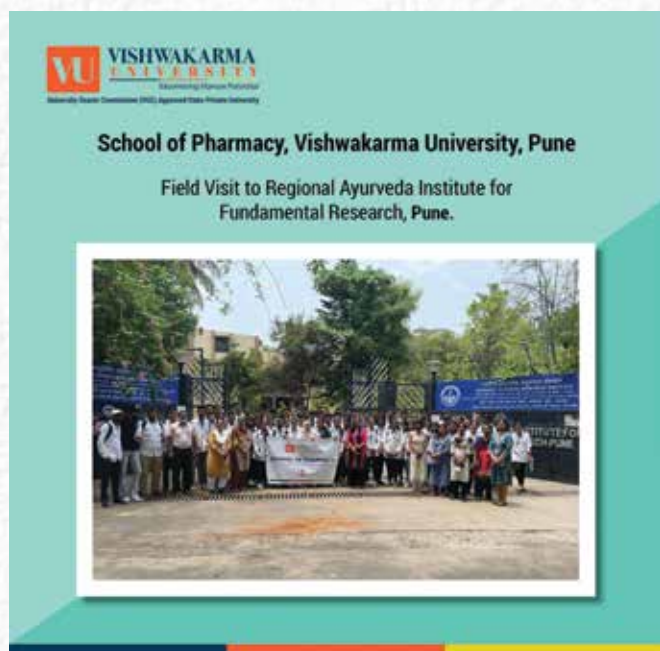
About Regional Ayurveda Institute for Fundamental Research

Regional Ayurveda Institute for Fundamental Research, Pune formerly known as National Research Institute in Basic Ayurvedic Sciences is a leading research centre of the Central Council for Research in Ayurvedic Sciences , Ministry of AYUSH, Govt. of India. It was established in May, 1961 by the Indian Government with a view to carry out survey, collections and cultivation of medicinal plants used in Ayurveda. Intially activities of the centre were limited chiefly to the development and maintenance of the demonstrative garden and to certain extent experimental cultivation of medicinal plants. In order to accelerate the research activities, the Council merged the Pharmacgnosy Research Unit

functioning at Indian Drug Research Association, Pune with Jawaharlal Nehru Ayurvedic Medicinal Plants Garden and Herbarium (Presently Regional Ayurveda Institute for Fundamental Research, Pune) in 1980 and established a Plant Tissue Culture Laboratory in 1990. Recently, Institute developed a molecular biology lab focused to work on the fundamental research on the principles of Ayurveda. One Quality Control Laboratory, for drug standardization has been setup. Furthermore, the centre maintains a small library, a herbarium and a reference museum of medicinal plants particularly of Ayurvedic importance.

The scientists of the center Dr. Manoj Vanjhari (Assistant Director In-charge), Dr Rasika Kolhe (Research Officer Ayurveda) and Dr. Anagha Ranade (Research Officer Ayurveda) guided students regarding various herbs, medicinal plants and their uses. They also explained about the preparation and maintenance of

herbarium. Students got an exposure to large number of plants in medicinal plant garden. Total 75 students along with 5 faculty members visited the institute. Knowledge received by students at the center will definitely help them to build a career in herbal drug technology.

55. The Proposed Artist/expert will conduct a sequential 3-4 Days workshop supported activities, together with the group Mentor & subject teacher on the online platform. Throughout the workshop, students are going to be ready to understand various prospects of Indian culture, Art & Crafts. The focus of the workshop is Hands-on Practices and their application for creating contemporized art forms. Various techniques and designs are going to be explored by the students throughout the workshop. The Workshop will help to have interaction with students within the learning process and other allied subjects; this learning enhances critical thinking, material practice, prototyping which improves general attitudes toward Arts and crafts.

Details of Proposed Expert: Dr. SADANAND CHAUDHARI

Professional Freelance Artist, Many Group shows in India & Abroad Recently acquired a Ph.D. degree in Fine Arts, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

Research Entitled "मुखवट्यांची रंगकाला आणि रंगकलेतील मुखवटे"

"Mask employed in Painting/Art and Mask Painting" He has worked and assisted for several projects associated with painting & installation.

Education: Ph.D. in Fine Arts; BFA; MFA (other Diploma courses ATD, Photography, Dip.AED)

56. A one day film workshop will be something which students really need nowadays. They need to understand the importance of films. Current cinema trend is changing a lot. We need to understand as an audience how to judge and appreciate a film. As the audience and the industry are shifting from commercial cinema to meaningful cinema and web series.
Brief:
- Introduction to Filmmaking.

- Difference between Filmmaking and videography.
- Different subjects to go ahead in film-making.
- Introduction to the subjects.
- How can one make money out of film-making?
- Q&A sections at the end of the workshop.

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59. Specialization Choice Series- C&M

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64. Report of IEEE VU Student Branch activities.

IEEE VU Student branch was inaugurated on 9th of March 2022 under the guidance of faculty coordinator and mentor of this student branch, Prof. Bharati Ainapure mam, conveyer Dr. Nitin Satpute and other respected authorities of Vishwakarma University. The event was conducted online without any hindrance by the team members of the student branch. More than 200 students and teachers witnessed this live event. After the event, the senior team members of the student branch conducted an online meet and explained every other junior team members' role and responsibilities and it also discussed the plan of 1 Technical and 1 Non-Technical Event for the coming months. Later, after reopening of college the senior members regrouped and made everyone comfortable with the offline IEEE VU student branch activities. The offline meet agenda consisted of ongoing social media promotion of this student branch on various platforms for increasing reach, adding more members to the group and making everyone aware of the activities that this branch is conducting or will be conducting. Creation of an appealing and detailed website which would showcase all our activities and upcoming events was also discussed in this meet. The first major event under this student branch was a poster making event for the third-year students of BTech on 21st April 2022. Total 28 teams participated in this event with their good-looking posters. The event received a massive response from all TY students and they all had presented their posters on the standees. All the posters were reviewed by the teachers and appreciated all the group member's efforts. This whole event was handled greatly by all the team members of this branch and they ensured that all the process was being carried out smoothly. Some stills from the Poster making event-

65. Swayam Vishwa Vikas

Special training programme for the Non-Teaching staff to train them in basic IT management and day-to-day mobile application usage.

The training included-
Introduction to computer; Parts of computer, It's usage; (What is computer? Inside Computer); Password; Settings; Install/Download; MS Office; Email Writing; Google Drive Operations; Website Surfing; Ecommerce Websites-book my show-swiggy-light bill-Uber/Ola/Rapido etc.

66.

Online Faculty Development Programme on
"Revisiting HR for Academic Excellence"
Organized by
**Faculty of Commerce and Management,
Vishwakarma University, Pune**
in Collaboration with
ISTD Pune Chapter

30th August 2021 - 3rd September 2021

TOPICS TO BE COVERED:

Day 1:
Session 1 (10:15 am to 11:30 am) - Taming the Time Monster
Session 2 (11:45 am to 01:15 pm) - Academic Leadership
Session 3 (02:15 pm to 03:45 pm) - Perspective of Industrial Relations

Day 2:
Session 1 (10:15 am to 11:30 am) - Organizational Power, Politics and Group Dynamics
Session 2 (11:45 am to 01:15 pm) - Employee Engagement (Pre and Post Covid Era)
Session 3 (02:15 pm to 03:45 pm) - Online Emotional Involvement and Teaching Techniques

Day 3:
Session 1 (10:15 am to 11:30 am) - HR Analytics
Session 2 (11:45 am to 01:15 pm) - HR Analytics
Session 3 (02:15 pm to 03:45 pm) - General Intelligence, Emotional Intelligence & Social Intelligence

Day 4:
Session 1 (10:15 am to 11:30 am) - Contemporary Practices in HRM – Industry Perspective
Session 2 (11:45 am to 01:15 pm) - Mentoring as an HR Intervention
Session 3 (02:15 pm to 03:45 pm) - Diversity and Inclusion at Workplace

Day 5:
Session 1 (10:15 am to 11:30 am) - Positive Mental Health
Session 2 (11:45 am to 01:15 pm) - Ethical Concerns at Workplace
Session 3 (02:15 pm to 03:45 pm) - Valedictory Function and Assessment

67.

AUDIO VISUAL STORYTELLING WORKSHOP

Wednesday, March 10 2021
Zoom meeting- 3pm

Vishwakarma University
Centre of Communication for Development

68.

Brought to you by
The Cultural Committee of — VISHWAKARMA UNIVERSITY — In association with VU CCD

Join us for an illuminating discussion between
Mr. Prashant Girbane with Dr. Radheshyam Jadhav on
"The Journey of India's Economic Freedom"

About the Speaker
Mr. Prashant Girbane
Director General of MCCIA

DATE Friday, March 12, 2021
TIME 11:00 am onwards
Join Us

69.

Vishwakarma University's Center of Communication for Development
FOUNDATION DAY CELEBRATION

Chief Guest
Mr. Devendra Bhujbal
Editor, Marathi News Stories
Former Director Information,
Government of Maharashtra.

Prof. Dr. Kiran Thakur
Professor Emeritus
Director-VUCCD

Prof. Dr. Chetan Kapadnis
Dean, Faculty of Media and
Communication

Prof. Dr. Radheshyam Jadhav
Mentor-VUCCD
Adjunct professor

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77. Pink October! October is observed as the month of "Breast Cancer Awareness" globally.

"Educating yourself, educating others" is the key to fighting against the second most common cancer type in women. Early detection increases the chances of survival; hence awareness is the first step in healing.

We, VU School of Pharmacy, organised an expert session on "Breast Cancer Awareness " to spread the awareness, protect our loved ones and society to maximise the awareness. Session was delivered by Ms. Rebecca D'Souza , director of Survivorship and Community Research, Nag Foundation .

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92. **Industrial Visit- ELRINGKLINGER Pvt Ltd**

ELRINGKLINGER is a company that manufactures and sells car parts to firms like Mahindra & Mahindra, Suzuki, and others. The pupils learned a lot about how the operations are carried out. Workforce management, quality control, electrical usage, cost management, operations and logistics, supply chain management, coordination of multiple levels of management, proper work division, optimum resource utilization, and many other managerial aspects of the factory are discussed. We also saw real demonstrations of how the parts are created using plastic that can withstand high temperatures. ELRINGKLINGER was one of the few locations that remained partially operational during the lockdown and the corona virus epidemic. This was really a very informative visit Thursday, 05 may,2022 gave us a real-life perspective about all the subjects we had studied till now.

93. **Industrial Visit: Kleanwise Solutions**

Kleanwise Solutions was a MSME that provided laundry services at a larger scale to hospitals, hotels and railways. The students learned a lot about how an MSME operates. About workforce management, quality control, conflict resolution, cost management, operations and logistics, supply chain management, coordination of different levels of management, proper division of work, optimum utilization of resources and many more managerial aspects of the MSME. We also got practical examples of different assets and expenses, according to accounting terms, like, capital assets, revenue expenses, capital expenses, deferred revenue expenditure, etc. Kleanwise Solutions was one of the few places that stayed fully functional all throughout the lockdown and the corona virus pandemic. We learned how they survived and operated under such a critical situation of the pandemic and adhered to all the government guidelines. They didn't have a single employee or worker who was found COVID positive even though they used to wash and work on sheets and other clothing of COVID-19 patients since the beginning of the pandemic. Our tour guide explained us how he himself used to take the infected sheets in his hands and disinfect them, to ease the fear of catching the virus in the minds of his workers. This was really inspiration from a managerial as well as humanitarian perspective. Our visit to Kleanwise Solutions on Saturday,19 march, 2022, gave us a real life perspective about all the subjects we had studied till now, like business accounting, business mathematics, Indian business environment, micro economics, and principles of management.

Industrial Visit: Science Park

We visited the Science Park in Pimpri Chinchwad on Saturday, 19 March, 2022. It was a very new and different experience for us, the students of management, as it was not related to our subject and field directly. Visiting the Science Park of Pimpri Chinchwad really helped us get a broader perspective on how we view science, and helped us realize how every subject and everything is related to management, either directly or indirectly. We realized the importance science plays in our jobs as future managers as well. The science park of pimpri chinchwad gave us a display of lots of things related to science. It showed us how humanity and technology have progressed, right from the start of time, before we became homo sapiens. We saw different elements of science, like different types of motion- linear, rotary, etc, different types of energy-chemical, heat, light, kinetic, etc, and different inventions and innovation in the field of science. One section of the exhibition was dedicated to the technology and innovations in the automobile sector, and there were displays of real cars of Mahindra and Tata and how each part of them works and how they all work together. There were models of individual parts of an automobile like brake, clutch, horn, engine, compressor, etc. There was one floor dedicated towards the innovations in field of energy. It showed the different types of energy, how each type can be extracted, and stored. It also showed how we could move towards a more sustainable future, by soon completely substituting every source of energy, with a renewable one like- solar, wind, etc, and lower our carbon emissions, control global warming, and preserve our environment to the best of our abilities. Having the knowledge of all of this is very important for a manager as they play a very big role in ecological and technological sector of a business environment.

94. **Industrial Visit: Central Water and Power Research Station**
CWPRS, a part of the Union Ministry of Jal Shakti, Department of Water Resources, River Development and Ganga Rejuvenation, is one of the foremost organisations in the world in the field of hydraulics and allied research. The organization is a perfect blend of Management & Research and unique in its ways. As a part and parcel of academic activities we wish to expose our management students to various sectors from government to private. The management students will got a good knowledge

of the functioning of the organization as well as its technical aspects that helped them to become better managers in future. The students being youth of our nation it was important for them to understand how national level organizations work, perform & executive for various national objectives and CWPRS stand and epitome for the same. From visiting simulation sites to having a look at one of the largest archives of the country in the form of library, the students were enlightened with the experience. It was a once a lifetime experience for them and it definitely encouraged them to be better managers.

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1. UN programs conducted aligned with SDG Goals -
a. RIO +25 UN Water action Decade International Course 2021
b.COP +26 International Climate Action Short Term Program 2021
c.IPWI 2021 International Special Course in Plant Health, Forests and Agriculture

20 | UNIVERSITY EVENTS

20.1 CONVOCATION 2022

EVENTS:

• Dance group performed on the theme of Women Empowerment/Acid Attack/Sexual harassment and other issues of general importance

• Music Group will be performing on the theme of importance of Gender Neutrality and Preventing Gender Bias by portraying women in various roles.

Song:-BEKHAUF WOMEN AS MOTHER Different roles she has, but this role is not replaceable no matter what, a mother. You will never ever be able to pay back your mother for what she has done to you. What could I say about a mother? Words, poetry, and everything will stand speechless to describe our mothers for what they have done to us, and what they are capable of.

Song:-MAA WOMEN AS DAUGHTER Woman as a daughter is one of the most important roles of women. A daughter is the source of kindness, tenderness, and beauty. Your daughter is the first and perhaps the only one who idolizes you and look forward to you as a role model.

Song:-O RI CHIRAYIYAAN WOMEN AS SISTER She, as a sister, is not an object or a person who just listens to you, man-You, as a brother, always have to stand by your sister, to go out with her, to treat her nicely. She is the power you have, the kindness you live with, the one who feels you, understands you, steps up when your back is against the wall, and more importantly, stands by you when you need help without even asking her to.

20.4

of responsibility raised between them for public awareness. The vote of thanks was delivered by Prof. Mrunalini Kulkarni.

20.6

20.5 (World Tuberculosis Day 2022)
School of Pharmacy, Vishwakarma University, Pune-411048

School of Pharmacy, Vishwakarma university had organized an extension activity with collaboration with Health Department, Pune Municipal Corporation (PMC) to create and raise public awareness about the devastating health, social and economic consequences on major tropical disease, tuberculosis (TB). The activity was planned on day, Thursday at 24- March-2022. Approximately 20 students of D. Pharm. had participated in the awareness program. The venue for the program was Meenati Takre Maternity Home, Bhagyoday Nagar, Shreehans Nagar, Kondhwa, Pune, Maharashtra 411048. The activity involved street play performed by the students of diploma second year informing about the causes, prevention, treatment of TB. A small rally for awareness towards TB was also organized. Dr. Irfan Khan, Medical officer, Health Department, PMC had delivered a session to spread awareness on TB. He addressed about the symptoms, cure, prevention and medication related to TB. Moreover, 5 students participated in poster competition organised by PMC. They won 3rd prize in the competition and get felicitated by PMC.

Overall, the activity was highly informative and educative. It also helped to spread awareness regarding tuberculosis. They were also guided regarding the treatment centres and were instructed about the social responsibility of a pharmacists towards public health and awareness. The students get motivated and a sense

20.6 Farewell
20.7 Induction Programme

Pratiksha Jadhav
B.A. Journalism and Mass Communication III Year

Providing needy with hygienic home-cooked food

Esra Ahmed
B.A. Journalism and Mass Communication II Year

'Women's Day Special: The Queen challenged customs and traditions and enabled Saudi women to be educated'

Manisha Swain
B.A. Journalism and Mass Communication III Year

Women's Day Special: Tiffin Wali Aunty, A Women Who Became Annapurna For Hostelites

Siddhi Dharmadhikari
B.A. Journalism and Mass Communication III Year

Women's Day Special: A Thelewali With An Unbending Will

Anil Malla
B.A. Journalism and Mass Communication II Year

Admissions Office

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