

# VISHWAKARMA UNIVERSITY

SDG 17 REPORT 2022



**VISHWAKARMA  
UNIVERSITY**

*Maximising Human Potential*

University Grants Commission (UGC) Approved State Private University





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*Maximising Human Potential*

# About This Report

Vishwakarma University (VU) is unwavering in its commitment to sustainable development, intricately linked to the United Nations' "Transforming our World: the 2030 Agenda for Sustainable Development." These goals paint a global vision for a brighter future, and VU has taken these goals to heart, weaving them into our very essence. With our motto of unleashing human potential, we're passionate about nurturing an environment where our students grow holistically, ready to tackle life's challenges.

Our campus has transformed into an EcoCampus, a beacon for innovative sustainable solutions. We're all about sustainability and envision a future with a smaller carbon footprint. This report is a testament to our journey, highlighting our partnerships and impactful programs. A notable example is VU's Certificate Programme in Sustainability Management, a partnership with Hof University of Applied Sciences, Germany, which equips students with advanced business management techniques and cutting-edge sustainable practices. It equips students with cutting-edge sustainable practices. The Wilo Foundation-Vishwakarma University is another shining example; it promotes water treatment, purification, and awareness of clean drinking water through its Water Quality Centre of Excellence.

Despite the hurdles posed by the COVID-19 pandemic, our dedication to sustainability remains unshaken. This report provides an insight into the Institute's multifaceted endeavors to achieve the SDGs, spanning teaching, research, outreach, public engagement, and daily operations.

Our commitment extends to developing educated, ethical, and skilled individuals who embrace values of fairness, inclusivity, and excellence. Furthermore, our approach encourages students to actively apply their knowledge, bridging the gap between theory and real-world action.

Vishwakarma University (VU) adopts a participatory development model that fosters active involvement from both students and industry stakeholders. This model is underpinned by the academic philosophy we've developed at VU, which aims to equip students with the skills and attributes needed to navigate the challenges of the 21st century. Our association with Maharashtra State Faculty Development Academy, establishment of VU-Centre for Communication Development, the Sahyadri Communication Project, and VU Legal Aid Clinic are the pillars of VU-iPAR Model that exemplifies harmony with the National Education Policy 2020.

In summary, Vishwakarma University's commitment to sustainable development and the SDGs is deeply ingrained in its ethos. The Institute actively collaborates with diverse stakeholders, implements sustainability across its core operations, and fosters a culture of learning, research, and innovation. Through these collective efforts, VU is dedicated to preparing students to be future leaders who drive positive change and contribute to the greater good of society, in alignment with the global vision of the SDGs.

**Prof. (Dr) Siddharth Jabade**  
**Vice-Chancellor**  
**Vishwakarma University, Pune, India**

## VU's Participation in the THE Impact Rankings 2023

Vishwakarma University (VU) also participated last year in Times Higher Education (THE) Impact Rankings 2023, which looks at global universities' commitment and performance in furthering the Sustainable Development Goals (SDGs).

VU took part in the 4 SDGs listed below plus the mandatory SDG 17 and the results were as follows:

### Overall Ranking 1001+







**17** PARTNERSHIPS  
FOR THE GOALS



**Strengthen the means of  
implementation and revitalize  
the global partnership for  
sustainable development**



## Partnership for Goals

Partnership for Goals Vishwakarma University (VU) is committed and strives to play its part in ensuring the sustainable developments reach and proliferate to the stakeholders such as industry, government, people at large for the greater good of society. This is enabled through collaborations with local, regional, national, and global agencies. VU has well-structured and strategic collaborations with industry, Government agencies, cooperative societies, forums, NGOs in this undertaking. The stakeholder participation is incorporated in curricular and co-curricular aspects in terms of projects, internships, seminars, case studies at VU to ensure internalization and integration of this mission intrinsically.

Outreach and networking is an essential aspect of collaborations. VU encourages students and faculty members to participate in conclaves, discussions, and meetings with government agencies to develop policies for the benefit of the society and environment. The University collaborates with NGOs, industries, local bodies, and works towards the betterment of society. VU also closely works with industrial bodies, industries, start-ups, and research bodies towards ensuring that innovation reaches the grass-root level.

VU contributes towards sustainable development by providing trained human resources equipped with practices of equity, inclusiveness, excellence, ethics, and professional standards. To facilitate socio economic sustainable development, VU is working with industry, government and various social group.

## MoUs with industry, government or any other organizations

ORGANIZATION	NATURE OF LINKAGE/ COLLABORATION	BRIEF ABOUT ORGANIZATION
Buldhana Urban Cooperative Credit Society	MoU - Industry Participation in Curriculum Design and Delivery – Micro-Finance	Buldana Urban was established in 1986, with 456 branches in 4 states of India as of today. With an aim to bring industrial perspective in our curriculum and to enable industry participation in curriculum design VU collaborate with Buldana Urban.
Tata Technologies Ltd.	Setting up competency centre	Tata Technologies Limited is a company in the Tata Group that provides services in engineering and design, product lifecycle management, manufacturing, product development, and IT service management to automotive and aerospace original equipment manufacturers and their suppliers.
Techniche Engineering P Ltd	Transdisciplinary Competency Centres	Techniche Engg. Pvt. Ltd. have know-how in the domain of risk & safety studies and training for various industries
Inflexion Analytix P Ltd	Centre for Artificial Intelligence & Advanced Analytics (CAIA)	Inflexion Analytics was founded to help ambitious companies compete with larger competitors by providing access to the same high quality data analytics services at a market leading price.
Indian Society for Training & Development	Conducting joint research on emerging issues in training and development	Indian Society for Training & Development involved in the area of training and development of Human Resource from Government, Public and Private sector organizations & enterprises, Educational and Training institutes and professional bodies.



ORGANIZATION	NATURE OF LINKAGE/ COLLABORATION	BRIEF ABOUT ORGANIZATION
Queen Mary's Technical Institute	To support differently abled soldiers and their dependents.	Queen Mary's Technical Institute, earlier known as Queen Mary's Technical School for Indian Disabled Soldiers, was founded by Lady Marie Willingdon
INFLIBNET Centre	promotes open access to scholarly content generated in universities	INFLIBNET Centre, an Inter-university Centre of the University Grants Commission, as its mandate, promotes open access to scholarly content generated in universities.
Seiler Garepa India Pvt. Ltd	Conducting research on emerging issues in the industry	Seiler Garepa India Pvt. Ltd. is established with the mission of Make in India. It's a joint venture between Garepa Engineers and M/s Seiler Vakuumtechnik GMBH.
IES India Ltd,	Authorize Training Partner	Integrated Environmental Solutions Ltd is a software and consultancy company that specializes in building
Dr. L. Subramaniam Foundation	To provide learning curriculum as per UGC guidelines relating to music courses	Performance analysis. IES create software tools for designing and operating energy efficient buildin Subramanyam foundation is engaged in music education
Confederation of Indian Industry, Young Indians	Yuva vision to influence inspire & motivate millions of students across the country	Young Indians (Yi) is an initiative and integral part of the Cil formed with an objective of creating a platform for Young Indian's to realize the dream of a developed nation
Willo Mather and Platt Pumps	To develop VSTP	Wilo SE is a European manufacturer of pumps and pump systems for the building technology, water and industrial sectors with headquarters in Dortmund, Germany.
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.
Industrial Metal Powders India P Ltd.	Conducting research on emerging issues in the industry	Industrial Metals Powders (India) Pvt. Ltd is in the business of supply of electrolytic iron powder and other iron components to various industrial, nutritional, cosmetic and other applications.
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
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.
Jnana Prabodhini's Institute of Psychology (JPIP)	MoU - Psychometric Assessment and Counselling	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.



ORGANIZATION	NATURE OF LINKAGE/ COLLABORATION	BRIEF ABOUT ORGANIZATION
Unity Technologies Ltd	Unity Academic Training Partner	UTECH has developed a game creation system and rendering engine known as Unity Products (as defined below) and grants to certain individuals and organizations nonexclusive licenses to use the Unity Products for the development of 2D, 3D and Virtual Reality / Augmented Reality / Mixed Reality content.
Riskpro management consulting p ltd	Conducting research on emerging issues in the industry	Riskpro Management Consulting Pvt. Limited is one of the leading management consultancy firms in the fields of Forensic Accounting, Due Diligence, Digital Forensics and Verification Services. Market Intelligence for Banking, Insurance and Corporate Sector Companies with use of advanced Information technology and Investigative Tools
Accurate Gauging	Oxygen Generator System design and develop	Accurate is a pioneer in the field of Metrology in India that believes in Partnering Quality Metrology solutions which are delivered to various industry segments such as Automobile, Engineering, Aerospace, Railways, Energy, Oil and Gas, Medical Engineering, Government Sector, and Technical Education.
Jardins Consultants	Development and delivery of educational programmes	Dealing with senior level negotiations and connections with individuals and companies to facilitate commercial relationships with companies and other organisations in India.
KPRC Partners LLP	Development of Course:	KPRC Partners LLP is limited liability partnership firm and it provides Legal Consultancy and advisory Services including Corporate Secretarial Compliances services. KPRC is also engaged in development and delivery of educational programs at different forums for undergraduate and postgraduate students.
Entrepreneurship Development Centre	conducting IP related talks/workshops	It nucleate and nurture technology and knowledge-based enterprises for India by leveraging the scientific and engineering competencies of the institutions
Schmersal India Private Limited	Collaboration for VU Digital	Schmersal is engaged in manufacturing and trading a wide range of switching products to enhance the safety of men and machines.
IoTIoT	Organaizing workshop	To bridge the Industry-Academia gap using a learn by doing approach
Wizcraft MIME	Innovation & technology development, facilitation and capacity development	Wizcraft Management Institute of Media and Entertainment
A&I Digest	Conducting research on emerging issues in the industry	A&I is a Forum for Architects and Interior Designers, Publications, Design Exhibitions, Events, Seminars, Etc.



ORGANIZATION	NATURE OF LINKAGE/ COLLABORATION	BRIEF ABOUT ORGANIZATION
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.
Robonik India P Ltd.	NDA:To the design and development of point-of-care diagnostic devices and its specific features	Robonik India Private Limited, is a manufacturer, supplier and exporter of this impeccable range of Diagnostic Equipment.
DCF Ventures LLP	Service Providing	DCF Ventures connects global startups with Indian corporations looking at innovation. Apart from this the company provides innovation consulting for corporations and governments.
Tata Consultancy Ltd	Provide TCS application system and TCS service Environment	TCS Industry Honour Programme, is a set of structured industry designed courses in an industry relevant domain or technology offered to the institutions, Institutions can integrate this set of courses with their existing degree programs to create a specialization degree in the industry relevant domain or technology
Research for Resurgence Foundation (RFRF), Nagpur	MOU- Collaborative research and innovation	The RFRF is a multi-domain Research Institute and a network hub of research and allied activities in academics and industrial sector.
Design Media and Edutainment solution P.Ltd	Industry Partner to deliver courses	Design- Media & Edutainment Solutions is a renowned design solutions company providing dedicated services in advertising and film design verticals.
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.
Blueminds Consultancy LLP	Consultancy Services on Social media	Blueminds offers services in Career Counselling, Job Search Strategy & Personal Branding, Resume Building/LinkedIn Profile Building & Effective Interviewing skills
Bindurekha Fashion Studio	Conducting contemporary research in the area of ethnic apparel and jewellery design	Bindurekha Fashion Studio is label in premium range designer fashion jewellery based in Pune, design, manufacture and supply to leading apparel stores and brands throughout India
IMS India	Examinations training, guidance and support.	IMS is one of India's pioneering institutions in management education training, and was single-handedly responsible for building awareness
Mr.Shantanu Kulkarni	Development of online course/s	



ORGANIZATION	NATURE OF LINKAGE/ COLLABORATION	BRIEF ABOUT ORGANIZATION
The Indus Entrepreneurs Association Pune Chapter	To promote creation of high impact start-ups that generate social and economic value for Indian society and the world-at-large.	TiE is a non-profit, global community welcoming entrepreneurs from all over the world. They believe in the power of ideas to change the face of entrepreneurship and growing business
Sahyadri Farmers Producer Co. Ltd	To understand the model of farmer producer companies	SFPCL is India's one of the largest Farmers Producer Company which is 100% farmer owned, professionally managed, grower producer company, which has business of Producing, and supplying fruits and vegetables, fruit pulps, purees and pastes of fruits and vegetables and related products.
Teenzclap Futureworks (OPC) Private Limited	Delivering skill-based course/s	Teenzclap's mission is to help learners achieve success with empathy and focus on impact-led outcomes, one of the least understood aspects of developing self.
ANA Cyber Forensic Pvt. Ltd., Pune	Agreement- Development of Online Courses in field of Cyber Security	ACF provides services into Cyber Security along with Compliances, Digital Forensics, Cyber Laws and Training.
Kusum Life Science	Consulting Services	A Kusum Life science is a Preclinical Contract Research Organization to provide quality Preclinical, Pharmacology, Analytical and Animal Supply services
JT Foundations (NGO)	Agreement- Development of Online Courses in field of Diabetes and Obesity Management	JT Foundations is a Non- Governmental Organization registered under Section 8 of the Companies Act,2013.
Willo Mather and Platt pumps pvt. ltd	Faculty of art and design working on Graphic design on theme of Culture, for Willo.	The Wilo Group is one of the world's leading premium providers of pumps and pump systems for the building services, water management and industrial sectors. In the past decade, we have developed from a hidden champion into a visible and connected champion. Today, Wilo has around 8,000 employees worldwide and we are in your region.
Centre for Police Research Pashan Road, Pune		CPR is ideal for research activities and training envisioned to conduct and promote in-depth studies and fundamental and applied research pertaining to Police and related social as well as behavioral issues.
Extentia Information Technology, Pune		Extentia Information Technology, Pune. offer software development services with proven expertise in best-in-class tools, processes, and systems that we employ to deliver solutions that impact enterprises, organisations, and consumers.



ORGANIZATION	NATURE OF LINKAGE/ COLLABORATION	BRIEF ABOUT ORGANIZATION
Entrepreneurship Development Centre (Venture Centre)	Strategic collaboration for incubation and startups	The Venture Center is a technology business incubator specializing in technology startups offering products and services exploiting scientific expertise in the areas of materials, chemicals and biological sciences & engineering. Venture Center strives to nucleate and nurture technology and knowledge-based enterprises by leveraging the scientific and engineering competencies of the institutions in the "Pune region" in India.
ASSOCHAM		ASSOCHAM, India's oldest apex chamber, leverages its vast network of over 4,50,000 members, including MSMEs, to enhance the nation's global competitiveness and strengthen its domestic ecosystem. With a focus on sustainability, empowerment, entrepreneurship, and digitization, it collaborates with the government and think tanks to influence policy-making. Additionally, the chamber supports inclusive development through various initiatives in areas like healthcare, education, sustainability, and more.
AIESEC - Pune	Collaboration for student internships	AIESEC offers a chance to experience international internships for Indian students in countries like Egypt, Bahrain and more.
Robonik India Pvt. Ltd. Mumbai		Established in 1994, Robonik India Private Limited is a renowned manufacturer, supplier, and exporter of high-quality Diagnostic Equipment. Their product line, including Coagulation Reagents, Clinical Chemistry Reagents, and Hematology Cell Counter Reagents, is celebrated for precision, accuracy, and superior performance. Manufactured with top-notch materials and modern machinery, these products adhere to industry standards, ensuring consistently high quality and customer satisfaction at competitive prices
Kusum Life Sciences, Hingoli		Preclinical, Pharmacology, and Analytical testing. Their state-of-the-art facility caters to diverse industries, providing Toxicology, Pharmacology, and Pharmacopoeia testing services.
Brainsmaart Solutions	Providing career guidance and generating internship opportunities to students. Providing leadership and training to staff.	Training is provided in a holistic manner that empowers the youth to make an impact in society by transcending from personal aspirations to being a contributor to Society.



ORGANIZATION	NATURE OF LINKAGE/ COLLABORATION	BRIEF ABOUT ORGANIZATION
Minimac systems Pvt. Ltd.	Collaboration for skill development/ enhancement of students and faculty development programmes	Founded in 2012, Minimac Systems Pvt Ltd. is a prominent technical consultant, trainer, and service provider, specializing in End-to-end Lubrication Reliability Solutions. Registered as an MSME under NSIC, the company offers solutions like the Efficient Reliability Programme and TPM. Minimac provides standardised and customised global solutions for Oil Purification, Filtration, and Flushing Systems, OEM filter replacements, Oil Testing devices, and Minimac Operations & Maintenance Services (MOMS) for various oil types. Minimac's mission and vision are strongly aligned with Clean Tech and ESG sustainability principles, serving as key drivers for sectoral growth.

### Institutional Memberships

A sort of connection or relationship that organizations, institutions, or enterprises can create with various groups, clubs, societies, or other entities is referred to as institutional membership. These memberships are frequently created so that the institution and the organization they are joining may benefit from one another. Institutional memberships are available in a variety of settings, including trade organizations, academic institutions, and professional societies.

FICCI	Membership	Established in 1927, the Federation of Indian Chambers of Commerce and Industry (FICCI) is the oldest, largest and the apex business chamber in India. Our history is closely interwoven with India's independence struggle and now with her emergence as one of the most rapidly growing economies globally.
ASSOCHAM	Membership	The Associated Chambers of Commerce and Industry of India is a non-governmental trade association and advocacy group based in New Delhi, India. The organisation represents the interests of trade and commerce in India, and acts as an interface between issues and initiatives.
ADI	Membership	Association of Designers of India (ADI) 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.
MCCIA	Membership	Mahratta Chamber of Commerce, Industries and Agriculture 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	Confederation of Indian Industry-Young Indians (CII-Yi) engage students in various initiatives that the students conceptualize, and execute. In tune with the Yuva vision to influence inspire and motivate millions of students across the country, Yi is working with Vishwakarma University by forming a Yi Yuva chapter at VU
NHRDN	Membership	Established over 30 years ago, National human resource development NHRDN is an autonomous, not-for-profit professionally managed organization, playing a catalyst role in grooming leaders for tomorrow.
TSSC	Membership	Telecom Sector Skill Council (TSSC) is a Non-Profit Organization, registered under the Societies Registration Act, 1860. It is an industry-led apex body, jointly set up by the Cellular Operators Association of India (COAI), Indian Cellular and Electronics Association (ICEA) and National Skill Development Corporation (NSDC), to ensure adequate availability of skilled manpower to boost growth and productivity in the Telecom sector.
APTI - CONFIRM FROM PHARMA	Membership	Association Of Pharmaceutical Teachers of India (APTI) - an association found by the pioneers of Pharmacy education in India in 1966 by leading personalities like Prof. M. L. Schroff, Prof. G. P. Srivastava and others, has come a long way in creating better intercommunication and promotion of excellence in pharmacy education.
IPA	Membership	Indian Pharmaceutical Association (IPA) is a non-governmental organization National body representing over 1 million pharmacists and pharmaceutical scientists from Industry, Academia, Regulatory, Hospital and Community Pharmacy and work to meet the India's health care needs.
SFE	Membership	Society for Ethnopharmacology (SFE) is constituted by the eminent academicians, researchers, industrialists with the vision of providing an environment for knowledge sharing among researchers, healthcare practitioners, and decision-makers interested in Ethnopharmacology.
FIP	Membership	The International Pharmaceutical Federation (FIP) is the global body representing over 4 million pharmacists and pharmaceutical scientists. It works to meet the world's health care needs. FIP is a non-governmental organisation that has been in official relations with the World Health Organization since 1948.

<https://www.vupune.ac.in/placement>

## VU Research Publications

Research and Innovation lie at the core of the institutional commitments of Vishwakarma University. This unwavering commitment to research, a commitment that is intrinsically linked to the ideals and objectives encapsulated in Sustainable Development Goal 17 (SDG 17) - Partnerships for the Goals. Research, both within our institution and through dynamic collaborations with local and global stakeholders, forms the cornerstone of our dedication to driving positive change in our society and the world at large.



We recognize that achieving the ambitious targets of the SDGs necessitates active engagement with diverse partners, from academic institutions to governmental bodies and industry leaders. Through research, we actively seek solutions to complex challenges, foster sustainable development, and promote social well-being.

To address this health problems of villages, under UBA, Vishwakarma University installed water hut of capacity 500 Litters per Day to provide safe and clean drinking water in these adapted villages.

<https://research.vupune.ac.in/2022>

### Unnat Bharat Abhiyan Certificate

Vishwakarma University has adopted five villages in 2019, under Unnat Bharat Abhiyaan. Initially students of Vishwakarma University carried out survey in these adopted villages namely Samrevadi, Bhilarwadi, Thoptevadi (Ghera), Thoptevadi (Purva) and Mordari situated near Sinhgad Fort, Pune, Maharashtra. 67 students of Bachelor of Engineering interacted with the villagers on different issues related to water, sanitation, health and hygiene under the guidance of UBA Coordinator, Prof. Kailas Bhosale. Survey reflected that the residents lack many primary facilities including pure drinking water. The comprehensive survey assisted in identifying the issues persisting in basic amenities. Students found that villagers were using water from wells but the quality was very poor. As a result villagers face various medical issues. Students also found that medical facilities were far away from their houses and villagers need to travel long distance to access them.

Parallely, with the aim of creating awareness and sensitizing the residents, students interacted on to one and explained them about the best sanitation practices. Also residents were made aware about the water related problems and importance of clean drinking water. Focus was given on providing one of the basic amenities i.e. Pure Drinking Water which is of prime importance was targeted by the Vishwakarma University, through the Water Quality Centre of Excellence.

VU is involved in rural development, environmental preservation, the health industry, and information technology in order to aid the government's efforts to attain the SDGs. VU has selected four villages as part of the Unnat Bharat Abhiyan to address the drinking water issue. Vishwakarma University has been awarded a special perennial fund of 1,75,000 (Approx 2102 USD) for effective delivery of UBA Mandate. These funds wrne approved n 2020, recieved in 2021

[https://drive.google.com/file/d/1TolVES9cQ\\_vfrLrftMupAHbl45iFi44e/view?usp=drive\\_link](https://drive.google.com/file/d/1TolVES9cQ_vfrLrftMupAHbl45iFi44e/view?usp=drive_link)

### Maharashtra State Faculty Development Academy, a Government of Maharashtra

The collaboration between Vishwakarma University and MSFDA (Maharashtra State Faculty Development Academy, a Government of Maharashtra undertaking) will galvanize the provisions of National Education Policy, 2020 and State Government's focus towards addressing unmet industry needs.

Towards this end, VU will develop this partnership to make it capable for

- Overall mindset changes & empowerment of stakeholders towards meaningful industry
- Collaboration
- Inculcating entrepreneurial mindset amongst faculty, students and other stakeholders
- Facilitating industry-led projects through Centres developed in various HEIs
- Enable, in HEIs, research driven by real-life problems through capacity building
- Promote collaborative efforts for Intellectual Property generation by HEIs/Industry



VU helps them to develop an Ecosystem of research and innovation across the State through trainings/ capacity building and development of similar Innovation and Cutting-edge Technology Centres in specific HEIs to create a 'Hub and Spoke' model. Trainings will be imparted in critical areas of Innovation, Leadership, Collaboration, Industry Connect and Digital Presence. Industry Advisory Boards comprising of leaders from diverse industry sectors (for e.g. MSMEs, digitalization, agriculture, sustainability, and informal/unorganized sector) will be constituted to (i) understand the specific industry needs (ii) buy-in their support for collaboration with academia in nurturing innovation and (iii) enable mobilization of industry resources for completion of innovation value chain. The knowledge product developed will be utilized for trainings and as a follow-up resource. Multimedia-enabled knowledge products will be standardized for use by HEIs to enable quality scaling up and consistency and made available digitally. The key differentiators of this initiative will be that it will be driven by Passion, People, Partnerships, Practicality, and Pragmatism. VU has already established and operationalised such Centre with these principles and is therefore placed well to help MSFDA in this endeavour.

[https://drive.google.com/file/d/1mEqTv3glJKcKgnEK4ExpKq3ot-G6u\\_q/view?usp=drive\\_link](https://drive.google.com/file/d/1mEqTv3glJKcKgnEK4ExpKq3ot-G6u_q/view?usp=drive_link)

### **Bamboo Makhar Design Project**

Vishwakarma University partnered with Maharashtra Bamboo Promotion Foundation (Government of Maharashtra undertaking) to come up with designs that replace Makhars (Ganesh Festival decoration) that are made of thermocol, styrofoam, wood etc to Makhars that are made of sustainable materials like bamboo. Participants were guided by highly experienced and qualified faculty member from industry and Vishwakarma University. More stress was given on how bamboo can replace thermocol sheets that are largely used currently and other hazardous materials. Participants were be guided on how to design for efficient packaging considering that these Makhar (units) will be sent to marketplaces of major cities. Upon completion of concept sketches, students visited Bamboo Tales, Bavdhan to assist in prototype creation of selected concepts. Artisans at Bamboo Tales built the prototypes to check the feasibility and manufacturability of the designs. Once designs were good to go, they will be mass manufactured for markets for testing and marketing. Local craftspeople will be trained to manufacture the designs so that it can add on to their income sources and boost the local economy. The primary objective of this project is to promote bamboo as a sustainable material and to provide employability avenues for local craftsmen.

Maharashtra Bamboo Promotion Foundation (Government of Maharashtra undertaking) is paying 1,97,060 (Approx 2362 USD) for this project.

Report Link:

[https://drive.google.com/file/d/1beSK6zX74tYI\\_zRt6AzEmO\\_0p0jh7red/view?usp=drive\\_link](https://drive.google.com/file/d/1beSK6zX74tYI_zRt6AzEmO_0p0jh7red/view?usp=drive_link)





## Best Practices

### HOF

## Building a Strong Partnership: The Journey of Hof University and Vishwakarma University

### Introduction:

The partnership between Hof University and Vishwakarma University has been a remarkable journey, fostering collaboration and creating opportunities for students from both institutions. This report outlines the key milestones in their partnership, including the establishment of Vishwakarma University and the opening of the Hof-VU Satellite Center, highlighting the common themes that have defined this enduring partnership.

### Milestones in the Partnership:

The partnership's origins trace back to the initial connection established between Hof University and Vishwakarma Institute of Technology (VIT) in Pune, India, laying the foundation for forthcoming collaborations. This connection was further strengthened through collaborative endeavors with Vishwakarma University in 2017.

The two universities fostered a culture of continuous visits and engagement, building relationships and exploring opportunities for joint initiatives. Agreement Signed on 7th February 2019, an official agreement was signed between Hof University and Vishwakarma University, formalizing their partnership.

Since October 2019, Exchange Students from Vishwakarma University began coming to Hof every semester, promoting cultural exchange and academic growth.

The joint Master's program in Sustainability Management (M.B.A. & Eng.) was inaugurated on January 2021, attracting students from all over India and exemplifying the universities' commitment to academic excellence.

The most recent milestone was the opening of the Hof-VU Satellite Center on the Vishwakarma University campus in September 2022, symbolizing a close partnership and shared commitment to education.

The idea for the Satellite Center was nurtured through multiple meetings, highlighting the universities' dedication to innovation and collaboration. During the winter semester 2022, students from Hof University's Graduate School played a pivotal role in designing the center as part of a SCRUM project, showcasing the practicality and innovation of their partnership.

Vishwakarma University's Faculty of Art and Design assumed leadership in transforming students' ideas into reality by establishing the Satellite Center, demonstrating their commitment to making collaborative visions come to life.

**Exchange Program:** A consistent flow of students between Vishwakarma University and Hof University ensures a rich cultural exchange and enhanced learning experience.

**Joint Study Programs:** The introduction of joint Master's programs and collaborative research initiatives emphasizes the universities' shared commitment to academic excellence.

**Strong Industry Connect:** Both institutions prioritize connecting students with industry partners to provide practical, real-world experiences.



Modern Practice-Oriented Learning & Teaching: A focus on practical, industry-relevant education methods enhances the learning experience for students.

Digital-Supported Learning: The integration of digital tools and resources facilitates education in an ever-evolving digital landscape.

#### Conclusion:

The partnership between Hof University and Vishwakarma University, as evidenced by their journey and milestones, is a testament to the power of collaboration in the academic world. It continues to thrive and evolve, benefiting students, faculties, and the broader educational community. The opening of the Satellite Center stands as a symbol of the progress made and the boundless potential for future endeavors between these two prestigious institutions

[https://drive.google.com/file/d/1HOZvXSvWtebXQ2gPHWy2YUy0LmmOHj2q/view?usp=drive\\_link](https://drive.google.com/file/d/1HOZvXSvWtebXQ2gPHWy2YUy0LmmOHj2q/view?usp=drive_link)

#### VU IPAR Model

Vishwakarma University has initiated an exceptional, award-winning 'Inclusive Participatory Developmental Model' known as iPAR. This model provides a dynamic platform for close collaboration with government, social enterprises, industries, and the community, facilitated through its transdisciplinary centers of excellence.

Within this innovative framework, VU promotes the ethos of "innovate, integrate, and educate," encouraging active engagement in addressing real-world challenges in conjunction with industry partners to foster innovation. Furthermore, it integrates students and faculty members into the innovation process, providing hands-on learning experiences.

This pioneering model has gained global recognition, and VU was honored with the Leadership and Management Team of the Year Award at the 2023 THE Awards Asia. The judges praised VU for its profound commitment to the community and recognized its exceptional contributions to society.

Through this model, VU aims at engaging with civil society, industry, government agencies, and social enterprises to create a holistic and sustainable academic ecosystem for students on one hand; and on the other hand, create equitable opportunities of empowerment for individuals and communities regardless of their social, economic, cultural, or demographic background by facilitating tools, resources, and knowledge thus, strive for finding long-term sustainable solutions.

Booklet link:

[https://drive.google.com/file/d/1QRXgfUbdjti3EZHoqZGBM3JQ4Wx4X-Qs/view?usp=drive\\_link](https://drive.google.com/file/d/1QRXgfUbdjti3EZHoqZGBM3JQ4Wx4X-Qs/view?usp=drive_link)





## Harvard Business School courses

Vishwakarma University is pleased to collaborate with HBS online to offer its students, faculty and alumni exceptional and enriching learning online experience to stay relevant in the ever-changing business environment.

The collaboration with Harvard Business School Online reflected international union in this unprecedented time of corona pandemics. Harvard Business School Online offers a unique and highly engaging way to learn vital business concepts.

## Legal Aid

The Faculty of Law was established under the Faculty of Law in 2018 as a centre for legal research and education. The department runs PhD, LLM, LLB and BBA-LLB programmes. In line with Article 39A of the Constitution of India, which advocates for equal access to justice for all, regardless of their vulnerability based on factors like religion, race, caste, economic status, and place of birth, Vishwakarma University established the VU Legal Aid Clinic on October 26, 2021. The clinic welcomes students from the Faculty of Law and other academic disciplines to volunteer and engage in legal aid initiatives. This unique opportunity enables students to connect with diverse segments of society, gain insights into their specific legal challenges, and formulate legal remedies. The Legal Aid Clinic also conducts interdisciplinary research projects addressing socio-legal issues. It collaborates with nonprofit organizations and community-based groups to identify the distinct legal needs of marginalized populations. Additionally, the clinic collaborates with the judiciary and government agencies to enhance access to a broader range of cases and also partners with technology companies to develop digital solutions for legal issues

[https://www.linkedin.com/posts/vishwakarmauniversity\\_best-all-india-legal-aid-clinic-student-lawyer-activity-7006501698147872768-qptC/?utm\\_source=share&utm\\_medium=member\\_android](https://www.linkedin.com/posts/vishwakarmauniversity_best-all-india-legal-aid-clinic-student-lawyer-activity-7006501698147872768-qptC/?utm_source=share&utm_medium=member_android)





## NTU Singapore for Connectomics in Pune

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

Brochure Link:

[https://drive.google.com/file/d/1QrWQcLzvLe716UuB9hRql6FcKB9ZLS4\\_/view](https://drive.google.com/file/d/1QrWQcLzvLe716UuB9hRql6FcKB9ZLS4_/view)



## Centres of Excellence

In our relentless pursuit of advancing Sustainable Development Goal 17 (SDG 17) - Partnerships for the Goals, Vishwakarma University takes great pride in its diverse array of 13 Centers of Excellence. These centers span a wide spectrum of disciplines, ranging from the sciences to water management, health, communication, entrepreneurship, teaching and learning, and sustainability, to name just a few. These centers serve as dynamic hubs for fostering collaboration and knowledge-sharing among our faculty, students, and industry partners.

Our Centers of Excellence provide a platform where academia and industry converge, facilitating networking, and forging vital connections. They serve as incubators for live projects, encouraging a 'learning by doing' approach that nurtures innovation and research. These collaborative endeavors not only bridge the gap between theory and practice but also equip our students with the skills and experiences that will empower them to meet the complex challenges of the 21st century.

Through these Centers of Excellence, we are committed to nurturing a culture of innovation and entrepreneurship, transcending traditional boundaries and embracing the spirit of partnership. As we embark on our journey towards SDG 17, we are confident that these vibrant centers will continue to be the driving force behind the transformative collaborations that will help us collectively address global challenges, foster sustainable development, and build a better future for all.



**Following are the Centres of Excellence in Vishwakarma University:**

1. VU-IQUBE
2. Centre of Excellence for Energy and Sustainability
3. VU centre of Excellence for Biosystems, Biomedical and Drug Delivery Technologies
4. Wilo-VU Water Quality Centre of Excellence
5. Centre of Excellence for Innovation in Built Environment and Research Generation- i-BERG
6. Centre of Excellence for Health Informatics
7. VU-BU Centre of Excellence for Design Thinking and Innovation
8. Centre for Teaching and Learning
9. VUCCD
10. VU-Wellness Center of Excellence (VUWCOE)
11. Centre for Industry 4.0
12. Vigyan Centre of Excellence
13. Unity Centre of Excellence



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