VU

VISHWAKARMA
UNIVERSITY
Maximising Human Potential

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

ANNUAL
REPORT 2018-19

VISHWAKARMA UNIVERSITY

Maximising Human Potential

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Annual Report 2018 - 19

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

Annual Report Committee

Prof. Dr. Siddharth Jabade	Patron
Prof. Avadhut Atre	Editor
Prof. Dr. Kedar Sant	Member
Prof. Dr. Yuvraj Lahoti	Member
Prof Dr. Chetan Kapadnis	Member
Prof. Amol Randive	Member
Prof. Sandip Kulkarni	Member
Mr. Ajay Shigwan	Member
Mr. Sandip Bhartakke	Member

Maximising Human Potential

TABLE OF
CONTENTS

01

MASSAGE FROM
THE DESK

Mr. Bharat Agarwal
President

To say Education is important is an understatement. Education is a vehicle to transform one's life. Education is a journey of inquiry, learning, and maximizing the human potential that has positive implications for the world's most pressing problems. True enduction imparts ethics, moral and social values in every student. Sound and quality education is the backbone of social and economic growth. As it is believed that the well being of the people enhances society and makes society flourish and collectively it supports a nation to flourish.

MASSAGE FROM
VICE-PRESIDENT

Prof. (Dr.) Wasudev Gade
Vice President

Education system has probably changed rapidly due to the advanced technologies that are accepted and adopted by the students, professors and parents. We, as an educational institute, have an immense responsibility towards society. An educational institution aims at teaching students to analyze life and its true meaning. Education should give wings to the ideas and aspirations of the students to be able to start independent successful ventures. This can be achieved only if students are exposed to programs that are research intensive, and underpinned by cutting edge innovation as well as social relevance. In its truest sense, education is an ecosystem that helps students follow their natural curiosity and unravel their own unique career paths.

Prof. (Dr.) Siddharth Jabade
Vice-Chancellor

We are living in a fast changing world, a transforming society, progressing at a hasty speed. The impact of science, scientific research, and technological development on our daily life is vibrant and well desired. A large Indian population is making inroads into higher education every year. Since there are only a few public institutions, 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 transdisciplinary learning experience.

02

VISION, MISSION & VALUE

Vision, Mission and Value Statement

Vision

To co-create human, intellectual and socio-economic capital par excellence, for the nation and the globe.

Mission

To emerge as a Global Knowledge Enterprise in the Asia Pacific Region.

Values

Nurturing Talent

Pursuing Excellence

Career Architect

Ethics & Social Responsibility

Innovative Outlook

Freedom of Expression

Contemporary Pedagogy Cultural, Ideological & Intellectual Diversity

Sustainable Growth Transparency & Accountability

Collaborative Approach

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).

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 endeavors.

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

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

Vishwakarma Institute of Information Technology (VIIT), Pune

Vishwakarma Vidyalaya (VV), Pune

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

Vishwakarma Institute of Technology (VIT), Pune

Wisdom World School (WWS) Hadapsar & Wakad, Pune

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

Vishwakarma Commerce & Science College (VCSC), Kolhapur

04

VU ORGANIZATIONAL
STRUCTURE

VU

President

Vice-President

Vice-Chancellor

Registrar

Controller of Examinations

Chief Finance & Accounts Officer

Dean
- 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 Science & Technology

Director

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

Center of Excellence
Center for Industry 4.0
Center of Excellence for Energy and Sustainability
Water Quality Centre of Excellence

Chief Digital & Chief Information Security Officer (CDO & CISO)
- Systems Department
- ERP Section
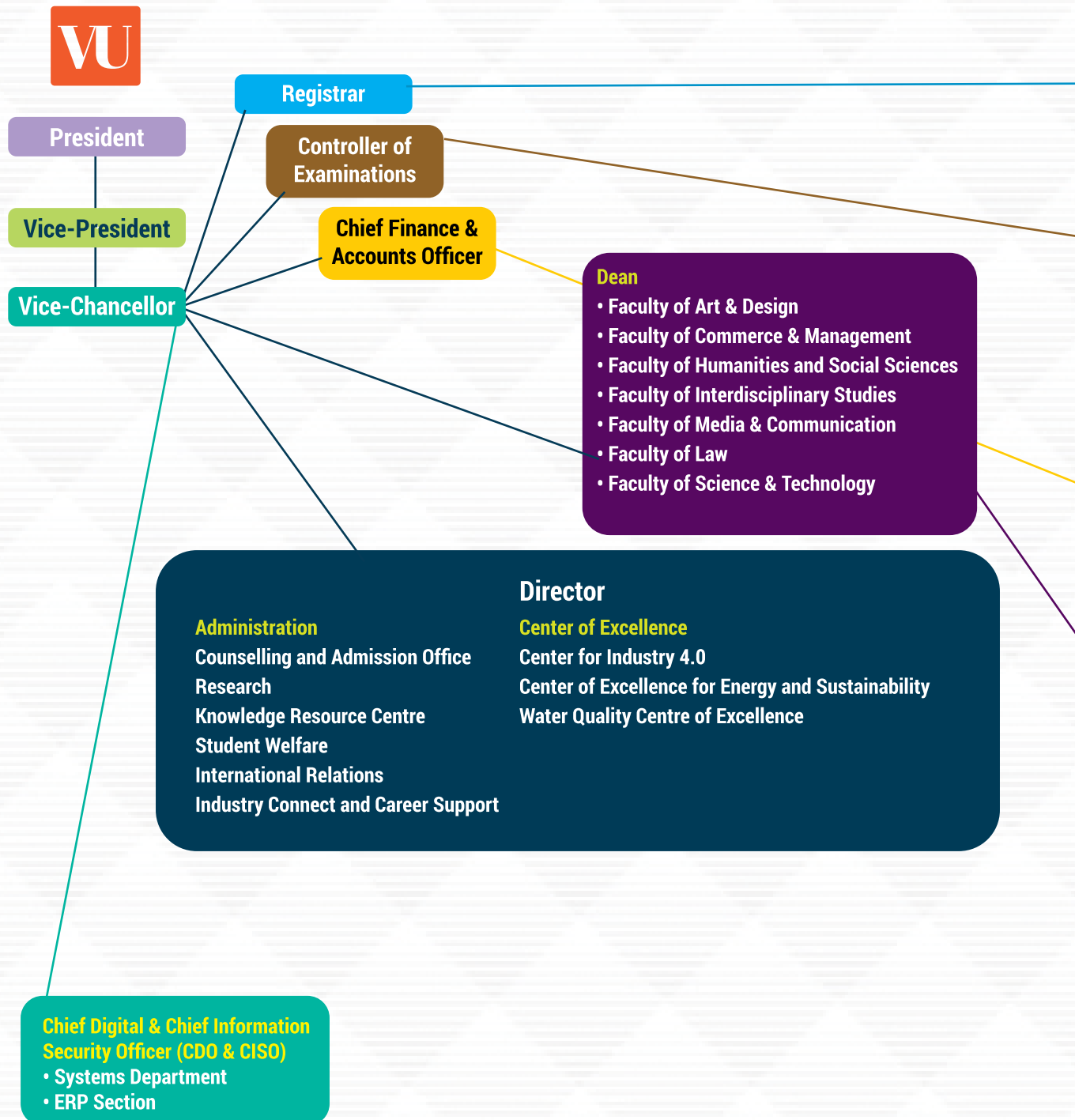
Deputy Registrar
• Administration
• Establishment
• Public Relation Office
• Records & Meetings
• Campus Management
• Student Facilitation Centre

• 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 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 Integrated Education
• School of Journalism & Mass Communication
• School of Communication Studies
• School of Law & Governance
• School of Engineering & Technology
• School of Basic & Quantitative Sciences
• School of Applied Sciences

Head of Department
• Department of Fashion
• Department of Animation
• Department of Interior Spaces
• Department of Design
• Department of Management
• Department of Commerce
• Department of Psychology
• Department of Economic Science
• Department of Travel and Tourism
• Department of Professional Studies
• Department of Journalism & Mass Communication
• Department of Law
• Department of Mechanical Engineering
• Department of Computer Engineering
• Department of Statistics & Mathematics
• Department of Computer Science

Faculty Member

Officers of the University

Sr. No.	Name of Deans	Post	Faculty
1	Dr.Wasudev Namdeo Gade	Vice President	Vishwakarma University
2	Dr. Siddharth Kantilal Jabade	Vice Chancellor	Vishwakarma University
3	Dr. Kedar Damodar Sant	Registrar	Vishwakarma University
4	Dr. Yuvraj Lalitkishor Lahoti	COE	Vishwakarma University
5	Dr. Kailas Raosaheb Patil	CDO	Vishwakarma University
6	Dr.Sheetal Deepak Naik	Director	Knowledge Resource Centre, VU
7	Dr. Umesh Bhaskar Patwardhan	Additional charge of Director	Admissions, VU
8	Dr. Sunil Dhondopant Doke	Director	Research, VU
9	Dr.Chetan Vasantrao Kapadnis	Director	Centre for Professional excellence in engineering
10	Dr.Chetan Vasantrao Kapadnis	Deputy Director	Admissions, VU
11	Prof. Amol Dattatray Randive	Head - Industry Connect, Training & placement	Vishwakarma University
12	Dr. Yogesh Dattatray Deshpande	Director	Centre for e - Learning and Industry 4.0, VU
13	Dr. Kailas Raosaheb Patil	Chief Information Security Officer (CISO)	ISO27001 process, VU
14	Dr. Kailas Raosaheb Patil	Director	EcoCampus, VU
15	Dr. Kailas Raosaheb Patil	Director	SAP i360 Innovation Center, VU
16	Dr. Shraddha Khampariya	Deputy Director,	Water Quality Centre of Excellence, VU
17	Dr. Kailas Raosaheb Patil	Director	International Relations, VU
18	Prof. Amol Dattatray Randive	Head - Industry Connect, Training & placement	Vishwakarma University, VU

Deans of the University

Sr. No.	Name of Deans	Post	Faculty
1	Dr. Avadhut Murari Atre	Dean	Faculty of Art & Design (A&D)
2	Dr. Umesh Bhaskar Patwardhan	Incharge - Dean / Dean	Faculty of Commerce & Management (CM)
3	Dr. Avadhut Murari Atre	Incharge - Dean	Faculty of Journalism, Media & Communication
4	Dr. Milind Vasantrao Kulkarni	In-charge Dean	Faculty of Science & Technology (S&T)
5	Ms. Sarika Janardhan Sagar	Incharge - Dean	Faculty of Law
6	Dr. Umesh Bhaskar Patwardhan	Incharge - Dean	Faculty of Humanities and Social Sciences (HSS)
7	Dr. Sunil Dhondopant Doke	Dean	Faculty of Inter Disciplinary Studies (IDS)
8	Dr. Dipmala Sachin Patil	Incharge - Dean	Faculty of Pharmacy
9	Ar. Nalini Nandraj Naik Nimbalkar	Dean	Faculty of Architecture

HOD's of the University

Sr. No.	Faculty	Name of the Department	Name of the Appointed Faculty Members
1	Art & Design	Department of Fashion Design	Mrs. Reena Sanjay Pandey
2	Science & Technology	Department of Engineering Science	Mrs. Maya Mahesh Kurulekar
3	Science & Technology	Department of Statistics	Dr. Nazia Wahid
4	Science & Technology	Department of Mathematics	Dr. Jagadish Vaijinatrao Tawade
5	Humanities and Social Science	Department of Library Science	Dr. Sheetal Deepak Naik
6	Interdisciplinary Sciences	Department of Travel & Tourism	Ms. Aarti Ajay Suryawanshi
7	Law	Department of Law	Ms. Sarika Sagar
8	Art & Design	Department of Product Design	Mr. Nishant Kamboj
9	Science & Technology	Department of Computer Engineering	Mr. Noshir Zal Tarapore
10	Journalism, Media & Communication	Department of Journalism & Mass Communication	Mr. Vaibhav Madhukar Thakare
11	Humanities and Social Science	Department of Psychology	Ms. Jiyaa Pankaj Khatri
12	Interdisciplinary Sciences	Department of Professional Studies	Dr. Radhakrishna Bhaskar Batule
13	Interdisciplinary Sciences	Department of Vocational Studies	Dr. Radhakrishna Bhaskar Batule
14	Science & Technology	Department of Mechanical Engineering	Mr. Pranav Shriniwas Dhaneshwar
15	Commerce & Management	Department of Business Administration	Dr. Jayashree Nitin Vispute
16	Science & Technology	Department of Computer Science	Dr. Prasad Kishor Gokhale
17	Humanities and Social Science	Department of Economics	Mr. Amol Parmeshwar Kamble
18	Art & Design	Department of Graphic Design	Mr. Prashant Sharadchandra Acharya
19	Art & Design	Department of Interior Design	Mr. Rahul Suresh Honrao
20	Art & Design	Department of Design Fundamental	Mrs. Rakhi Girish Charwad

Internal Complaint Committee

Sr. No.	Name	Designation	Role
1	Dr. Jayashree Vispute	Faculty Member	Chairperson
2	Ms. Kiran Moghe	NGO/ Association for Women	External Member
3	Prof. Vaishali Wagh	Faculty Member	Member
4	Prof. (Dr). Yuvraj Lahoti	Faculty Member	Member
5	Prof. Radhakrishna Batule	Faculty Member	Member
6	Dr. Sheetal Naik	Staff Member	Member
7	Prof. Vijaya Hake	Faculty Member	Member Secretary

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	Mr. Ajay Shigwan	Staff Member	Member Nominated by VC
8	Prof. Reena Pandey	Faculty Member	Member Nominated by Academic Council
9	Prof (Dr.) Kedar Sant	Registrar	Member Secretary

Anti-ragging Committee

Sr. No.	Name	Designation	Role
1	Prof. Kailas Bhosale	Faculty Member	Chairperson
2	Dr. Umesh Patwardhan	Faculty Member	Member
3	Dr. Sheetal Naik	Faculty Member	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 r	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. Jiyaa Khatri	Faculty Member	Member
8	Ms. Sarika Sagar	Faculty Member	Member
9	Dr. Radhakrishna Batule	Faculty Member	Member Secretary

05

INFRASTRUCTURE

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.

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

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

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

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

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

Hostel
Separate accommodation and food facility for Boys and Girls on a first come first serve basis. Boys Hostel (Grade A & B) with capacity more than 140 Beds and Girls Hostel with capacity more than 70 Beds. Additionally, we provide transportation for the students to and fro Hostel.

06

ACADEMIC
PROGRAMMES

Sr. No.	Regulatory Body	Programme(s)
1	AICTE	B. Design
2	AICTE	B. Tech – Computer, Mechanical Engineering
3	AICTE	MBA
4	UGC – 12B	All

FACULTY OF
ART & DESIGN

Department of Design

Design education at the Department of Design, Vishwakarma University is all-encompassing and coexists in an active triadic relationship with design education, design research and design practices. 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 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.

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.

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.

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 a 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.

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 the animation and IT industry.

FACULTY OF
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.

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. The 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 real-world business situations.

The programme ensures theoretical and practical learning in a true multi-disciplinary environment that deepens connections between domains and promotes overall learning. The structure of the MBA course structure is designed to give students the best corporate exposure. The programme acquaints students with 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 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 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.

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.
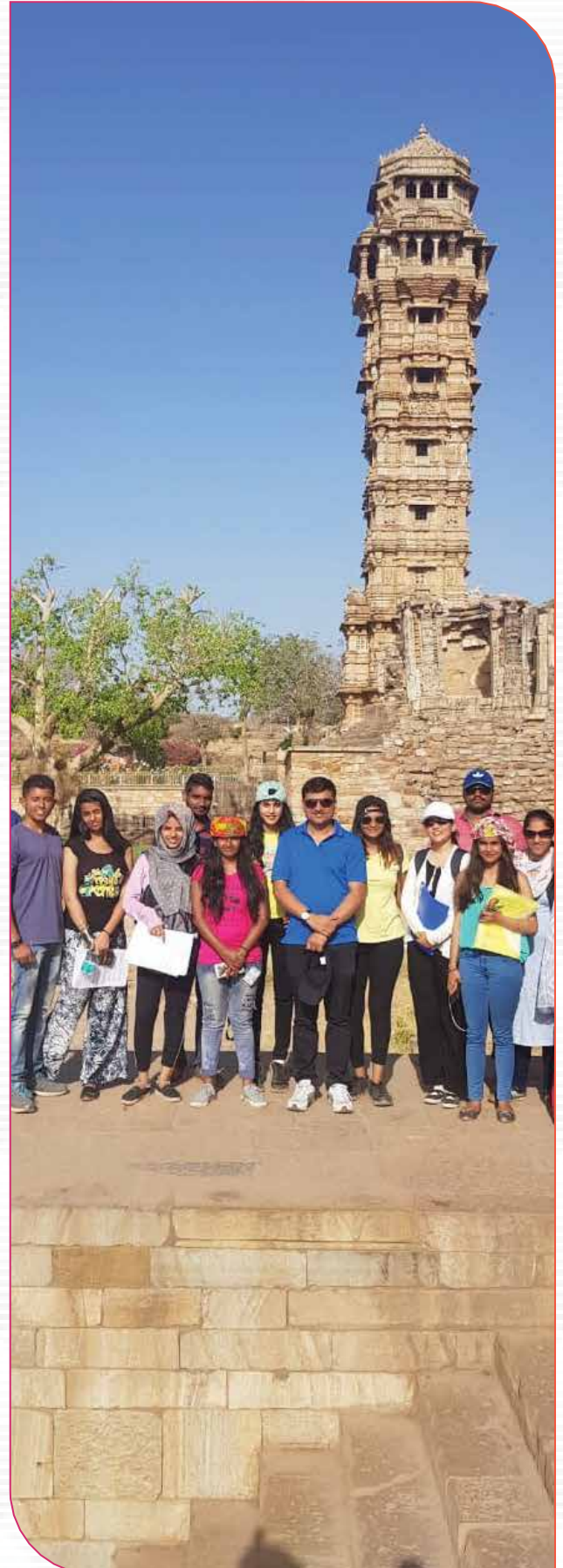
Bachelor of Art in Travel and Tourism

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.

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

Master of Art 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.A. 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.

FACULTY OF
LAW & GOVERNANCE

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.

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

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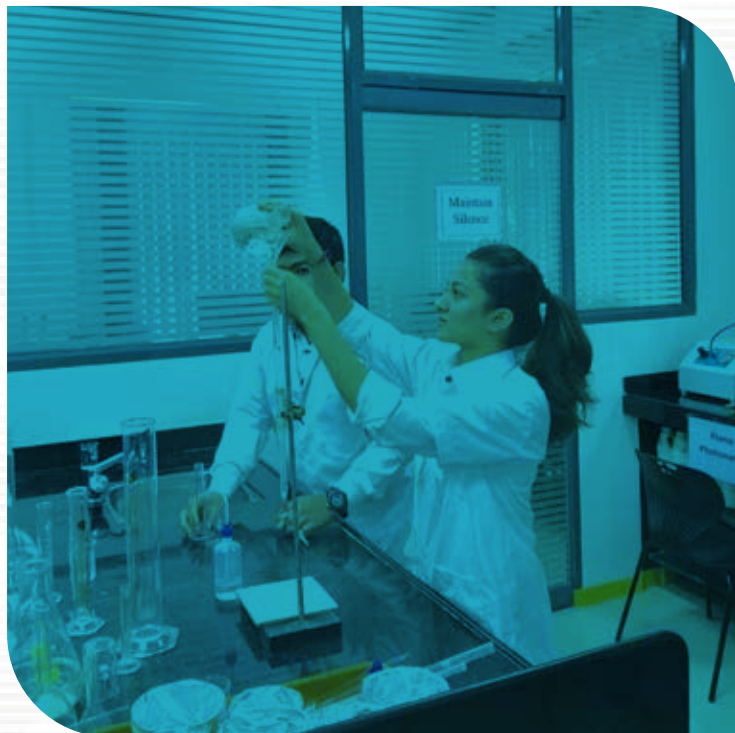Admission to the programme will ensure that the students are equipped with the practical knowledge and essential skills required for working in various media organizations demanding different mass communication approaches and an evolved understanding of varied audiences' needs. As an advertising, new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

Department of Computer Science

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

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

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

Bachelor of Science in Computer Science

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

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

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

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.

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 in Statistics

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 in Statistics

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.

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

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

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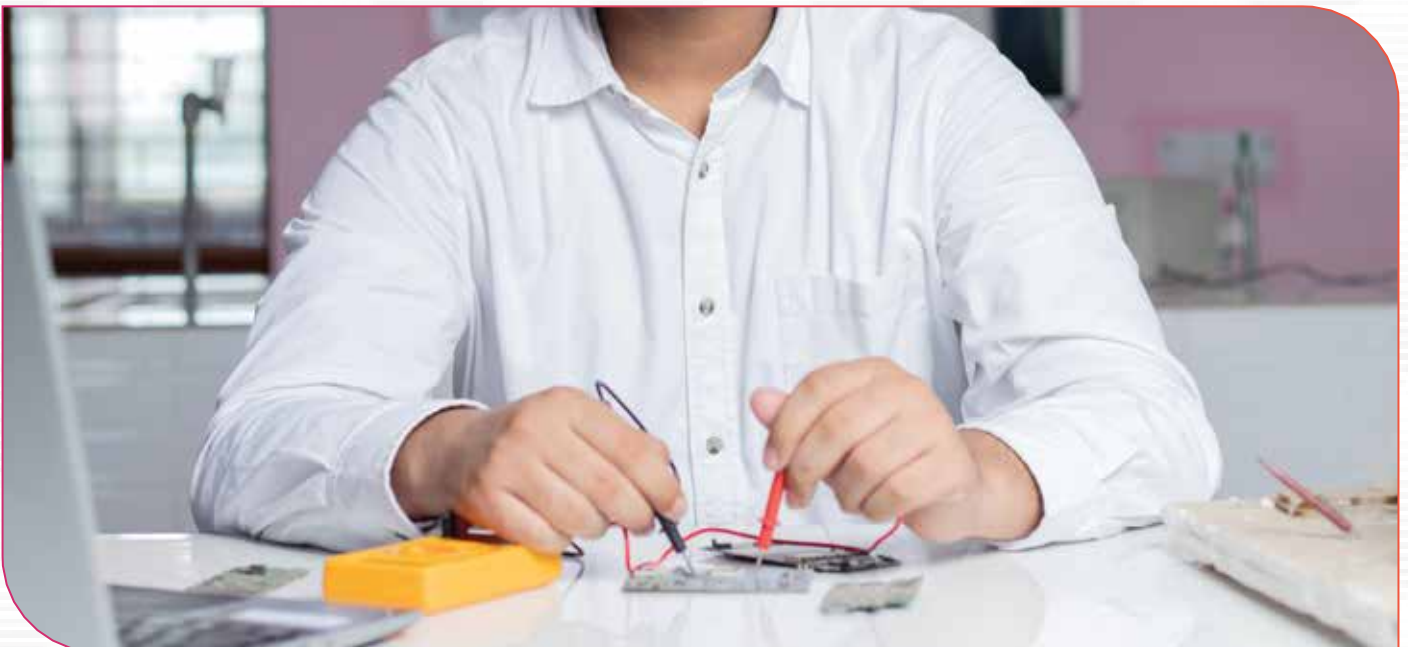
Bachelor of Technology in Computer Engineering

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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.

The Mechanical Engineering department at Vishwakarma University was established in 2017 to provide programmes that are designed to develop highly desirable and industry-relevant skill sets in the students. The department adopts a holistic approach towards the development of fundamentals of design, analysis, and manufacturing. The focus is on developing the necessary analytical skills and diagnostic problem-solving skills through the high-quality and interactive teaching-learning process along with integrated practical experience.

Bachelor of Technology in Mechanical Engineering

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

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

The programme offers two specialization tracks including:
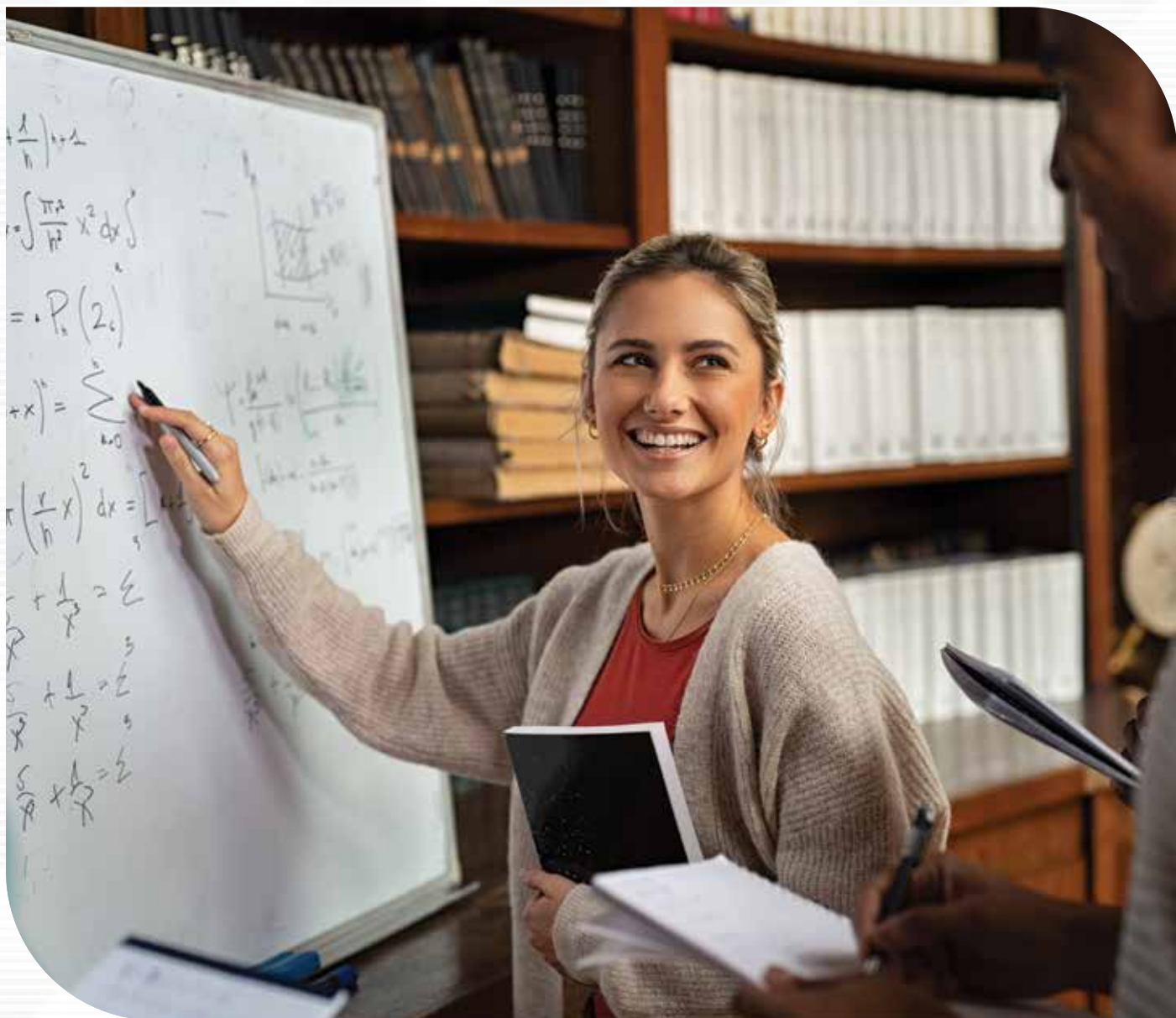• Future Mobility
• Smart and sustainable systems
The specializations offered present the students with an opportunity to equip themselves with the knowledge and skills relevant to the technologies of tomorrow.

Master of Technology in Mechanical Engineering

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

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 made 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

• Affiliation with all sector skill councils
Vocational Education Creates awareness about opportunities in industry and helps in collaboration and motivation to Industry for co-creation
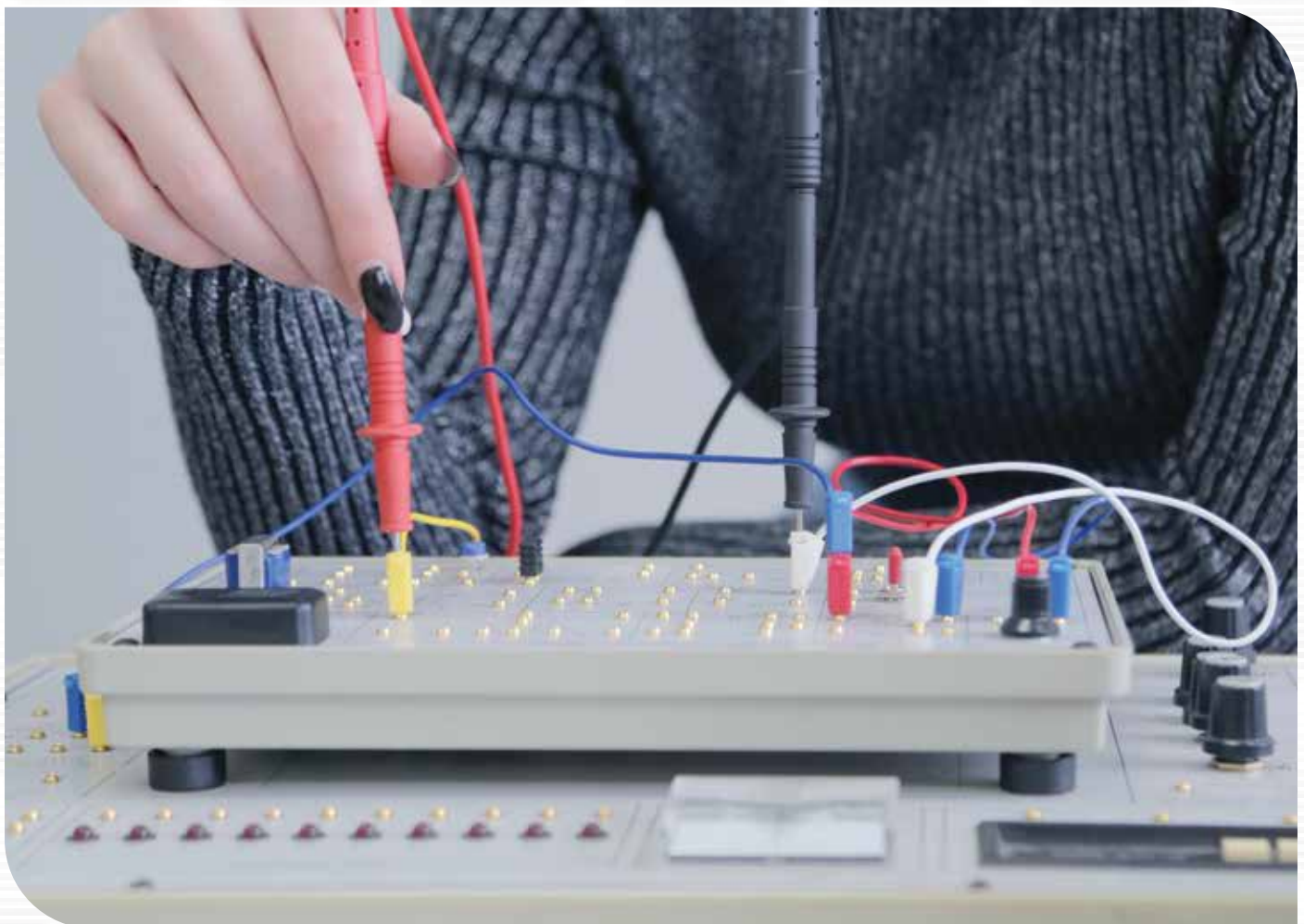
• Department of Vocational Studies
• B. Voc. Pg D and M Voc in Telecom, Electronics, Automotive, Retail, Logistics, Banking and Insurance, Travel and Tourism, Infra and Construction.

Mission of the School of Vocational Education
- To offer opportunity
- To practice and learn
- To develop manual and machine skills
- To know procedures and methods
- To develop problem solving nature and creativity

Diploma Programme in Sound Engineering

A unique programme in collaboration with the Dawn Studio which is designed to provide job opportunities to the students in the field of film and Television. The programme is a blend of 80% practical sessions and 20% theory sessions.

07

RESEARCH, INNOVATION & ENTREPRENEURSHIP

Research Publications

Name of the Faculty Member	Title of the paper	Name of the Journal/Conference
Holley, P., Lynn, E., Bush, B., Abhay Chavan	An Interdisciplinary Pilot Study and Prototype Development for the Containment of Concrete Washout Waste	The associate schools of construction
Collins W., Holley P., Chavan Abhay, Sattineni A.	General Contractor Knowledge of Infection Control Requirements on Hospital Renovation Construction Projects	Collaboration and Integration in Construction, Engineering, Management and Technology. (Springer. Cham)
Mahua Mukharjee, Jeevan Madapala, Aishwarya Khadse, Deepmala Singh	Performance oriented integration of Bue-green infrastructure in Indian Smart city proposals	10 the international conference on Urban Climate
Chavan A., Khadse A	Quantitative evaluation of courtyards' effectiveness in mitigating urban heat island effect & its impact on energy consumption for a dense urban neighborhood in hot & dry climateProceedings of the	International Conference on 'Retro Futurism of Skills in Architecture, Design, Planning and Innovation'.
Chavan A., Khadse A.	INTEGRATING BLUE INFRASTRUCTURE TO PROMOTE SOCIALLY INCLUSIVE URBAN SPACES	Proceedings of the International Conference on 'Retro Futurism of Skills in Architecture, Design, Planning and Innovation'.
Sanjesh Pawale	Performance Improvement of TCP New Reno using one way delay Measurement	International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075, Volume-8 Issue-10, August 2019
Kailas Patil	An Astute Assistive Device for Mobility and Object Recognition for Visually Impaired People	IEEE Transactions on Human-Machine Systems
Kailas Patil	A Consumer Based Smart Home With Indoor Air Quality Monitoring System	IETE Journal of Research (TIJR
Reshma Pise	"The Association of Temperature and Rainfall with Dengue Incidence in India: Statistical Analysis",	International Journal of Emerging Technologies and Innovative Research
Bharati Ainapure	Analysis of Dataset in Private Cloud for Cloud Forensics Using Eucalyptus and Hadoop	
Swati Shriyal	IoT Device Classification Techniques and Traffic Analysis-A Review	ICTAI-2021: International Conference on Technological Advancements & Innovations (IEEE scopus journal)ISBN:978-1-6654-2087-7
Yogesh Deshpande	Embedding Affect Awareness into Online Learning Environment using Deep Neural Network	2019 5th International Conference On Computing, Communication, Control And Automation (ICCUBEA
Yogesh Deshpande	Step towards Smart Workshop of Industry 4.0: Remote Product Monitoring System using Industrial Internet of Things	International Conference on Industry 4.0:Future Perspectives and Agility At: Pune, Maharashtra, INDIA
Prasad Gokhale	Analysis of Internet Gateway Placement Problem in Heterogeneous Wireless Networks for Machine to Machine Communication	2nd International Conference on Smart System and Inventive Technology
Prasad Gokhale	Systematic Review of Gateway Placement Methods in Wireless Networks	Fourth International Joint Colloquiums on Computer Electronics Electrical & Civil CEMC 2019

Name of the Faculty Member	Title of the paper	Name of the Journal/Conference
Dr. Pashmina Doshi	Employees' Perspective on Mergers : An Extended Literature Review	RESEARCH JOURNEY International Multidisciplinary E- Research Journal
Dr. Umesh Patwardhan	Periodic need to study the perceptions of Online learners	Our Heritage
Dr. Pashmina Doshi	The Impact of Qualification on Employees' Perception about Merger & Acquisitions in Pune City	International Journal of 360 Management Review
Prof. Kailas Bhosale	A Study on Urban Consumer Preference for FMCG Consumable products with reference to Pune City	International Journal of Scientific Research & Engineering Trends
Dr. Pooja Agrawal; Dr Omvir Gautam	Truancy and job satisfaction among dual career couples towards organizational sponsored day care amenities in developing nation	Serbian Journal of Management (Scopus)
Prof Vijaya Hake	At study of commodity markets with customer perception & risj factor of investors to select commodities .	Mukt-shabd
Dr Omvir Gautam ; Dr Pooja Agrawal	A conceptual framework for entrepreneurial orientation: is philanthropy missing in family business?	International Journal of Business and Globalization (Scopus)
Prof. Abhishek Bhosale	Unconventional Anjali : Journey in Alternative Cinema.	Muktashabd. Pp 7-15. Nov 2019-ISSN : 2347 4150
Dr. Nazia Wahid	Investigation of the role of chromium reductase for Cr (VI) reduction by Pseudomonas species isolated from Cr (VI) contaminated effluent.	Biotechnology Research and Innovation, Vol 3 ,38-46.
Dr. Nazia Wahid	Study of a power function as a two parametric basic Probability distribution.	Int. J. Agricult. Stat. Sci. Vol. 15(1), 73-77
Dr. Ruchira Kedar	Thumri mein Bandish ke Saundarya Tatva	Sangeet Kala Vihar Journal
Dr. Ruchira Kedar	Aesthetics of Bandish element in Thumri	Samakalika Sangeetham
Dr. Sukdeo Ingale	Rebalancing the Justice for Victims of Crime: Current Legislative Strategies in India	7 (26) Shodh Sarita April-June 2020 (ISSN – 2348-2397) [pp. 163-168]
Prof. Sarika Sagar	"Covid 19 Pandemic: an Alarm to overhaul Indian Regulations & Policies in the light of who's Global Policy Framework"	"Iltes – Satoshi mega onine global summit Holistic global strategies to fight Pandemics (covid – 19) May 9-10, 2020" E - Proceedings And Abstracts, May 9-10, 2020 , pg. 81-82
Prof. Apurva Bhilare	"Speak! Your life is still your own! - A Jurisprudential Perspective of the Law of Sedition"	Conference Proceedings - "Transformative Constitutionalism in India: Contemporary Issues and Challenges" ISBN: 9-788194-867357

Name of the Faculty Member	Title of the Book	Name of the Publisher of the Publisher
Kailas PATIL	Step-by-Step Guide for WiFi Hacking with Kali Linux	Amazon ebooks
Kailas PATIL	Batch Scripting: Virus Scripts & Windows Tweak	Amazon ebooks
Bharati Ainapure	Infrastructure Security	· ISBN: 9789386765345, 9789386765345 Staredu
Prof. Nisha Khandekar	"Globalization and its effects on the Warli art"	Research paper has been published by SAGE Journal of Social Inclusion Studies Editorial Office
Prof. Nisha Khandekar	"Globalization and Warli Tribal Art"	Research paper has been published by International Journal of Research Granthaalayah
Prof. Reena Pandey	'Contemporary Trends in Chikankari'	International Journal of research & analytical review

Research Publications- Book chapters

Name of the Faculty Member	Title of the Book	Title of the Chapter	Name of the Publisher of the Publisher
Aishwarya Khadse	NA	Promoting CES to accelerate a net-zero transition in developing economies	VU_IGES Japan Collaborative Project proposal (Book Chapter)
Aishwarya Khadse	Sustainable development in research	Parameters for Quantitative Evaluation of Non-structured Sustainable Strategies for the Management of Water in Urban Area	Springer Cham
Dr. Omvir Gautam; Dr Pooja Agrawal	Analyzing Workplace Deviance in Modern Organizations	The Effects of Leaders' Behavior on Job Satisfaction, Organizational Citizenship Behavior, Deviant Behavior, and Job Performance of Employees	IGI Global
Dr. Rahul Waghmare	"Critical Issues on Changing Dynamics in Employee Relations and Workforce Diversity	Workforce Diversity to Foster an Innovation	IGI Global
Dr. Pooja Agrawal ; Dr Omvir Gautam	"Critical Issues on Changing Dynamics in Employee Relations & Workforce Diversity	Employees' Attitudes & Perceptions Towards Electronic Monitoring Surveillance Affecting Employee Behavior: An Exploratory Evidence From the Airline Industry	IGI Global
Prof. Ashwini Sonwane	"Critical Issues on Changing Dynamics in Employee Relations and Workforce Diversity	The Change in Nature of an Organization and Its Work	IGI Global
Prof. Abhishek Bhosale	Works on SDG 2030 : Ideas and Innovation.	Land Movement in Marathwada : Dalit Women Combating poverty, Hunger, Gender Inequality to achieve Socio Economic Growth.	Pp 279 - 288. Delhi. GEDY India
Prof. Charwad Rakhi Girish	Journal - A Study of Indian Languages, Literature and Culture pg-165-177 June 2020.	Impact of Indian Tradition and Culture on Painting	Journal - A Study of Indian Languages, Literature & Culture ISBN : 978-81-945451-8-7
Prof. Deepshikha Sharma	Contemporary Challenges in Consumer Protection.	Impact Analysis of False or Misleading Advertisements: Creativity at the Cost of Faith & Health	Principal, Yashwantrao Chavan Law College, Pune
Dr. Sukdeo Ingale	Health Laws in India, ISBN: 978-9388-3422-2-3. p.160-178	Victims Right to health under State Victim Compensation Schemes in India	Manakin Press Pvt. Ltd., B-300, Okhla Industrial Area, Phase-1, New Delhi- 110020, India

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 creating 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.

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.
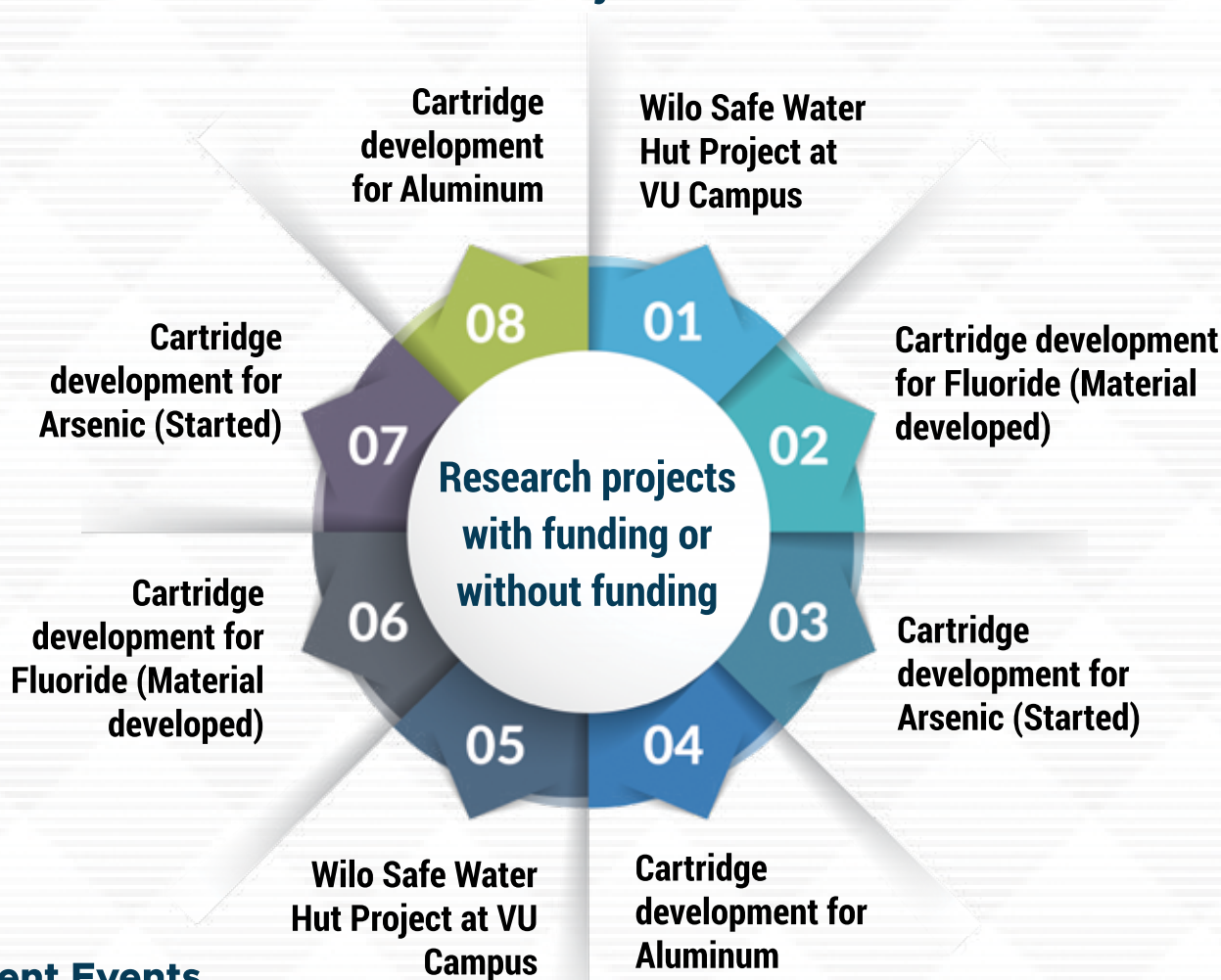

Services offered

• 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

Research projects with funding or without funding

01. Wilo Safe Water Hut Project at VU Campus
02. Cartridge development for Fluoride (Material developed)
03. Cartridge development for Arsenic (Started)
04. Cartridge development for Aluminum
05. Wilo Safe Water Hut Project at VU Campus
06. Cartridge development for Fluoride (Material developed)
07. Cartridge development for Arsenic (Started)
08. Cartridge development for Aluminum

Recent Events

Visit to IFAT 2018, Goregaon Mumbai.

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

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 Ptv. Ltd. (Singapore) was signed on similar lines in May 2019. A total of 32 students have completed their internships ranging in 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 streams 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 base load and energy conservation measures. Besides, an Energy Audit Elective is offered to students enrolled in the Mechanical Engineering and Architecture programmes.

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 and shadowing activity with factory authorities

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

Remote Product Monitoring System Project
(i) A smart sensor based system was developed around an old traditional lathe machine as a digitalization experiment. This helped in monitoring the health of the machine and its production throughput and all other types of data on a computerised dashboard. This setup could be used as an experimental resource for gathering manufacturing data smartly and using data-analytics to gain further insights.
(ii) Visit to C4I4 Labs was conducted for sensitizing students about developments taking place in industries

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

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

(D) Organized Events

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.
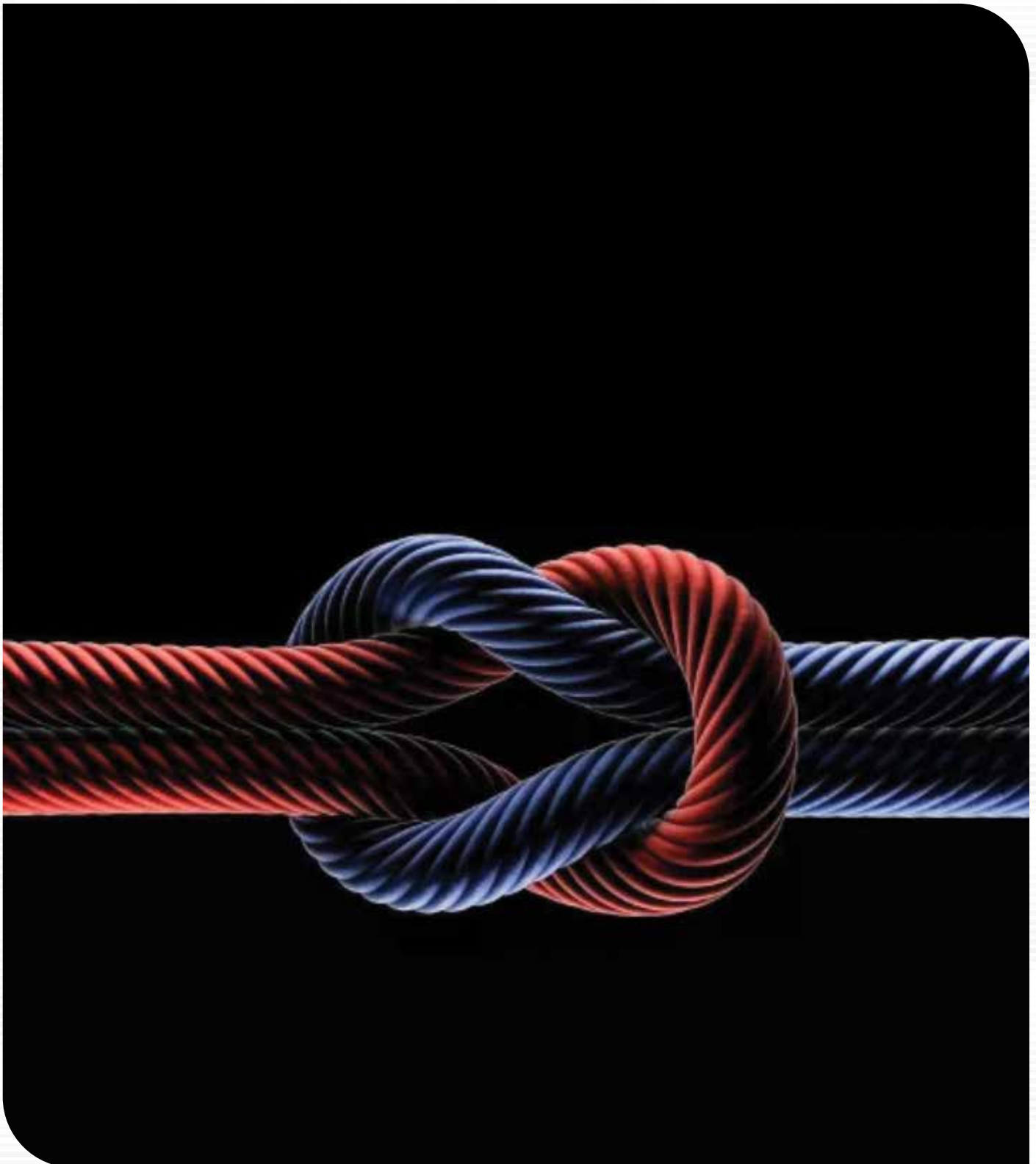
08

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.
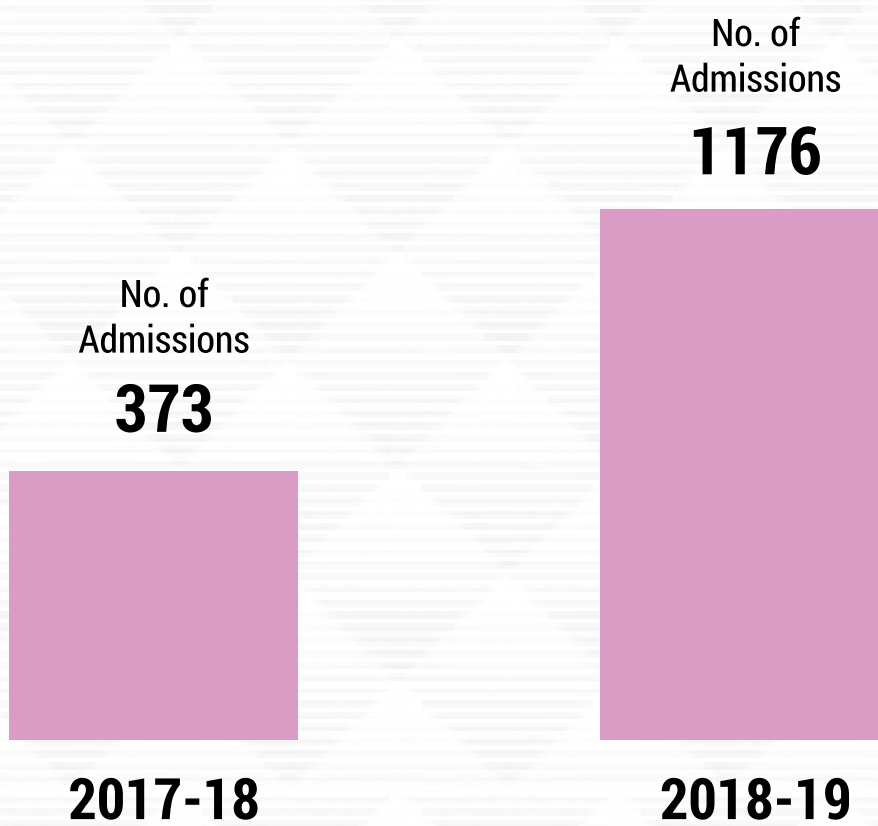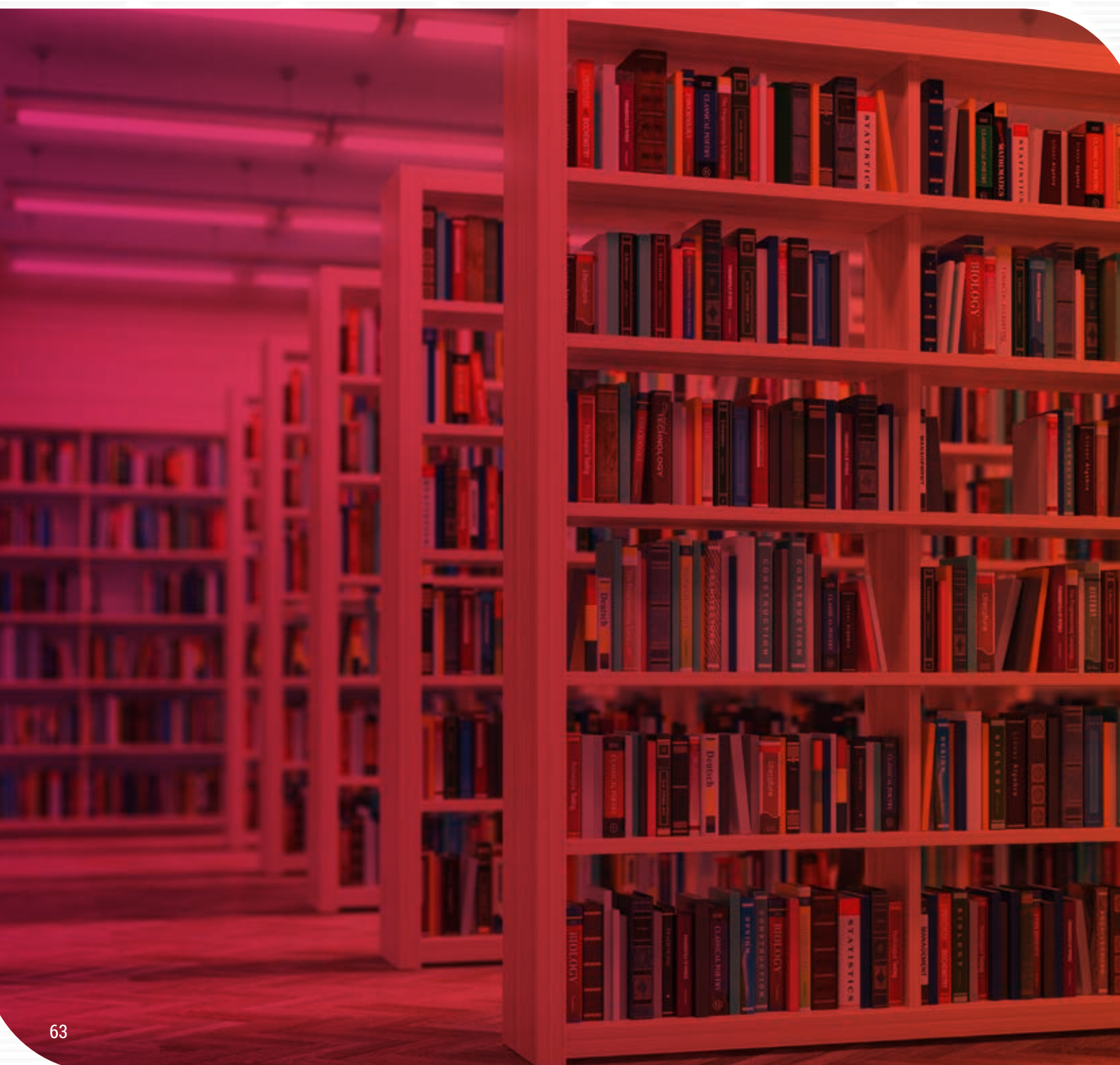
09

STUDENT ACTIVITIES

No. of
Admissions
1176

No. of
Admissions
373

2017-18

2018-19

10

GUEST
LECTURES

Guest Lectures

Topic	Name of the Speaker	Name of the Organization	Designation
Self Awareness	Dr. Bupendra Singh	VU	Asst Professor
English as language of communication	Prof. Suryakiran	VU	Asst Professor
Developing Positive Attitude	Mr. Vinayak Shinde	VU	Admission Officer
How to sell yourself ?	Dr. Manohar Ingale	Royal Univ of Bhutan (retired)	Professor
When you think it's your limit, it's not	Ms. Sucheta Kadethankar	Sportzilla Pvt. Limited	Director
Leadership Mantra	Mr. Sukrut Patwardhan	Freelancer	Soft Skill Trainer
Capital Market Awareness	Mr. Sandeep Sahastrabuddhe	Proprietor	Moneywise Financial Planners
Digital Marketing as career	Mr. Harshwardhan Pawar	Freelance Digital Marketing Consultant	Digital Marketer
Manager Industrial Training for ISO9001:2015 certification	Mr Atul Gote	Wimzit Pvt Ltd	Lead Auditor
Self Discipline : The Sure Way to Success & Happiness	Gr Captain Sandeep Chabra	Indian Armed Forces	Group Captain (IAF)
Introduction to Tourism Industry	Prof Aarti Suryawanshi	VU	Asst Professor
Live Session on Budget	Prof Niranjan Kulkarni	VU	Asst Professor
Model United Nations (MUN)	VIT Students	VIT	Students
Live Session on Zumba	Nitya Lakhiani	Solaris Club	Zumba Instructor
Water Business Challenges & Opportunites	Dr Shraddha Kamparia	VU	Asst Professor
Business Analytics	Jaydip Sen	IBM	Subject Matter Expert
Induction for FY students	Viqar Surki	IBM	Head ICE Delivery
Design Thinking	Mike Testani	SUNY Binghamton	Faculty
EcoCampus	Don McLean	IES	CEO

VU- PUBLICATIONS

VU- Publications

Name of the Faculty Member	Title of the paper	Name of the journal
Dr.Prasad Gokhale	A Review and Forestalling Road Accidents using Machine Learning	International Journal of Research and Analytical Reviews
Dr.Prasad Gokhale	A Review and Clustering Approach to Countermeasure Road Traffic Fatalities	International Conference on Innovation and Societal Transformation (VUIC2019)
Dr.Prasad Gokhale	Analyze the Techniques Used in Classification of Cases of Molestation against Women and Minor	International Conference on Innovation and Societal Transformation (VUIC2019)
Dr.Prasad Gokhale	Road Traffic Fatalities In India : A Review And Countermeasure Using Clustering Approach	The 5th International Conference on Advanced Electromaterials
Dr.Prasad Gokhale	Review and Analyze the Clustering Techniques Used in Classification of Cases of Molestation against Women and Minor In India.	The 5th International Conference on Advanced Electromaterials
Dr. Pooja Agrawal, Dr. Omvir Gautam	Truancy and Job Satisfaction Towards Sponsored Child-Care Facility in India	Prabandhan- Indian Journal of Management
Omvir Gautam, Rajesh Dorbala,GNPV Babu	The Interplay of Marketing and Religion: Genesis and Evolution	International Journal of Management, Technology and Engineering
Rajesh Dorbala, Omvir Gautam, Sharda Pullabhatla, GNPV Babu	The Orphaned Status of Cryptocurrencies in India	ZENITH Int. J. Multidiscip. Res
Dr. Pooja Agrawal, Dr. Omvir Gautam	Truancy and Job Satisfaction Towards Sponsored Child-Care Facility in India	Prabandhan: Indian Journal of Management
Pashmina Doshi	Employees' Perspective on Mergers : An Extended Literature Review	RESEARCH JOURNEY International Multidisciplinary E- Research Journal
Pashmina Doshi	The Impact of Qualification on Employees' Perception about Merger and Acquisitions in Pune City	International Journal of 360 Management Review
Rohan Bhakta, Avinash Vishwakarma, Piyush Kukde & Prof. Shweta Kishore	Impact of 3D Printing on Logistics	Supply Chain Pulse
Gulapala Kumar, Dabbeet Kumar Prasad & Prof. Shweta Kishore	Study of Adoption of Lithium Ion Batteries in Electric Vehicles: Scope and Challenges	Supply Chain Pulse
Omesh Mane, Omkar Tupe & Prof. Shweta Kishore	CSR in Supply Chain: Scope & Challenges	Supply Chain Pulse

Name of the Faculty Member	Title of the paper	Name of the journal
Prof Vijaya Hake, Dr Yashwant Vaishampayan	A study of perception of investors with special ref to select commodities during the time period 2011-2013.	Journal of Management Research
Amruta Dilip Kapoor, Dr. Makarand Wazal	A review on Organic food research: Focus on managerial implications and strategy for retailers	Ajanta
Amruta Dilip Kapoor, Dr. Makarand Wazal	Green consumer and organic foods consumption - analysis of consumer behavior and future prospects	Universal review
Dr Kailas Patil	An Astute Assistive Device for Mobility and Object Recognition for Visually Impaired People	https://ieeexplore.ieee.org
Dr Kailas Patil	A Consumer-Based Smart Home with Indoor Air Quality Monitoring System	https://www.tandfonline.com
Dr. Nazia Wahid	Investigation of the role of chromium reductase for Cr (VI) reduction by Pseudomonas species isolated from Cr (VI) contaminated effluent.	Biotechnology Research and Innovation
Dr. Nazia Wahid	Study of a power function as a two parametric basic Probability distribution.	Int. J. Agricult. Stat. Sci

12

OTHER ACTIVITIES

SAP INTERACTION WITH STUDENTS

Calligraphy Workshop by Ravindra Pande

The objective of this workshop was to bring the understanding between students as a prerequisite to the typography subject which is one of the major subjects applicable to all the specialization students.

Mural Workshop

Students from Art & design were given the experience of mural painting by introducing various material and applications as per theme development.

Madhubani painting workshop by Pratibha Wagh

Madhubani painting- Madhubani or Mithila painting is a folk art of the Mithila region. The Mithila region includes the north of Bihar and the eastern Terai of Nepal.

Madhubani paintings are traditionally done by women painters from the Mithila region. They live in a small society, and every mother teaches her daughter the art of making Madhubani paintings.

Hands-on Experience- Origami

Students were taken through a journey of paper, form, and design. How paper can add dimension in a thought full way. At the end of the day students' work was exhibited to showcase the entire batch work as an outcome.

'Doodle Art' for B Des Foundation students

'Doodle Art' for B Des Foundation students on 21 January to 22 January 2019. Students from foundation were introduced to define various techniques to illustrate thoughts in their own styles and methods with various tools and surfaces.

'Human Anatomy Drawing- By Aditya Shirke

'Human Anatomy Drawing' for B Des Foundation students on 11th and 12th Feb 2019 - Students were introduced to the importance of human anatomy and proportions with various rendering and shading techniques and proportions.

Workshop on Design Thinking-Conducted by Michael Testani, Kailas Patil & Prashant Acharya

Workshop on Design Thinking-on 13thFeb 2019- In collaboration with Binghamton University New York & Vishwakarma University Pune.

YES Foundation Fellowship – Media for Social Change

Students were selected for the yes Foundation for their valuable contribution and participation. Students names-Avanti Rahalkar, Rigil Roy, Vinisha Rathod, Sai Galande, Sudeshna Ganguli, Neha Mattani

Observations	Solution	Advantages

• Manual Record Keeping
• Physically maintaining of records and papers
• Entering Records is Time consuming
• Though some of the data is repeating you still have to enter it
• Extracting information or searching any information from the data entered is time consuming
	• Keep Data Digitally
	  - Can design standalone solution which can work only on one machine
	
	  - Can design web based solution which can work remotely also
	
	  - Can design mobile app so that the data can be handy
		• Maintaining information for longer period will be easy, less costly and space requirement is also very less
		
		• Analyzing the data will be very easy
		  - Which operator has done how much work during the last 6 months. Extracting this information from manual log record is time consuming and may be less accurate because of human error
		
		• Time required to add record will be less
		• Data availability is location independent and can be live
		• Avoiding and detecting human errors is possible