



**VISHWAKARMA
UNIVERSITY**

Maximising Human Potential

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



Annual Report 2020 - 21

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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 |
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Maximising Human Potential

T A B L E O F C O N T E N T S

| | | |
|--|-----------|--|
| | 01 | Message from the Desk 1.1 President 1.2 Vice-President 1.3 Vice-chancellor |
| Vision, Mission and Value statement | 02 | |
| | 03 | Legacy |
| Milestones | 04 | |
| | 05 | Awards and Recognition 5.1 Assocham 5.2 U-multi The ranking 5.3 THE ranking |
| Organizational Structure 6.1 Organogram 6.2 Committees 6.3 Compliance and Approvals 6.4 Authorities and Statutory bodies 6.5 Faculty- Schools- Departments 6.6 COE office | 06 | |
| | 07 | Infrastructure 7.1 Physical Infrastructure <i>a. Labs, JMC- Studio, classrooms etc Eco-campus living lab, SAPI360lab b. Hostel c. Medical assistance on campus</i> 7.2 Digital Infrastructure |
| Convocation 8.1 2021 | 08 | |
| Research, Innovation & Entrepreneurship 10.1 Research Policy, Research Support 10.2 Innovation and Start-up Policy 10.3 Research Publications, Patents 10.4 Centre of excellence <i>a. Vigyan Centre of Excellence b. Centre of e-learning- VU Digital b. Centre of e-learning- VU Digital c. Centre of Excellence Biosystems, Biomedical and Drug and Delivery Technologies</i> | 09 | Academics 9.1 Departments- programmes 9.2 New Programmes 9.3 Minor Track |
| | 10 | <i>d. Wilo-VU Water Quality centre of Excellence Emerging Digital Grid e. Centre of Excellence for Energy and Sustainability f. Centre of Excellence-Industry 4.0 g. Centre of Excellence for Media Event Entertainment and Tourism h. Centre of Excellence For Emerging Digital Grid and E-Mobility i. Centre of Excellence- VU-IQUBE j. Centre of Excellence for Design thinking & Innovation k. Centre of Excellence I-berg</i> |

T A B L E O F C O N T E N T S

Faculty Activities

- 11.1 Faculty Strength, Composition (Qualification, Region and Gender)
- 11.2 Faculty Capacity Building programmes
- 11.3 Faculty achievements (Awards, FDPs etc)

11

Student Activities

- 12.1 Student Strength
- 12.2 Students Achievements (Academics, Sports, Extra-curricular)
- 12.3 NSS, NCC and other activities

12

International Presence

- 13.1 MoUs
- 13.2 Exchange Programme
- 13.3 Collaborations and Projects
- 13.4 International Guest lectures

13

Industry Connect

14

Events

- 15.1 Independence Day, Republic Day
- 15.2 International Yoga Day
- 15.3 Walkathon
- 15.4 Arambh
- 15.5 Sadhishthan
- 15.6 Vishwayan
- 15.7 Hackathon
- 15.8 Unnat Bharat (Funding etc)
- 15.9 Swachh Bharat, Swachh Ranking
- 15.10 Quick-heal cy-fi art festival
- 15.11 LGCE Event
- 15.12 Virasat
- 15.13 Shukriya
- 15.14 Important days (Tourism Day etc)

15

Social outreach

- 16.1 Blind-stick
- 16.2 Bolki anganwadi
- 16.3 Adopted Village, Water ATM

16

Media- newspaper clippings

17

Projects

- 18.1 Ranka Jewellers consultancy
- 18.2 Ruby Hall Clinic Project
- 18.3 Wadia Hospital Dengue research
- 18.4 Psychology-Music Department Project

18

Covid Response

- 19.1 Vaccination Drive
- 19.2 Covid Support
- 19.3 Campus safety initiatives
- 19.4 Covid awareness- digital courses

19

01



**MESSAGE
FROM THE
DESK**

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.



02



**VISION,
MISSION &
VALUE**

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.



The Vishwakarma University, Pune

Vishwakarma University, Pune (VU) is a natural offshoot of the Vishwakarma Group of Institutions' educational legacy spanning more than 35 years. The University has been established as a State Private University through Maharashtra Government Act in the year 2017. Being UGC approved, VU is authorized to design and implement its curriculum, conduct examinations, and award degrees.

Vishwakarma University is Member of Association of Indian Universities (AIU, New Delhi). As per Times Higher Education Global Impact Rankings 2021, Vishwakarma University, Pune is featured in the top institutions amongst 1200 universities from 98 countries/regions. These rankings assess universities against the United Nations' Sustainable Development Goals (SDGs). VU Awarded as Emerging University by Associated Chambers of Commerce & Industry of India (ASSOCHAM - Estd. 1920).

Programmes at Vishwakarma University (VU), Pune are approved by respective councils

- Pharmacy –D. Pharm and B.Pharm programmes are approved by Pharmacy Council of India, New Delhi.
- Law - BBA LLB and LLB programmes are approved by BAR Council of India, New Delhi.
- Architecture - B.Arch programme is approved by Council of Architecture, New Delhi.

The University focuses on academic excellence, positively impacting the student community and the society at large. The learning model at Vishwakarma University is the combination of knowing, practicing, performing, and reflecting. The “learning by doing” approach practiced through industry participation provides an opportunity for practical and pragmatic learning to students.

Through a contemporary curriculum and ecosystem of holistic development, the university aims to prepare learners for fulfilling career paths.



03



**VU
LEGACY**

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 endeavours. 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.





3

Awards and Ranking
U Multi- Ranking,
THE Impact ranking,
Assocham Award

1

Establishment



05



**VU AWARDS &
RECOGNITION**

VU Awards & Recognition

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.



VU Achievements



U-Multirank World Rankings of Universities for 2019-20

Vishwakarma University, Pune's untiring endeavour to transform the education sector in India has been validated by U-Multirank World Rankings of Universities for 2019-20. VU successfully made it to the latest ranking list of U-Multirank published on 9th June 2020.

VU competed with 1759 participants from 92 countries. 15 Universities and institutions with rich educational legacy and decades of experience including the likes of BHU, IIT, AIIMS, etc. participated from India, yet Vishwakarma University stood out amongst the competition.

VU scored high on indicators such as - student internships, student to faculty ratio, student engagement, teaching-learning, etc. VU was judged "Very Good" on 2 out of 5 identified parameters. We thank all our students and parents for placing their trust in us. We remain committed to consistently create value for our students.

**U-MULTIRANK
WORLD UNIVERSITY
RANKINGS**

20 **VISHWAKARMA UNIVERSITY**
20 **RANKED**
ONE OF THE BEST IN INDIA

U **multirank**
Universities compared. Your way.

Swipe to read more

CONGRATULATIONS !!!

U **multirank**

**U - MULTIRANK
WORLD UNIVERSITY
RANKINGS 2020**

VU RECOGNIZED 'VERY GOOD'
TEACHING AND LEARNING
(BBA & MBA)

VU

**TOP
RANKED!**

MULTIDIMENSIONAL
INDEPENDENT
TRANSPARENT
STRINGENT
ANALYTICAL
QUALITY ASSESSMENT BY

U **multirank**
Universities compared. Your way.

VU Achievements



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: SDG 7 – 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 VU, is one of the youngest universities to participate in the world rankings.



Elets Best Design Institute

Vishwakarma University is the winner of Excellence in Design Education at the eLets 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.





Vishwakarma University, Pune
has been declared **WINNER** for



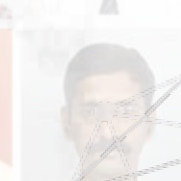
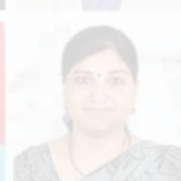
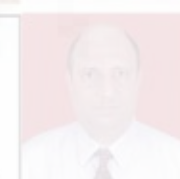
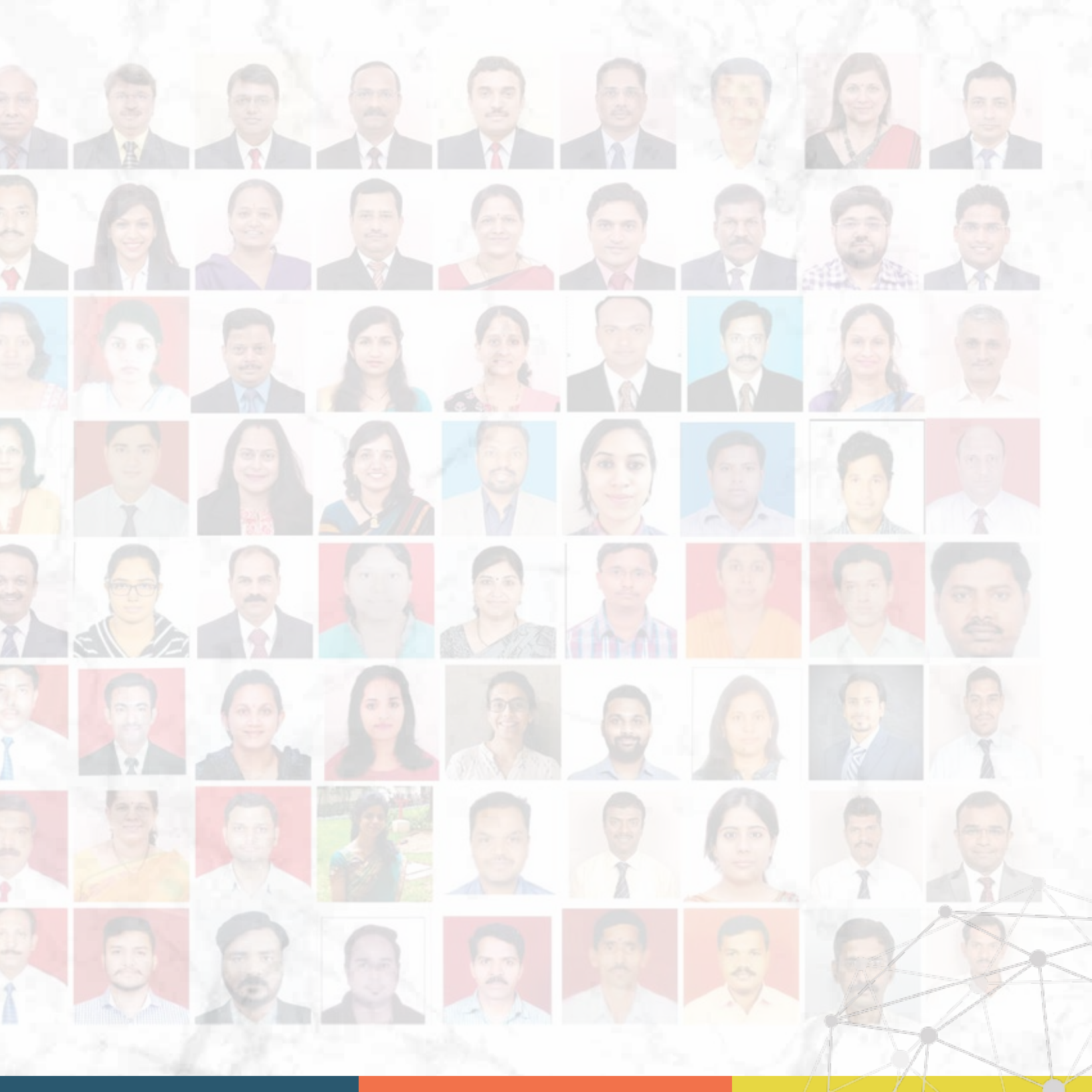
At the World Education Awards 2021 (Higher Education)
held on **March 6, 2021**

For the Project

**Industry on Campus and
Industry Connect**



**VU
ORGANIZATIONAL
STRUCTURE**



VU – Governing Body

| Sr. No. | Name | Designation | Role |
|---------|--|-----------------------------------|------------------|
| 1 | 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 |



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

| | |
|--|---|
| <p>Administration</p> <ul style="list-style-type: none">IQACVU DigitalCounselling and Admission OfficeResearchKnowledge Resource CentreStudent WelfareInternational RelationsIndustry Connect and Career Support | <p>Center of Excellence</p> <ul style="list-style-type: none">Center for E-LearningCenter for Industry 4.0Vigyan Centre of ExcellenceUnity Center of ExcellenceVU-IQUBEE-Mobility COECenter of Excellence for Energy and SustainabilityCenter of Excellence for Design Thinking and InnovationBiosystems, Biomedical and Drug Delivery TechnologiesCommunication for DevelopmentWater Quality Centre of ExcellenceVU - 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)

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

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

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 | 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. Sarika Sagar | Programme Head – Faculty of Law |
| 15 | Prof. 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 | 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 | Dr. Avadhut Murari Atre | Dean | Faculty of Art & Design (A&D) |
| 3 | Dr. Jayashree Nitin Vispute | Dean | Faculty of Commerce & Management (C&M) |
| 4 | Dr. Chetan Vasantryao Kapadnis | Dean | Faculty of Humanities and Social Sciences (HSS) |
| 5 | Dr. Chetan Vasantryao Kapadnis | Dean | Faculty of Interdisciplinary Studies |
| 6 | Dr. Chetan Vasantryao Kapadnis | Dean | Faculty of Journalism, Media & Communication (JMC) |
| 7 | Dr. Nitin Vijay Satpute | Dean | Faculty of Science & Technology (S&T) |
| 8 | Ms. Sarika Janardhan Sagar | Programme Head | Faculty of Law |
| 9 | Mr. 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 | Mr. Prashant S. Acharya | Faculty of Art & Design | Department of Graphic Design |
| 2 | Mr. Rahul Suresh Honrao | Faculty of Art & Design | Department of Interior Spaces |
| 3 | Mrs. Reena Sanjay Pandey | Faculty of Art & Design | Department of Fashion |
| 4 | Mrs. Rakhi Girish Charwad | Faculty of Art & Design | Department of Design Fundamental |
| 5 | Mr. Omkar Sadashiv Rane | Faculty of Art & Design | Department of Product Design |
| 6 | Mr. Mandar Suryakant Naik | Faculty of Art & Design | Department of Animation |
| 7 | Dr. Archana Singh | Faculty of Commerce & Management | Department of Management |

| Sr. No. | Name of the Faculty Members | Name of the Faculty | Name of the Department |
|----------------|--------------------------------------|---|--|
| 8 | Dr. Omvir Gautam | Faculty of Commerce & Management | Department of Business Administration |
| 9 | Dr. Pashmina Piyush Doshi | Faculty of Commerce & Management | Department of Business Administration |
| 10 | Ms. Ankita Pandurang Sangle | Faculty of Humanities & Social Sciences | Department of Economics |
| 11 | Dr. Bhupender Singh | Faculty of Humanities & Social Sciences | Department of Psychology |
| 12 | Ms. Ruchira Kedar Bartake | Faculty of Humanities & Social Sciences | Department of Music |
| 13 | Ms. Aarti Ajay Suryawanshi | Faculty of Interdisciplinary Studies | Department of Event Management |
| 14 | Dr. Rajendra Vishnu Awate | Faculty of Interdisciplinary Studies | Department of Public Health |
| 15 | Mr. Mayuresh V. Belsare | Faculty of Media & Communication | Department of JMC |
| 16 | Mr. Vaibhav M. Thakare | Faculty of Media & Communication | Department of Visual Arts |
| 17 | Ms. Sarika Sagar | Faculty of Law | Department of Law |
| 18 | Mr. Makarand Vishnu Puri | Faculty of Pharmacy | Department of Pharmaceutical Chemistry |
| 19 | MS. Sonali G. Manwatkar | Faculty of Pharmacy | Department of Pharmacology |
| 20 | Mrs. Maya Mahesh Kurulekar | Faculty of Science & Technology | Department of Engineering Science |
| 21 | Mr. Sandip Shrinivas Kulkarni | Faculty of Science & Technology | Department of Mechanical Engineering |
| 22 | Dr. Nazia Wahid | Faculty of Science & Technology | Department of Statistics |
| 23 | Dr. Jagadish V. Tawade | Faculty of Science & Technology | Department of Mathematics |
| 24 | Prof. Pooja Kulkarni | Faculty of Science & Technology | Department of Computer Science |
| 25 | Dr. Shraddha Khamparia | Faculty of Science & Technology | Department of Water Sanitation & Hygiene |
| 26 | Dr. Sanjesh Sadanand Pawale | Faculty of Science & Technology | Department of Computer Engineering |

Internal Complaint Committee

| Sr. No. | Name | Designation | Role |
|---------|---------------------------|----------------|-------------|
| 1 | Dr. Jayashree Vispute | Faculty Member | Chairperson |
| 2 | Prof. (Dr). Yuvraj Lahoti | Faculty Member | Member |
| 3 | Prof. Vaishali Wagh | Faculty Member | Member |
| 4 | Prof. Radhakrishna Batule | Faculty Member | Member |
| 5 | Dr. Sheetal Naik | Faculty Member | Member |
| 6 | Prof. 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. 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. 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. Umesh Patwardhan | Faculty Member | Member |
| 5 | 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. Radhakrishna Batule | Faculty Member | Member |
| 3 | Prof. Vijaya Hake | Faculty Member | Member |

Student Disciplinary Committee

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



IQAC – Core Committee

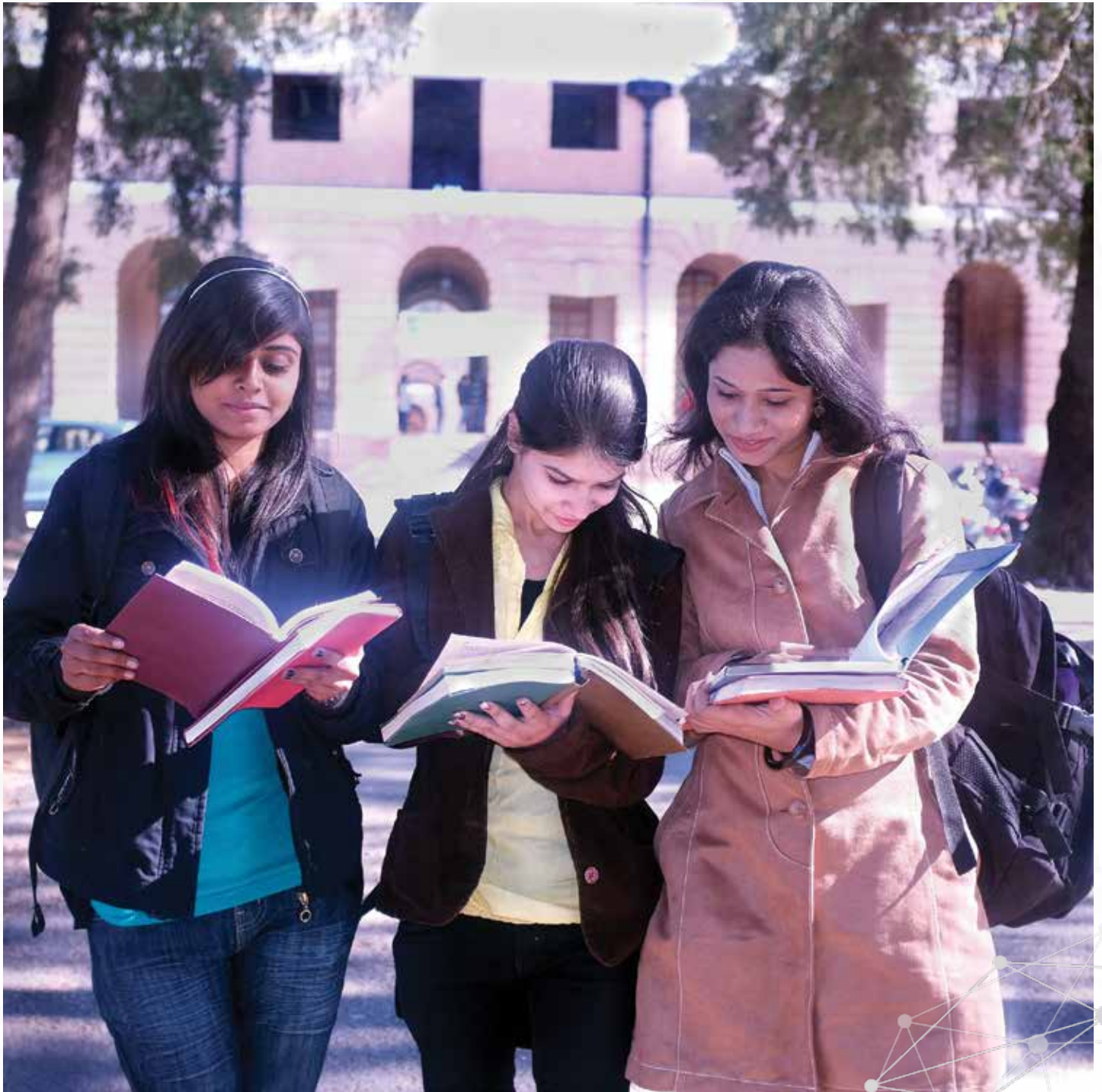
| Sr. No. | Name | Designation | Role |
|---------|-------------------------------------|---|-------------------------------|
| 1. | Prof. (Dr.) Siddharth Jabade | Vice Chancellor | Chairperson |
| 2. | Prof. (Dr.) Wasudeo Gade | Vice President | Member from Management |
| 3. | Dr. Chetan Kapadnis | 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. | Mr. Amol Randive | Head, Industry Connect and Career Support | Member |
| 8. | Ms. 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. | Dr. Nitin Satpute | Dean, Faculty of Science and Technology | Member |
| 13. | Ms. Sarika Sagar | Programme Head, Faculty of Law | Member |
| 14. | Mr. 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. | 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) |
| 25. | Dr. Dipmala Patil | Faculty Member, Pharmacy | Coordinator/ Member Secretary |

IQAC – Section Heads

| Sr. No. | Name of the Faculty Member | Faculty/ Department | Role |
|---------|----------------------------------|---|---|
| 1. | Dr. Chetan Kapadnis | Dean, Humanities and Social Sciences Dean, Journalism, Media & Communication | Director |
| 2. | Dr. Sukdeo Ingale | Faculty of Law | Curriculum Aspects |
| 3. | Dr. Padmaja Kathikar | Faculty of Law | Curriculum Aspects |
| 4. | Dr. Poonam Inamdar | Faculty of Pharmacy | Teaching, Learning & Evaluation |
| 5. | Dr. Pashmina Doshi | Faculty of Commerce & Management | Teaching, Learning & Evaluation |
| 6. | Mr. Srinivas Chippalkatti | Faculty of Science & Technology | Research, Innovation & Extension |
| 7. | Mr. Ansari Jameel Ahmad | Faculty of Science & Technology | Infrastructure & Learning Resources |
| 8. | Ms. Sukanya Kulkarni | Faculty of Humanities & Social Sciences | Infrastructure & Learning Resources |
| 9. | Dr. Swati Mutha | Faculty of Pharmacy | Student Support and Progression |
| 10. | Dr. Shraddha Kaje | Faculty of Art & Design | Governance, Leadership & Management |
| 11. | Dr. Vidya Desai | Faculty of Humanities & Social Sciences | Institutional Values and Best Practices |
| 12. | Dr. Jagadish Tawade | Faculty of Science & Technology | NIRF / Research, Innovation & Extension |
| 13. | Ar. Aishwarya Khadse | Faculty of Architecture | Benchmarking/ Analysis |
| 14. | Dr. Shraddha Khamparia | Faculty of Science & Technology | THE Ranking |
| 15. | Ms. Unmesha Patil | Faculty of Law | Atal Ranking |
| 16. | Ms. Madhavi Dachawar | Faculty of Science & Technology | ERP Coordinator/ Campus Mgmt |
| 17. | Mr. Shailesh Thaware | Faculty of Science & Technology | ERP Development |
| 18. | Ms. 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. | Mr. Nishant Sutare | Faculty of Humanities and Social Sciences | Travel & Tourism |
| 2. | Mr. Rahul Bharadwaj | Faculty of Humanities and Social Sciences | Music |
| 3. | Ms. Ankita Sangle | Faculty of Humanities and Social Sciences | Economics |
| 4. | Ms. Alisha Nagraj | Faculty of Humanities and Social Sciences | Psychology |
| 5. | Dr. Omvir Gautam | Faculty of Commerce & Management | Management |
| 6. | Ms. Apurva Bhilare | Faculty of Law | Law |
| 7. | Mr. Abhishek Bhosale | Faculty of Journalism, Media & Communication | Journalism & Mass Communication |
| 8. | Dr. Preeti Mehta | Faculty of Pharmacy | Pharmacy |
| 9. | Ms. Vaishali Wagh | Faculty of Art & Design | Fashion Design |
| 10. | Ms. Shraddha Jadhav | Faculty of Art & Design | Interior Design |
| 11. | Mr. Deepak Giri | Faculty of Art & Design | Graphic Design |
| 12. | Mr. Swatish Thiyagu | Faculty of Art & Design | Product Design |
| 13. | Ar. Anjali Rasane | Faculty of Architecture | Architecture |
| 14. | Mr. Sandip Kulkarni | Faculty of Science & Technology | Mechanical |
| 15. | Ms. Aarti Hakim | Faculty of Science & Technology | Statistics |
| 16. | Ms. Sanika Bam | Faculty of Science & Technology | Yoga & Naturopathy |
| 17. | Dr. Shraddha Khamparia | Faculty of Science & Technology | Engineering Sciences |





INFRASTRUCTURE

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 and 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.



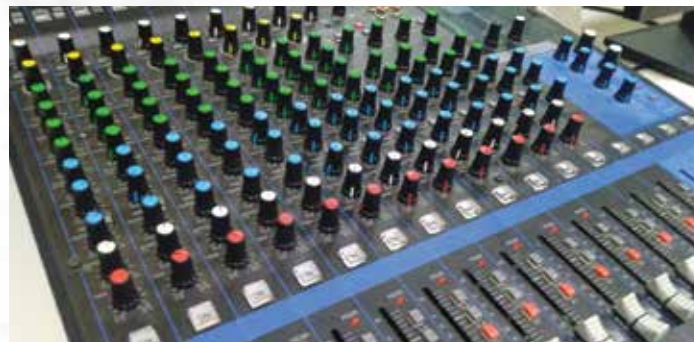
b. Variety of conference rooms, seminar rooms and traditional classrooms allowing greater versatility in its usage. Group work with individual attention to students such that they become active listeners and contributors in the class are the hallmarks of the design elements.



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.



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. Amphitheatres 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.



08



CONVOCATION

2nd Convocation 2021

Vishwakarma University, Pune, celebrated a glorious virtual convocation for its 2nd graduating batch of students on July 26, 2021. The Chief Guest, Prof. (Dr.) Harvey Stenger (President, Binghamton University, State University of New York) and the Guest of Honour, Mr. Sudhir Mehta (President, MCCIA) attended the convocation, which was presided over by Mr. Bharat Agarwal (President, Vishwakarma University, Pune).

President Stenger urged the students to be inquisitive and never stop asking questions in the quest of life-long learning. It was an emotional event as we celebrated this milestone for all students, applauded the achievers, and wished the students good luck for their journey forward.

Prof Dr. Yuvraj Lahoti, Controller of Examination led the virtual convocation procession during the ceremony. Degrees were conferred in the faculty of management, humanities, law, and science and technology.

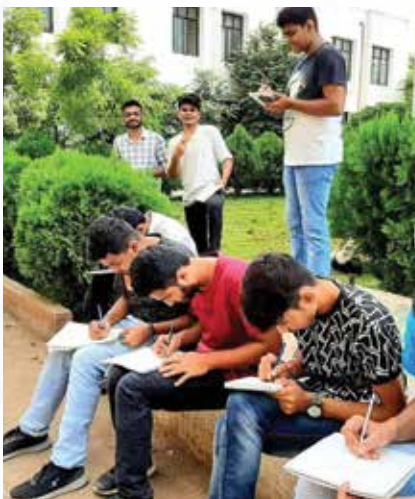
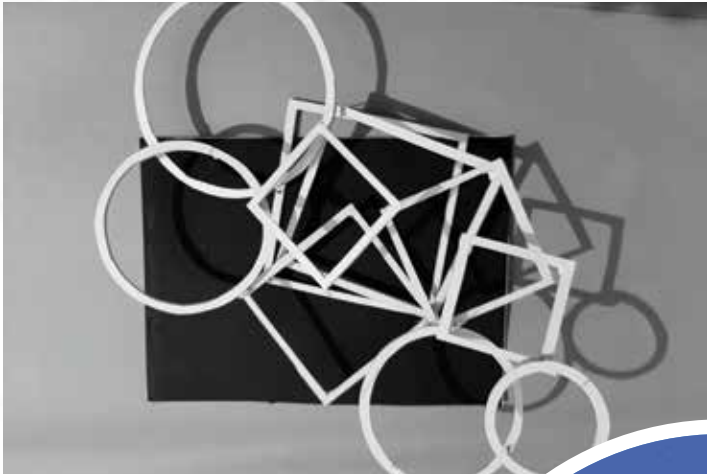




ACADEMICS

| 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 |





**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.





**FACULTY
OF
ART & DESIGN**



Departments 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.

Department of Fashion

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 & 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

The 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.



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.

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.





**FACULTY
OF
COMMERCE &
MANAGEMENT**



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.

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 to study world scenarios influencing 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 students and developing them to be the best masters in animation and IT industry.

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.





**FACULTY
OF
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.

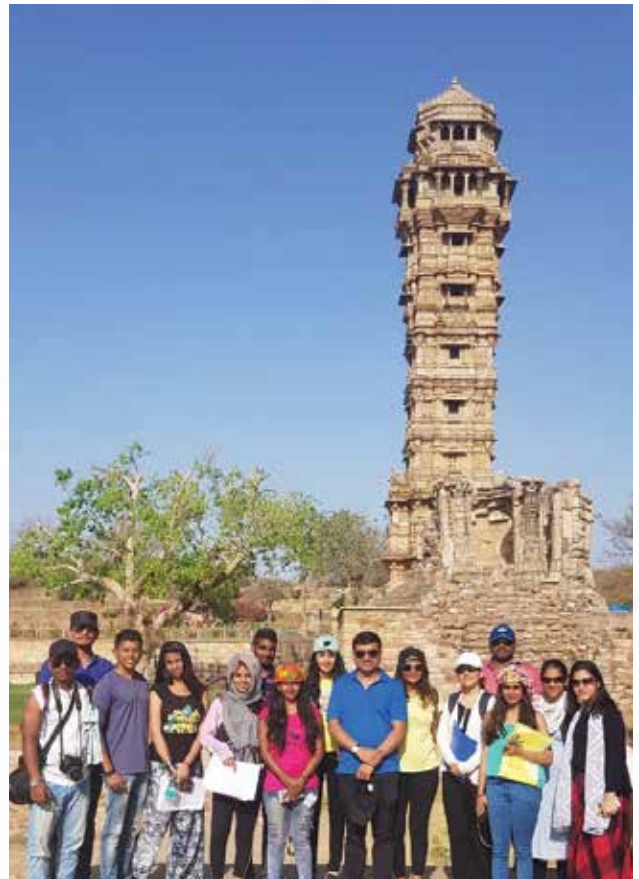
Bachelor of Art in Travel and Tourism

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 International 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

MA 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



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.

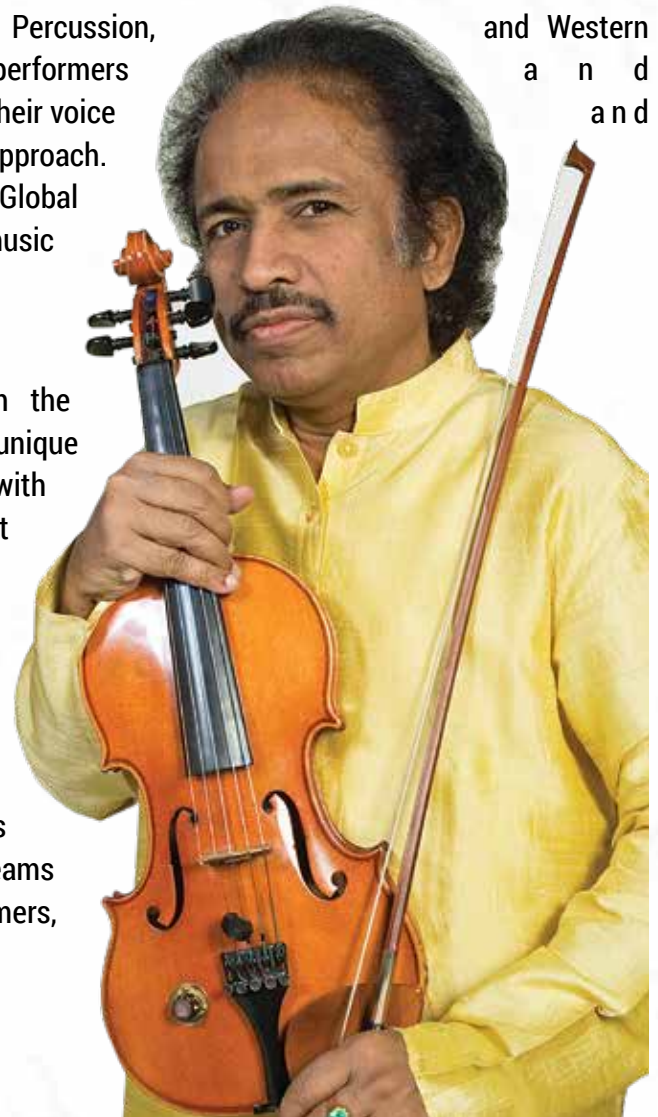
Students undergo thorough training in Hindustani, Carnatic, Percussion, music with essential Global music inputs delivered by professional performers and industry experts. Helping students further their journey to find their voice and performative taste and style is an integral part of the School's approach.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

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:



and Western
a n d
a n d

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.





**FACULTY
OF
LAW &
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.



**FACULTY
OF
MEDIA &
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.



**FACULTY
OF
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.



**FACULTY
OF
SCIENCE &
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.

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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.

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.

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.

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

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.

Master of Technology in Computer Engineering

The M.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.



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:

- o Future Mobility
- o 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.





**FACULTY
OF
INTERDISCIPLINARY
STUDIES**



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.





**NEW
PROGRAMMES**



New Programmes

Bachelor of Business Administration in Event Management

The BBA Event Management is an undergraduate degree programme by Vishwakarma University, Pune - Wizcraft MIME that provides students with 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. Event management is a creatively challenging and dynamic industry that requires professionals with diverse skillsets and proficiencies to engineer memorable events.

Students get to learn from the front-runners of the industry and are empowered with global-standard know-how, practical learnings, specialized skills and a leadership mindset to plan, design and execute events of any scale and type. Through classroom training and practical exposure, the students learn the modern tools and techniques and gain managerial abilities to enter into the new world of event management.

Master of Business administration in Event Management

Event management is a creatively challenging and dynamic industry that requires professionals with diverse skill sets and proficiencies to engineer memorable events. The Event Management Masters Studies Programmes by Vishwakarma University-Wizcraft MIME provide students with 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.

The students get to learn from the front-runners of the industry and are empowered with global-standard know-how, practical learnings, specialized skills and a leadership mindset to plan, design and execute events of any scale and type.

Bachelor of Visual Art in Digital Filmmaking

The Digital Filmmaking programme is crafted to give students in-depth knowledge and exposure in the film industry. The programme enhances the students' level of understanding about various processes of digital film making, creative & aesthetic abilities, visualization power and real-time experiences. Students are taught the basic criteria of bringing life to stories. Learn the real craft of filmmaking here and live the life of a filmmaker. The students learn two key aspects of filmmaking – storytelling & production. The filmmaking course combines the expertise of a highly committed team of professionally skilled and experienced faculty and guest lectures along with an advanced curriculum that includes theory, processes, practical training and technology that provide an understanding of filmmaking, animation and VFX in an aesthetic way.

The programme also covers the fundamentals of VFX, spanning from conception to application and final production. The film specialization path focuses on production through visual and sound artistry utilizing hands-on experience with the camera, editing, and sound equipment. The filmmaking path also leads to sub-specialization in direction, sound, cinematography and editing along with major film productions. The specializations ultimately develop students' production skills and promote filmmaking as creative media.

Master of Visual Art in Digital Filmmaking

The Masters in Digital Film Making is designed to fine-tune and accelerate the skills learned during the undergraduate degree and further dive deep into the understanding of the art of storytelling, writing for films, the art of narratives, mastering direction, and specializing in few other specific subjects. But these are carefully curated concerning technology, history, artistic skills, theory, and industry practices. A master's degree in Digital Film making can serve to prepare you for any number of careers, most obviously in the film and television industry, graduates are generally well prepared for a wide range of professions, including creative filmmakers, film and television producers, collaborators for media production, managing the business of film and television companies, etc.



Students with a Master's degree in Digital Film making are trained to be very well organized along with the perfect blend of storytelling, visualization skills, direction, production management, crew management, statutory compliances, and technical skills. Therefore, many producers/directors find that students are not only creative but highly organized, hardworking, and analytical. For those looking for a Master's in Digital Film Making this course is an ideal one. In India, today the film industry is one of the fastest-growing industries and with the technology development, OTT platform, YouTube platforms the number of films produced are increasing year after year, therefore there is a constant requirement for skilled professionals. This course will help you enhance your creative and technical skills as an independent filmmaker and also can nominate your films in domestic and international student film festivals.

Bachelor of Visual Art in Visual Effects

Event management is a creatively challenging and dynamic industry that requires professionals with diverse skill BVA in visual effects programmes prepares students for an exciting career in the rapidly growing digital visual effects industry. The students learn to create dynamic and realistic visual effects for use in film, television, games, and architectural visualization. They produce a concept sketch and storyboard, shape a model, stage a scene and represent movements in three dimensions. The focus is on professional skill development through a practical, hands-on approach in labs that are outfitted with the latest tools and industry-standard software with training focused on major trends in visual, digital and special effects arts. The students learn the relevant skills, right from basics of art, visualization design, scaling & proportion, colour theory, set extension, VFX film making, to teaching chroma keying techniques for a shoot and CGI graphics. They are also exposed to the world of 3D computer graphics. The University is equipped with in-house facilities specific to this field such as a floor green room and an edit suite for students to experience real production techniques of the industry. Students are taught seamless integration of CGI elements with real characters and the complete process for creating photo-realistic lighting along with compositing techniques.

Bachelor of Design in Game art and Design

Game Design and development focuses on the design and art of animation and games. The specialized programme involves the fundamentals of game development that includes strategy, creativity and implementation. The students learn to challenge their mind and hone their skills to create clever, compelling games. They come up with stories and concepts, play and analyze games to understand what makes them successful. This is followed by game development from concept to publishing, sketching plotlines, gameplay and character arcs – and stitching them together to create whole new worlds. The degree provides a well-rounded understanding of game design and development. In addition to learning game design and development using animation and the latest programming software, students develop storytelling and illustration skills. Students get an in-depth insight into the gaming world from our industry-experienced faculty. They develop game art techniques such as modelling, texturing and game engine integration using the latest software and technology.

Bachelor of Design in Animation Art & Design

The specialized programme is designed to inspire students to observe the world around them and draw directly from life to gain inspiration for characters and stories. The students are encouraged to discover how to think creatively and develop ideas through multiple stages, focusing on character development, narratives and performance. Bachelor of Design in Animation Art & Design is an undergraduate course of design involving components such as drawing, 3D, visual art, sculpture, storytelling etc. It is a four-year programme that aims at enhancing the image-making, critical thinking and storytelling skills of the aspirant.

The B.Des. in Animation Art & Design programme is designed to train the students in traditional and sophisticated techniques of animation filmmaking. With the evolution of technologies, the animation industry is seeing a surge in the requirements of skilled professionals. This course prepares students with apt skills and knowledge concerning animation filmmaking. Through the medium of advanced animation skills, students are trained to develop, defend, pitch ideas and create creatively organic content for various media like film, TV, advertising, etc. The long-term animation art and design course equips students with the right skill set and knowledge and blends this with the right amount of exposure to help them become successful animators in the thriving multimedia and animation industry.

Masters in Animation Art and Design

The Masters in Animation Art and Design at Vishwakarma University, Pune is thoughtfully designed by industry veterans. This programme uses the skills sets learned during the undergraduate degree and further enhances the understanding of traditional animation, mixed media animation, experimental animation, different forms of animation, and animation usage in different mediums. These are critically contextualized concerning technology, history, artistic skills, theory, and industry practices. Students with a Masters' degree in animation are trained to be organized along with the perfect blend of artistic skills, management skills, and technical skills. Therefore, many employers find that students are not only creative but highly analytical. These traits can help make graduates more hireable in the future not only in the animation industry, few other industries using multimedia and animation as part of their process.



**MINOR TRACK
COURSES**



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 North-western, 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 |

Guest lectures

At Vishwakarma University, we believe that regardless of any course that you have selected, Guest lectures have multitudinous benefits. Students can learn more effectively and form a different perspective on things. Industry professionals and subject matter expert's present varied perspectives. Guest speakers make students aware of current business scenarios and situations. In a classroom students' study about the concepts, however, guest speakers provide a broader view on the real-life problems faced by them in a particular niche and also present solutions. Keynote speakers not only educate students about their journey towards success but also motivates them to achieve greatness. When students interact with successful entrepreneurs, alumni they learn the secrets of their struggles and by taking notes of their journey it also prepares them for the struggle that they may face in the path to success. Students follow regularly scheduled classes and sometimes it can feel a bit monotonous and boring. Guest lecture breaks monotony and updates students' interest about career opportunities & career paths in new domains. Knowing about a better protective on future career sparks confidence and it inspires students to prepare not only theoretical concepts but also practical which may not be included in the syllabus. Hearing about changes being made in the working world with theoretical concepts is exciting and insightful for students. Students get to interact with a new teacher and also experience alternative ways of learning and teaching. With this in mind, our departments have been organising and conducting a number of guest lectures. These lectures are delivered by well-known experts with advanced knowledge in a respective field. Following is the list of guest lectures conducted at Vishwakarma University.



Speakers from Industry

| Title of the Guest lecture | Name of the Speaker | Designation | Name of Organization |
|--|--|-------------------------------|--|
| Integrating HR Strategy with Business | Shri. Jitendra Paturkar, Sr. HR Professional Pune | HR | Independent Practitioner |
| Basics of Innovation and Sectoral Innovation | Mr. Adarsh Bhargava, General Manager | IT Expert | WIPRO USA |
| Solo to Public - Journey of an entrepreneur | Mr. Vijaykumar Kshirsagar, Chairman & Executive Director | Manufacturing Industry Expert | RM Drip & Sprinkels Ltd. USA |
| Agile project management | Sangram Khare, Sr. Manager | Manufacturing Industry Expert | AI Futaim Dubai |
| Gold Market | Mr. Vastupao Ranka | Jewelry Industry Expert | Ranka Jewelers |
| Gamification | Rajib Chowdhury | IT Expert | Gamification Company |
| Changing Market dynamics in IT industry | Deepak Jugoolar Associate Director | IT Expert | Cognizant Pune |
| Lean Startup - Canvas | Mr. Nikhil Jain | Education Services | ForeignAdmits |
| How financial markets work - Bond, Commodities & Derivatives | Shri. Sudhakar Kulkarni | Consultant | Consultant to Economic Offence Wing of Pune Police |
| Mental Health of LGBTQ Community | Dr Arbaaz Mushtaq | Industry Expert | Founder,PsyHelp Clinic |
| Remedial Education | Ms. Ishita Thite | Representative | Founder,Grow to fly |
| Sports Psychology | Mr. Manesh Nanbiar | Industry Expert | Triathlete, Ironman of Malaysia |
| Introduction to Psychopathology | Ms. Purva Kadaganchi | Founder | Tending Minds |

| Title of the Guest lecture | Name of the Speaker | Designation | Name of Organization |
|--|---------------------|---|---|
| Guest lecture on Sexual disorders | Dr. Rajiv Nagarkar | Freelancer Psychologist | |
| Turning Internet of things into reality | Mr. Sharat Kanthi | Cloud Solution Architect | AZURE –IOT Microsoft |
| Six sigma green belt awareness | Dr. Sanjeeva Rao | CEO SQC Consultants & Former National President | NIQR |
| Emerging trends in Statistics with special reference to applications in public and private sector | Ms.Preeti Pandhu | Founder and Director | Data Science Lab Consulting Pvt.Ltd |
| IBM SME Lectures | IBM Resource Person | - | IBM |
| CampusFrance- Higher Education And Scholarship Opportunities in France | Campus France | - | CampusFrance |
| Communication Ethics & Personality Development (Prof. Swapnil Ingale) | Mr. Swapnil Ingale | Animation expert | Tecnocolor India |
| Acting for 3D Animation | Mr. Vivek Borikar | Creative Director | Rio Animation pune |
| Skilling, Upskilling & Reskilling for Pharma Industry | Mr. Sachin Kumbhoje | Co-founder & CEO, CEO | Op Ex Acclerator Pvt.Ltd., Plan B Digital Startup Media |
| Pivotal opportunity for Pharmacy to spherehead the tectonic shift in Global health epicenter from escalating disorder to wellness and well | Dr. Praful Naik | Founder Director and CEO | Prashak Techno Enterprises Pvt.Ltd |



| Title of the Guest lecture | Name of the Speaker | Designation | Name of Organization |
|---|--------------------------------|------------------------------|--|
| Enhancing Skin permeation of the small and macro molecule using passive & active enhancement techniques | Dr. Yogeshwar Bachhav | Director | Adex Pharmaceutical Consultancy Services, Mumbai |
| Guest Lecture Insurance sector in India | Mr. Amol Savvkhande | Insurance Expert | HDFC Life |
| Guest lecture Discussion on Investments and Inflation in India | Mr. Ganesh Mudliar | Vice President (Sales) | HSBC |
| Indian Labour Market | Mr. Makrand Kulkarni | Business Development Manager | Vision India |
| Post Covid Economy- Challenges and Opportunities | Mr. Praveen Kumar Verma | Marketing-Team | Fleetgaurd Filters |
| Robotics Session | Mr. Khare | Industry Expert | - |
| Introduction to Japanese | Sujata Kolkar and Santosh Sali | Representative | Pugmark |





Speakers from Academics and Research

| Title of the Guest lecture | Name of the Speaker | Designation | Name of Organization |
|---|----------------------------|---|--|
| Environmental Law and Tourism | Chandrashekhar M. Wankhede | Contributory Assistant Professor, Sub-Editor, Executive Editor | Department of Mass Communication Shivaji University, Kolhapur, Sanjay Ghodawat University, Kolhapur, Lokmat Times, Nurturing Age |
| Career opportunities in Responsible Tourism...An Entrepreneur perspective | Dr. A. Lajwanti Naidu | Assistant Director Capacity Building | Andhra Pradesh Tourism Authority |
| Ajanta caves- Art, appreciation and Management | Dr. Madhuri Sawant | Director and Assistant Professor | International Centre for Buddhist Tourism, Department of Tourism Administration Dr. Babasaheb Ambedkar |
| World Heritage in Danger | Dr. Rajesh Ragde | Director Department of Tourism Administration Dr. Babasaheb Ambedkar Marathwada University | Department of Tourism Administration, Dr. Babasaheb Ambedkar Marathwada University |
| Trends in Neuro Cognitive Science | Dr. Amrendra Singh | University of Allahabad, Ashoka University | Post-Doc DST-CSRI, University of Allahabad |
| Confidence - The Key to Convert a Crisis Into An Opportunity | Ms. Batul Balasinorwalla | Co-founder | B. R Finishing School at Karve Nagar, Pune |
| What is interesting? Physics!! | Dr. Siddlingeshwar B. | Academician | M. S. Ramaiah Institute of Technology, Vidya Soudha, BANGALORE |
| Engineering Physics for Technology and Society | Dr. Khadke Udaykumar | Academician | VSK University, Ballari |
| Chemistry for Engineers | Dr. C. Saravana | Academician | Presidency University, Bengaluru |

| Title of the Guest lecture | Name of the Speaker | Designation | Name of Organization |
|---|-------------------------------------|---|--|
| The Role of Mathematics in Engineering | Dr. N. Sandeep | Academician | Central University, Kadaganchi , Kalaburgi |
| Emerging trends in Statistics with special reference to applications in public and private sector | Prof. (Dr.) Murali Dhar | Professor | International Institute for Population Sciences (An Autonomous organization & Ministry of Health & Family welfare Government of India) |
| Surface and Interfacial phenomenon: Basic concepts and applications | Dr. Vandana Patravale | Professor, Department of Pharmaceutical Sciences & Technology | Institute of Chemical Technology |
| Adventures in Drug Discovery | Dr. Prashant R. Murumkar | Asst. Professor, Department of Pharmacy | The Maharaja Sayajirao University of Baroda,Gujarat. |
| Planning the career in Pharmacy | Dr. Anand Mahajan | Associate Professor | Goa College of Pharmacy |
| Creative Movement Therapy | Ms. Mugdha Shivapurkar | Expert | Industry |
| Introduction to De-addiction | Mr. Indrajit Deshmukh | Academician | Practical Life skills |
| Bracing to get into corporate world | Mr. Sachin Kulkarni | Expert | Industry |
| Guest Lecture Financial Sector in India | Dr. Sonali Parchure | Academician | - |
| Introduction to Computer Engineering Department (FY Induction) | Dr. S S Pawale, Prof. N.Z. Tarapore | Professor | VU Faculty |
| Power of Compounding (FY Induction) | Prof. N.Z. Tarapore | Professor | VU Faculty |
| International Exposure Opportunities (FY Induction) | Dr. Kailas Patil | Professor | VU Faculty |



**RESEARCH,
INNOVATION &
ENTREPRENEURSHIP**

VU Research Policy

Vishwakarma University is committed to foster the research culture by inculcating research aptitude among all the stakeholders including but not limited to faculty members, researchers, students, other employees of VU. To achieve this goal VU is committed to provide support in the form of various initiatives including but not limited to:



VU Research Support

Vishwakarma University has the Vision of Maximizing Human Potential to achieve this, the University is laying the foundation for high quality research. To this effect VU has taken the initiative to financially assist and support faculty members, researchers, students, and other employees for undertaking research projects (in-house) or submitting research proposals to Government or Non-Government organizations. To encourage young faculty, staff and other employees to undertake the research VU provides Research Grant.

RESEARCH, INNOVATION & ENTREPRENEURSHIP

Patents at Vishwakarma University

| Faculty | Patent Number | Name of the Patenter |
|---|---------------|--|
| Dr. Kailas Patil | 201921046386 | System and Process for Intelligent Waste Management in Vehicle |
| Dr. Kailas Patil | 201921046385 | System and Process for digital and automated hospitality |
| Dr. Kailas Patil | 201921046384 | System and Process for Digital and Automated Mobility |
| Dr. Bharati Ainapure | 2020101968 | Low level instrumentation layer for component level diagnosis of failure in industry IOT systems. |
| Dr. Bharati Ainapure | 2020103055 | Adaptive data rate configuration for ultra-dense industrial IOT networks using deep learning algorithms. |
| Ranjan C. Khunt, Vijay M. Khedkar, Kaushikkumar S. Lunagariya, Jyoti N. Gohel, Kaushik D. Pambhar | 201821043831 | Chromane compounds as anti-cancer agents |

AAI - Artificial
Analytical
Intelligence
(GRIFFIN)



Patent Filing No:
201921046387

Digital and
Automated
Mobility



Patent Filing No:
201921046384

Digital and
Automated
Hospitality



Patent Filing No:
201921046385

Smart Cooling
Shoes



Patent Filing No:
201921046388

Intelligent Waste
Management in
Vehicle



Patent Filing No:
201921046386

SAP i360 Student Innovations

SELECTED IN ZEE BUSINESS AWARD FUNCTION
STUDENT PRESENTATIONS, FIRST OF ITS KIND IN SUCH A FORUM

VU- PUBLICATIONS-RESEARCH PAPER

| Title of the Paper | Faculty Member | Name of the Journal |
|--|------------------------------------|--|
| A Comparative Study of Sports Mental Toughness Between Sports Players Performing and Not Performing Additional Fitness Activity from Goa | Morajkar A. & Nawale R. | International Journal of Fitness Health, Physical education & Iron games |
| Exploring dental anxiety among male and female across adolescents, young adults, and middle adults | Bano, S., Ahmad, S. A., & Vyas, K. | Journal of Dental Research and Review |
| CSK-ED: CRYPTOGRAPHY SECRET KEY GENERATION FOR EAVESDROPPING DETECTION USING CRYPTO MECHANISM | Ramkumar Krishnamoorthy | Design Engineering |
| Prognosis of COVID-19 Patients with Machine Learning Techniques | Reshma Pise | Annals of the Romanian Society for Cell Biology |
| Zigbee and Long-Range Architecture Based Monitoring System for Oil Pipeline Monitoring with the Internet of Things | Mamoon Rashid | Sustainability |
| Analysis and Characterization of COVID-19 using CT Chest Images and Deep Neural Networks | Mamoon Rashid | Computers, Materials & Continua |
| Blockchain Enabled Automatic Reward System in Solid Waste Management | Mamoon Rashid | Security and Communication Networks |
| Clustering Isolated Nodes to Enhance Networks Life Time of WSNs for IoT Applications | Mamoon Rashid | IEEE Systems Journal |
| Water Quality Monitoring and Management of Building Water Tank Using Industrial Internet of Things | Mamoon Rashid | Sustainability |
| Deep Learning Approach for Discovery of in Silico Drugs for Combating COVID-19 | Mamoon Rashid | Journal of Healthcare Engineering |
| Automatic PV Grid Fault Detection System with IoT and LabVIEW as Data Logger | Mamoon Rashid | Computers, Materials & Continua |
| CP-BDHCA: Blockchain-based Confidentiality-Privacy preserving Big Data scheme for healthcare clouds and applications | Mamoon Rashid | IEEE Journal of Biomedical and Health Informatics |
| Distance Based Pattern Driven Mining for Outlier Detection in High Dimensional Big Dataset | Mamoon Rashid | Transactions on Management Information Systems |

| Title of the Paper | Faculty Member | Name of the Journal |
|--|------------------|--|
| IoT and LoRa based Smart Lamp Post for Illuminating Smart Cities | Mamoon Rashid | Sustainability |
| IoT based Facial Emotion Recognition System using Deep Convolution Neural Networks | Mamoon Rashid | Electronics |
| Image-Based Information Hiding & Forensics by Convolutional Neural Network | Mamoon Rashid | IET Image Processing |
| LoRa-LBO: An Experimental Analysis of LoRa Link Budget Optimization in Custom Build IoT Test Bed for Agriculture 4.0 | Mamoon Rashid | Agronomy |
| Performance Analysis of IoT and Long-Range Radio Based Sensor Node & Gateway Architecture for Solid Waste Management | Mamoon Rashid | Sensors |
| Secure Data Transmission in IoTs based on CLoG Edge Detection | Mamoon Rashid | Future Generation Computer Systems |
| Blockchain based Automated System for Identification and Storage of Network | Mamoon Rashid | Security and Communication Networks |
| Novel Technique to Detect Network Error or Modification of Votes during Transmission in Online Voting System | Mamoon Rashid | Journal of Discrete Mathematical Sciences and Cryptography |
| A Novel Solution for Finding Postpartum Haemorrhage using Fuzzy Neural Techniques | Mamoon Rashid | Neural Computing and Applications |
| MNet: A Framework to Reduce Fruit Image Misclassification | Dr. Kailas Patil | Ingénierie des Systèmes D Information, Vol. 26, No. 2, pp. 159-170, DOI: 10.18280/isi.260203 |
| NO2 Pollutant Concentration Forecasting for Air Quality Monitoring by using an Optimized Deep Learning Bidirectional GRU Model | Dr. Kailas Patil | Inderscience Int. J. of Computational Science & Engineering (IJCSE), Vol. 24, No. 1, DOI: 10.1504/IJCSE.2021.10036021] |
| Prognosis of COVID-19 Patients with Machine Learning Techniques | Bharati Ainapure | Annals of the Romanian Society for Cell Biology |
| Private Cloud Configuration Using Amazon Web Services | Bharati Ainapure | Lecture Notes in Networks & Systems book series (LNNS, volume 190) |
| Image Restoration using Recent Techniques: A Survey | Bharati Ainapure | Design Engineering |

| Title of the Paper | Faculty Member | Name of the Journal |
|--|---------------------------------------|---|
| A Review on Conventional Electronic Surveillance Systems for Security Provisioning | Bharati Ainapure | Journal of Green Engineering |
| Analysis of Dataset in Private Cloud for Cloud Forensics Using Eucalyptus and Hadoop | Bharati Ainapure | IEEE |
| Integrating Lean Six Sigma and Design Thinking for Superior Results | Dr. Kailas Patil | Proceedings of the 2020 Institute of Industrial and Systems Engineering (IISE) Conference on Engineering Lean and Six Sigma (ELSS), USA |
| Online Learning for Practical Subjects (In special reference to COVID-19 duration) | Dr. Mukta Shirke | Covid-19 Crisis and India |
| Impact of Covid-19 on the Indian Higher Education | Dr. Shraddha Kaje | Covid-19 Crisis and India |
| Impact of Traditions on Indian Contemporary Art | Charwad Rakhi Girish | Design Engineering |
| "Role of Inspiration in Warli art". | Prof. Nisha Khandekar | Journal of Huazhong University of Science and Technology |
| "study of customer relationship management in the field of Interior designing in India". | Prof. Shraddha Jadhav | (Volume 11, issue 41, January to March 2021) |
| "study of smart fabrics in Interior design and upholstery". | Prof. S hraddha Jadhav | Volume 8, issue 29, January to March 2021 |
| Emerging Peril of Mob Lynching in India | Siddhi Singh | Journal for Advanced Law and Jurisprudence Volume 1 Issue 1 |
| Cloud Computing Legislation in India: Necessity of New Laws | Siddhi Singh | Fast Forward Justice Journal, Volume III Issue III |
| Modulation of psoriatic-like skin inflammation by traditional Indian medicine Divya-Kayakalp-Vati and Oil through attenuation of pro-inflammatory cytokines. | Dr. Sachin Sakat | Journal of Traditional and Complementary Medicine |
| Selective Optimization of Side Activities as an Efficient Approach for Generation of New Leads from Old Drugs | Dr. Preeti Mehta | Journal of Pharmaceutical Research International |
| Covid-19: An Account On Novel Coronavirus Disease | Dr. Preeti Mehta | Annals of R.S.C.B |
| Sphaeranthus indicus Linn. A pharmacological review | Bindurani L G P Ram, Devendra Shirode | Asian pacific journal of health sciences |
| Nanodiamonds (communicated) | Palavi Dhekale et al | current drug targets |

VU-Publications-Books

| Name of the teacher | Title of the book/chapters published | Title of the proceedings of the conference | Title of the proceedings of the conference |
|---|---|---|--|
| Pashmina Shah | Legal Aspects of Financial and Security Laws | - | Nirali Prakashan, Pune |
| Ms. Rupali Nawale | Life Satisfaction of Physically Active and Non- Active People from Goa | LEAP- Lead to Excellence in Athletic Performance | - |
| Ms. Rupali Nawale | Behavior and Attitude towards Dietary Supplements of Gym members | The epidemic challenges and future perspective of the physical fitness, Yoga practices and competitive sports | - |
| Ramkumar Krishnamoorthy | Cyber Intelligence and Information Retrieval | Cyber Intelligence and Information Retrieval Proceedings of CIIR 2021 | Springer, Nature |
| Dr. Preeti Mehta | (Sosa) As an Efficient Approach for Generation of new Leads from old Drugs: A Systematic Review | Multidisciplinary Research & Innovation | Bharti Publications, New Delhi |
| Dr. Poonam Inamdar & Ms. Sonali Manwatkar | Flipped – Blended Learning Methodology: A Contemporary ICT Tool in Education | - | Bharti Publications, New Delhi |



Innovation and Start-up Policy

Vishwakarma University has since its inception strived towards co-creating human, intellectual and socio-economic capital par excellence, for the nation and the globe. Creating an ecosystem to promote a community of scholars, thinkers and leaders is amongst its foremost Missions. The Incubation and Innovation Cell (IIC) reaffirms these core values and commitments of VU. IIC is the designated unit of Vishwakarma University (hereinafter referred to as VU) for fostering ideation, innovation, entrepreneurship and nurturing start-ups, under its VU-IQube initiative. Set up in 2019, the IIC Cell focuses to contribute in the development of impactful economic growth, strategic value and social relevance. Through these initiatives, the Vishwakarma University aims to create a facilitative and nurturing ecosystem for encouraging and nurturing the value chain of Ideas, Incubation and Innovation at VU to contribute with impactful, techno-commercially viable, relevant and contextual business venture for country and society. This policy and procedure lays the framework to administer a business incubator which provides 'Start to scale' support for entrepreneurship and facilitates the conversion of research activity into entrepreneurial ventures for VU students, faculty and staff.

The Policy deals with the various aspects of the Innovation and Entrepreneurship Ecosystem through the following sections:

I. Nurturing Innovations and Startups

II. Principles governing the Product Ownership Rights for Technologies Developed at Institute

III Norms for Faculty Startups

IV. Pedagogy and Learning Interventions for Entrepreneurship Development

V. Eligibility and Application Process

VI. Facilities and Support



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.

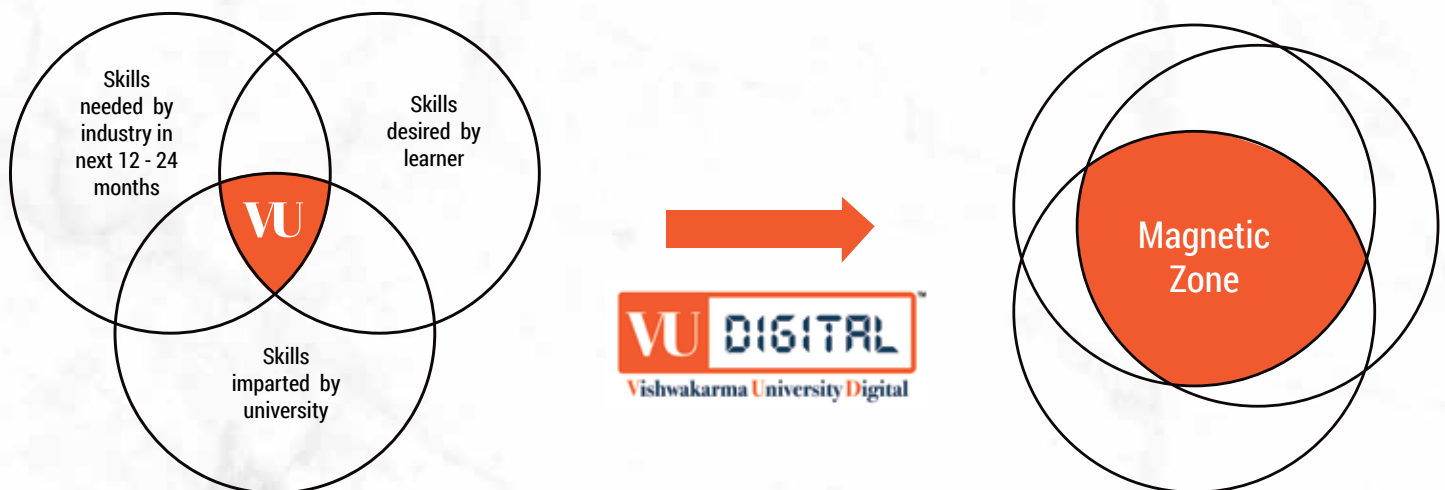
VCE is a facilitation centre to foster bilateral and multilateral collaborative activities between India, the UK and other Commonwealth countries in the fields of academic and vocational programmes, research and innovation, and organisational capacity building for industry and the private sector.



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

- HCourses 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

Recommendation of discipline/ industry specific role focused courses.



Research Reports

Access to large volume of articles and reports on job markets and e-learning trends.



Encouragement Points

For utilizing extra services of platform like master classes/ webinars etc.



Industry Talks

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

Introduction to Design Thinking

Instructor

Prof. Dr. Michael Testani,
Binghamton University, New York

Global Mindset

Instructor

Dr. Geoffrey Clements,
Commonwealth Infrastructure Partners, UK

Understanding the Innovation & IPR Landscape

Instructor

Prof. Dr. Prabuddha Ganguli,
Patent agent and IPR Consultant of
International Repute

Emerging Technology, Humanities and the Augmented Age

Instructor

Dr. G. Louis Hornyak,
Ex. Professor, AIT, Thailand

Our Team

(Dr.) Yogesh Deshpande

Director, VU Digital, Professor,
Department of Computer Engineering.

Prof. Dr. (Mrs.) Shraddha Khamparia

Core Member, VU Digital, Head, Department of Water,
Sanitation and 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.

VISHWAKARMA VU DIGITAL | **BINGHAMTON UNIVERSITY**

A Unique Trans-Disciplinary Certificate Program

"INTRODUCTION TO DESIGN THINKING"

KNOW YOUR INSTRUCTOR



Prof. Michael V. Testani
Binghamton University
Director - Industrial Outreach

Dr. Kulan Pillai / Prof. Prashant Acharya
Prof. Aparna Thapar / Prof. Debra Kauer

Program Details
Students will learn to collaborate and solve problems as a team using the Design Thinking process and practices. Students will learn to collaborate and solve problems as a team using the Design Thinking process and practices. They will adopt the design thinking method while solving complex problems for key stakeholders. Students will demonstrate critical collaboration, a bias towards action, a focus on human values, embracing experimentation, reframing problems, brainstorming creative solutions, identifying novel needs, and adhering to the design thinking process.

Industry Applications

- Product Design
- User experience (UX) Design
- Product Manager
- Graphic Design
- Interior Design
- Architect
- Web Design
- Fashion Design & many more...

VISHWAKARMA VU DIGITAL | **CIF Commonwealth Infrastructure Partners**

The Secret to Becoming a Successful Professional & Entrepreneur

"GLOBAL MINDSET" (Transdisciplinary 2 Credit Course)

KNOW YOUR INSTRUCTOR



Dr. Geoffrey Clements
Chairman (Commonwealth Infrastructure Partners, UK)
PhD (Applied Physics and Materials Science, University of Sussex, UK)
20+ years of industry experience
25+ years of teaching experience

Prof. Dr. Rahul Waghmare / Prof. Dr. Dinesh Gadhkar

Brief Overview of Program
Students will gain a practical vision of the global mindset that is vital in propelling a successful career in today's international professional community. You will learn about the current global economic and geopolitical situation, including the impact of the global pandemic and recent changes in political and economic systems, regions and globally. The changing balance in global trade has created new opportunities for Indian entrepreneurs and companies, and globalization has led to a growing role and influence for India in global trade. This has created a need for best practices in every sector, and the course will explore how young professionals can develop a leadership role in their chosen careers.

Expected Professional Outcomes

- Develop a career plan strategies in technical reports in companies that have an international outlook.
- Have an edge over competitors who have not been given an exposure to these international dimensions.
- Factor a global mindset.

Eligibility: All Disciplines

VISHWAKARMA VU DIGITAL

The Future is HERE & NOW!

Are you prepared?

EMERGING TECHNOLOGY, HUMANITIES & THE AUGMENTED AGE (A 3 Credit Trans-disciplinary Course)

KNOW YOUR INSTRUCTOR



Dr. G. Louis Hornyak
CEO & President (Earth Products Consulting)
Ex. Professor (MIT Thailand)

Prof. Dr. Shraddha Khamparia

A unique interactive program where you can learn about emerging technologies like nanotechnology, biotechnology, information technology, cognitive sciences (and robotics or AI/ML) and their relationship to the humanities, the arts and society in general. The first graded project requires individual art work as a culmination of the learnings from the first 5 weeks. The Top 50 art works will be displayed in the main hall at VU! The second project involves teamwork to develop a product related to emerging technologies.

Expected Outcomes:


- Preparation for convergence/ divergent thinking
- Insistence of your creative drive
- Stimulation of personal discovery and introspection
- Introduction to global citizenship
- Preparation for the Augmented Age

VISHWAKARMA VU DIGITAL | **BANGALORE UNIVERSITY**

Introducing Trans-Disciplinary 2 Credit Certificate Courses

HYBRID AND ELECTRIC POWER TRAINS

INSTRUCTOR



Dr. Anshuman Tripathi
Programme Director Future Mobility Solutions
(Sustainability) Energy Research Institute @ IIT (EPRI)

Prof. MAMI Shinde

Learn penetrable architecture of hybrid and electric vehicles. Augment your profile for opportunities in the automotive industry, automotive electronics, engineering services, PSAs and research organizations like ARAI.

Eligibility: Science & technology students

KNOW YOUR INSTRUCTOR
Dr. Anshuman has research interests in grid connection of large and remote wind and solar farms, grid codes and compliance, power hardware for the best simulations for power network design, electrical driver train design and hybrid Energy storage for stationary and mobile applications. He has 20 patents in the area of power systems, control, electrical machines and 23 IITR publications.

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 and Drug Delivery Technologies with an aim to take challenges that will be beneficial for the stakeholders and 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**
- **Strengthening efforts to enhance employability of students**

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 Saket

Director

Prof. Poonam Inamdar

Member

Prof. Mrunalini Kulkarni

Member

Prof. Vidya Desai

Member

Prof. Sonali Manwatkar

Coordinator

Prof. Swati Mutha

Member

Prof. Dipti Joshi

Member

Prof. Chetan Kapadnis

Member

Prof. Makarand Puri

Member

Prof. Srinivas Chippalkatti

Member



Wilo-VU Water Quality centre of Excellence

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.



VISHWAKARMA
UNIVERSITY
Maximising Human Potential



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.



Services offered

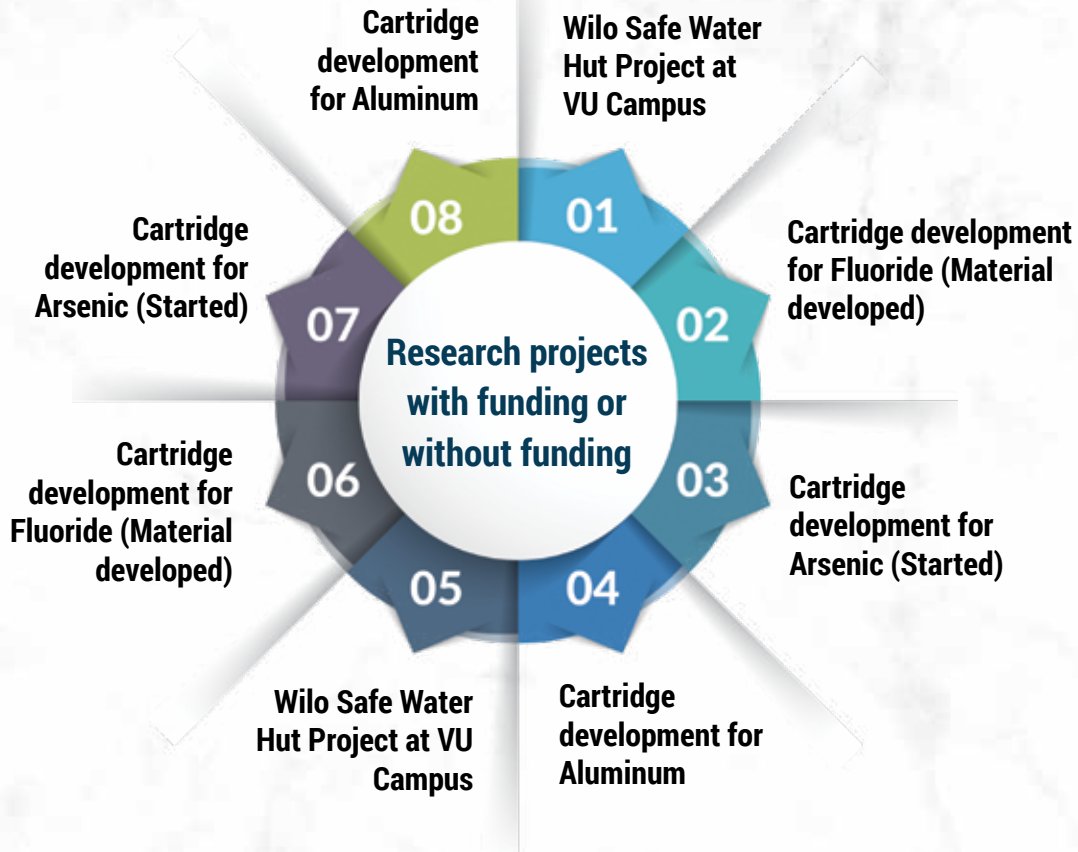
- **Water Quality for Potable water, Groundwater and Irrigation water**
- **Water Quality for Construction water and Cooling tower**
- **Water Chemical and Elemental Analysis of Water samples**
- **Water Quality for Effluent from various industries**
- **Method Development for wastewater the treatment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



The Centre 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.

- **Hot Air Oven**
- **Turbidity Meter**
- **Atomic Absorption Spectrophotometer**
- **E-coli Test Kit**
- **Centrifuge**
- **Colony Counter**
- **Water Bath**
- **Micro Balance**
- **Kejaldhals Apparatus**
- **Analytical Balance**
- **Magnetic stirrer with Hot Plate**
- **HPLC**
- **Filtration Unit**
- **Heating Mantle**
- **pH Meter**
- **Muffle Furnace**
- **Biological Incubator**
- **UV-Vis Spectrophotometer**
- **Flame Photometer**
- **Multi Ion Meter**
- **Multi-Electrode Meter**

Projects



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.

Recent Events

Visit to IFAT 2018, Goregaon Mumbai.

Saviskara students under the guidance of Wilo – VU Water Quality Centre of Excellence organized Kite Display.

Our Team

**Prof. Dr. Dhananjay
Bhatkhande**
Director

Prof. Pranav Dhaneshwer
Member

Prof. Dr. Shradda Khamparia
Deputy Director

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.

To holistically address the sustainability at Vishwakarma University by using the following:



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 Pvt. 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
Director

Maya Kurulekar
Deputy Director

Pranav Dhaneshwar
Member

Abhay Chavan
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.



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 & 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 & 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

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.

| Topic | Speakers |
|---|------------------------|
| Industry 4.0 in Nutshell | Mr. Aditya Wagh |
| Overall equipment efficiency and 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.

4. 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.



5. 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 Perspective and Agility, Pune, Maharashtra, India, August 2020. The paper bagged first prize and got published in the UGC care journal.

Our Team

Prof. (Dr.) Yogesh Deshpande
Director

Mrs. Mrunmai Ranade
Deputy Director

Mr. Nikhil Shinde
Member

Centre of Excellence for Media Event Entertainment and 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 and 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.



VISION

Balance the structured knowledge transfer to students in an externally controlled environment (classroom/laboratory sessions with a fixed mandate, pre-set timeline, under the pressure of evaluation/judgement by others) with a space/platform equipped with some of the most emergent tools and technologies, that is confined by:

- No curriculum: The curriculum is what an individual's imagination allows
- No evaluation pressures: An individual is one's own judge
- No regulations: Just responsible behavior

MISSION

To facilitate transition of theory into practice without the boundaries of application and innovation.

Execution models:

1. Doing research and development
2. Executing project models in a software's in collaboration with trans-disiplinary departments and industry partners
3. Building on campus as a application and hands-on practical execution experience.
4. Publications and patenting.

Goals

The center aims to research and innovate in design to achive the Sustainable development goals (SDG's) basing the grounds of

- **Environmentally sustainable**
- **Economically viable practices**
- **Socially adaptable strategies.**

Targeted SDG's



Center information

The center works passionately in different areas of research, design and innovation. With the help of academic and industry partners the center shares the common goals of achieving the SDG's as at university level. Different initiatives are taken at the university level, the department level as well as the department level and students level to achieve this common goal.

Center collaborations:

1. MOU signed with ASSOCEM GEM in vision of helping to achieve the Green infrastructural goals and helping in promoting green footprint through out the country.
2. Collaboration for the Innovate4Cities conference curation to be co-hosted by UN-Habitat and Global Covenant of Mayors for Climate and Energy (GCoM).

Ongoing Projects:

1. Knowledge product on “ Mapping and designing strategies for different climatic regions of India”.
2. Shading device designing for classroom glass window in Pune, India.
3. Mapping of different regional architectural styles in India.



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.

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

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 & 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 Wadhvani Foundation.

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



d. Collaborations

1. Venture Center - Strategic Partner



2. DCF Ventures



Our Team

Prof. Kailas Patil

Director

Prof. Niranjan Kulkarni

Member

Prof. Ankita Sangle

Member

Prof. Shailesh Thaware

Member

Prof. Unmesh S. Patil

Dy. Director

Prof. Dr. Vijay Khedkar

Member

Prof. Jagdish Tawade

Member

Prof. Dr. Yogesh Suryawanshi

Member

e. Services offered:

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



Centre of Excellence-Design Thinking & Innovation

Vision for Design Thinking and Innovation

To collaboratively develop an eco-system for seeding and nurturing a spirit of curiosity, logical thinking, ideation, design thinking, creativity, innovation, collaboration and social awareness to facilitate the transformation of ideas of students and faculty to techno-commercially viable and relevant projects useful for society that enable the betterment of human kind.

Mission for Design Thinking and Innovation

We transform ideas into innovations using our VU/BU Design Thinking & Innovation process in order to make the world a better place

Goals

Build our brand and contribute to the betterment of society by applying and expanding the Design Thinking & Innovation body of knowledge

Philosophy of Centre of Excellence

Concept of centre of excellence (COE) is a team of skilled knowledge provider whose mission is to channelize the organization they work for with best practices around a particular area of interest related and in the development towards the benefit of society/industry through professional projects with a specific purpose.

Centre of excellence is also committed to fill the gaps through a rigorous research work with a defined process by collaborating with projects related to industry, NGOs/ and government organizations.



Objectives

To enable platform for collaboration, cooperation and operation for Binghamton University and Vishwakarma University (and Institutes) student and faculty

To create a design thinking and problem solving framework.

To develop multidisciplinary approach to system design.

To synergize expertise of center-of-excellences in VU for project building.

To develop cross-cultural design thinking ability.

To promote ability to innovate

Design Thinking & Innovation CoE - SWOT Analysis

What internal Strengths can we leverage?

- Multidisciplinary programs and faculty at VU experts in IPR
- Strong Industry connections and collaborations
- Strong Arts & Departments programs and faculty
- Prototyping labs on campus for new innovations
- Motivated team that is inspired by DT&I
- Developed a unique & effective Design Thinking & Innovation process (flexible, portable & scalable) - applicable across all domains
- Marketing & Branding capabilities (trademarks, promotional materials, etc.)

What internal Weakness can we overcome?

- Limited access to funding agencies
- Growing graduate programs and research project opportunities



What external Threats should we guard against?

- Other institutions trying to providing similar programs and offerings
- COVID-19 variants extending the pandemic and lockdown restrictions

What external Opportunities can we take advantage of?

- Crisis and societal changes (new normal) post-COVID “new normal”
- Growing need for safe & secure food supply chain
- Block chain technology ensures authenticity of products
- Growing interest in the Design Thinking approach to innovation and problem solving
- National innovation and Startup policy
- New Education Policy (NEP) - student can earn credit (transferable to any institution) e.g. 2+2 program with VU and BU

Strategy for OUR Center of Excellence

- **Build Capacity & Brand: Students, faculty & Community**
- **Apply Real-World Research Projects: Student Interns & Industry Projects**
- **Contribute to Body of Knowledge Contributions: IPR, Books, Blogs, Publications, & Articles**
- **Impact Society: Outreach Projects, Industry Internships & Training**
- **Obtain funding: Projects & Commercialization– Grants, Awards, Income & Royalties**

Process for Design Thinking

VU-BU Design Thinking Process – a non-linear framework

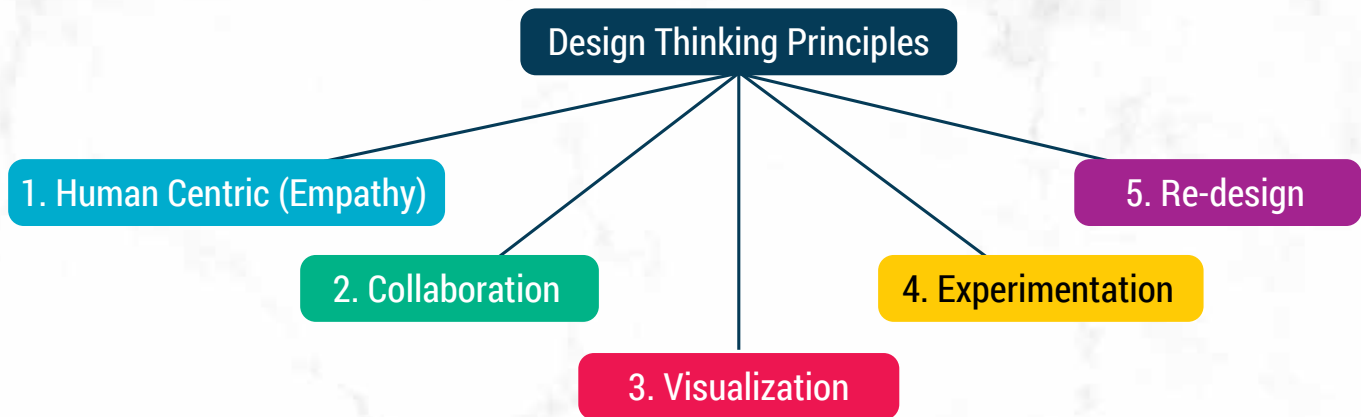
1. **DISCOVER** – Design initiation and inspiration
2. **EMPATHIZE** – Gaining a deep understanding of the end-user experience and their unmet needs
3. **DEFINE** – Synthesizing insights from the previous phases to establish a design team point-of-view (PoV) regarding the problem to be solved
4. **IDEATE** – Using divergent and convergent thinking to find the right solution or solutions prototype
5. **PROTOTYPE** – Rapidly building a low-fidelity solution (Build fast to learn fast)
6. **EVALUATE** – Test the solution with end-users and encourage feedback
7. **REFINE (ITERATE)** – Observe, Reflect, Build, Repeat and Release to the marketplace

Design Thinking and Innovation by Centre of Excellence
at Vishwakarma University, Pune ..



Principles for Design Thinking

The VU/BU Design Thinking Principles - There are five core principles.



1) Human Centric (Empathy) Rule: Design thinking activity is human/user centric, understanding the end users' need and desires, and then co-creating a solution that addresses their needs.

2) Collaboration Rule: Design thinking teams create psychological safety amongst team members so ideas are shared freely and openly resulting in breakthrough innovations. Teams are inclusive and open to others' ideas.

3) Visualization Rule: Visual thinking or visualization rule signifies to present varieties of ideas by drawing pictures, diagrams, models or animations to communicate the concept.

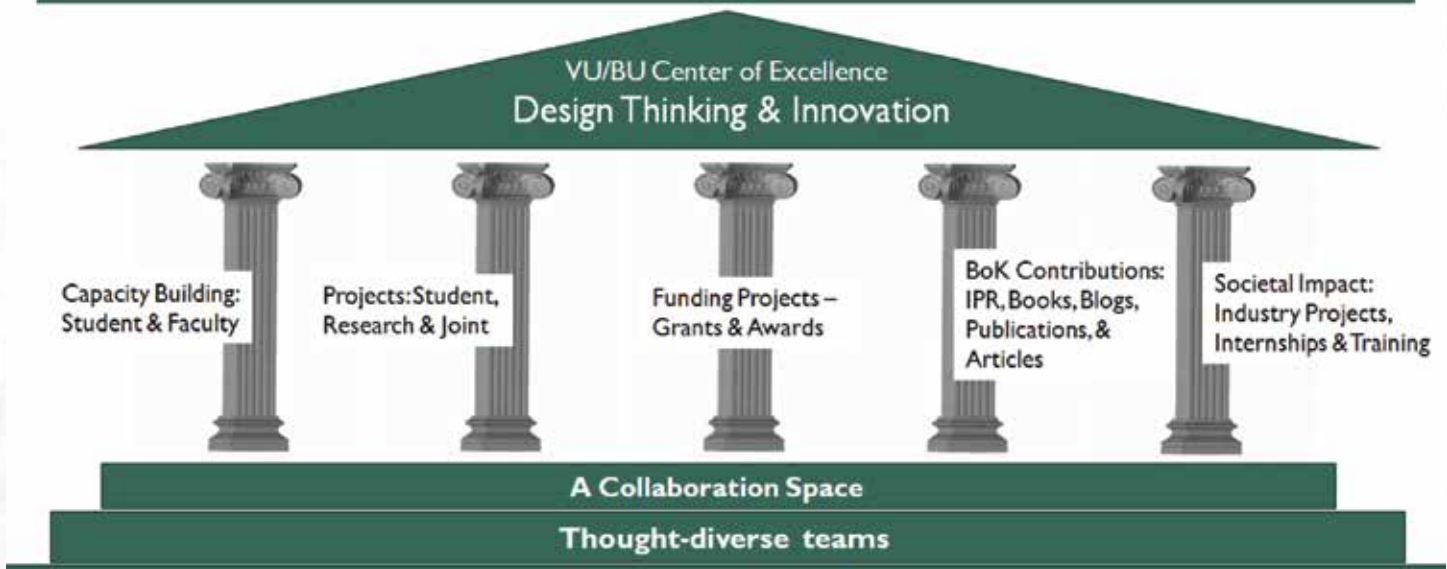
4) Experimentation Rule: The experimentation rule helps to learn which visualized idea works and which will not work by prototyping an early stage version of an idea and testing it. Here we 'fail fast to learn fast'.

5) Re-design Rule: The re-design rule signifies that initial ideas should be refined repeatedly until they are considered exceptional from the point of view of the intended users. Several design iterations are normal and expected.



5 PILLARS OF CENTER

5 PILLARS OF EXCELLENCE FOR THE CENTER



1st Pillar Capacity Building: Student & Faculty

Capacity Building methods that are participatory and develops a culture of shared learning. Use of technology to attain scale and provide individual attention to students and faculty needs. Needs Analyses essentially are methods that identify and determine the type of capacity that needs to be built in teachers through Design Thinking.

2. Projects: Student, Research & Joint

There is growing demand in our society to cultivate creativity and foster innovation. Design thinking has been successfully practiced as an educational framework for supporting innovation in educational and work contexts. However, research on design thinking education that facilitates the acquisition

of knowledge related to design process and practices is extremely limited, particularly in educational contexts. Methods study examined blogging as an instructional approach for supporting design thinking education in an online instructional technology course. An analysis of quantitative and qualitative data revealed an improvement in students' design thinking skills after participating in the course. Students were more comfortable using design practices and processes than their creative abilities.

3. Funding Projects – Grants & Awards

Design thinking is a powerful approach to new development of new idea that begins with understanding unmet customer needs. It's a human-centered design process that approaches problem-solving with understanding the user needs. Design thinking encompasses concept development, applied creativity, prototyping, and experimentation by creating different platforms for creating opportunity for design grants and awards. Thinking approaches are applied to business, the success rate for innovation has been seen to improve substantially.

4. Book Contributions: IPR, Books, Blogs, Publications, & Articles

To offers practical information to help publishers both to exploit Design Property as economic assets, and to avoid infringing the rights of others. While focusing primarily on publishers of trade books, the concepts covered are equally relevant to publishers of other printed literature, such as textbooks, newspapers, magazines and corporate literature.

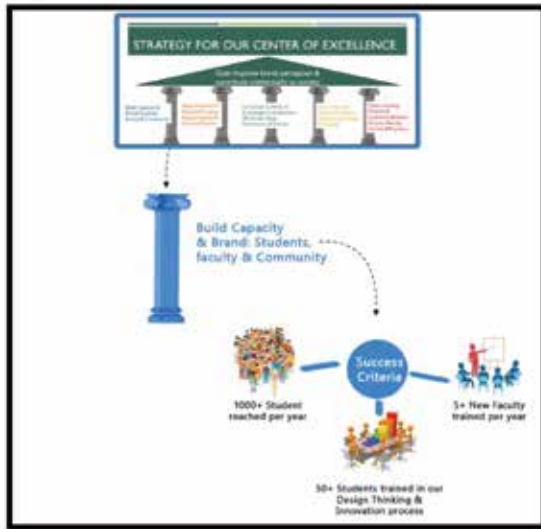
5. Societal Impact: Industry Projects, Internships & Training

To understand the social impact like, Intern in an exciting, supportive environment, learn key skills, gain insight into the sector, make an impact, figure out your future is attempted.



Key Success Metrics

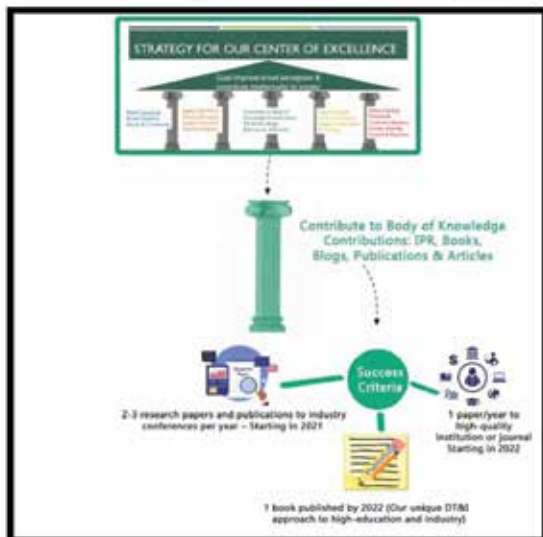
1. Build Capacity & Brand: Students, faculty & Community (PILLAR 1)



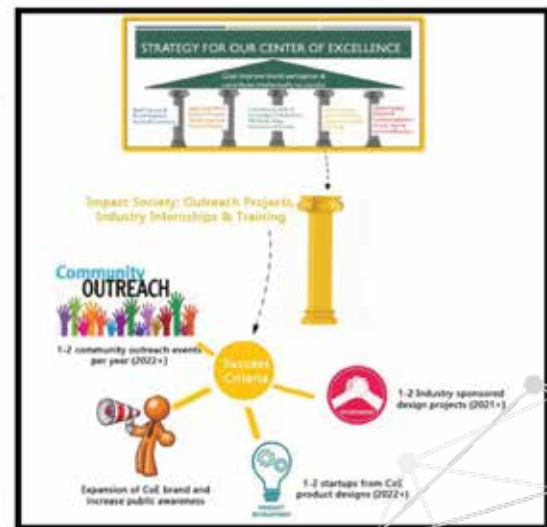
2. Apply Real-World Research Projects: Student Interns & Industry Projects (PILLAR 2)



3. Contribute to Body of Knowledge Contributions: IPR, Books, Blogs, Publications, & Articles (PILAR3)



4. Impact Society: Outreach Projects, Industry Internships & Training (PILAR4)



5. Obtain funding: Projects & Commercialization– Grants, Awards, Income & Royalties(PILAR5)



Our Team of Faculty Experts



Dr. Kailas Patil
Director for COE-DTI



Prof. Prashant Acharya
Deputy Director of COE-DTI



Prof. Apurva Thosar
Deputy Director of COE-DTI



Prof. Michael V Testani
Director for COE-DTI



Prof. (Dr.) Avadhut Atre
Dean (Art and Design)

International Speaker Webinar Series (VU/BU Innovation Technical Talks (Hub and Spoke))

1. Entrepreneurship (Dr. McLeod) - February
2. Complex Systems (Dr. Sayama) - March
3. AI/ML in Healthcare (Dr. Won) - April
4. Blockchain (Dr. Nagarur) - May

Research Projects – Pursuing funding

Research Topics:

1. Agriculture and Blockchain (IT security and food safety) – A system for India farmers to sell directly to the consumer (versus through distributors) – 30 days
2. Post COVID-19 special accommodations for physically challenged persons – 60 days
3. Cybersecurity and Design Thinking - Policy design and implementation (higher organization adoption and better compliance) – 90 days
4. Timing: Grant funding applications to be submitted in next 30, 60 and 90 days
5. Outcomes: 1-2 Conference & Journal Papers at a high-quality institution, 2-3 IP Registrations (2021+) & Startups (2022+)

Objective: Create societal Impact

Tactics:

1. Deliver WWS Higher Order Thinking skills workshops (300+ students)
2. Deliver Vishwakarma Vidyalaya faculty and student training in Critical Thinking Skills (400+ students)
3. Complete the Wilo design project
4. Perform community design and outreach projects

Outcomes:

1. Expansion of CoE brand and increase public awareness
2. Build community 'good will' and positive perception of CoE
3. 1-2 Industry sponsored design projects (2021+)
4. 1-2 startups from CoE product designs (2022+)
5. 1-2 community outreach events per year (2022+)

Joint Company Collaboration



1. Wilo – Water Filtration Product Design

Project Brief - To Design and construct a model for Water Purifier by studying about the recent technologies used for Water Purification and thereby proposing significant smart features that could be applied in the New Design of Water Purifier. The Design language is to be based on Boondi Ram which is the Brand Identity of Wilo Company. The Wilo Internship project is about to make a Smart Water purifier, which will be usable for home purposes or organisation considering the fact of less water wastage and water quality. Briefing about the Internship project by Wilo Team to students and faculty mentors through Microsoft teams in Online mode which was conducted on 25th November 2020.



3. Joint Company Collaboration – VU DIGITAL - User Research & UX/UI for VU digital

Project Brief- Centre for E-Learning

To make VU-Digital the most sought after learning platform for imparting quality education to masses.

- Making education accessible to masses through digital platform
- Providing convenient and flexible online courses for learners
- Facilitating career building through online courses
- Fulfilling the vast demand of talent pool for industries

Objectives

- To deliver need-based modular & flexible online courses with industry collaboration
- To build various career pathways by offering relevant online courses.
- To build robust, flexible and accessible online learning management system
- To establish state-of-the-art e-learning resource development studio
- To develop human resources for creating digital learning content
- To enrich teachers with blended learning resources.

Copyrights

1) Title: Design Thinking Process

Registered No: L-87720/2019 Date: 09/12/2019

2) Title: Security Policies Design Framework

Registered No: L-89371/2020 Date: 11/02/2020



A platform to share inspirational stories

- Development communication to focus on the issues of the common people.
- Document the struggle of the women, children, adivasis, farmers, workers and so on.
- Convey the success stories of these strugglers to the society
- It is our responsibility as academics and the media persons.



The screenshot displays a news website interface with three columns: TOP STORIES, MAIN NEWS, and LATEST.

TOP STORIES

- 1. **UNCATEGORIZED**
Covid 19 leads to luxury car damage in Mumbai as rodents chew its wiring: owner forced to disposed it off
- 2. **UNCATEGORIZED**
Adivasi Children Learn technical skills during COVID
- 3. **UNCATEGORIZED**
Hospital Treatment only to the Rich: Nand Kishore Verma
- 4. **UNCATEGORIZED**
केशकर्तनालय ट्यावसायिकांचा...

MAIN NEWS

- 2 min read

UNCATEGORIZED
Hospital Treatment only to the

LATEST

- 3 min read
UNCATEGORIZED
Covid 19 leads to luxury car damage in Mumbai as rodents chew its wiring: owner forced to disposed it off
October 31, 2020 | Center of Communication for Development
- 2 min read
UNCATEGORIZED
Adivasi Children Learn technical

Our Team

**Dr. Kiran Thakur | Prof. Vaibhav Thakare | Prof. Radheshyam Jadhav | Prof. Mayuresh Belsare
Prof. Ravi Nikam | Prof. Abhishek Bhosale | Prof. Rahul Mate | Prof. Vidhi Agrawal**





**FACULTY
ACTIVITIES**

Faculty Strength, Composition (Qualification, Region and Gender)

Vishwakarma University strictly complies with the UGC guidelines for faculty recruitment. The Human resource at the University is growing each year. The faculty members come from across the country such as Rajasthan, Uttar Pradesh, Madhya Pradesh, Karnataka, Tamil nadu, Kerala, Bihar, Telangana, Andhra Pradesh, Uttarakhand, Tripura and Maharashtra. A balanced male-female ratio of the faculty members is taken into consideration during the recruitment.

| Year | Total Strength | Male | Female |
|------|----------------|------|--------|
| 2017 | 61 | 40 | 21 |
| 2018 | 81 | 53 | 28 |
| 2019 | 109 | 46 | 63 |
| 2020 | 139 | 71 | 68 |



Faculty Capacity Building Programmes

VISHWAKARMA UNIVERSITY | **IQAC**

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. Dipati Tulpule
Assistant Dean (Quality Control), Business School, Pune

Dr. Anwar Shaikh
Professor (Alumni of Pharmacy), IIT Bombay, School of Chemistry

Organized by Internal Quality Assurance Cell, Vishwakarma University, Pune

Vishwakarma University Pune invites all students and faculty for **An Expert Session**

Herb-Drug-Disease Interactions- A prerequisite for Integrative Medicine

Funding opportunities and approaches to transdisciplinary AYUSH researches

Saturday, March 27, 2021
8:00am to 10:00am



Expert Speaker
Dr. Ganesh Dabur
B.Pharm, PhD (Pharmacology & Toxicology), Director (Ministry of AYUSH) - Centre of Excellence, Centre for Complementary and Integrative Health, Maharaja Ganga Devi School of Health Sciences, Gurukul Kangri Vishwavidya, Haridwar, India

Organized by VU-Centre of BBDDT in association with VU-IQAC

VISHWAKARMA UNIVERSITY

7th August 2021
11:00 am

Expert Session

BOOK CHAPTER WRITING

Dr. Sachin Sakat

Prof. Dr. Shrikant Kulkarni
Assistant Professor, VU, Pune

Organized by The Centre of Excellence, "Innovative, Biomedical and Drug Delivery Technology" and Internal Quality Assurance Cell & Research Cell, Vishwakarma University, Pune, India

VISHWAKARMA UNIVERSITY | **BLEWMINDS**

University Grant Commission (UGC) Approved (State/Private University) | Before the World

LINKEDIN PROFILE BUILDING AND NETWORKING

Virtual Workshop by Vishwakarma University in Collaboration with BlewMinds Consulting.

- Building your personal brand on LinkedIn- Tips & Strategies
- Leverage LinkedIn for career growth opportunities (Job search, business growth & becoming a thought leader in your industry)
- 10 Commandments for standing out on LinkedIn
- Understanding the various aspects of LinkedIn

28th August, 2021
12:00 pm - 1:30 pm

Mr. Sandeep Kochhar
Story Teller & Founder, BlewMinds Consulting LLP

VISHWAKARMA UNIVERSITY

University Grant Commission (UGC) Approved (State/Private University)

Vishwakarma University, Pune Invite Students, Scholars, Researchers, and Faculty for an Informative Session

Exploring Research Grants, Writing Research Proposals and Research Papers

Saturday, April 10
11:00am - 1:00pm



Guest Speaker
Prof. (Dr.) Bharat Bhanvase
Professor and Head, Chemical Engineering Department, Laxminarayan Institute of Technology, Nagpur

Organized by Internal Quality Assurance Cell and Research Cell, Vishwakarma University

VISHWAKARMA UNIVERSITY

INVITATION

An Orientation Programme on National Assessment and Accreditation Council (NAAC)

Saturday, 3rd October 2020
11:30 AM onwards

NAAC

INTERNAL QUALITY ASSURANCE CELL (IQAC)
VISHWAKARMA UNIVERSITY, PUNE-411048

Faculty achievements (Awards, FDPs etc)

- Dr. Bharati Ainapure, Dr. Yogesh Deshpande, Prof. Noshir Tarapore, and Prof. Reshma Pise received research grants from various Government and Corporate funding agencies.
- Dr. Prasad Gokhale is the authorized reviewer for the IEEE Communication Magazine, Journal of Optical Communications and Networking (JOCN), Springer.
- Prof. Reshma Pise was awarded the Gold Medal for her SUN JAVA certification.
- Nimisha Doshi (SY student) got selected for the TalentSprint Women Engineers program supported by Google and also won a Rs 2 lakh scholarship.
- Prof. Yogesh Deshpande becomes the Vice President of the Global VRAR Association Pune Chapter
- Faculty of Architecture-Collaboration for the Innovate4Cities conference to be co-hosted by UN-Habitat and Global Covenant of Mayors for Climate and Energy (GCoM).
- The Faculty of Architecture signed the MoU with ASSOCHAM GEM Green Building Council under i-BERG Centre of Excellence.
- Prof. Dr. Dhananjay Bhatkhande and Dr. Shraddha Khamparia participated in India Water Day Conference were the speakers at the Digital Conference on The India Water Conference, organized jointly with Sustainability Initiatives Pune, VU Pune and RFRF, with the Media support of Asian NGO and ASSIST. <https://fb.watch/4TJM16VZ4W/>
- Prof. Dr. Dhananjay Bhatkhande and Dr. Shraddha Khamparia attended IWA-Water and Development Congress and Exhibition, 1-4 December 2019, Colombo, Sri Lanka.
- Prof. Dr. Dhananjay Bhatkhande is the holder of most prestigious M. M. Sharma Doctoral Fellowship awarded for candidate doing outstanding research project for his Ph.D. work in U.D.C.T.
- Prof. Dr. Dhananjay Bhatkhande is the holder of S. B. Chandalia Students Endowment award for the outstanding work in the first years amongst the batch
- Prof. Dr. Dhananjay Bhatkhande is the Chairman of syllabus committee of University of Pune for CET-I/ CET-II / CRE-1/ CRE-II
- Prof. Dr. Dhananjay Bhatkhande is the Chairman of syllabus committee of University of Pune for Food Technology / Biochemical Engineering / Piping Engineering
- Prof. Dr. Dhananjay Bhatkhande is the Referee for International J of Catalyst Referee for International J Chemosphere

- Prof. Dr. Dhananjay Bhatkhande is the Chairman of syllabus committee of University of Pune for Food Technology / Biochemical Engineering / Piping Engineering
- Prof. Dr. Dhananjay Bhatkhande is the Referee for International J of Catalyst Referee for International J Chemosphere Member of Staff Selection Committee Uni. Of Pune Chairman BOS Chemical VIT Autonomous Board Member BOS Biotechnology – Shivaji University Member BOS – Technology Department SPPU Research and Recognition (RR) Committee member- SPPU Pune -2 Years from Feb 2020.
- Dr. Shraddha Khamparia got 2nd Rank in merit list of M.Sc. Chemistry in Pt. Ravishankar Shukla University (Pt. RSU), Raipur, Chhattisgarh.
- Dr. Shraddha Khamparia got Gold medalist in PG certificate course in Environment and Sustainable Development in Chhattisgarh Swami Vivekananda Technical University (CSVTU), Bilai, Chhattisgarh.
- Dr. Shraddha Khamparia was awarded the Junior Research Fellowship for Ph.D. by Symbiosis International University, Pune.
- Dr. Shraddha Khamparia was awarded with the Best Research Paper award for a paper presented in NUV conference, Gujrat and in NCICST, Kanyakumari, India.
- Dr. Shraddha Khamparia and Prof. Dr. Dhananjay Bhatkhande was deputed for Global Sanitation Graduate School, IHE Delft, Netherland (GSGS) Workshop in Colombo Sri Lanka 1-5 Dec 2020 by Vishwakarma University, Pune.
- Dr. Shraddha Khamparia was a Panel member on Ph.D. selection committee for faculty of engineering as subject expert in Symbiosis International (Deemed University).
- Dr. Shraddha Khamparia was Expert speaker on the topic of RO treatment organized by the Institution of Engineers (India) Pune (Local center Pimpri Chinchwad) on 13th June 2019 in association with WILo India.
- Dr. Shraddha Khamparia is the Member of University Level Examination Grievance Redressal Committee in Vishwakarma University.
- Dr. Shraddha Khamparia is the Subject Expert in Board of Studies for Engineering Sciences under Faculty of Science and Technology, Vishwakarma University, Pune.
- Dr. Shraddha Khamparia is a Reviewer of African Journal of Environmental Science and Technology, Polish Journal of Chemical Technology, Global Journal of Environmental Science and Management and International Journal of

Water and Wastewater Treatment, Environment, Development and Sustainability, The Chemical Industry and Chemical Engineering Quarterly.

- Dr. Bhupender Singh- Received 'Best Paper Award' for paper presentation at International conference at Banaras Hindu University on the topic of 'Mental image, Personality and Emotions among Female NCC Cadets and Non Cadets' (2016).
- Dr. Vidya Bhate
 1. Awarded Fellowship for M.Phil from IIE- 2004
 2. Won the Ramanathan award at NSI Annual meeting for best oral presentation-Calcutta, November 2006
 3. Awarded Sponsorship for presenting paper at DOHaD International conference- Australia, November 2007
 4. Won the Haveliram Pasricha award for the best poster presentation at NSI Annual meeting-Chennai, November 2008
 5. Granted Travel Grant Award (Fellowship) by the DOHaD society to present a paper at the international conference- CHILE, November 2009.
- Dr. Kirti Vyas
 1. Received Travel Grant by the Association of Psychological Sciences (APS) to present Poster at ICPS-2019, Paris - France.
 2. Awarded ICSSR Doctoral Fellowship

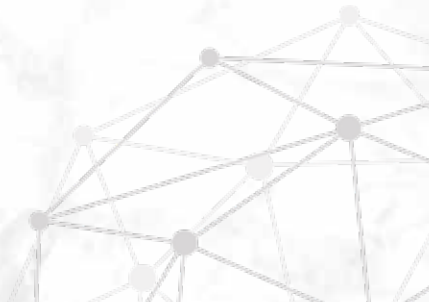
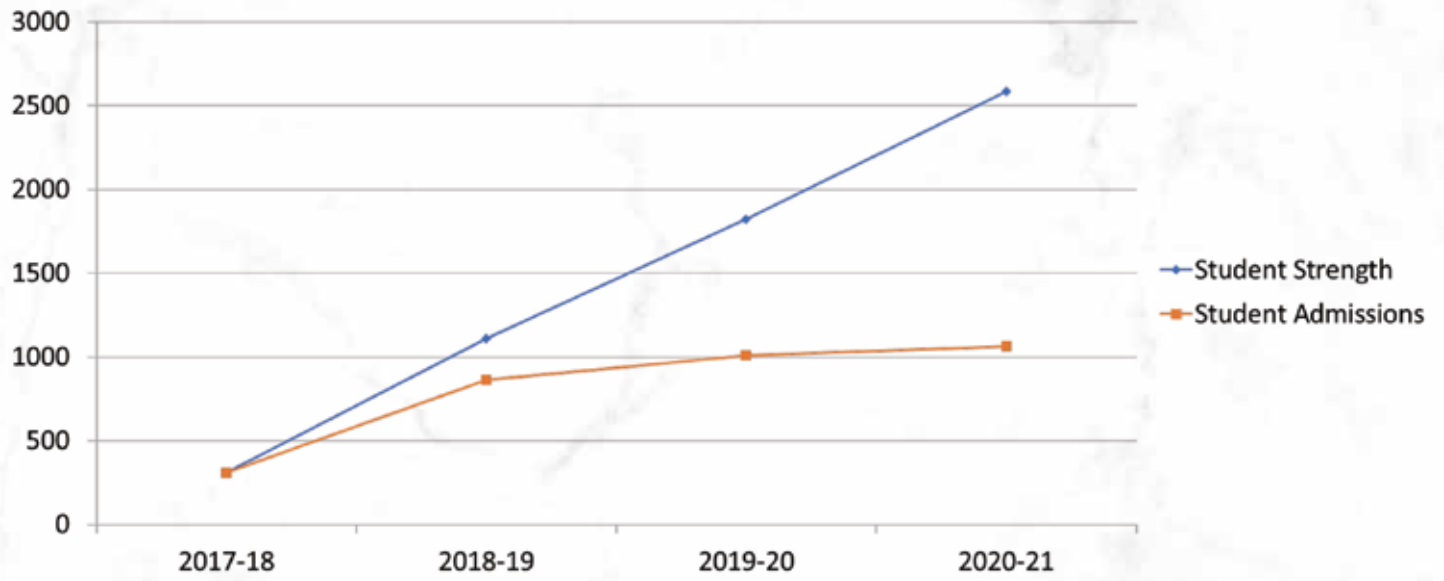
| Sr. No. | Name of the Faculty | Award/Achievement |
|---------|-----------------------------|---|
| 1. | Dr. Sunanda Mulik | Appointed as a Reviewer for International Journal on Data Science and Technology |
| 2. | Dr. Ramkumar Krishnamoorthy | Reviewer for International Conference on Sustainable Advanced Computing (ICSAC 2021) for the period 05.03.2021 - 06.03.2021 |

- Dr. Bharati S Ainapure received Uttam Adhyapika award from Bharath Educational Excellence Award.
- Dr. Kailas Patil was awarded first runner-up in the Best Paper Award in the Engineering Lean and Six Sigma (ELSS) Conference at Institute of Industrial and Systems Engineers (IISE).
- Dr. Kailas Patil is also Listed as India's top 15 Cyber Security Researchers by National Critical Information Infrastructure Protection Center (NCIIPC).
- Dr.Preeti Mehta is awarded as Best Young Achiever of the Year-2021 by DHS foundation,New Delhi.



**STUDENT
ACTIVITIES**

Student Strength



Students Achievements (Academics, Sports, Extra-curricular)

1. Prabal Mehrotra- Panelist for mock panchayat Social Conclave at NMIMS institute in collaboration with United Nations on Rural Literacy and Unemployment.
2. Manjiri Jumbade- Won Lokshahir Annabhau Sathe Scholarship.
3. Virti Medtia- Won Lokshahir Annabhau Sathe Scholarship.
4. Mechanical Engineering students team Overdrive participated in an international online competition of FSEV (Formula Student Electric Vehicle) organized by Formula Bharat.
5. Team Overdrive secured its first win ever at eFKDC (Electric Formula Kart Design Challenge) organized by FMAE. Due to this the team secured a direct entry for FKDC to be held at Kari Motor speedway.
6. The Team secured its first podium a high 2nd rank in e-GKDC (Electric Gokart Design Challenge) organized by ISNEE Motorsport. It was the first trophy secured by the team in only its second competition.
7. M.Sc. FY Sem I (Waste Water and Sanitation Management) student Gowri Gauridhar participated in Water Conclave on 17th December 2020 organized by the Economics Times.
8. M.Sc. FY Sem II (Waste Water and Sanitation Management) students Gowri Gauridhar and Kanimozhi A participated in poster competition and Boond Boond se Sagar in World Water Day Celebration on 22nd March 2021 organized by Vishwakarma University, Pune, India.
9. M.Sc. FY Sem I (Waste Water and Sanitation Management) student Gowri Gauridhar participated in Statistics Day on 30th June 2021 organized by the Vishwakarma University, Pune, India.
10. Hrishikesh Dhawale (Student from BA VI Sem) completed a Certificate course in MICE Management from 26th May to 10th June 2020
11. Radha Chavan (Student from BA VI Sem) successfully completed 1st Dan Taekwondo Promotion Test on 21st July 2019
12. Saherish Khan (Student from BA VI Sem) successfully won Best Actor Female in Short Films Category at Quick Heal CY-FI Arts Festival in 2019

EXTRA CURRICULAR AT VU

Vishwakarma university students were participated in the state level intercollegiate tournaments, recently in Vishwanath sports meet 2020 state level tournaments organized by MIT, ADT Loni. VU students participated in table tennis, volleyball & football tournaments. VU Table Tennis team secured 2nd position & awarded by the former Indian cricket team captain Shashikant borde sir. All the students were participated in this event under the guidance of sports incharge prof. Kailas Bhosale.



Vishwakarma University students were participated in following sports games at Annual sport fest meet 2020:

Cricket (Boys & Girls)



Athletics 100 M Relay (Boys & Girls)



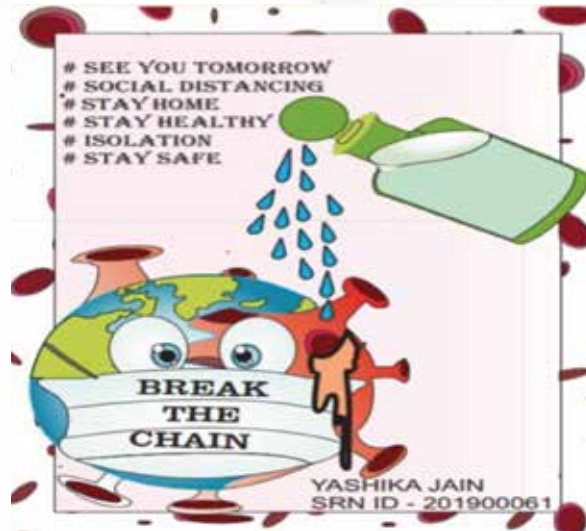
Volleyball & Kabaddi (Boys)



Carrom (Girls & Boys)



Social Initiatives



Tree Plantation on 2nd Oct 2020

On the occasion of 151 Birth anniversary of Mahatma Gandhi, Father of Nation, the Vishwakarma University has organized tree plantation drive in the campus of University, and planted 48 Indian trees approved by Pune Municipal Corporation . i.e. chandan, kailaspati etc. With the limited numbers of participants as per the Governments guidelines about this covid 19 pandemic situations.



Feed back about SBSI From Villagers: Video



Recently Vishwakarma University Awarded Perennial Fund By UBA

- Shortlisted for receiving Perennial Funds worth 1.75 lakh rupees under UBA!!!
- Rajarambapu Institute of Technology, Rajaramnagar, Sakhrale (C-11208)
- THADOMAL SHAHANI ENGINEERING COLLEGE (C-3368)
- Vishwakarma Institute of Information Technology (C-41497)
- Symbiosis International (Deemed University) U-0329)
- Vishwakarma University (U-0888)

Yoga Day Celebration



Independence & Republic Day Celebration



NSS, NCC and other activities

Vishwakarma University has received approval for NSS

भारत सरकार
GOVERNMENT OF INDIA

राष्ट्रीय सेवा योजना
NATIONAL SERVICE SCHEME



राष्ट्रीय सेवा योजना

National Service Scheme

युवा कार्यक्रम और खेल मंत्रालय

Ministry of Youth Affairs and Sports

भारत सरकार

Government of India



**INTERNATIONAL
PRESENCE**

MoUs

| | |
|--|-----------|
| Wufeng University | MoU |
| Korea Institute of Science and Technology, South Korea. | MoU |
| Nanyang Technological University | Agreement |
| Meetra UG, Berlin , Germany | MoU |
| Ecole Nationale Supérieure Mines - Telecom Lille Souai | Agreement |
| Ontario Universities International | MoU |
| National University, California | Agreement |
| National University of Singapore | MoU |
| Hof University of Applied Sciences Hof, Germany | Agreement |
| Kasetsart University, Thailand, Bangkok | Agreement |
| The University of Ngaoundere | MoU |
| Binghamton University State Private University of New York | MoU |
| EK Affairs Limited | MoU |
| Asian Institute of Technology | MoU |
| Qi Square Pte Ltd | MoU |



Exchange Programme

International Relations

International Collaborations Student Exchange

| Sr No | Name | Programme | University | Duration |
|-------|-------------------|---------------|-------------------------|-------------------|
| 1. | Aanad Munot | BBA (C&M) | York University, Canada | Sept'19 to Dec'19 |
| 2. | Tanishka Kharadyy | BBA (C&M) | Hof University, Germany | Oct'19 to Feb'20 |
| 3. | Jaideep Nadkarni | MBA (C&M) | Hof University, Germany | Oct'19 to Feb'20 |
| 4 | Prathamesh Hire | SY Mech (S&T) | Hof University, Germany | Oct'19 to Feb'20 |



International Collaborations Summer School

| Sr No | Name | Programme | University | Duration | Summer | |
|-------|---------------------------|----------------------|----------------------------|-----------------------------|-----------------------------|--------------------------------------|
| 1. | Hariharan Chandrasekharan | MA Economics | Hof University, Germany | July 10 to July 31, 2019 | July 10 to July 31, 2019 | |
| 2. | Yogikumar Patel | BBA (C&M) | | Hof University, Germany | July 9 to July 26, 2019 | Production n Supply Chain Mgmt |
| 3. | Bhavin Ruparel | BBA (C&M) | | | | |
| 4. | Suhas Kare | BBA (C&M) | | | | |
| 5. | Ayushi Patel | BBA (C&M) | | | | |
| 6. | Shubham Ugale | BBA (C&M) | | | | |
| 7. | Manas Umesh Mundhad | SY Mech (S& T) | | | | |
| 8. | Akanksha Vashishth | BBA (C&M) | Hof University, Germany | | | |
| 9. | David Ninan | BSc Computer Science | | | | |
| 10. | Gauri Karanjkar | BA Fashion Design | | | | |
| 11. | Soham Mahaja | B.Tech Mech | | | | |
| 12. | Arya Panse | B.Des | Hof University, Germany | Sept to Dec, 2021 | - | |
| 13. | Sakshi Punamiya | B.Des | | | | |
| 14. | Suyog Joshi | BBA (C&M)) | | | | |
| 15. | Vaishnavi Jawadekar | B.Des | | | | |

International Relations

International Collaborations Faculty Exchange

| Sr No | Name | Programme | University | Duration | Summer School |
|-------|---------------------|-----------|-------------------------|--------------------------|-------------------------------|
| 1. | Mr. Ashish Tithe | C & M | Hof University, Germany | July 10 to July 15, 2019 | Production Supply Chain Mgmt. |
| 2. | Prof. Daniel Werner | C & M | Hof University, Germany | 24th July to 27th July | Business simulation module |
| 3. | Prof. Schmol | C & M | Hof University, Germany | 24th July to 27th July | |



International Relations

International Collaborations NTU Internship Program

June
(1/2- 28/29)

Sustainability

**Computational
Thinking**

**Managed by VU
Travel n Tourism
Dept**

**Certificate
from NTU
Spin-off**

**Industry
Visits**

1. Climate Change n its impact on Sustainability
2. Environmental Planning for Sustainable Development
3. Green n Smart Buildings
4. Sustainable Clean Energy
5. Sustainable Urban Mobility
6. Sustainable Waste and Water Magmt
7. Sustainability in Supply Chain n Logistics
8. Design Thinking

1. NEWater
2. BCA
3. URA
4. LTA
5. Art Gallery
6. Creative Workshop
7. Marina barrage
8. Singapore Mobility Gallery

Collaborations

- Korean Institute of Science and Technology, South Korea.
- State University and New York, Binghamton, USA.
- National University, USA.
- The University of Ngaoundere, Cameroon.
- Wufeng University, Taiwan.
- Ontario Universities International
- Hof University of Applied Sciences, Germany
- Imt Lille Douai, France.
- Kasetsart University, Thailand.
- Asian Institute of Technology, Bangkok, Thailand
- Chulalongkorn School of Integrated Innovation, Thailand.
- School of Computing, National University of Singapore.
- Energy Research Institute, NTU, Singapore.



International Projects

Under Eco- friendly initiative at Vishwakarma University, the following 5 research projects have been undertaken and completed in collaboration with Energy Research Institute at Nanyang Technological University, Singapore.



2. Energy Audit

Project Faculty Team

Maya Kurulekar | Mrunmai Ranade | Dr. Siddharth Jabade | Dr. Yogesh Despande | Dr. Kailash Patil | Nilesh Jadhav.

Student List:

Atharav Joshi | Yash Suryavanshi | Niyati Khandelwal | Akash Mundada | Hritik Bagane | Jhanvi Pandya | Pratik Hawal
| Paksham Sharma.

Goal and Objective:

- Benchmarking and a case development in Commercial, Industrial and Educational buildings in India.
- Arrive at the performance insights for the above case Studies.
- Implementation of IES VE Software.

Methodology:

There were 3 case studies taken under consideration for the Energy Audit project. Traditional Auditing has always been a profound exercise performed by enterprises, all over the Virtual Energy Audit is the Exercise to simulate, a energy case study in such a manner that it becomes Optimized, Self-Efficient and Energy conservation Asset. This is a field which is a Green Career Option and has a prosperous future ahead. Hence the Virtual Energy Audit was the Audit method chosen for this Project.

IES VE Software was the tool used for this project





Results:

- 1) Academic Building (Vishwakarma University Main Building).
2. Commercial Building (Suyog Center-Trust Office).
3. Industrial Building (Aakar Foundry).

Shown below are the models created for the simulations in the IES VE Software.



Beneficiary of the project

Students, Faculty of Vishwakarma University and the Accomodaries of the considered Case Studies were the Beneficiaries from the Energy Project.

Achievement

A research paper was written on the basis of the results obtained from the case studies, which is published in the IEEE Xplore. Faculty Members and Students later presented the paper in the International Green Building Conference held in Phuket, Thailand (October 2018). Paid Internship were offered for three students by the IES VE India Pvt Ld.

3. MARKET RESEARCH FOR SELF-POWER SMART SENSORS TO DEVELOP BUSINESS MODEL

Carrying out Market Research for Self-power smart sensors to develop Business Model guiding successful entry into the Indian market. Spider Sensor is an Ultra-Low power Wireless Multi sensing flexible hardware platform. It is a single platform that incorporates temperature sensor, pressure sensor, accelerometer, gyroscope, luminosity sensor, magnetometer, proximity sensor, etc. It is an energy harvesting sensor thus does not require an external power source. The sensor can transmit the sensed data using wireless communication.

Activities carried

- Market Landscape: Studying Market size (current and future), Market volume (demand), Environmental Analysis – External (PESTEL), Identifying market opportunities and risks (current and future).
- Customer Readiness: Identifying Target Audience (Industries, Sectors, Domains, Functions etc.), Segmentation, knowing customer readiness at different levels (awareness, knowledge, initial interest, preference over competing products, suitability to purpose, purchase intention etc.)
- Competitor Setting: Identifying Competitors, Competitor Products, Product Profiles, Customer Base.
- Marketing Mix Insights: Identifying features appropriate to customer requirements, availability, quality and other aspects, Studying Distribution channel, understanding cost structure - Value chain model, Knowing market profitability, Commenting on resources and ability to achieve economies of scale.

4.REPORT ON SOLAR NANO COATING PROJECT

Nano coating on solar panels to improve efficiency- The coating material was tried and tested in Singapore. But, in Indian dusty environment and in comparatively heavy rains, its life is for a small time span. So, modifications are required for making coating sustainable in Indian environment.

5. ENERGY EFFICIENCY AUDIT SERVICES IN INDIA

Market Research and business model study on virtual audit services for buildings in India guiding successful entry into the Indian market.

Activities carried

- Market Landscape: Studying Market size (current & future), Market volume (demand), Environmental Analysis – External (PESTEL), Identifying market opportunities and risks (current and future).
- Customer Readiness: Identifying Target Audience (Industries, Sectors, Domains, Functions etc.), Segmentation, knowing customer readiness at different levels (awareness, knowledge, initial interest, preference over competing products, suitability to purpose, purchase intention etc.)
- Competitor Setting: Identifying Competitors, Competitor Products, Product Profiles, Customer Base.
- Marketing Mix Insights: Identifying features appropriate to customer requirements, availability, quality and other aspects.

14



**INDUSTRY
CONNECT**

Vishwakarma University - Career Support Office (CSO)

Philosophy of CSO

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 Career Support 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.

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.



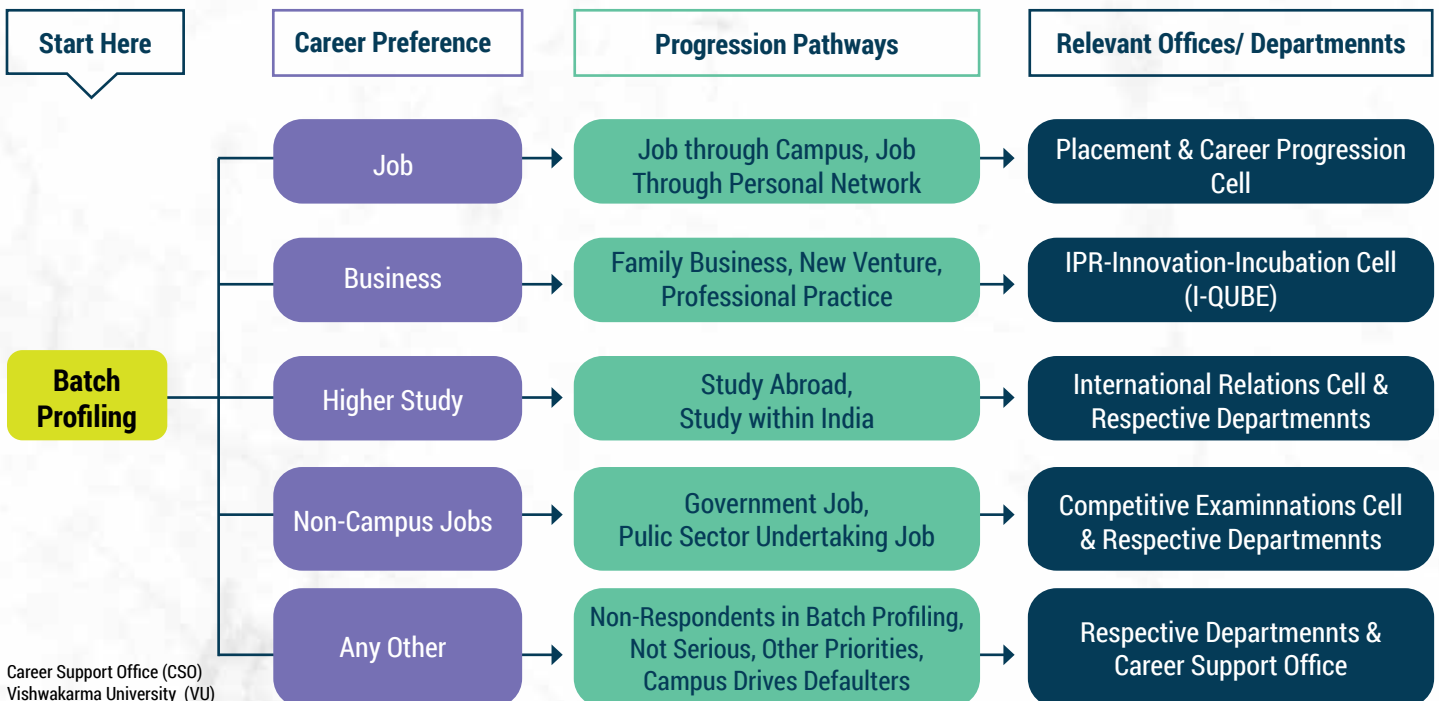
Objectives of PCPAP

- To help prepare students for career progression and placement over and above academic inputs.
- To inculcate essential foundational competencies such as Communication; Project presentation & 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.



Industry Connect (2017-2020)

1000+
Industry
Linkages

700+
Student
Internships
and Projects

400+
Esteemed
Industry
Recruiters

50+
Industry
Collaborations

Career Progression Updates (2019 – 2021)

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

| Career Progression | 2021 Passing Out Batch | 2020 Passing Out Batch | 2019 Passing Out Batch |
|--------------------|------------------------|------------------------|------------------------|
| Job | 181 | 107 | 36 |
| Business | 56 | 24 | 08 |
| Higher Study | 64 | 34 | 0 |



Top Recruiters (2019-2021)

| | | | | | |
|---|--|---|--|--|--|
|  THERMAX |  TATA BLUESCOPE STEEL |  pantaloon |  Flipkart |  WhiteHat Jr Use Online Classes for Agile Learning | |
| Psychology | Graphic Design | Retail | Operations | Music | |
|  Edelweiss |  ElasticRun |  ogeestudio UX For Networking |  resilinc |  THESIGN INTERIORS Create Your Signature Design | |
| Finance | Design | UI UX | Statistics | Interior | |
|  accenture |  ClubMahindra |  Tech Mahindra |  DATA BRIDGE MARKET RESEARCH |  Ethosh | |
| Product Design | Travel & Tourism | Tech Mahindra | IB | Animation | |
|  TOMMY HILFIGER |  ck Calvin Klein |  wilo |  future group LIFE AND THE CITY |  JOHN DEERE |  SHOPPERS STOP |
|  Tech Mahindra |  CARRARO |  NI WEALTH |  Jnana Prabodhini's Institute of Psychology ज्ञाना प्रबोधिनी - ज्ञाना प्रबोधिनी |  WNS CARES FOUNDATION EDUCATE - EMPOWER - ENRICH |  INFINITY X |
|  Brainberg™ |  Goreja & Boyde |  cottonking The King of Cotton Merchandise |  D4 MEDIA FILMS PVT. LTD. Slew & massive production company |  IES |  C414 LAB CENTRE FOR INDUSTRY 4.0 |
|  BIG BAZAAR |  unity |  citi |  CYBAGE Innovating what's possible |  CLSA |  REVAL Revolving Solutions |
|  Dimentrix |  NEEYAMC |  SHAREIT |  kotak LIFE BANK |  HDFC BANK |  MARKETS & MARKETS™ |

Internships and Projects (2017-2021)



Top Recruiters for Internship and Projects

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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 on Campus – Faculty of Art and Design

Industry on Campus facilitates

- 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 ON CAMPUS
Faculty of Art & Design

Arsha Media Pvt. Ltd. is a 2D animation studio operating in the last few years of 2D-digital animation, e-learning, mobile gaming, graphic design and 2D pre-production solutions, commissioned for diverse applications and an educational clients.

Home to a team of professional animators, illustrators, storyboard artists, designers and VFX artists, Arsha's services come packed with experience in handling entire project lifecycle, with a keen eye on customer-to-quality benchmarks and delivery timelines.

<http://www.arshamedia.com/>

Leader:
Mr. Abhijit Ghose, Founder – Arsha Media
Assistant Director | Art Director

INDUSTRY ON CAMPUS
Faculty of Art & Design

24 Media Films (P) Ltd. is a leading full service video production company in Pune and Mumbai. They serve an ever-growing demand for videos across the business, industrial, commercial, online-media and educational sectors.

The company specializes in producing Advertising Commercials, Corporate Films, Documentaries and Animation Videos for customers all across the globe.

They are fully equipped with their own Pre to Post Production facilities and support designers who specialize in 2D & 3D graphics and animation in an integrated digital ecosystem.

<http://www.24mediafilms.com>

Leader:
Mr. Vikrant Argade, Director – 24 Media Films
Director | Video Consultant

INDUSTRY ON CAMPUS
Faculty of Art & Design

Domino Strategic Design has worked in 12+ countries for 150+ clients on 250+ projects with 15m+ products and 70+ strategies at business in 3 continents within 3 years with 1 billion, Domino.

Domino Design holds a radical potential to not only create brands and products but to create phenomenal experiences.

Domino offer Client Consumer Product Design, Brand Design, Packaging Design, Space Design, Strategy Design, Medical Design, Industrial Design and UX/UI Design services to its clients.

<http://www.domino.co/>

Leader:
Mr. Shivanshu Purohit, Creative Director – Domino Strategic Design
Creative Director | Design Mentor | Strategist

INDUSTRY ON CAMPUS
Faculty of Art & Design

Arshaat refers to the first sound created in the universe, which is pure, peace, powerful and progression.

Arshaat Studios deliver research based strategic solutions to various industries to transform them into successful entities.

Arshaat specializes in **360 Branding, Kickstart Branding, Branding for Professionals, Branding for Events, and in-ship Branding.**

<http://www.arshaat.com>

Leader:
Mr. Vaidhar Bedat, Founder & CEO – Arshaat Studios
Branding | Design | Strategy

INDUSTRY ON CAMPUS
Faculty of Art & Design

Fluxion is a group of people working together for the last twenty five years in the field of Interior Design.

The Fluxion team believes that any great Interior Design is always a team effort in which everyone's every agency involved is always mutually responsible for the outcome of the project, including the client.

The team is focused on the functionality of any designed space rather than only aesthetics, which has helped them achieve more satisfied clients over the years.

<http://www.fluxiondesign.com/>

Leader:
Mr. Anil Joshi, Principal Designer – Fluxion
Interior Design | Interior Architecture

INDUSTRY ON CAMPUS
Faculty of Art & Design

The Media Tree helps businesses communicate with clarity, creativity and effectiveness.

It helps clients to connect with people in novel ways and by using the best graphical and digital techniques, software and media.

Even client's clearest envision – Design, Animation, Web or Print, they clear and communication that is simple yet intelligent, visual concepts that get people to do what it does best.

<http://www.themediatree.co.in/>

Leader:
Mr. Anand Bhattacha, Founder Director – The Media Tree LLP
Animation Director | Animation & Creative Trainer

INDUSTRY ON CAMPUS
Faculty of Art & Design

Ogee Studio specializes in the design and development of compelling, modern, rich user experience (UX) & UI and interactive visualizations for complex information systems in the IOT space. Ogee Studio built a leading practice in IOT for 100+ products with a unique combination of our expert knowledge and years of experience creating innovative interaction and visual design.

Ogee Studio's practice spans multiple disciplines including write-time business intelligence, multi-dimensional data analysis and visualization, operational intelligence, Behavioural & Sensory, Healthcare & Life Sciences, Supply Chain & Procurement, IoT, Big Data Analytics, e-commerce & retail disciplines.

Ogee Studio offers a complete range of user experience services including interaction design, visual design, implementation support to the engineering teams, user research, usability testing, and product development.

<http://www.ogee.studio.com/>

Leader:
Mr. Chaitrali Sheth, Director & Principal UX – Ogee Studio India Pvt. Ltd.
User Experience Design | Interaction Design | User-centered Design

INDUSTRY ON CAMPUS
Faculty of Art & Design

bucket design is a multidisciplinary design and innovation studio.

They partner in to design experiences. They come up with innovative design ideas that have the potential of changing businesses forever.

The studio provides design solutions in product, brand, space, retail, services and service across to clients across the globe.

Their mission is to provide meaningful design solutions to their clients and create enhanced value in their businesses.

<http://www.bucketdesigns.com/>

Leader:
Rishabh Pant – Founder / Principal Designer at bucket design
Industrial Design | Product Design | Brand Design | Space Design

Industry Advisory Board (IAB) – Faculty of Art & Design

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

The IAB comprises of Senior Industry Professionals, Business Leaders, Entrepreneurs, Representatives of Professional Bodies, and Leaders from Social Enterprises.



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 faculties of CPR & the VU. |

| Organization | Nature of Linkage/Collaboration | Brief about organization |
|---|---|--|
| 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 |
| Buldana 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 |
| 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

| | | |
|----------|-----------------|--|
| 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 | Wadhvani 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 |
| TSSC | Membership | An industry led apex body set up by the Cellular Operators Association of India (COAI) to ensure adequate availability of skilled manpower to boost growth and productivity in the Telecom sector. |
| NIQR | Student Chapter | National Institution for Quality and reliability is administered by a National Executive Council. Industrialists, Top Level officers Managers, Professionals are the Members of the Executive Council and Branch Executive Committees. |
| 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.**

CSO 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.

Some of the other key activities supported by CSO;

- **Professionals as resource persons**
- **Industry Advisory Boards**
- **Centres of Excellence**
- **Batch Profiling**
- **LinkedIn Group**
- **Industry on Campus**
- **Incubation Facility**
- **Career Counseling**





EVENTS

15.1 Independence Day, Republic Day
15.3 Walkathon
15.5 Sadhishtan
15.7 Hackathon
15.9 Swachh Bharat, Swachh Ranking
15.11 LGMF Event
15.13 Shukriya

15.2 International Yoga Day
15.4 Aramb
15.6 Vishwayan
15.8 Unnat Bharat (Funding etc)
15.10 Quick-heal cy-fi art festival
15.12 Virasat
15.14 Important days (Tourism Day etc)









VIOLIN ICON
STÉPHANE GRAPPELLI



DR. L. SUBRAMANIAM



KAVITA KRISHNAMURTI



PANKAJ UDHAS



USHA UTHAP



ANUP JALOTA



SVETLANA SMOLINA



ØYSTEIN BAADSVIK



URSULA MORENO



VISHWAKARMA
UNIVERSITY
Nurturing Human Potential



LAKSHMINARAYANA
GLOBAL MUSIC FESTIVAL

SUBRAMANIAM FOUNDATION
IN ASSOCIATION WITH
VISHWAKARMA UNIVERSITY

PRESENTS

LGMF

LAKSHMINARAYANA GLOBAL MUSIC FESTIVAL

09TH - 24TH JANUARY 7PM
30 YEARS OF GLOBAL MUSIC

STREAMING ON



WWW.LGMF.ORG

WWW.VUPUNE.AC.IN

VU **VISHWAKARMA UNIVERSITY**
Maximizing Human Potential

Vishwakarma University cordially invites you to attend Annual Fashion Show

|| VIRAA SAT ||
IT STARTS WITH US

Inspired by the rich tradition of Indian textiles, Viraasat is a fashion show showcasing a riveting line-up of designs by Vishwakarma University students.

In presence of
Chief Guest - Mr. Badal Saboo
CEO, World Fashion Week and Fashionpreneur

Date - Saturday, 23rd November 2019
Time - 5:00 pm onwards
Venue - Liberty Square, Phoenix Mall, Viman Nagar, Pune - 411014

Email : hod_fashion@vupune.ac.in | connect@vupune.ac.in
Contact Us : +91 9007002221, 8600993483, 9403838907 | www.vupune.ac.in





**SOCIAL
OUTREACH**

Bolki Anganwadi

Designing & Creating safe and quality learning spaces for children in India!!!

BOLKI ANGANWADI PROJECT is an initiative of ProCluster Business association (a techno-social non-profit organization operating from Pune) in collaboration with Design students and Professors of Vishwakarma University. A kinder-garden in quite underprivileged locality of Bhosari area hosted in a dense chawl where the four walls of the Anganwadi were as close to each other as could be. One could barely imagine the kids having their first learning experience and developing their interest in education.

Without leaps of imagination or dreaming we lose the excitement of possibility to create a better world, dreaming after all is a form of planning. This project was intended to change the situation there. The main objective was to recreate a learning experience and transform it into a quality learning space for the kids in a form of more colorful and lively graphical visualizations and supportive educational aids. Using educational toys and props to add joyfulness to the learning was also an important consideration.

The walls of the Anganwadi were painted over with lots of bright colours and it got a complete changeover with the concept of the 'Mini jungle'. Idea was to add graphics in such a way that the kids could learn about different colours, animals, alphabets, and numbers etc. referring to the graphics and figures painted on walls.

Passionate team of young design students all set to bring this change to life had a lot of fun to collaborate with local kids who participated in the making with a lot of enthusiasm and zeal. This project was completed in less than three days.

Lively and colorful environment in Anganwadi is now attracting children. Each morning the kids are looking forward to reach their fun place on time. The parents are feeling contented and encouraged to send their kids to the Anganwadi every day. Children says that they could have never imagined going to Anganwadi like this and study, now this is their favorite place to have fun and learn.

The project team believes that an ordinary person who is willing to change the world, becomes no more ordinary to the world. We are here to serve our nation and our locals, moreover, helping the needy is an act of good deed and it helps to build trust on masses.

A remarkable positive difference and happiness was seen among the kids and teachers. Teacher added "There is different perception now built about our Anganwadi, local people and parents are appreciating the change. Kids are loving it off course. Also, people are more supportive and willing to contribute further." Anganwadi Supervisor of the Bhosari area Mrs. Sunanda Dnyanoba Dhas-Hange Said "Looking at the positive impact of this project we feel that we should look at it as a model to scale and implement in other places too. It will add value to the student learning experience and increase no. of kids joining Anganwadies. "

Students, Rigil Roy, Siddharth Shreyans Shah, Vaishnavi Vikas Bhandari realized the project under the guidance of Prof. Santosh Khawale and Prof. Swathish Thiyagu, teacher of Anganwadi Mrs. Hema Sachin Bhondave and local team of enthusiastic kids came together to contribute to BOLKI ANGANWADI.

भोसरीत वंचितांच्या मुलांसाठी साकारली 'बोलकी अंगणवाडी'

भोसरी, प्रतिनिधी :

भोसरी परिसरातील आर्थिक दुर्बल व वंचित घटकातील विमुक्त्यांमध्ये शिक्षणाची आवड निर्माण व्हावी या उद्देशाने प्रोक्लस्टर बिझनेस असोसिएशन या संस्थेने विश्वकर्मा विद्यापीठाच्या सहकार्याने भोसरी परिसरात ४ भितीच्या छोट्या खानी खोलीत सुरू असलेल्या अंगणवाडीच्या कार्यापालट करून त्या ४ भितींना बोलके करण्याचा अनोखा उपक्रम राबविला आहे. लहान मुलांमधील शिक्षणाचा पहिला अनुभव सुंदर व्हावा शिक्षणाबद्दल त्यांची रुची वाढावी

हे डोक्यासमोर ठेवून या स्वयंसेवी संस्थेने त्यांच्या शिक्षणाचा अनुभव सुंदर बनविण्यासाठी या चार भितींवर लहान मुलांना आवडतील अशा रंगरंगवणीमध्ये झाडे, पाने, फुले, कार्टूनस, ग्राफिकल डिझाईन रंगवून दर्जेदार शैक्षणिक साहित्य खेळणी, या मुलांना उपलब्ध करून दिली आहे. या अंगणवाडीत आर्थिक दुर्बल गरजू मुले आनंदाने शिक्षण घेत असून बोलकी अंगणवाडी या नाविन्यपूर्ण उपक्रमांमुळे येथील बालाचरण बांगलेच बदलून गेले आहेत. या मुलांच्या पालकांकडूनही संस्थेचे कौतुक होत असून आर्थिक

दुर्बलांना अशी मुलांची साथ लाभल्यास सामान्य घटकातील मुलेही उत्तुंग कामगिरी करू शकतील व येत्या काळात अशा उपक्रमांचे सकारात्मक परिणाम पहाण्यास मिळेल असा विश्वास प्रोक्लस्टर बिझनेस असोसिएशनचे प्राध्यापक संतोष खवळे, प्राध्यापक स्वातीश व अंगणवाडी पर्यवेक्षिका सुनंदा धस, यांनी व्यक्त केला यथेच्छी अंगणवाडी सेविका हेमा भोंडवे, रिजिल रॉय, सिद्धार्थ शहा, वैष्णवी भंडारी, आदी बरोबर लहानग्यांचे पालक मोठ्या संख्येने उपस्थित होते.



भोसरी परिसरात वंचित घटकातील लहानग्या मुलांसाठी भोसरी प्रोक्लस्टर बिझनेस असोसिएशनच्या पुढाकाराने व विश्वकर्मा विद्यापीठाच्या सहयोगाने 'बोलकी अंगणवाडी' प्रकल्प सुरू करण्यात आला यावेळी उपस्थित संस्थेचे पदाधिकारी व सेवक.





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विश्वकर्मा विद्यापीठ व विज्ञाक्राफ्टमध्ये सामंजस्य करार

पुणे : विश्वकर्मा विद्यापीठाने मुळातच विज्ञाक्राफ्ट एनआयएमईसोबत सामंजस्य करार केला आहे. विद्यापीठाच्या कोंढवा कॅम्पसमध्ये शुक्रवारी पार पडलेल्या कार्यक्रमात सामंजस्य करारपत्र औपचारिक स्वाक्षरी करण्यात आली. या करारांतर्गत विद्यापीठामध्ये माध्यम, मनोरंजन आणि पर्यटनासंबंधीचे गुणवत्तापूर्ण अभ्यासक्रम सुरु केले जाणार आहेत.

इव्हेंट मॅनेजमेंट उद्योगाचे प्रगतेने अस्तानाच्या विज्ञाक्राफ्टने स्थापित केलेली विज्ञाक्राफ्ट एनआयएमई ही या क्षेत्रातील कौशल्य विकाससाठी अत्यायुक्त कार्यक्रम व्यवस्थापन संस्था आहे. केवळ शाळांच्या इव्हेंट मॅनेजमेंट उद्योगातील प्रतिभा वाढविले आणि कौशल्यपूर्ण मनुष्यबळ पुरविण्याच्या उद्देशाने हा करार केला गेला आहे.

या सामंजस्य करारातून रचवून झालेल्या सेंटर ऑफ एक्सलन्स फॉर मीडिया, इव्हेंट्स, एंटरटेनमेंट अँड टूरिझमच्या माध्यमातून डिप्लोमा, पदवी आणि पदव्युत्तर अभ्यासक्रम विद्यार्थ्यांना पूर्ण करता येणार आहेत. पहिल्या टप्प्यात विद्यार्थ्यांना पदवी आणि पदव्युत्तर स्तरावर इव्हेंट मॅनेजमेंटचे स्पेशलायझेशन स्पर्तांत्र डिप्लोमा प्रमाणपत्रासह पूर्ण करता येणार आहे.

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टॅड्सिटर

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विश्वकर्मा समूहने मुळातच विज्ञाक्राफ्ट एनआयएमईसोबत सामंजस्य करार केला आहे. विद्यापीठाच्या कोंढवा कॅम्पसमध्ये शुक्रवारी पार पडलेल्या कार्यक्रमात सामंजस्य करारपत्र औपचारिक स्वाक्षरी करण्यात आली. या करारांतर्गत विद्यापीठामध्ये माध्यम, मनोरंजन आणि पर्यटनासंबंधीचे गुणवत्तापूर्ण अभ्यासक्रम सुरु केले जाणार आहेत.

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विश्वकर्मा विद्यापीठाचे कुलसूत्र प्रा. (डॉ.) सिद्धार्थ जखरे यांनी तयार करायची भविष्याची कल्पना असून जखरे करताना सेंटर ऑफ एक्सलन्स फॉर मीडिया, इव्हेंट्स, एंटरटेनमेंट अँड टूरिझममधील तयार केले जाणारे अभ्यासक्रम हे विद्यार्थ्यांना व्याख्या करतानाच सकारात्मक पदवीने परिणाम करणारे आणि नवीन मूल्येची जोडणारे असावेत, असे सांगितले.

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Vishwakarma University's Unique Model of 'Industry on Campus Ecosystem' A Partnership with TCS iON

"Education is a natural process carried out by the student and is not acquired by listening to words, but by experiences in the environment" - Dr. Maria Montessori.

With this motto, Vishwakarma University has partnered with TCS iON to bring an 'Industry on Campus Eco-System' for offering a comprehensive Industry Honour Program (IHP). TCS iON IHP offers a series of industry-relevant courses, designed by industry experts. The courses focus on experiential learning that leads to project-ready human capital for the industry. TCS iON's learning platform offers digital learning resources such as videos, eBooks, etc. which are accessible from all devices to enable self-paced learning. The learning platform also includes features like communities and discussion rooms to enhance and encourage collaboration with co-learners and Subject Matter Experts (SMEs) from academia and industry. The industry assignments enabled through a virtual lab environment, facilitate hands-on experiences to improve practical knowledge. The practical knowledge of students is thoroughly tested through two Internships of 125 Hrs each, powered by TCS iON - Remote Internship, which can be completed from anywhere and at any time as these are location-independent internship opportunities. Vishwakarma University has integrated the Industry Honour Program (IHP) with the B.Sc. & M.Sc. (Computer Science, Statistics - Big Data Analytics) courses offered under the Faculty of Science & Technology. The IHP track consists of four courses and two summer/ winter internships. On successful completion of each course, students will be entitled to get the Verifiable Digital Certificate. On successful completion of the TCS iON Industry Honour Program, students will get visibility for job opportunities from the corporate recruiters that recognize the certificate. TCS iON will facilitate the placement process subject to vacancies in corporates and their selection criteria.

विश्वकर्मा विद्यापीठ : पदवीप्रदान समारंभ, प्रमुख पाहुणे : डॉ. भूषण पटवर्धन, उपस्थिती : प्रदीप भार्गवा : विश्वकर्मा युनिव्हर्सिटी, कोंढवा : स. ११

विश्वकर्मा विद्यापीठ व विज्ञक्राफ्टमध्ये सामंजस्य करार



पुणे : विश्वकर्मा विद्यापीठाने नुकताच विज्ञक्राफ्ट एमआयएमईसोबत सामंजस्य करार केला आहे. विद्यापीठाच्या कोंढवा कॅम्पसमध्ये शुक्रवारी पार पडलेल्या कार्यक्रमात सामंजस्य करारावर औपचारिक स्वाक्षरी करण्यात आली. या करारांतर्गत विद्यापीठामध्ये माध्यम, मनोरंजन आणि पर्यटनासंबंधीचे गुणवत्तापूर्ण अभ्यासक्रम सुरु केले जाणार आहेत.

इव्हेंट मॅनेजमेंट उद्योगाचे प्रणेते असणाऱ्या विज्ञक्राफ्टने स्थापित केलेली विज्ञक्राफ्ट एमआयएमई ही या क्षेत्रातील कौशल्य विकासासाठी अग्रगण्य कार्यक्रम व्यवस्थापन संस्था आहे. वेगवान वाढणाऱ्या इव्हेंट मॅनेजमेंट उद्योगातील प्रतिभा वाढविणे आणि कौशल्यपूर्ण मनुष्यबळ पुरविण्याच्या उद्देशाने हा करार केला गेला आहे.

या सामंजस्य करारातून स्थापन झालेल्या सेंटर ऑफ एक्सलन्स फॉर मीडिया, इव्हेंट्स, एंटरटेनमेंट अँड टूरिझमच्या माध्यमातून डिप्लोमा, पदवी आणि पदव्युत्तर अभ्यासक्रम विद्यार्थ्यांना पूर्ण करता येणार आहेत. पहिल्या टप्प्यात विद्यार्थ्यांना पदवी आणि पदव्युत्तर स्तरावर इव्हेंट मॅनेजमेंटचे स्पेशलायझेशन स्वतंत्र डिप्लोमा प्रमाणपत्रासह पूर्ण करता येणार आहे.

यावेळी आयोजित कार्यक्रमात बोलताना विज्ञक्राफ्ट एमआयएमईचे सहसंस्थापक आणि संचालक सब्बास जोसेफ म्हणाले, या करारामुळे नावीन्य वाढवेल आणि सर्जनशीलता निर्माण करणारे देशातील पहिले उत्कृष्ट प्रकारचे केंद्र तयार केले जाईल. या केंद्रामधून भविष्याची गरज पूर्ण करणारे आधुनिक विचारांचे उद्योजक तयार होतील. या केंद्रामधून आम्हाला नोकरी शोधणाऱ्यांपेक्षा नोकरीच्या संधी निर्माण करणाऱ्याची पिढी तयार करायची आहे.

विश्वकर्मा विद्यापीठाचे कुलगुरु प्रा. (डॉ.) सिद्धार्थ जबडे यांनी सदर कराराचा भविष्याची कल्पना असा उल्लेख करताना सेंटर ऑफ एक्सलन्स फॉर मीडिया, इव्हेंट्स, एंटरटेनमेंट अँड टूरिझमअंतर्गत तयार केले जाणारे अभ्यासक्रम हे विद्यार्थ्यांना त्यांच्या कारकिर्दीत सकारात्मक पद्धतीने परिणाम करणारे आणि नवीन मूल्यांशी जोडणारे असतील, असे सांगितले.

VU among top 200 global universities

TIMES NEWS NETWORK

Pune: City-based Vishwakarma University (VU) has featured among the top 200 world universities in the prestigious Times Higher Education (THE) Impact Rankings 2021 in the affordable and clean energy category.

The university has been placed in the band of 601-800 in the overall rankings across the participating universities and in the top 300 in access to clean water and sanitation parameter; a statement issued by the university said.

These rankings are the only global performance tables that assess universities against the United Nations' Sustainable Development Goals. Comparisons are in research, stewardship, outreach and teaching to decide the rank.

The 2021 Impact Rankings is the third edition and the ranking includes 1,117 universities from 94 countries.

"We have an eco-campus, collaborative centre with integrated environ-

mental services, WILO-VU water quality centre of excellence and an ecosystem to create a synergy between industry, students, faculty and stakeholders. These centres aim to provide a sustainable solution for real-life problems. We are playing our role to facilitate the government's target to achieve energy security, energy access and reduction of the carbon footprints," Bharat Agarwal, president of Vishwakarma University, said.

Vice-Chancellor Siddharth Jabade said they have strategically integrated the SDG mission in teaching-learning, student projects, internships and thoughtfully calibrated national and international collaborations.

"Students are sensitized to SDGs goals and they take it forward in lives. Our efforts are in consonance with India's commitments to reduce greenhouse emissions intensity and achieve high electric power capacity from non-fossil sources by 2030," he said.

14-day quarantine, isolation rooms & doctors in pvt varsities' hostels

Arifra Nair & Suresh Shinde Gole | TNN

UNIVERSITIES ARE MAKING ARRANGEMENTS

Pune: Many private or deemed universities have a plan to keep only one or two students per room in their hostels as colleges prepare to reopen.

Manoj Karad, executive president and vice-chancellor of MIT AIT University said

they will allow two students per room when the college and hostel reopens. There are over 16,000 students at MIT World Peace University and over 9,000 at MIT AIT university. But hostel facilities would be available for about 8% students.

"We will keep isolation rooms inside the hostel so that if any student shows symptoms such as a cough or fever he/she can be immediately moved to isolation and then to the hospital, if needed. Sanitisation of the hostel will be done regularly while masks will be compulsory all times for the students. Mess timings would be staggered and the place will be sanitised after every batch. For all

There will be doctors-on-call, isolation rooms in each hostel
Students' temperature will be regularly checked at every entry point
Students will be instructed to report any symptoms of illness to the hostel authorities
An increase in hostel fees
Students' temperature will be regularly checked at every entry point
Students will be instructed to report any symptoms of illness to the hostel authorities



"We have got permission from the district collector to call students of our MBA institutes to campus for their placement activities. We have written to the government to at least allow reopening of skill-based courses such as photography, culinary arts and courses that require practical work and others such as health sciences and biotechnology because they cannot be done using simulation software."

Vijay Venkatesh | PUNE, COCHIN, CHENNAI, BANGALORE

this, a 5-10% fee may increase," he said.

Vishwakarma University authorities said they will make the RT-PCR test compulsory for hostel students who a doctor-on-call facility will be available with an isolation room.

"The occupancy in the respective rooms will be reduced to not more than two students, respecting social distancing norms. The pantry, dining area will be sanitised before and after meals, and the seating arrangements will follow the norms of social distancing. The notices will take care that the students do not gather in numbers for any activity outside hostel premises. Students

will be monitored to get vaccinated whenever possible and report to the hostel. Outside visitors will be restricted and minimised. Else prior intimation will be necessary as well following of all norms. The use of masks will be made compulsory for all," Siddharth Jabade, vice-chancellor Vishwakarma University, said.

M M Sankar, vice-chancellor of Bharati Vasthushiksha deemed-to-be university, said they would follow all guidelines issued by the University Grants Commission. "We will follow the guidelines issued by the state government when a proposal for reopening of the institutions," Sankar said.

Vijay Venkatesh, principal director of Sivakami Social Services and the RT-PCR test facilities made compulsory. To keep bodies reaching the campus and once they reach, a 14-day quarantine is being mandated.

"Each campus has a doctor and staff. A centre and an administrator who monitor make that all Covid-19 protocols are followed. We have large process which can easily accommodate two students while maintaining all social distancing norms. The challenge would be to monitor students arriving outside the campus, but every thing, wearing masks and sanitisation would be strictly adhered to," Venkatesh said.



संकाक

विश्वकर्मा विद्यापीठाचा पदवीप्रदान समारंभ उत्साहात

पुणे, ता. १६ : "उत्कंठा विकसित होण्यासाठी कठोर परिश्रम घेणे आणि स्वतःला त्या विषयात खोलवर गुंतवून देणे महत्त्वाचे आहे. डिवाइन धिकिगवर आधारित विंगमटन विद्यापीठाच्या सहकार्याने विश्वकर्मा विद्यापीठ तंत्रज्ञानाच्या साहाय्याने समाज आणि जगाला समर्थता सोडविण्यासाठी प्रयत्न करेल." असा विश्वास स्टेट युनिव्हर्सिटी ऑफ न्यूयॉर्क, विंगमटन विद्यापीठाचे अध्यक्ष प्राध्यापक डॉ. हॉबे स्टेनार

यांनी व्यक्त केला. विश्वकर्मा विद्यापीठाचा दुसरा पदवीप्रदान सोहळा नुकताच न्हवऱ्यांकर पध्दतीने झाला. विद्यापीठाच्या या समारंभात डॉ. स्टेनार, पराडा चेंबर ऑफ कॉमर्स इंटरस्ट्रीज अँड अग्रिकल्चरचे अध्यक्ष सुधीर मेहता, विद्यापीठाचे अध्यक्ष भरत अप्पवाल उपस्थित होते. विद्यापीठाचे कुलगुरू डॉ. सिद्धार्थ जगडे यांनी विद्यापीठाच्या वर्षभरातील कामगिरीचा अहवाल सादर केला.

Pune, Main 19/07/2021 Page No. 2

अवतीभवती

आरोग्य कर्मचाऱ्यांप्रती संगीतमय कृतज्ञता

पुणे : विश्वकर्मा खासगी विद्यापीठाकडून कोरोना काळात सेवा पुरविणाऱ्या आरोग्य कर्मचाऱ्यांप्रती संगीतमय कृतज्ञता व्यक्त केली आहे. "शुक्रिया" या कृतज्ञता व्यक्त करणाऱ्या गाय्याचे अनावरण नुकतेच ऑनलाइन कार्यक्रमाद्वारे झाले. विद्यापीठाचे अध्यक्ष भरत अप्पवाल, सन्नास जोसेफ, डॉ. धनंजय केळकर, डॉ. संजय अगववाल, डॉ. वामुदेव गाडे, कुलगुरू डॉ. सिद्धार्थ जगडे आदी मान्यवर उपस्थित होते.

CIJ Young Indians, Yruva Pune organise session on 'How to start a business'

PUNE: CIJ Young Indians and Yruva Pune have organised a session with Swasthy Rohit, founder and CEO of Health Basis, a pediatric healthcare platform on the topic "How to start a business", on June 5 at 3pm.

Health Basis is a platform that helps parents use an app to maintain a child's health record, book a doctor's or hospital appointment, and consult doctors virtually. Rohit is also the chief operating officer of SNI Sons Trust, director of Coimbatore Polytex and past chair of FICCI Ladies Organisation - Coimbatore chapter.

Bhau Institute's webinar on design driven innovation

PUNE: CIJ's Bhau Institute of Innovation, East sponsorship and Leadership, supported by the Department of Science and Technology (DST), is organising a webinar on "Design Driven Innovation for Start-ups" on June 11 (Friday), 3pm to 4pm. Harshit Desai, director at MIT ID Innovation, will be the speaker. Desai will cover topics like fundamentals of design, incremental and radical innovation and how design can contribute to a startup, followed by a question-answer session. Interested candidates can register on <https://bit.ly/3v9d222>

Kylas launches SMB upskilling programme

PUNE: Kylas, a startup looking to empower rural and mid-size businesses (SMB) in the country with high-quality digital technologies, has launched an SMB upskilling program, aiming to educate, enable and advise growing businesses about their digital transforms that

readmap and operations. Ketan Saloni, CEO and founder, Kylas, said, "While large enterprises have resources and wherewithal to undergo rapid digital transformation, SMBs face various challenges such as lack of accessibility to technology, cost constraints and shortage of talent with relevant digital skills. To bridge this gap and to help SMBs to digitise their end-to-end customer journey, we are running this programme."

Fukrum Digital to hire 750 digital-tech specialists

PUNE: Fukrum Digital has announced plans to hire 750 digital technology specialists this year, a 100 per cent increase in hiring over last year. These will be lateral positions ranging from program managers, technical architects, and data engineers to full-stack developers. The hiring plans are backed by the continuing growth of large-scale digital transformation programs with global customers, and rapid expansion of new customers and geography. The focus on continuously expanding digital talent and technology capabilities in India comes as part of the company's broader goal to build a strong foundation for its global delivery centres in India, the US, the UK, Argentina, Brazil, and Portugal. Aiming for 2023 will be in India. With over 750 employees, India is the talent hub for the New Jersey-based company.

WintWealth launches WintBricks

PUNE: Wint Wealth, a Zerofee-backed alternate debt asset platform, has launched Wint Bricks, a business loan backed by property, are made available for investments for retail investors. The platform has lent up to ₹100 lakh capital, an NBP with a credit rating of A, that focuses on addressing the capital needs of small businesses. Wint Bricks claims to be a covered bond asset that provides more recourse over the investment, i.e., if an NBP were to go bankrupt, investors are shielded through diversification. Vishwakarma University makes Impact Rankings' list PUNE: Para's Vishwakarma University (VU) has featured in the Times Higher Education Impact Rankings for 2021, listed among the top 200 universities in the world in the "Affordable and Clean Energy" category. Vishwakarma University has been placed in the 601-800 overall ranking band and in the top 300 on the "Access to Clean Water and Sanitation" parameter, the university studied in a press release. "We have a collaborative culture with an ecosystem to create a synergy between industry, academia, faculty and stakeholders," said Brahm Agarwal, varsity president.

विश्वकर्मा विद्यापीठाचा मानांकन; एआयसीटीई आणि सीआयआयद्वारे गौरव

विश्वकर्मा विद्यापीठाचा मानांकन; एआयसीटीई आणि सीआयआयद्वारे गौरव. विश्वकर्मा विद्यापीठाचा मानांकन; एआयसीटीई आणि सीआयआयद्वारे गौरव. विश्वकर्मा विद्यापीठाचा मानांकन; एआयसीटीई आणि सीआयआयद्वारे गौरव.

VISHWAKARMA GROUP For students' bright future

ADVERTORIAL



HE envisioned a school that has a huge impact on the lives of the students. The school was started in 1983. It has since then been expanding its horizons and is now a leading educational institution in the region. The school has a long history of excellence in education and has been a pioneer in many fields. The school has a strong focus on character building and has produced many successful graduates. The school has a strong focus on sports and has produced many successful athletes. The school has a strong focus on arts and has produced many successful artists. The school has a strong focus on leadership and has produced many successful leaders.

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विद्यार्थी, शिक्षण संकुलांचे असामाजिक तत्वांपासून रक्षण करण्याची गरज

लोकसत्ता प्रतिनिधी

युजीसीचे उपाध्यक्ष डॉ. भूषण पटवर्धन यांचे मत

पुणे : 'विद्यार्थ्यांचे विद्यापीठात शिक्षणापेक्षा, आर्थिक उन्नयन करीत अर्थ पटवर्धनांच्या अर्थीय पेशात पाहिले. राजकीय विचारधारा, राजकीय पक्षांसाठी विद्यापीठाची रूपभूमी केवळ जाळ नये. आपण अशाच्या विद्यार्थ्यांचे उच्च शैक्षणिक संकुलांचे असामाजिक तत्वांपासून रक्षण करण्याची आवश्यकता आहे.' असे मत विद्यापीठ अनुदान आयोगचे (युजीसी) उपाध्यक्ष डॉ. भूषण पटवर्धन यांनी मुंबईत बोलले.

विश्वकर्मा विद्यापीठाच्या जीवनात पटवर्धन समारंभ डॉ. पटवर्धन

कोलत होते. महाराष्ट्र येथर जीव कोसल अड इतरदीकचे अर्थीय प्रदीय धारांचे, विद्यापीठाचे अर्थीय धरत आवाघाल, कुलसूक्त डॉ. सिद्धार्थ जवडे, विरचलत राजकुमार अमरघाल अर्थीय या वेळी उपस्थित होते.

सभ्या मुक्त असलेल्या वाटांच्या धारधरणीकर डॉ. पटवर्धन म्हणाले, 'विद्यापीठे आणि शैक्षणिक संकुलांचा वापर उन्नयने मीटर म्हणून केला पाहिजे. गुणवत्तांना शिक्षणूत्ते. शैक्षणिक गुणवत्तांसाठी काम करणाऱ्या गरज आहे. शिक्षणाचा

वापर पाहिलेला अर्थीय इतरदीकसाठी प्रालत पाहिले. सभ्यांनी राजकारणांचे फळीय समर्थक न होता उन्नयन दर्थीय उन्नयनशिक्षण पेन्नाकडे लक्ष दिले पाहिजे. शिक्षकांनीही विद्यार्थ्यांसमोर अदर्शन निर्माण करणारा विद्यार्थी हिंस्रपट्टून दूर करे साहलीय याकडे लक्ष देण्याची गरज आहे.'

'आज जगत तरुणांसाठी शैक्षणिकांचा अनेक संशोधन त्या संशोधन करणाऱ्यांसाठी तरुणांनी प्रदान करणाऱ्या गरज आहे.' असे धारांचे लक्षे मंगलले.

'विश्वकर्मा'ला मानांकन

अखिल भारतीय तंत्रशिक्षण परिषद (एआयसीटीई) आणि भारतीय उद्योग परिसंघाच्या (सीआयआय) नवव्या उत्कृष्ट उद्योग निगडित तंत्रशिक्षण संस्था सर्वेक्षणाचा निकाल नुकताच जाहीर झाला. यात पुण्यातील विश्वकर्मा विद्यापीठाच्या व्यवस्थापन विभागाला उद्योग निगडित तंत्रशिक्षण संस्थांच्या गटात प्लॅटिनम मानांकन मिळाले. हा निकाल शिक्षणमंत्री रमेश पोखरिया निशंक यांच्या उपस्थितीत जाहीर झाला. या वेळी प्रा. डॉ. अनिल सहस्रबुद्धे, संचालक डॉ. बीव्हीआर मोहन रेड्डी उपस्थित होते. या मानांकनामुळे अखिल भारतीय पातळीवरच्या पहिल्या दोन उदयोन्मुख बी-स्कूलमध्ये विद्यापीठाचा समावेश झाला.

1012000 VISHWAKARMA UNIVERSITY: DRIVING ACADEMIC EXCELLENCE THROUGH INNOVATIVE RESEARCH AND GLOBAL FOCUS



Shared from the 10/9/2020 The Times Of India - Pune edition

VISHWAKARMA UNIVERSITY: DRIVING ACADEMIC EXCELLENCE THROUGH INNOVATIVE RESEARCH AND GLOBAL FOCUS

With a spectrum of courses to choose from, state-of-the-art centres of excellence, extensive international collaborations, and distinguished faculty, Vishwakarma University (VU), Pune has emerged as one of the finest institutions of higher education in Western India.

UG AND PG PROGRAMMES

VU offers more than 40 programmes across disciplines - Art and Design, Architecture, Commerce and Management, Interdisciplinary Studies, Humanities and Social Sciences, Journalism and Mass Communication, Law, Pharmacy, Science and Technology. The university ensures that the students of B.Des. B.Tech (Computer Engineering, Mechanical Engineering and Artificial Intelligence and Data Science) and M.B.A. (AICTE approved), B.Arch. (CoA approved), B. Pharm (PCO approved), LLB (Bar Council Approved) and students of all the other courses, enter the workforce as skilled, confident, and well-groomed professionals. To this end, all the courses at Vishwakarma University are designed to effectively blend theory with hands-on experience and exposure to the industry.

RECOGNITIONS AND RANKINGS

Vishwakarma University's untiring endeavour to achieve academic excellence has been validated by the numerous awards and rankings. In 2020, VU successfully made it to the latest world ranking list of U-Multirank. Competing with 1759 participants from 92 countries, VU scored high on indicators such as - student internships, student to faculty ratio, student engagement, teaching-learning, etc.

The University won the Emerging University of the Year award in Western India at the ASSOCHAM's 13th Higher Education, SME and Livelihood Conclave 2020.

INDUSTRY CONNECT

The University has a dedicated placement cell that ensures students' career development through systematic efforts like - Campus Recruitment Programmes, Industry Internships Programmes, and industry on-campus initiative, Batch Profiling & Career Counselling sessions.

DYNAMIC GLOBAL ENVIRONMENT

VU has collaborated with several renowned international universities including Hof University of Applied Sciences, Germany, KIST, South Korea, Kasetsart University, Thailand. These collaborations facilitate research projects, international internships, and a dynamic exchange of students and faculty, allowing them to gain a global perspective.

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THE TIMES OF INDIA

Vishwakarma University organised competition for BSc statistics students

THI | Feb 3, 2020, 09:07 AM IST



PUNE: Vishwakarma University's department of statistics, under the faculty of science and technology successfully organised 'Sankhyakriti', a national level competition for Bachelor of Science (statistics) students at its Kondhwa campus.

The event comprising of various competitions received an enthusiastic response from more than 162 participants across the country. Nazia Wahid, head of department of statistics, said that the event helped to create awareness about the importance of statistics among the student community. Wasudeo Gade, vice- president VU, informed that the university had become a member of National Institution for Quality and Reliability (NIQR), Chennai.

A total of 29 teams participated in the project competition for the third year, 17 teams came up with innovative ideas in the poster competition for the second year and 21 teams fought it out for the first year quiz competition.

Chief guest Alok Kumar, joint director, union Ministry of Statistics and Programme Implementation underscored the fact that fortune is not a dependable factor and one should try and be different from others.

Guest of honour Pulak Guhathakurta, scientist, India Meteorological Department, Pune, took all on a brief and interesting tour of the history of Indian statistics, the dynamics of weather forecasting and interpreting climate data for a safe future among other topics such as rainfall prediction and draught analysis.

An expert session was conducted towards the end of the event by industry stalwart Ms. Preeti Pandhu, Founder and Director of Data Science Lab, on how data science is related to everyday life.

<https://timesofindia.indiatimes.com/education/news/vishwakarma-university-organised-competition-for-bsc-statistics-students/articleshow/73889188.cms>

1/2

For more details Contact: VISHWAKARMA UNIVERSITY Survey No. 2, 4 Laxmi Nagar, Kondhwa Budhrol, Pune - 411 048, Maharashtra, India.

Ph : 90670 022 23 / 24 / 25 Website: <https://www.vupune.ac.in/> Email id: admission@vupune.ac.in



Shared from the 10/01/2020 The Times Of India - Pune edition

| TIMES TOP INSTITUTES MBA, BBA, ENGINEERING RANKINGS | |
|--|-----------|
| TOP PRIVATE ENGINEERING INSTITUTE RANKINGS ZONE (WEST ZONE) | |
| NAME OF COLLEGE | RANK 2020 |
| AI Institute of Engineering, Mumbai | 1 |
| Mit World Peace University Faculty of Engineering and Technology, Pune | 2 |
| Wardhaji Waghmare Institute of Engineering and Technology, Pune | 3 |
| Vishwakarma Institute of Technology, Pune | 4 |
| Pragati Education Trust College of Engineering, Pune | 5 |
| Green Park Institute of Engineering, Mumbai | 6 |
| Wipro Institute of Engineering and Technology, Pune | 7 |
| Indira College of Engineering and Technology, Pune | 8 |
| Green Park Institute of Engineering and Technology, Pune | 9 |
| Wipro Institute of Engineering and Technology, Pune | 10 |
| Wipro Institute of Engineering and Technology, Pune | 11 |
| Wipro Institute of Engineering and Technology, Pune | 12 |
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| Wipro Institute of Engineering and Technology, Pune | 20 |
| Wipro Institute of Engineering and Technology, Pune | 21 |
| Wipro Institute of Engineering and Technology, Pune | 22 |
| EMERGING ENGINEERING INSTITUTES | |
| NAME OF COLLEGE | RANK 2020 |
| Wipro Institute of Engineering and Technology, Pune | 1 |
| Wipro Institute of Engineering and Technology, Pune | 2 |
| Wipro Institute of Engineering and Technology, Pune | 3 |
| Wipro Institute of Engineering and Technology, Pune | 4 |
| Wipro Institute of Engineering and Technology, Pune | 5 |
| BBA PRIVATE INSTITUTES | |
| NAME | RANK 2020 |
| Wipro Institute of Management, Pune | 1 |
| Wipro Institute of Management, Pune | 2 |
| Wipro Institute of Management, Pune | 3 |
| Wipro Institute of Management, Pune | 4 |
| Wipro Institute of Management, Pune | 5 |
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| Wipro Institute of Management, Pune | 7 |
| Wipro Institute of Management, Pune | 8 |
| Wipro Institute of Management, Pune | 9 |
| Wipro Institute of Management, Pune | 10 |
| Wipro Institute of Management, Pune | 11 |
| Wipro Institute of Management, Pune | 12 |
| BBA PRIVATE UNIVERSITY | |
| NAME | RANK 2020 |
| Wipro Institute of Management, Pune | 1 |
| Wipro Institute of Management, Pune | 2 |
| Wipro Institute of Management, Pune | 3 |
| BBA EMERGING | |
| NAME | RANK |
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| Wipro Institute of Management, Pune | 2 |
| Wipro Institute of Management, Pune | 3 |
| Wipro Institute of Management, Pune | 4 |
| B SCHOOL PRIVATE INC | |
| INSTITUTE NAME | RANK 2020 |
| Wipro Institute of Management, Pune | 1 |
| Wipro Institute of Management, Pune | 2 |
| Wipro Institute of Management, Pune | 3 |
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| Wipro Institute of Management, Pune | 100 |



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PROJECTS

Consultancies

Soft Skills Training conducted by the Faculty of Commerce and Management

Client: Ranka Jewelers

Faculty of Commerce & Management delivered 76 hours training programme to staff of leading Jewelers, Ranka Jewellers. The objective of the training was to develop customer service orientation amongst the employees. The training was spread over 8 months and involved over 150 employees of Ranka Jewelers. Please find below the details.

OVERVIEW

Goal: Customer Service Orientation

Branches: Karve Road, Hadapsar, Baner and Satara Road

Training Venue: Ranka Jewellers, Satara Road Branch and Karve Road Branch

Total Training hours: 76 hours

One Day Management Development Program

Client: Riskpro Management Consulting Private Limited

A One-day training programme was completed by the faculty of Commerce and Management. 10 employees of Riskpro were trained in five modules. The training was delivered using case study method, presentation method and role play method. The training was held on the University campus. Three faculty members trained the employees in developing effective communication skills, time management, conflict management, team building and motivation. The essentials of delegation and coordination was also one of the modules delivered. The participants were participative and benefited from the training.



Music Intervention Project in Collaboration with The School of Music and Department of Psychology, Vishwakarma University.

Two studies are present in the project which has been named “Antarnaad”. For developing the music intervention, a preliminary survey was taken from students on their music preferences. The tunes were also validated by Dr. Enrique Camara & Dr. Alicia Peñalba from University of Valladolid, Spain to find similar world music pieces to the preferred music pieces of the candidates. This was done in order to gauge the effect of music engagement on the candidates and to understand the response of the candidates when they are guided on how to listen and appreciate different but slightly similar sounding music pieces and styles to their preferred music. After the final validation from the Music experts, the intervention was done during the Covid period and study 1 and study 2 were conducted in this period.

The study 1 measured the gender differences in Coping Strategies when it came to adolescents and their music engagement. In study 2, we tried to find whether the music intervention can enhance particular skills as per the Multiple Intelligence (Gardner, 1983). Through this project, the aim is to make “Antarnaad” a patented tool which will be integrated in the curriculum and also help the children tap into their unexplored abilities.

Wadia Hospital Research- Prof. Pise developed a machine learning (DCNN) model for automatic and accurate classification of vector mosquitos at the genera / species level based on the images. The system provides a mechanism for government and health-care services to implement effective vector control strategies and respond to epidemic outbreaks in a timely fashion with the Wadia Hospital Research.

Project on “ **Prognosis of COVID-19 patients using ML algorithms**” The project was to develop ML models to predict the prognosis of COVID patients based on the patients’ clinical parameters.

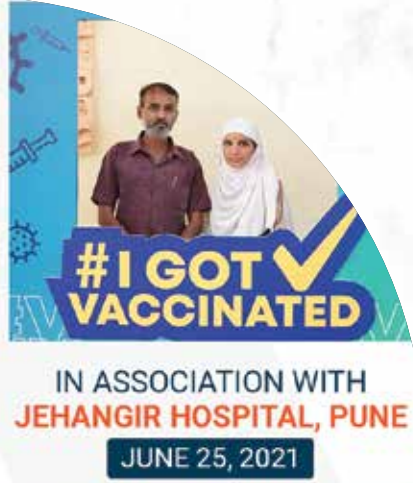


Consultancy for Center for Police Research, Maharashtra- Overview of Forensic Audit and Role of Forensic Audit in Police Investigation

| | | |
|---|------|-----------------|
| Employee Satisfaction Survey | SAP | Student Project |
| Display of Wrong & Good Practices in Canteen | SAP | Student Project |
| HR incident Report Management System | SAP | Student Project |
| Market Potential Study for maintenance of water pumping systems | Wilo | Student Project |

| Sr. No. | Project Title | Industry/ Institute Name | Nature of Collaboration (Student Project/ internship/ research project/ consultancy etc. | No.of Students/ Faculties involved |
|---------|---|---------------------------------|--|--|
| 1. | Campaign for Awareness of cybercrime involving children | QuickHeal IT Security, Pune | Student Project | Advertising batch of Final Year Students |
| 2. | Campaign for a Beauty Pageant | DigiRoster Digital Agency, Pune | Student Project | Advertising batch of Final Year Students |
| 3. | Development of Biosensors | Robonic Pharma Pvt. Ltd. | Research Project | 01 faculty |
| 4. | COVID progression prediction app- Android based | Jahangir Hospital, Pune | Research Project | 08 faculties |
| 5. | Healthcare facility dictionary android app | JT foundation | Research Project | 03 faculties |
| 6. | Vertical Sewage Treatment Plant | Wilo | Industry Funded Research Project | |
| 7. | Boondiram Project | Wilo | Industry Funded Research Project | |

**The
Vishwakarma
Vaccination
Drive**



**COVID
RESPONSE**

VU Vaccination Drive

A taskforce is formed under the leadership of Dean Pharmacy. The university management enabled clearance for faculty members as frontline workers and a free of cost vaccination drive was arranged for entire staff on 27th and 30th March 2021 (Confirm dates). Taskforce team tracked each vaccinated member for post vaccination symptoms and assistance and counselling was provided to symptomatic individuals.

The vaccination moto was

**‘V for Vaccination,
V for Victory
V for Vishwakarma University!’**



VU intermediate opening

After the notification from state government on campus re-opening with 50% of staff capacity in the month of February 2021, VU equipped itself with all the prescribed guidelines. The buildings were deep cleaned and sanitized, entrances were marked with social distancing indications. Adequate sanitization devices and personal protective gears were made available. Entry protocol with thermal check, hand sanitization and SpO2 check was implemented. Ambulance facility was provided in case of emergency on the campus. Students' willingness to join offline classes, on-campus were reviewed through a Google form survey in addition to form of consent to be signed by the parents.

VU Digital Course for COVID

A novel initiative for pandemic literacy was launched under our VU-Digital e-learning portal in the form of a course. This course consisted of COVID-19 Background, Origin zoonotic viruses such as COVID-19, Infection Prevention and Control, Investigation & Monitoring, Covid -19 Diagnosis and its Management, Stabilization and Recovery, Covid 19 Operations Planning, Risk Communication and Public Health, Vishwakarma University Support for Covid Care and Recovery, Course Assessment & Certification

COVID – 19 Support Group

Faculty members in various localities were identified for the support team under the leadership of Dean Pharmacy. Diurnal review of every affected staff member was taken by the team. Food supply, immediate financial support in case of hospitalization and any other support required was provided.

Covid-19 Design & Innovation Challenge

Project Title: Development of Informative video during COVID

Department: Department of Water, Sanitation and Hygiene

Duration: 16 June 2020 to 11 July 2020

Number of Students involved: 5

Number of Faculty involved: 5 (2 faculties from art and Design)



VISHWAKARMA
UNIVERSITY

School of Music
&

Dept. of Journalism & Mass Communication

presents

शुक्रिया

A musical tribute
to the healthcare fraternity.



Campus Safety Initiatives



Covid Awareness - Digital Courses

'Covid 19 Facts, Awareness, Response, and Containment Measures.' It is to strengthen the capacity to respond rapidly and efficiently to the threat of COVID-19. The course with duration 1.5 hours, will be launched on 15th April 2021 and free for all VU students and faculties through VOLP platform.

Courses Include :

- Covid-19 Background
- Infection Prevention and Control
- Covid-19 Diagnosis and its Management
- Covid-19 Operations Planning
- Risk Communication and Public Health Communication
- Origins Covid-19
- Investigation & Surveillance
- Stabilization and Recovery
- Course Assessment & Certification
- Vishwakarma University Support for Covid Care and Recovery

VU- ISO 27001

Implementation of ISO-27001 Standard that includes 14 Domains with 114 security Controls



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