



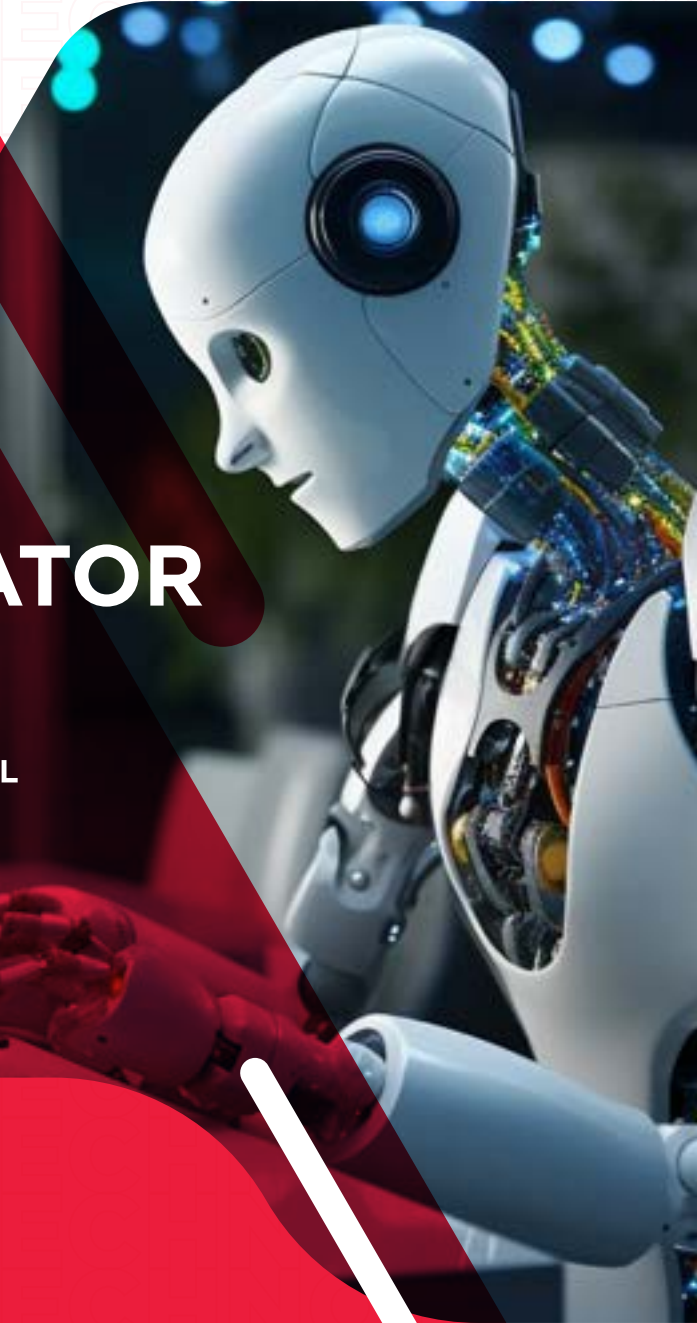
ATLAS
SKILLTECH
UNIVERSITY

uGDx

School of
Technology

INSPIRING THE INNOVATOR IN YOU

COMPUTER SCIENCE, ARTIFICIAL
INTELLIGENCE AND ROBOTICS



BACHELOR OF TECHNOLOGY

B.TECH

in CS, AI & ROBOTICS

FOUR-YEAR UNDERGRADUATE PROGRAM



atlasuniversity.edu.in

Welcome to ATLAS

A campus beyond the ordinary!

Located in the heart of Mumbai, one of the world's top ten centers of commerce, ATLAS SkillTech University is an urban campus, a crucible of ideas, a melting pot of diverse perspectives and a launchpad for tomorrow's leaders reimagining education in the financial, commercial and entertainment capital of India.

Think of our university as an atlas, a navigator for India's youth, and a beacon of knowledge and inspiration that guides you towards your destination. We believe education is not just about absorbing information, but about forging your path, exploring new frontiers, and shaping your future. So, come join us at our university, where you can be part of a vibrant community that inspires you to reach new heights and achieve your dreams!



FROM THE PRESIDENT

DR INDU SHAHANI

Sheriff of Mumbai (2008-09)

Member, University Grants Commission (2011-14)

Principal, H.R. College of Commerce & Economics, Mumbai (2000-16)

“It is an exciting new world. A world full of excitement and innovation. A world full of new ideas. Where possibilities are limitless and success is at hand for the brave. As students reach forward into this future with both hands outstretched to grab success, it is our duty to nurture their minds and spirits. ATLAS SkillTech University will be one of the cornerstones of this philosophy.

We shall foster a spirit of innovation and impart skill sets that help our students in the new world. Our modern pedagogy and information dissemination methodologies allow us to create entrepreneurial leaders who have the sensibilities of the West while being driven by the enthusiasm of the East. This confluence of cultures will help our students push-start the entrepreneurial revolution in India which will create jobs and provide the backbone to India's race to super-powerdom. Powered by the vision of our youth.”

ATLAS ADVISORY BOARD



DEEPAK PAREKH
Former Chairman HDFC



KESHAV MURUGESH
Group CEO



KARAN SINGH
Managing Director



ANANT GOENKA
Managing Director



RAM RAGHAVAN
President,
Enterprise Oral Care



JAMIL KHATRI
Co-Founder & CEO



AVANI DAVDA
Strategic Advisor



ARYAMAN BIRLA
Founder



RUSS WINER
Professor of Marketing



TIM MARSHALL
Deputy
Vice-Chancellor



SANJAY GURBUXANI
VP, IBS AMEA &
Global Digital
Innovation



CAROL KIM
Vice President,
Global Recruitment,
Admissions &
Financial Aid



VIVEK PANDIT
Senior Partner,



ANITA DONGRE
Chief Creative
Officer



RONNIE SCREWVALA
Chairperson &
Co-Founder



DR. INDU SHAHANI
Founding President
& Chancellor



MAYANK KUMAR
Co-Founder &
Managing Director



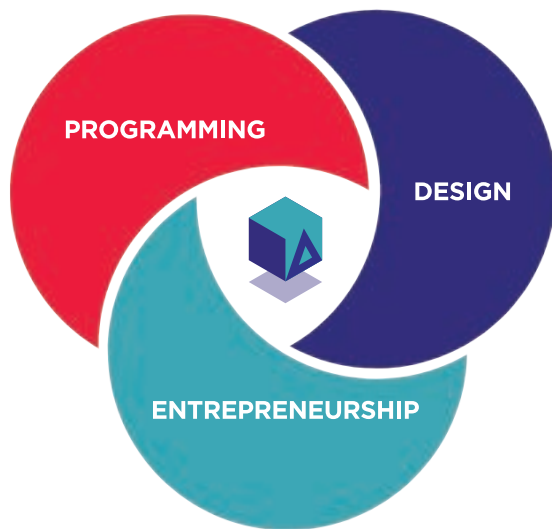
SIDDHARTH SHAHANI
Co-Founder &
Executive President



Study B.Tech at ATLAS | uGDX

The place where global tech leaders of the future are born

The ATLAS | uGDX School of Technology is the youngest member of the ATLAS family, collaborating with the Schools of Design and Management & Entrepreneurship. Built on a tech-enabled ecosystem, it nurtures future-ready professionals in digital technology while fostering global leadership. The B.Tech curriculum evolves with cutting-edge advancements in science and technology, with a strong focus on Computer Science, Artificial Intelligence, Machine Learning, and Robotics—preparing students for the future of work.



Learn to program advanced robots

Develop competencies to build tech startups

Create compelling tech experiences through innovation

B.Tech in CS, AI & Robotics at ATLAS uGDX

The B.Tech in CS, AI & Robotics (B.Tech. CS, AI & R) at ATLAS uGDX School of Technology is a cutting-edge four-year undergraduate program designed to meet the growing demand for skilled professionals in Robotics, Automation, Artificial Intelligence, and AI-driven product design and development.

This program equips students with essential technical expertise and design skills, combining strong theoretical foundations with hands-on learning. With a sharp focus on Intelligent System Design for industrial applications, the curriculum not only prepares students for dynamic industry roles but also provides ample opportunities for research in Robotics and Artificial Intelligence.





The ATLAS B.Tech Experience

MULTIDISCIPLINARY TECH EDUCATION

Learn not only AI & Robotics, but also a host of electives across the Design and Management schools and specialisations. Put the skills you learn to practical use through a unique semester-long internship.

MASTER CLASSES BY INDUSTRY LEADERS

Learn from the best professors renowned globally for their technology expertise. Masterclasses and industry sessions conducted by CTOs and CIOs of large companies.

CURRICULUM CO-CREATED WITH INDUSTRY

The B.Tech curriculum is co-created with industry stalwarts and leading CTOs, to ensure the skills you learn inside the classroom never become rusty.

URBAN CAMPUS EXPERIENCE

State-of-the-art infrastructure with modern classroom, high technology machines and creative labs to create an environment for you to thrive.

NEP 2020 INTEGRATED

The program is built on the interdisciplinary aspect of NEP 2020 there by students can learn through, discovery, inquisitive and exploratory based learning processes.

EXPERIENTIAL & HANDS-ON LEARNING

We believe in learning by doing. Work on live projects and cases to put your learnings in the classroom to practice in the real world.

ENTREPRENEURSHIP HUB

The ATLAS Venture Labs supports you through mentorship, training and capital to launch your technology startup from your classroom.

CAREER SERVICES

150+ partners for recruitment and internship. Get mentored by our Career Services team to crack your dream tech job.

ACADEMIC CURRICULUM

YEAR 1	SEMESTER 1 <ul style="list-style-type: none">• Introduction to Computer Science and Programming 1 (Pinnacle I)• Calculus 1• Foundations of Statistics and Probability for AI and ML• Databases and SQL• Chemistry• Fundamentals of CT, AI Robotics• Communication Skills for Digital World• ATLAS Electives	SEMESTER 2 <ul style="list-style-type: none">• Introduction to Computer Science and Programming 2 (Pinnacle II)• Mathematics for Computer Science• Calculus 2• Engineering Physics (Mechanics)• Statistical Modelling• Indian Health Sciences• Expository Writing• ATLAS Electives
	SEMESTER 3 <ul style="list-style-type: none">• Computer Organization and Architecture• Fundamentals of Robotics and Automation• Analog, Digital Electronics and Communication• Machine Learning Foundations (Pinnacle)• Model Thinking• ATLAS Electives• Foundational Literature of Indian Civilization• Data Structures, Files & Algorithm	SEMESTER 4 <ul style="list-style-type: none">• Sensors, Actuators and Electrical Systems• Fundamentals of Mechanical Engineering• Biology for Engineers• Advanced Machine Learning (Pinnacle as Laboratory)• Fundamentals of Material Science & Smart Materials• ATLAS Electives• Operating Systems and Networks• Business Plan Writing
YEAR 3	SEMESTER 5 <ul style="list-style-type: none">• Reinforcement Learning and NLP• Computer Vision and Deep Learning• Kinematics of Robotics• Entrepreneurship Development• Control Systems• Industrial Electronics and Power Converter• Cultural and Intellectual heritage of English	SEMESTER 6 <ul style="list-style-type: none">• Dynamic and Trajectory Planning• Theory of Machine and Machine Design• Cybersecurity and Blockchain• Mechatronic System Design• Manufacturing Processes and Additive Manufacturing• Language of Science & Technology (English)• Introduction to Indian Mathematics and Astronomy• Summer Internship
	SEMESTER 7 <ul style="list-style-type: none">• Internet of Robotics Things (IRoT)• Core Elective 1• Core Elective 2• Core Elective 3• Knowledge Graph• Constitution of India (Audit Course)• Research Methodology• Hydraulic and Pneumatic Controls for Robotics	SEMESTER 8: PROJECT /INTERNSHIP <ul style="list-style-type: none">• Internship and Project & Dissertation (Product Based)• Robotics Operating systems and Simulations• Advances in Robotics and Artificial• Intelligence
YEAR 4		

Elective Group 1		Elective Group 2		Elective Group 3	
Humanoids		Unmanned Aerial Vehicles		Perception and Intelligence	
Human Robot Interaction		Mechatronic System Design (Advanced)		Neuromorphic Computing	
Unmanned Aerial Vehicles		Underwater Vehicle Design		Brian Machine Interfaces	
Cloud Computing		Space Robotic		Emotional Computing	
		FPGA for Industrial Robotics		Quantum Computing for AI	

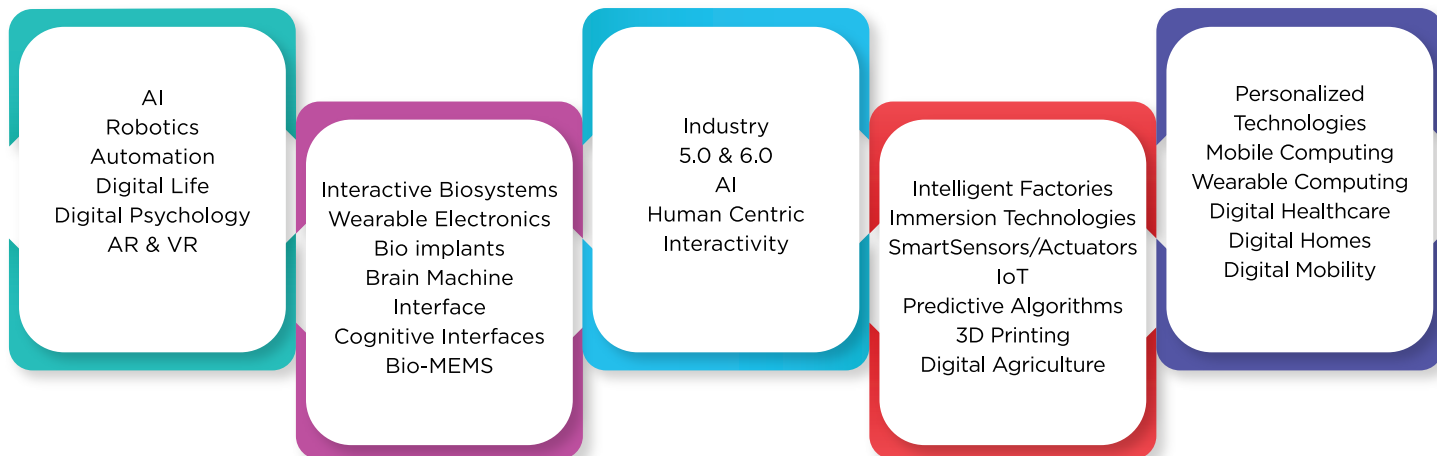
MULTIDISCIPLINARY LEARNING

Choose Your Electives, Shape Your Future

Art of Photography	The Finance Lab	Business of E-Sports	German Language
Spanish – Hola Espa	Art of 3D Modelling & Animation	Craft – The Future of Fashion	The Art of Calligraphy
The Writer’s Odyssey	Managing Change Using Dance & Movements	Fashion and Films	Behavioural Science in Action
Visual Mastery	Future Forward with AI	Kaat Chap	Experimental Cinematics
Blogging Unleashed	Unleash Your Creativity: Designing is Fun	Interactive Typography	Design through Trends: Clue to Concept
Japanese – Get Set Nihongo	Generative AI Applications Toolbox	Innovative Thinking	Empathetic Leadership
Prototyping	Cosmic Insights: The Art of Astrology, Numerology & Vastu	Blockchain Fundamentals	Cinema of the World
Ace Your Communication	Power & Politics	Nautanki Shaala	Colour Psychology
Trading on Stock Markets	Integrated Storytelling for Digital Marketing	AI Narratives: Storytelling through 2D Art	Tai Chi – Meditation in Motion
Deep Tech – Frontiers of Innovation	Design Futures – 3D Modelling & Digital Making	The AI Genesis: Fundamentals of Smart Systems	Canvas Painting: Flourish Your Imagination
Mandarin: How to Ni Hao	Culture in Motion – Exploring Society through Media	Panchatantra Reimagined: Modern Impact	All the World’s Your Stage: Using Theatre in Life
Sanskrit Essentials – Key to Ancient Indian Wisdom	Film Foundry: Crafting Stories, Building Audiences		

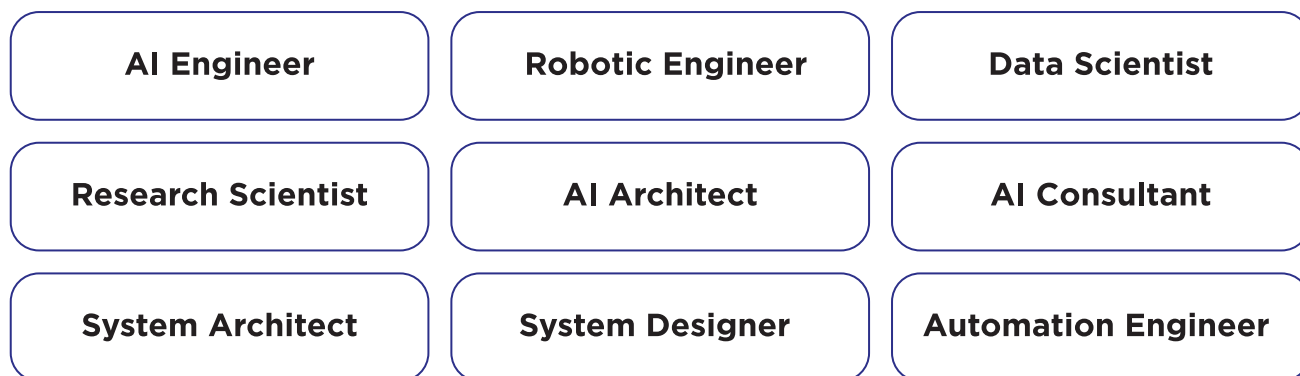
Empowering Tech Enthusiast To Become **A TECHNOLOGY TRAILBLAZER**

The program will give you the opportunity and flexibility to work across a broad range of industries and business functions



CAREER PATHWAYS

While the program will lay the foundation for your transformation into a global tech leader and innovator, there are many pathways to success that you can explore.



ATLAS FACULTY & STUDENT RESEARCH ACHIEVEMENTS

220

Faculty Publications in
UGC Care/Scopus
Indexed/WoS Journals

404

Book Chapters
Published

7.892

Highest Impact
Factor
for UGC Care
(Care 1 Listed
Publication)

50

Books
Published

30

Patents
Filed

1000

Publication
Drafts Submitted by
ATLAS Faculty

1100

Publication Drafts
Submitted by ATLAS
Students

150

Student Publications
(Book Chapters)

2

Copyrights

5

Conference
Proceedings as
ISBN

3.6

Highest Impact Factor for
Scopus Indexed Publications

STUDENT LIFE & BEYOND

Life at ATLAS SkillTech University is best captured in the word *mosaic*. With a swirl of multiple cultures, more than a dozen clubs and societies, state-of-the-art infrastructure including sports and fitness centres, cafes, fairs, events, and festivals, pick up the skills essential for future success and carry experiences that will inspire you to make a difference in the world. Come build lifelong connections, find your calling, take a step to live your dreams and be a changemaker.



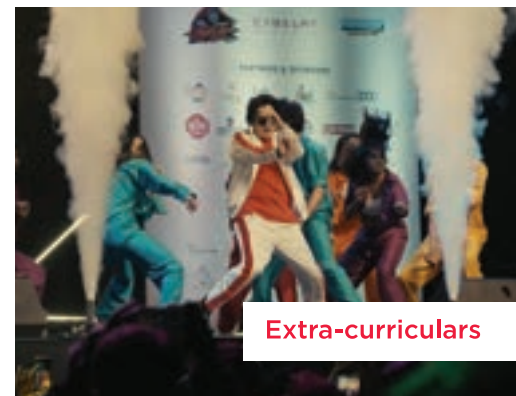
Festival celebrations



School Festival



Student Council



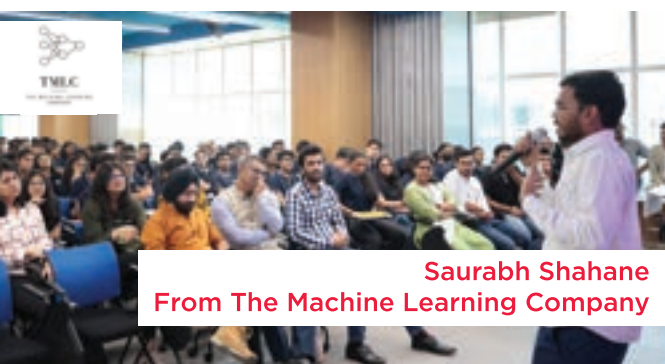
Extra-curriculars



Dr. Siamak Zadeh
From Golden Gate
University (US)



Samrat Paul From Zepto



Saurabh Shahane
From The Machine Learning Company

Along with a vibrant student life, students experience various entrepreneurial events throughout the year. Through collaborations with startups, government and large MNCs, our school supports student projects, fosters inclusivity, and promotes home-grown entrepreneurship aligned with the Make in India campaign. Our on-campus initiatives, such as the Centre for Innovation, Incubation, and Entrepreneurship (CIIE), ATLAS Shark Tank, and Uncode Series provide aspiring tech enthusiasts experience of how they can contribute to future developments and embark on their transformational journey.

One of the key benefits of industry-integrated, global learning is its impact on employability. Graduates with this type of education are highly sought after by employers due to their practical experience, global perspective, and readiness to adapt to the demands of a dynamic job market. These students are better equipped to tackle complex challenges, drive innovation, and make socially responsible decisions, making them valuable assets to organizations operating in a globalized world.

The program aims to nurture lifelong learners who are open to continuous growth and self-improvement. It instills a curiosity to explore diverse perspectives, develop innovative solutions, and contribute positively to society at both local and global levels.



GLOBAL LEARNING AT HOME

A week-long global learning and knowledge exchange across 26 transdisciplinary tracks across Design, Management, Technology and Entrepreneurship

Bringing global transdisciplinary learning home to our students, in the vivid city of Mumbai, the week prepares individuals to gain pragmatic knowledge from academic and industry leaders from around the world. The exchange aims to bridge the gap between academics and real-life learning and prepare the students to be leaders of tomorrow in a globally inclusive world.

350+
HOURS

25+ SPEAKERS

04
TRACKS

175+
SESSIONS

GLOBAL IMMERSIONS

Explore Multicultural Work Cultures

Learn Global Business Practices

Experience Cross Cultural Communications

With global associations across continents, our students have the opportunity to access global learning through immersions and student exchange. They develop a global mindset enabling them to be empathetic and informed leaders and holistic thinkers. Students have travelled to booming urban cities such as London, Paris and New York to understand and experience what their future may look like.





VENTURE LABS

Your first step towards becoming an entrepreneur

Equipping aspiring entrepreneurs with resources, mentorship, and funding to fuel startup growth, empowering future disruptors and leaders. The aim is to encourage students to develop entrepreneurial skills and consider entrepreneurship as a career choice, providing essential tools for success to drive positive change for a prosperous, sustainable world.

DEDICATED MENTOR POOL

ATLAS STARTUP INCUBATOR

SKILLTECH VENTURE FUND

THE SCHOOL OF STARTING UP



Peyush Bansal, CEO, Lenskart
Ronnie Screwala, Chairperson & Co-Founder, upGrad

IMMERSE YOURSELF IN VALUABLE INDUSTRY KNOWLEDGE WITHIN YOUR CLASSROOM, GUIDED BY EXPERT PROFESSIONALS.



Avani Davda
Strategic Advisor
Bain Advisory Network



Mukul Deoras,
President (Asia Pacific),
Colgate-Palmolive (India) Ltd.



Mayank Kumar,
Co-Founder, upGrad



Sunita Wazir,
Senior Manager, Global Wellbeing, Hindustan Unilever Ltd.

MASTERCLASSES

Your educational journey at ATLAS is filled with opportunities to excel and prepare for your future careers. One of the most effective ways to enhance your learning experience is by actively seeking knowledge from industry experts. These seasoned professionals and industry leaders bring a wealth of practical knowledge and firsthand experience right into your classroom, providing invaluable resource for your academic and professional development. Through various channels, masterclasses, event and University initiatives, you have the chance to engage with industry experts and grow your network even before you graduate!



Deepak Parekh,
Former Chairman, HDFC

GROW YOUR NETWORK PREPARE FOR A GLOBAL FUTURE

With global associations across continents, our students gain exposure to global immersions, student exchanges, masterclasses by renowned professors while they study at ATLAS in Mumbai. Developing a global mindset helps them to prepare and make informed decisions to pursue Masters' at top ranked universities and institutions globally. At ATLAS | uGDX, students will have opportunities to be able to transform ideas into thriving opportunities for themselves that contribute significantly to the national and global economy.



Imperial College
London





EXPERIENCE INDUSTRY EXPERTS IN YOUR CLASSROOM

OBSERVERSHIP

INTERNSHIP

PLACEMENT

We collaborate with a range of organizations, including startups and industry leaders like Google, Deloitte, TATA Group, and HSBC. These partnerships offer our students unique learning and working experiences. CXOs, CEOs, CMOs and thought leaders often use our classrooms to share their stories and learnings through masterclasses, curriculum advice, mentoring, and more. Our students are prepared to be industry-ready from day one - equipped with interdisciplinary skills for impactful careers that shape the global landscape.

Google



BCG



viacom 18

Infosys®

BAIN
& COMPANY

SAMSUNG



KPMG

Tech
Mahindra

Morgan Stanley

[RBL]¹⁰

ICICI Bank

Mondelez
International

PHILIPS

LTI
Let's Solve

tcs
TATA
CONSULTANCY
SERVICES

HDFC BANK



Dr.Reddy's



DSR

VOLTAS · beko



CISCO

upGrad

HITACHI
Inspire the Next

IBM

ADMISSION PROCESS

At ATLAS, we believe in spending time with each applicant before we make a selection. Therefore, we accommodate a limited number of students on a particular day at each venue.

Therefore our entrance exam is conducted on multiple dates and various locations.

Eligibility Criteria

- 50% marks in 10+2 or equivalent with a major in Physics, Mathematics and Chemistry/Electronics/Computers etc.
- A National/State Common Entrance (CET/JEE) Test score.

And/Or

- ATLAS uGDX entrance exam.

STEP 1



Fill The Online Application Form

on www.atlasuniversity.edu.in
& submit a Statement of Purpose

STEP 2



uGDX Challenge

Students will need to take
an online aptitude test

STEP 3



Personal Interview

Shortlisted students will
undergo a Personal Interview

STEP 4



Result Announcement

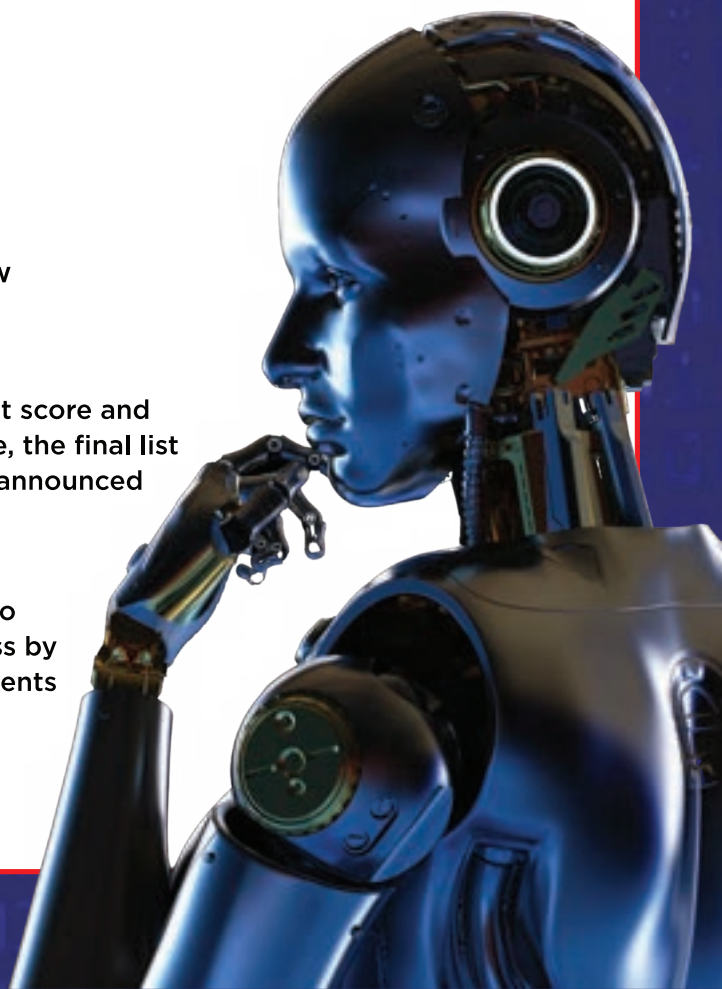
Based on the SOP, entrance test score and
the personal interview outcome, the final list
of shortlisted students will be announced

STEP 5



Enrolment

Shortlisted students will need to
complete the enrolment process by
submitting the required documents
and paying the enrolment fees





To know more about the program

Contact Us:



+91 89768 70842



btech@atlasuniversity.edu.in



ATLAS SKILLTECH UNIVERSITY

Tower 1, Equinox Business Park,
Off Bandra-Kurla Complex (BKC),
LBS Marg, Kurla West, Mumbai - 400070



Scan to know more
about the course



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