

# Bachelor of Technology

## in Climate Change

4-year, full-time,  
undergraduate engineering  
programme



Anant School for Climate Action



ANANT  
NATIONAL  
UNIVERSITY  
॥ प्रजासिद्धो ज्ञानमयः परीयः ॥

India's First  
**DesignX**  
University

# Anant School for Climate Action



The Anant School for Climate Action is India's pioneering institution dedicated to climate education and is one of the 4 schools at Anant National University, Ahmedabad. The school offers comprehensive sustainability-focused programs at both the undergraduate and postgraduate levels, including a distinctive Bachelor of Technology in Climate Change. Notably, the BTech in Climate Change is India's first and only engineering degree programme that prepares students for the currently USD 20 billion climate industry globally.

Anant National University, India's first DesignX university, is dedicated to training students to devise solutions for global problems through creative thinking.

## Programmes Offered



### Bachelor of Technology in Climate Change



### Anant Fellowship for Climate Action



### Anant Fellowship in Sustainability and Built Environment



“The world is heading towards a climate crisis. The most vulnerable populations of the world will be the most severely affected by it. To mitigate this, industries across sectors including us at Piramal Group realise that industry needs to adapt production processes and products to be climate resilient. There are also increased international and national regulatory pressures on industry to measure, disclose, and improve business parameters that impact climate. There are therefore great opportunities for technological advancements. However, where are the skills to do this? Anant has been a pioneer in climate education by establishing the highly coveted Anant Fellowship for Climate Action 3 years ago. Anant is now offering a 4-year Bachelor of Technology degree specialising in Climate Change starting August 2022. This will be India’s first undergraduate degree focusing on climate technologies.”



**Mr Ajay Piramal**  
President, Anant National University  
Chairman, Piramal Group

“BTech students specialising in Climate Change at Anant will learn to use engineering tools and design thinking principles for creating technology solutions for climate change. The programme has the most talented faculty to teach and a state-of-the-art Climate Lab. Students will work on industry projects starting from the 1st semester itself, to get them job-ready for the \$23 trillion global climate industry.”



**Dr Pramath Raj Sinha**  
Founding Provost, Anant National University  
Founder and MD, Harappa Education and 9.9 Group  
Founding Dean, ISB, India

“The reasons and implications of climate change in India and certain other emerging nations differ from those in the rest of the world. Thus there is a need for a specialised climate studies programme that gives a regional context. It is important to train students to find and implement solutions, and develop technologies to adapt to and mitigate climate change for India as well as other parts of the developing world.”



**Dr Anunaya Chaubey**  
Provost, Anant National University  
Former Deputy Dean, Young India Fellowship

“Measuring, predicting, mitigating and adapting to climate change needs an influx of new technologies as well as millions of people skilled in the use of existing and new ones. We are glad to establish India’s first undergraduate degree related to climate as this will effectively move our country and the world closer to the goal of zero-emission. I invite students to become engineers who solve for climate change, and request parents to support the students in their unique choice of this job-oriented and specialised engineering degree offered by Anant.”



**Dr Miniya Chatterji**  
Founding Director, Anant School for Climate Action  
Chief Executive Officer, Sustain Labs Paris



For individuals determined to create technology-driven solutions for climate change.



Looking for a career in climate technologies and their application in industry, government, and advanced research.



To become engineers who solve for climate change.

Do you recognise yourself in this? Please apply to join the Bachelor of Technology in Climate Change!

# Bachelor of Technology

## specialising in Climate Change

4-year, full-time,  
Undergraduate engineering degree Programme

The unique BTech degree at Anant is an engineering degree Programme specifically for innovating in climate technologies. It is the only undergraduate degree programme in India offering students specialisation in climate technologies and thus providing them an opportunity to be part of the \$20 billion climate economy globally.

Students learn to use engineering tools and design thinking principles with practical application-oriented learning at Anant's Climate Lab, within industry, government, and research laboratories for creating technology solutions for climate change.

## International immersions

### Sustain Labs Paris

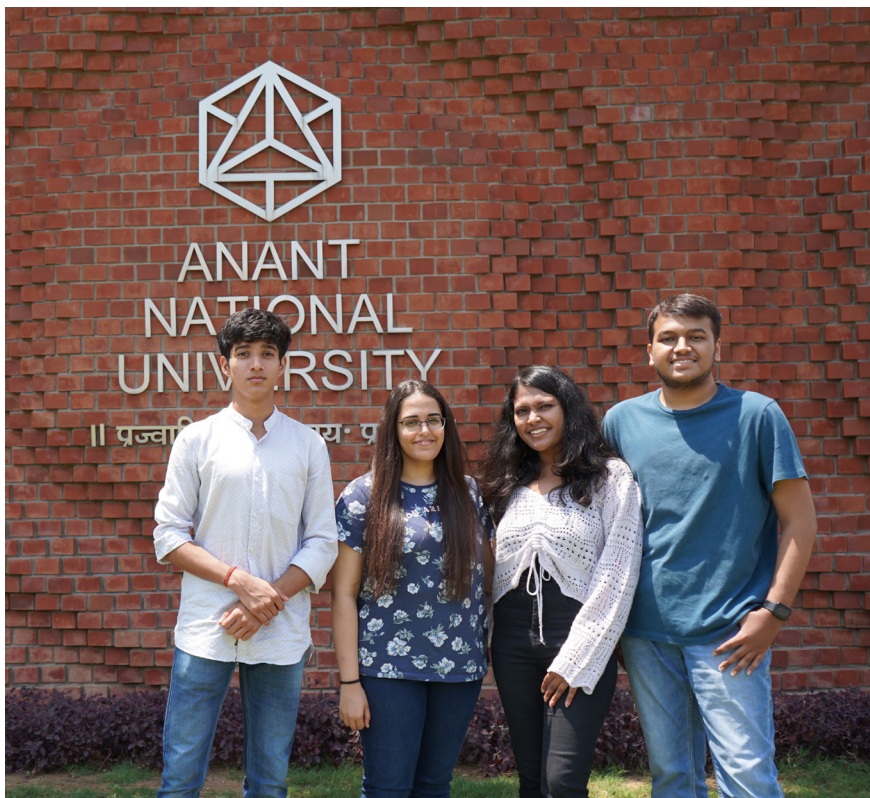
Sustain Labs Paris co-manages with Anant the B.Tech in Climate Change programme. Sustain Labs Paris is the world's largest sustainability and climate focused venture builder. Based in the UAE, India, and New Zealand it establishes and manages new ventures and assets that profoundly move the needle towards a sustainable future. Sustain Labs is the only organisation globally that specialises in establishing and running climate focused higher education institutions. Additionally, Sustain Labs Paris works with large global companies as well as governments, start ups, universities, and development projects on establishing new ventures, organisational transformation, building infrastructure, scientific research, and sustainability strategies to move towards net zero.

Learn more about Sustain Labs Paris here <https://www.sustainlabsparis.com>.

### MIT Solve

MIT Solve of the Massachusetts Institute of Technology (MIT) is a hub for social impact through technology, identifying and supporting tech-driven entrepreneurs globally. During 2021-24, the students of Anant School for Climate Action immersed in Solve's innovation challenges, applying their knowledge to real-world problems. Students discovered and united with MIT Solve's global community of innovators and entrepreneurs, leveraging MIT's ecosystem to devise sustainable solutions to critical challenges.

Know more about MIT Solve here <https://solve.mit.edu/>



## The Villars Institute, Switzerland

Students from Bachelor of Technology in Climate Change are selected to be a part of the Villars Institute Fellowship programme. The Anant School for Climate Action is the first university in Asia to partner with the Villars Institute. The Villars Institute is one of the world's most acclaimed institutions that focuses on investing in young people (13 - 19 years of age) to accelerate the transition to a net-zero economy and to restore the health of the planet for all of its inhabitants. Located in the Swiss Alps, the Villars Institute is a platform for systemic change and a place for intergenerational collaboration. It is also a curator of artistic, cultural, and sports activities that promote biodiversity, planetary health, and sustainable development.

4 students from Anant School of Climate Action were accepted as Villars Fellows in both 2023 and 2024.

Learn more about the Villars Institute here

<https://villarsinstitute.org/>.

# The urgent need for engineers specialising in climate technologies



Estimated size of the global climate industry opportunities expected in 2030 is **\$23 trillion**.



**22.4% growth** in the share of job postings on LinkedIn requiring **green skills** in 2022-23.



**24 million new jobs** are expected to be created globally for the greener economy by 2030.



Indians employed in **clean energy sectors increased by 47%** in 2021-22.



India to create **3 million\*** renewable energy jobs by 2030 and **50 million jobs\*\*** representing upwards of a \$15 trillion economic opportunity by 2070.

\*International Financial Corporation

\*\*World Economic Forum, 2021

## How can technology mitigate climate change?

Technologies help us measure, simulate, and predict climate scenarios. Across sectors, technologies can help reduce greenhouse gases and capture carbon. Technology is also crucial for establishing renewable energies such as wind energy, solar power, and hydropower. Further, there are also technologies for climate repair, improving air quality and energy efficiency. Most solutions for mitigating or adapting to climate change require supportive technologies.

## Career opportunities

There is a surge of demand for climate engineers yet the supply of talent is very little. Approximately 120,000 people globally, and less than 5,000 people in India, are formally trained to adequately cater to the \$23 trillion global climate industry opportunities expected until 2030.

According to the International Finance Corporation (IFC), India and Bangladesh together are expected to attract \$ 2.5 trillion worth of opportunities related to climate-resilient infrastructure. IFC projects in India alone have the potential to create 3 million renewable energy jobs by 2030. The World Economic Forum also supports the tremendous scope for jobs in the climate industry by forecasting that India's transition to a green economy could potentially create 50 million jobs by 2070 representing upwards of a \$15 trillion economic opportunity.

## Eligibility to apply

Passed 10+2 examination with Physics/ Mathematics/Chemistry/ Computer Science/ Electronics/ Information Technology/ Biology/ Informatics Practices/Biotechnology/ Technical Vocational subject/ Agriculture/ Engineering Graphics/ Business Studies/ Entrepreneurship

## Required documents

- **Letter of motivation**

The letter should answer these questions: Why do you want to join the programme? What are your interests and experiences related to climate action, environment, sustainability?

- **Curriculum Vitae:**

Your resume should help us know who you are outside the classroom as well

- High school marks/grades of Classes X, XI and XII. If Class XII examination results are not out, results of 1st semester/ pre-board examination will be accepted.



## About the programme

During the unique 4-year undergraduate engineering degree programme in Climate Change, students will learn to build technology solutions for mitigating or adapting to climate change, use specialised software for simulating climate impact and be part of live industry climate projects at the Climate Lab from the day they join. They will have the chance to specialise in using climate technologies for business or policy, as well as a deeper specialisation in climate change itself. The final semester is a mandatory industry immersion where students are placed within the \$23 trillion climate industry co-guided by an industry and an academic guide.

The curriculum is designed such that Semesters 1 - 6 offer incremental steps across 8 climate change streams as well as applied research in the Climate Lab. The final 2 semesters offer students the opportunity to take courses they might have not been able to pass or take earlier, and focus on specialisation and then full industry immersion.



Emphasis on industry experience



Leveraging design thinking for creating technology solutions for climate change



Climate Lab

Year 1	Year 2	Year 3	Year 4
Incremental steps in 8 streams (detailed below), Climate Lab applied research projects, Internship and industries projects			Specialisation and industry experience

## Focus on student driven research



The Anant School for Climate Action is involved in research through its research centre, the Anant Centre for Sustainability, a think-teach-do tank that focuses on climate action, affordable housing, sustainable materials & industrial ecology, and building sustainable education campuses in India, and building sustainable education campuses in India.

## Anant Climate Lab



This is India's first school to offer this unique concept— a Climate Lab to its students and faculty. The lab's modern infrastructure includes a wide range of equipment as well as latest software solutions.



- Automated weather stations
- Piezometric sensor
- Tipping bucket rain gauge
- Solar radiation measuring instrument
- Hybrid microgrid laboratory
- WAsP software for wind resource assessment
- PVsyst – a PC software package for studying and simulating PV systems
- HOMER Pro® microgrid software – global standard for optimising microgrid design. HOMER (Hybrid Optimisation Model for Multiple Energy Resources) nests three powerful tools in one software product
- Cup anemometer and vane anemometer
- Thermo-hygrometer with radiant screen sensors
- Thermoelectric pyrheliometer
- Atmospheric attenuation and electric field simulation
- TerrSet – integrated geographic information system and remote sensing software
- Hybrid microgrid laboratory – testing set up for combined performance under variable load condition
- SimaPRO life cycle analysis software



# YEAR 1

## Climate engineering tools

### Semester 1 and 2

Students will be part of Foundation Year courses that introduce them to climate change and technical drawing. They will gain expertise in climate engineering tools and be introduced to key concepts such as earth and space system evolution, biogeochemical cycles, basics of geo-engineering, climate finance asset management, climate and energy, amounting to course work of 20 credits. 4 credits are attributed to applied research projects in the Climate Lab.

## Application

### Semester 3 and 4

Students will learn to apply the tools they have gained expertise in the previous semester. They will also gain an understanding of meteorology and atmospheric sciences, pollution aquatic systems, solar-terrestrial relations, financial products origination, and environmental policies. They will be introduced to behavioural sciences and will learn to leverage design thinking for innovative solutions in climate action.

While the aforementioned course work will amount to 20 credits, 4 credits continue to be attributed to applied research projects in the Climate Lab. Students will have the opportunity to receive international exposure through opportunities like visits to the MIT, USA campus, attending massive open online courses (MOOCs) offered by MIT, USA, and availing micro-grants awarded from MIT, USA.

# YEAR 2

## **Technology solutions for climate change**

### **Semester 5 and 6**

Equipped with tools and having learnt to apply them to climate solutions, students will now focus on creating technology solutions for climate change through courses amounting to 20 credits. They will learn how to make climate predictions, do space weather modelling, create and scale-up clean energy technologies. They will be encouraged to understand the context of developing economies and create technology solutions especially adapted to these regions.

Continuing with the emphasis on industry experience, 4 credits are attributed to applied research projects in the Climate Lab during Semester 5 and 6 as well.

## **Specialisation**

### **Semester 7 and 8**

In Semester 7, students will choose and pursue 20 credits of specialisation training in any of the following 3 areas: climate in business, climate policy, innovation.

In Semester 8, every student will be placed on industry projects. They will work on live climate change projects within external organisations, co-guided by an academic and industry partner. This will make for a smooth transition of the student from university to the surge of jobs within the \$23 trillion climate industry.

There are 8 streams through Semester 1—6.

Each stream will have 6 incremental steps across 6 semesters.



Climate simulation



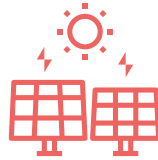
Engineering mathematics



Environmental engineering



Climate chemistry



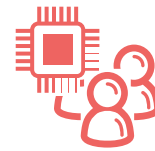
Energy and technology



Climate finance



Design thinking and behavioural science



Technology and society

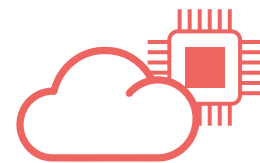
In Semester 7, the students get 20 credits of specialisation by choosing from the following:



Climate in business



Climate policy



Innovation

In Semester 8, students get 16 weeks of experiential learning with an industry partner on climate projects.



# Know More About Your Faculty



## Dr C. N. Tripathi

Dr C. N. Tripathi holds a PhD in Geophysics (Climate Change) from Banaras Hindu University, Varanasi. He also earned an MSc (Tech) degree in Geophysics (Meteorology) and a Bachelor of Science from the same institution.

With a professional career spanning over 28 years, Dr Tripathi has extensive experience in climate change and its associated challenges. His proficiency encompasses the utilisation of regional climate simulation to evaluate the impact of climate change on agriculture and water resources in India. He is also adept at implementing technologies for climate change mitigation and adaptation in both rural and urban contexts. Notably, he played a pivotal role in key projects related to “Global Warming and India’s Food Security” and the “Development of GIS Based Integrated Watershed Management Decision Support System” while serving as a Senior Project Scientist at the Department of Civil Engineering, Indian Institute of Technology, New Delhi.

Beyond his research pursuits, Dr Tripathi has exhibited exceptional proficiency in teaching BTech, MTech, and guiding PhD students, having held positions as Professor, Associate Professor, and Assistant Professor at different institutions. He significantly contributed to shaping the curriculum for the Bachelor of Technology in Environmental Engineering as a member of the Board of Studies of Civil and Environmental Engineering at Dr APJ Abdul Kalam Technical University, Lucknow. Furthermore, his adeptness in academic administration is evident through various leadership roles, including Head of Department of Environmental Engineering, Coordinator of the Skill Development Programme, and Member of the Proctorial Board, among others during his previous affiliation.

Dr Tripathi’s scholarly contributions are widely recognised, with over 55 research papers published in esteemed national and international journals and conferences. He is an avid contributor to articles in various newspapers and magazines, particularly in the area of climate action. Additionally, he serves as a valued reviewer for distinguished journals

such as “Water Resources Management” by Springer Publications and “Cogent Engineering” by Taylor and Francis publishing house.

Outside of academia, Dr Tripathi has demonstrated a fervent commitment to environmental awareness. He has organised programmes for society outreach, particularly focusing on farmers, and hosted numerous conferences and training programmes centred around climate change and environmental management. His multifaceted contributions exemplify a profound dedication to advancing knowledge and practices in the field of climate change. Presently, Dr Tripathi holds the positions of Professor and Academic Director at the Anant School for Climate Action.

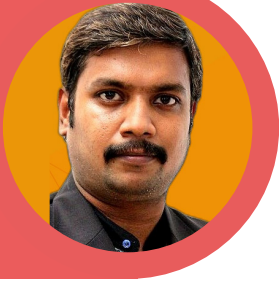


## **Dr Rohan Dutta**

Dr Rohan Dutta is an Associate Professor for the BTech. programme at the Anant School of Climate Action.

Dr Dutta received a BTech.(H) in Instrumentation Engineering from Haldia Institute of Technology, India, in 2003 and a PhD from the Indian Institute of Technology Kharagpur, India, in 2014. Before starting his new venture, he was a Postdoctoral Fellow at the Institute for Plasma Research Gandhinagar and at the Indian Institute of Technology Kharagpur, India. He worked for nearly 11 years in various academic institutes and industries, pre- and post-PhD including a postdoctoral position at the Department of Energy and Process Engineering, Norwegian University of Science and Technology, Trondheim, Norway. His research interests include Waste to Power, Process Modelling and Simulation, Cryogenic Processes, Fossil Fuel-based Power Plant and methods for CO<sub>2</sub> capture from them, and Cryogenic/Thermal Energy Storage.

He has published more than 35 research papers in international/national journals, conferences, and technical reports. Besides, he has one patent application filed in India, and another application has been approved for funding for filing both in India and USA. As a teacher, Dr Dutta strives to foster the ideals of scientific method, investigation, and scholarly inquiry so that his students can apply critical thinking skills to their activities outside of university. Furthermore, he wishes to encourage students to embrace initiative, self-confidence, and originality in all of their pursuits.



## Dr Naga Chaitanya Kavuri

Dr Kavuri is a distinguished researcher and entrepreneur hailing from Hyderabad, India. With a strong academic background and a proven track record in the field of environmental engineering, he has made significant contributions to the understanding and management of ambient aerosols in industrial areas.

Dr Kavuri completed his PhD at the National Institute of Technology, Rourkela, focusing on source apportionment and forecasting of ambient aerosols in the steel city of Rourkela. His groundbreaking work has advanced our knowledge in this critical area of environmental science.

Throughout his academic journey, he has exhibited not only a passion for research but also a commitment to mentoring and guiding the next generation of scientists. Dr Kavuri's leadership extends beyond the laboratory, where he has managed research projects and laboratories, demonstrating a proficiency in project management and team leadership.

In addition to his academic accomplishments, Dr Kavuri is a published author with numerous research papers in renowned journals, including those focused on topics like green building certification, air quality, and environmental science.

His collaborative approach to research and his ability to bridge the gap between academia and industry make him a valuable asset in the scientific community. Dr Kavuri's work continues to have a positive impact on environmental science, and his entrepreneurial spirit ensures that his research findings are translated into practical solutions for a sustainable future.





## Dr Vikranth Volli

Dr Volli holds a Ph.D. in Chemical Engineering from the Indian Institute of Technology, Guwahati, a Master's degree from the National Institute of Technology Rourkela, and a B. Tech from Jawaharlal Nehru Technological University, Hyderabad.

He has extensive academic and professional experience, having served as an Adhoc Assistant Professor at NIT Andhra Pradesh, Associate Professor at Kalasalingam University (KARE), Tamil Nadu, Assistant Professor at the National Yunlin University of Science and Technology (YunTech), Taiwan, and Assistant Professor (Senior) at VIT University, Vellore.

Dr Volli's research focuses on the thermal behavior, oxidative stability, hydrothermal carbonization (HTC), and hazard assessments of commercial oils, ester-based lubricants, and ionic liquids. His work also includes the production of liquid biofuels from lignocellulosic biomass using pyrolysis and the development of value-added products and catalysts from industrial wastes like red mud and fly ash for biodiesel production. He has published extensively in prestigious journals such as Fuel, Science of the Total Environment, and the Journal of Hazardous Materials.



## Dr Snehal Jani

Dr Snehal Jani holds a Ph.D. in Nanoscience and Nanotechnology from Mohanlal Sukhadia University, Rajasthan, an M.Sc. in Physics, and a B.Sc. from Bhavnagar University, Gujarat. She has over 10 years of experience in research and teaching and has published more than 35 SCI/SCOPUS-indexed research articles.

Her research focuses on bridging nanotechnology and sustainable innovations to address environmental challenges, including nanomaterials for environmental

remediation and dosimetry, nano-magnetism and spintronics materials, and sustainable technologies for metal waste and the circular economy. At ASCA, Anant National University, her ongoing projects include developing CuO and FeO nanoparticles for industrial wastewater treatment, passive cooling innovations using BaSO<sub>4</sub> nano-paint, and bioleaching of metal nanoparticles from solar waste. Key achievements include the INSA Visiting Scientist Award (2023), the Young Scientist Award (2017), government-funded research projects, patents, and certification as a Radiation Safety Officer by AERB, BARC. She has contributed as a guest editor and reviewer for leading scientific journals and is a lifetime member of the Magnetic Society of India. Select recent publications include contributions to *Astronomy and Computing* (2024), *Crystal Research and Technology* (2024), and *Wiley* (2023).



## Gokulram

Gokulram is a mechanical engineer with a research focus on circular economy. He has conducted research in the field of industrial symbiosis in which he transformed industrial waste emanating from a special economic zone in Ahmedabad into a resource ready for commercialisation. Gokulram was most recently an Anant Fellow. He has a BE from Velammal Institute of Technology at Anna University.



## Dr Ashima Sood

Dr Ashima Sood is an Associate Professor at Anant. She has been a Visiting Professor at the Institute of Political Economy at Carleton University and an Urban Studies Foundation International Fellow and Visiting Research Fellow at the University of Oxford Department of International Development.

Her current teaching and research interests lie at the intersections of urban studies,

development studies and public policy, speaking to the themes of sustainable cities and communities. She also contributed the section on Indian Urbanisation to the Oxford Bibliographies on Urban Studies.

A co-edited volume entitled “India’s Greenfield Urban Future: The Politics of Land, Planning and Infrastructure” has been published with Orient BlackSwan. Dr Sood earned her MA in Economics at the Delhi School of Economics and PhD Economics at the Cornell University Department of Economics.



## **Prof Milind Chitale**

Milind Chitale is an Associate Professor and the Director of Makerspace at Anant. Skilled in product design and mechatronics, Professor Chitale pursues R&D in this area with his students and his team at Makerspace. An avid thinker and tinkerer, he is passionate about work in the field of mechanics, robotics and renewable energy.



## **Dr Vyas Mani Sharma**

Dr Vyas Mani Sharma, Assistant Professor at Anant National University, holds a Bachelor of Engineering from Birla Institute of Technology Mesra, a Master of Technology, and a Doctor of Philosophy from the Indian Institute of Technology Kharagpur. His research focuses on advanced manufacturing technologies, including wire arc additive manufacturing, friction stir welding, and directed energy deposition.

# Academic / Education partners

The Anant School for Climate Action has developed partnerships with leading institutions and universities around the world.

The Anant School for Climate Action works with Sustain Lab Paris, an enterprise based in India, the UAE, and New Zealand, to train students to become high-potential climate solutionaries and support them with placements. The other leading academic partners from across the world include the Villars Institute, Switzerland; Commonwealth Secretariat, London, UK; Initiatives of Change (IofC), UK ; UNICEF; Earthday.org.





# The Commonwealth

## The Commonwealth Secretariat

The Commonwealth Secretariat, with its headquarters in London, UK, stands as the pivotal intergovernmental organisation of the Commonwealth, uniting 56 independent and equal member countries in a commitment to fostering collaboration and cooperation. Students from the Anant School for Climate Action actively engaged in internship projects aligned with the Commonwealth's core values and principles. This collaboration covered critical areas such as climate action, youth engagement, agriculture, forestry, and the Africa regional stocktake meetings. Through this engagement, students learnt about global challenges, contributed to international efforts to address them, and gained unparalleled experience in driving change and innovation.

Students involved in this internship engagement: Pareeta Agrawal, Tanya Batra, Harsh Chandurkar and Prisha Kakade



From left to right: Harsh Chandurkar, Pareeta Agrawal, Prisha Kakade and Tanya Batra



## The Villars Institute

The Villars Institute, launched as a pioneering nonprofit foundation, is in a dedicated mission to spearhead the transition towards a net-zero economy and rejuvenate the planet's vitality for every inhabitants. Situated in the serene Swiss Alps, the institute serves as a catalyst for systemic change, offering a collaborative platform for individuals from diverse generations unite in their quest for a sustainable future. Among its distinguished initiatives in promoting biodiversity, planetary health and sustainable development, the Villars institute hosts the Villars Fellowship, an exclusive programme that invites students from the Anant School for Climate Action. This prestigious fellowship offers an excellent educational journey, focusing on three pivotal themes: the transition to a net-zero carbon emissions economy, the development of nature-based solutions for the welfare of people and planet, and the exploration of emerging technologies for new growth opportunities. Each year, Villars Fellows are granted the unique opportunity to engage with eminent experts and seasoned professionals across various fields.

Students involved in Villars 2023 Fellowship: Shaleen Guleria, Tanya Batra, Riya Gupta and Pratham Rawat

Students involved in Villars 2024 Fellowship: Srijan Shahane, Kavya Iyer, Mahek Parikh, and Ashmit Sharma



From left to right: Shaleen Guleria, Tanya Batra, Riya Gupta, Pratham Rawat, Srijan Shahane, Kavya Iyer, Mahek Parikh, and Ashmit Sharma



## Skill Development Institute, Ahmedabad

The Aspire Disruptive Skills Foundation, in partnership with the Skill Development Institute, specialises in comprehensive skill development for young individuals, targeting critical sectors such as manufacturing, renewable energy, electronics, and hydrocarbons. Through the applied research programs of the Anant School for Climate Action, students engage in hands-on training in the renewable energy sector, guided by the institute's experts. This training enhances technical proficiency and prepares students for practical applications.



## Earthday.org

Earthday.org and the Anant School for Climate Action partnered to commemorate Earth Day on April 22, embracing the theme "Invest on our Planet." Through this collaboration, students, faculty and staff participate in a community awareness initiative, engage in discussions on climate action and sustainability. Students become involved in environmental education and advocacy, and with the combined efforts with Earthday.org, we nurture young climate warriors, poised to lead impactful climate action and drive meaningful change.



## Sustain Labs Paris (SLP)

Founded in 2018, SLP is an enterprise based in India, the UAE, and New Zealand that establishes and manages new ventures and assets that profoundly move the needle towards a sustainable future. SLP establishes ventures like India's first climate-focused university, and GITEX Impact CSO Business Club at the Dubai World Trade Centre. The company is involved in organisational transformation - led the establishment of ADNOC's refreshed sustainability strategy, and Carbon Capture Company, to help achieve the UAE's net-zero targets. SLP is also a leader in climate education globally, and offers organisations several technical reports related to sustainability. Students involved in internship engagements include Pareeta Agarwal and Smruti Gadkar, Vrunda Patel, and Pallavi Chad. who have worked on the Life Cycle Assessment of PepsiCo's refrigerated coolers.



From left to right: Pareeta Agarwal, Smruti Gadkar, Vrunda Patel and Pallavi Chad





# Testimonials

*Pursuing this course was a leap of faith for me and it is indeed proving to be beneficial. It is innovative and is relevant to the time. I am receiving exceptional exposure. The faculty here is supportive and encouraging. They make the learning experience interesting and help us come out of our comfort zone.*

- Riya Gupta, BTech student 2022-2026

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*In this course, you get knowledge of conventional core engineering subjects along with other interesting courses which you won't find in any other college in our country. Hands-on practical experience is considered more vital than simple textbook learning. The personal mentorship you get here from the professionals to stand out in the industry is remarkable.*

- Pratham Singh V Rawat, BTech student 2022-2026

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*It's a now-or-never scenario today in the case of climate change. The world needs enthusiasts, and doers, who in turn need knowledge and a thorough understanding of the situation at hand. This programme is an opportunity to learn, master, and apply the skills and knowledge under the guidance of professors working in the field.*

- Pareeta Agrawal, BTech student 2022-2026

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*I am a proud father of an attendee of the BTech Programme in Climate Change at Anant School for Climate Action. I am glad that our daughter opted for this programme and eventually was selected through the rigorous screening process. We see a lot of dedication and innovation going into this prestigious programme which is unique, and not only provides a good and upcoming career option for our child at the same time also connects them to the bigger cause of saving mother earth. The international perspective brought in by the programme director and faculty also makes this programme one of the best in the world. We as parents are excited to see the holistic growth of our daughter in terms of open thinking, great education, and sustainability-centric behaviour within the first year in this programme.*

- Kamal Batra

## Annual fee for tuition

### Indians

₹ 2,62,500/-

### Foreign Nationals

₹ 8,65,000/-

Boarding and lodging facilities are available at the university.

## Scholarships

Up to 100%\* scholarships are offered to deserving candidates on a merit-cum-need basis. Once selected, the candidate can approach the Anant School for Climate Action for the scholarship form and submit the duly filled form along with required documents to support their application.

Scholarships are available for limited seats only. Candidates are advised to apply for the programme and scholarship well in advance of the admission deadline.

\*% of scholarship will be calculated post the submission of form and documents

## Contact

If you have any queries, please send an email to [climatetech@anu.edu.in](mailto:climatetech@anu.edu.in).

Contact number : +91 635 216 0465,  
+91 271 771 8365



ANANT  
NATIONAL  
UNIVERSITY  
॥ प्रज्वालितो ज्ञानमयः प्रदीपः ॥

India's First  
**DesignX**  
University

## Programmes offered at Anant National University

### Bachelor of Design

- Space Design
- Product Design
- Sustainable Fashion and Textile Design
- Communication Design
- Interaction Design
- Transdisciplinary Design
- Moving Image

### Bachelor of Architecture

### Bachelor of Visual Arts

### Bachelor of Technology in Climate Change

### Master of Design

- Integrated Product Design

### Master of Architecture (Theory and Practice)

### Fellowships

- Anant Fellowship in Sustainability and Built Environment
- Anant Fellowship for Climate Action

### Diploma (1-year) Journalism in Built Environment

### Executive Education Programmes

- Designing Affordable Living
- Entrepreneurs in Residence

### Doctoral Programme

- Ph.D in Built Environment
- Ph.D in Design Excellence
- Ph.D in Creative Practice

### Centres

- Centre for Visual Arts
- Centre for Urbanism and Cultural Economics
- Centre for Behavioural Science and Design
- Writing and Communication Studio
- Anant Centre for Sustainability
- International Centre for Inclusive Cultural Leadership
- Aarambh Incubation Centre
- Centre for Public Policy
- Centre for Indian Designs and Innovative Crafts

To know more: <https://anu.edu.in/programme/b-tech-in-climate-change/>