

To foster continuous progress of self and society.



**Ahmedabad  
University**

[www.ahduni.edu.in](http://www.ahduni.edu.in)

**ANNUAL  
REPORT**

**2022  
2023**



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## FACULTY RESEARCH

Ahmedabad University fosters progress of the self and society. Promoting rigour and relevance in research in an interdisciplinary environment has led to a collaborative and sustaining partnership with communities for social and intellectual impact.

## KEY HIGHLIGHTS

Academic Year 2022 (July 2022 - June 2023)

Research Seminars	58
Grants	37
Books	10
Book Chapters	33
Journal Articles	157
Conference Proceedings	39
Conference Presentations	132
Invited Lectures	163
Guest Lectures	105
Student Presentations	16
Patents Registered by Startups	27
Patents Registered by Faculty	11
Research Working Papers	27

There were 37 on-going sponsored projects with a total sanctioned budget of INR 2,872.71 lakh.

## Financial Aid and Scholarship

Scholarship Type	Amount (INR in Lakhs)
Merit Based Scholarship	184.7
Need Based Scholarship	488
Mahatma Gandhi Scholarship	30.24
Other Scholarships	102.02
Fellowship to Doctoral Student	144.17
<b>TOTAL</b>	<b>949.13</b>

## Graduating Students

Undergraduate*	741
Masters*	100
Doctoral	6
Certificate and Diploma	24
Executive Education	10
Online Programmes	39

\*including dual-degree students

## School of Public Health

The School of Public Health, the fourth School at the University, was inaugurated in April 2023. The School will build on our overall vision and interdisciplinary programmes, and focus on improving human and planetary health through multiple creative initiatives integrating research, education, and health promotion.

## Recognition

- Accredited with 'A' grade by the National Assessment and Accreditation Council.
- Awarded a 5-star rating, the highest awarded in the Gujarat State Institutional Rating Framework for 2021-22 by the Knowledge Consortium of Gujarat, Department of Education, Government of Gujarat.

## The Black Box

We have built a new Black Box, an innovative space earmarked for theatre performances, at the School of Arts and Sciences building.

## Global Awards

- Recognised as a Highly Commended University for Teaching and Learning Strategy of the Year in the Times Higher Education (THE) Awards Asia 2023.
- Awarded the AACSB's Innovations That Inspire Award 2023 for our Foundation Programme.
- Awarded Gold Rating by the Indian Green Building Council for achieving the Green Building Standards at our University Centre.

## The DBT SAHAJ Imaging and Flow Cytometry Centre

We have a state-of-the-art national-level facility for flow cytometry and imaging funded by the Department of Biotechnology (DBT) serving the needs of researchers in Ahmedabad and across the state of Gujarat.

## Sports Complex

A dynamic new outdoor sports facility, including tennis courts and basketball, volleyball, and football grounds, was inaugurated on the Central Campus on our 14<sup>th</sup> Foundation Day.





## CHAIRMAN'S NOTE

While welcoming the Class of 2027, we talked to the students about making "education their own." Ahmedabad University has now been able to distinctively create a niche for its educational philosophy, not only in India but globally, that is premised on interdisciplinarity, experiential learning and research thinking (i.e., learning to ask questions). These along with the flexibility to choose any discipline or domain that one wants to study, allows our students to shape education according to their needs and aligned with their passion. The first cohort that completed their undergraduate programme this year under the new curriculum possess the critical thinking and independent mindedness that a liberal arts education instils irrespective of whether they have studied arts or sciences or the professions like engineering or management. Our professional programmes in engineering or management are enriched by this liberal education to build responsible engineers and managers. They are different thinking problem solvers. And our liberal arts students (i.e., BA and BS majors) carry employable skills and competencies by engaging with courses from the professions. This is truly unique, especially the way we execute it, in the Indian context. Moreover, our focus on bringing the complexity of the real world challenges into the classroom has prepared our graduates to navigate the real world rather well. Our graduation outcomes speak of the same in terms of where are students are going for graduate studies and doctoral work and the firms and organisations.

The effectiveness of our pedagogy and its innovativeness was recognised through two global awards that we received: the The Association to Advance Collegiate

Schools of Business (AACSB International) Innovations That Inspire award for 2023 and the Times Higher Education (THE) Highly Commended University for Teaching and Learning Strategy of the Year. This reflects our strong focus on student learning. An important aspect of that strategy is to support students from underserved communities and regions with scholarships and planned support programmes.

Several key international conferences were organised at the University this year. Notable amongst them were those in Economics, Life Sciences, Psychology, and Inter-Asia Cultural Studies. Our faculty and scientists have won several prestigious grants and recognition including the Welcome Trust grant. As our grant quality and value increases, the intensity of our research is also getting enhanced bringing in more doctoral students and post-doctoral students.

VentureStudio, our incubator, is now starting to play a key role in the national startup and innovation ecosystem. They have raised grants from CSR funds as well as through government schemes to support early stage incubates. One of its early incubates' firm became an unicorn. Many others are generating revenues and starting to scale.

The 2022 academic year (July 2022-June 2023) ended with many impactful achievements by the faculty and students of the University and many pointers for us to become better in delivering our promise. The effort that we hope to continue to build on would be to improve on the health of all on our campus – both mental and physical health through better counselling, sports and exercise programmes, and a focus on nutrition on our campus.

**Pankaj Chandra**

Vice Chancellor and Chairman  
Board of Management



# Amrut Mody School of Management

The mission of Amrut Mody School of Management is to advance the understanding of the practice of management through interdisciplinary enquiry and to build ideas from there to prepare responsible leaders who understand the context, are innovative, and believe in a sustainable world. The School strives to bring interdisciplinary inputs and liberal perspectives to management students to develop solutions to contemporary problems.

In recognition of Ahmedabad University's unique learning initiatives, especially the Foundation Programme Studios that are part of the common core of our Undergraduate Programme, the Association to Advance Collegiate Schools of Business (AACSB International) presented Amrut Mody School of Management with the *Innovations That Inspire* award for 2023, a highly prestigious honour.

This year, we also offered a joint immersive programme in collaboration with The Wharton School, University of Pennsylvania, to our students and alumni giving them a unique opportunity to study the growth trajectory of the Indian republic through the 20<sup>th</sup> century. *Operations and Business in India: From Gandhi to Globalisation* allowed students to engage with a wide spectrum of professionals from the Indian industry – thought leaders, collaborative workers, and entrepreneurs to understand how traditional values and an entrepreneurial outlook thrive together.

## Important aspects for initiating a Civil Suit

- **Jurisdiction** : power of the authority of a court to hear and determine a case, to adjudicate and exercise any judicial power in relation to it
- **Relief** : remedy which you are claiming from the court to resolve the dispute

## New Faculty

### SANKARSHAN BASU

Professor and Dean

PhD in Statistics, London School of Economics

### ARANYA CHAKRABORTY

Assistant Professor

PhD in Economics, McGill University

### LOYIMEE GOGOI

Assistant Professor

PhD in Mathematics, Dibrugarh University

### NARENDRA NATH KUSHWAHA

Assistant Professor

PhD in Finance and Accounting, IIM Tiruchirappalli

### PRITHWIRAJ MUKHERJEE

Associate Professor

PhD in Marketing, ESSEC Business School, France

### MINAL PATHAK

Associate Professor

PhD in Environmental Science, Gujarat University

### RAHUL RAO

Assistant Professor

PhD in Macroeconomics, IIM Bangalore

## Programmes

### UNDERGRADUATE

#### Bachelor of Arts (Honours)

- Major in Economics

#### Bachelor of Commerce (Honours)

#### Bachelor of Commerce (Professional)

- Major in Accounting

#### Bachelor of Business Administration (Honours)

- Major in Accounting and Finance
- Major in Business Analytics
- Major in Finance
- Major in Finance and Economics
- Major in Human Resource and Organisations
- Major in Marketing
- Major in Operations Management
- Major in Operations Research and Statistics
- Major in Supply Chain Management

#### Integrated Master of Business Administration

- Major in Family Business and Entrepreneurship

### GRADUATE

#### Master of Arts in Economics

#### Master of Business Administration

#### Master of Management Studies in Heritage Management

#### Master of Science in Quantitative Economics

#### Master of Science in Quantitative Finance

### DOCTORAL PROGRAMME

- PhD in Management

### EXECUTIVE EDUCATION

- Global Executive Master of Business Administration in Pharmaceutical Management

#### Customised Programmes

- MDP on Communication for Managers of Betterplace with the School of Meaningful Experiences (SoME)
- Building Science Leaders in India programme for The Capacity Building Commission and the Office of the Principal Scientific Adviser to the Government of India with the Centre for Technology, Innovation and Economic Research (CTIER)
- Operations and Business in India – From Gandhi to Globalisation with The Wharton School
- R&D Managers of the Future Programme (2<sup>nd</sup> cohort) with CTIER and the Confederation of Indian Industry
- Keynote programme for CXOs with SoME



## Faculty Achievements



**Siddharth Saxena**  
Assistant Professor

Member of the Social Logistics Challenge Judges Panel hosted by the Global Business School Network.

Selected as a member of the Fetzer Scholarship Committee that, focuses on research work on spirituality and religion in management, organisations, and society.



**Amrita Bihani**  
Assistant Professor

Received the Chairman's Excellence Award in Teaching.



**Parag Patel**  
Senior Associate Dean & Associate Professor

Selected for a three year term at the Associate Deans Affinity Group, the steering committee of AACSB International.



**Samvet Kuril**  
Assistant Professor

Received the Chairman's Award for Excellence in Research.



**Ramadhar Singh**  
Distinguished University Professor

- Inducted to the Heritage Wall of Fame of the Society for Personality and Social Psychology, Washington DC, USA, the first Indian social psychologist to be honoured so far.
- Conferred 2023 Education Forever Award by the Community Learning Center, Sarlahi, Nepal, in recognition of his contributions to school education of rural children.



**Tana Trivedi**  
Lecturer

Selected for a six month Postdoctoral Fellowship at the Institute of Advanced Studies in Humanities, University of Edinburgh.

## International Immersions

International Immersions are an essential part of our Integrated MBA programme. Over the Summer of 2023, 60 students and faculty visited INREGU, Lyon, France; University of Applied Science, Nysa, Poland; and Rushford Business School, Berlin, Germany. The key focus of the 2023 International Immersion was on understanding innovations, innovative practices, cultural parallels, and ways of incorporating new technology into business. Students took short-term courses at these universities to explore and understand the nuances of conducting business in the European region.



## Events

### THE CONVERSATION SERIES

**Hema Hattangady**, Former CEO, Conzerv Systems; Mentor, Author, Impact Investor, Independent Director; Adjunct Professor, Takshashila Institution, and **Ravi Miglani**, Professor of Practice of Management, Amrut Mody School of Management, and Director, Global Education MBA Programme, Ahmedabad University. *In A Man's World: Overcoming Gender Bias In Leadership*, July 17, 2022.

**Vivan Marwaha**, Author, What Millennials Want, Forbes 30 Under 30, and **Juhi Bansal**, Senior Associate Director, Centre for Learning Futures, Ahmedabad University. *India's Millennials: Demographic Dividend or Demographic Disappointment?* July 23, 2022.

**Talmiz Ahmad**, Former Indian Ambassador, Saudi Arabia, Oman and the UAE; Ram Sathe Chair for International Studies, Symbiosis International University, Pune; Author, West Asia At War: Repression, Resistance and Great Power Games, and **Minal Pathak**, Associate Professor, Global Centre for Environment and Energy, Ahmedabad University. *Geography, Geology, Geopolitics: The Dynamics In India's Western Neighbourhood*, August 20, 2022.

**Hemant Mehta**, Former Managing Director, Insights Division and Chief Strategy Officer for South Asia, KANTAR; Aspiring Farmer and Founder of selectart.in, and **Ravi Miglani**, Professor of Practice of Management, Amrut Mody School of Management, and Director, Global Education MBA Programme, Ahmedabad University. *From Data To Insights: Using Numbers To Tell Stories About India and Indians*, September 3, 2022.

**Giulio Boccaletti**, Honorary Research Associate, Smith School of Enterprise and the Environment, Oxford University; Senior Fellow, Euro-Mediterranean Center for Climate Change, Italy; Former Chief Strategy Officer and Global Ambassador for Water, Nature Conservancy, and **Saptam Patel**, Assistant Professor, Amrut Mody School of Management, Ahmedabad University. *The Story of Water: How This Shapeless Substance has Shaped Society*, September 17, 2022.

**Aanchal Malhotra**, Oral Historian and Writer; Co-Founder of the Museum of Material Memory, and **Ravi Miglani**, Professor of Practice of Management, Amrut Mody School of Management and Director, Global Education MBA Programme, Ahmedabad University. *Human History of Partition: Not Lines On Maps, But Stories, Memories, And Objects*, October 15, 2022.

**Rohini Nilekani**, Chairperson, Chairperson, Rohini Nilekani Philanthropies; Author, SAMAAJ, SARKAAR, BAZAAR: A Citizen-First Approach, and **Jeemol Unni**, Professor, Amrut Mody School of Management, Ahmedabad University. *From Self To Society: The Role of Active Samaaj for Social Change*, October 29, 2022.

**Alex Tabarrok**, Bartley J Madden Chair in Economics at the Mercatus Center, George Mason University; Co-Founder, Marginal Revolution University, and **Sankarsan Basu**, Dean, Amrut Mody School of Management, Ahmedabad University. *Unbanking The Banked: Is The World of Finance on the Verge of Disruption?* November 5, 2022.

### THE LEADERSHIP SERIES

This year, the Leadership Series brought dynamic CEOs from industry to talk about leadership challenges and how they and their organisations went about addressing them. Our speakers this past year included:

**Sharvil Patel**, Managing Director, Zydus Lifesciences Ltd., one of the leading global healthcare providers and the 4<sup>th</sup> largest life sciences company in India. November 21, 2022.

**Punit Lalbhai**, Executive Director of Arvind Limited who leads Arvind's manufacturing businesses including Core Textiles, Advanced Materials, Engineering, and Agribusinesses. He also spearheads initiatives in sustainability, CSR, and innovation at Arvind. January 18, 2023.

**Sandeep Dayal**, Managing Director and EVP at Cerenti Marketing Group, LLC, and Author, Branding Between the Ears - Using Cognitive Science to Build Customer Connections. March 1, 2023.

**Tirthankar Patnaik**, Chief Economist, National Stock Exchange of India. April 5, 2023.



## Book Talks

**Atul K Shah** (PhD, London School of Economics)

*Inclusive and Sustainable Finance: Leadership, Ethics and Culture as part of its Contemporary Issues in Finance*, January 11, 2023.

**Chakravarthi Rangarajan** (PhD, University of Pennsylvania)

*Forks in the Road*, January 10, 2023.

## Conference

### 4<sup>th</sup> Annual Economics Conference (January 5 – 7, 2023)

Our Annual Economics Conferences offer a global forum for dissemination of modern research in all areas of Economics and Finance. The 4th Annual Economics Conference brought out the challenges of a changing world, creating a platform to discuss possible solutions to these across domains. One of the insightful sessions was by Chakravarthi Rangarajan, Distinguished University Professor, Ahmedabad University, and former Governor, Reserve Bank of India, who led us through a deep sequential understanding of India's journey from a colonised region to a developing country in three-quarters of a century. He also emphasised that introducing reforms in India necessarily needs to be complemented by creating the appropriate investment climate.

Plenary lectures were delivered by:

**Ariel Rubinstein**  
Professor of Economics, New York University, USA, and Salzberg Chair Professor, Tel Aviv University, Israel

**Chakravarthi Rangarajan**  
Distinguished University Professor, Ahmedabad University, and former Governor, Reserve Bank of India.

**Kaushik Basu**  
Carl Marks Professor, Cornell University, USA, former Chief Economic Adviser, Government of India, and former Chief Economist, The World Bank

Special Invited Lectures were delivered by:

**Alaka Basu**  
Professor, Cornell University, USA

**Sanjay Banerjee**  
Professor, University of Nottingham, UK

**Chirantan Chatterjee**  
Professor, University of Sussex, UK.

## Workshops

### Workshop on R Programming

R Programming is significant in statistical analysis and data mining. One of the ways it can be used is for identifying patterns and building practical models in business management. Two workshops on R Programming were conducted in February and March 2023 allowing students to get hands-on experience in handling large datasets through cleaning, visualising, and analysing data.



**Devansh Badiani**  
*Integrated Master of Business Administration*

Felicitated with a Certificate of Achievement in Innovation for participating in the Children Innovation Festival organised by GUSEC (Gujarat University), Ahmedabad. by Hon'ble Chief Minister of Gujarat Shri Bhupendra Bhai Patel.



**Saumya Jadeja**  
*Integrated Master of Business Administration*

Won the Inter-University Badminton Tournament for Girls at SHAURYA CUP 2022 organised by Indian Institute of Management Ahmedabad.



**Shweta Gattani**  
*Master of Business Administration*

Secured 2<sup>nd</sup> position in Reel Life organised by MCC in association with Manifest Varchasva.



**Anjasi Mehta**  
*Bachelor of Business Administration (Honours)*

Selected to the *Young Women in Investment* boot-camp organised by the CFA Institute and a six-month internship with investment and risk management advisory firm, BlackRock.



**Het Shah**  
*Master of Business Administration*

Won the Best Actor Award at Vinaveli Theatre Competition organised by HK Arts and Commerce College, Ahmedabad.



**Hitesh Samariya** and **Het Shah** wrote and directed the play *Misfits* performed by the Theatre Club team that was adjudged the Runners-up at Halla Bol, a Nukkad Natak competition organised by MICA, Ahmedabad.



**Shashvi Shah**  
*Bachelor of Business Administration (Honours)*

Selected to the Glasgow Caledonian New York College (GCNYC) Diversity, Equity, and Inclusion Fellowship and Externship Programme offered by GCNYC's Centre for Social Impact and Innovation.



**Nandita Agarwal**



**Ameer Barcha**  
*Integrated Master of Business Administration*

Secured the 3<sup>rd</sup> position in the Rhythm Solo Dance Classical event at Kurukshetra Inter-College Competition organised by Flame University, Pune.

## Student Achievements



**Preet Shah**  
*Integrated Master of Business Administration*

Won the Most Dynamic Leader In Travel and Tourism Industry award at The 2022 Global Choice Awards by Xel Research held in Delhi.



**Dhruv Solanki**  
*Bachelor of Business Administration (Honours)*

Selected as a finalist for publication in the TA Pai Management Institute's student-led peer-reviewed Journal of Economics and Finance from among 150 papers. His paper was titled *Economic Inequalities in India*.



**Dhruvish R Vakharia**  
*Integrated Master of Business Administration*

Secured the 2<sup>nd</sup> position in the Finswimming Competition at the 5th All-India Finswimming Federation Cup 2022 conducted by the Underwater Sports Association of India, Indore.





**Simran Chawla**  
Integrated Master of Business Administration



**Keshvi Shah**  
Bachelor of Business Administration (Honours)

Secured the 3<sup>rd</sup> position in the Marketing event at Kurukshetra Inter-College Competition organised by Flame University, Pune.



**Aditi Jain**  
Bachelor of Business Administration (Honours)

Part of the team that lifted the Mahatma Gandhi Trophy at the Mahatma Gandhi Inter-Collegiate Elocution Competition for the second successive year. The rotating trophy is over eight decades old.



**Harshita Sharma**  
Bachelor of Business Administration (Honours)

Presented an Award of Excellence for her performance in the live project sponsored by Suchitra Impex, a distributor of Reliance Gas.



**Astha Vasani**  
Bachelor of Business Administration (Honours)



**Vaidehi Patel**  
Bachelor of Business Administration (Honours)

Published their case study, *Kristine's Dresses: Navigating a Textile MSME through the COVID-19 Pandemic*, in the UK-based independent not-for-profit case studies organisation, Case Centre's online journal.



**Yuvan Sutari**  
Bachelor of Business Administration (Honours)

Awarded 2<sup>nd</sup> position in the Quiz Competition at the cultural festival organised by Indian Institute of Management Ahmedabad.



**Soham Payal Pathak**  
Bachelor of Business Administration (Honours)

Presented with the Maha Samman Award by Bhupendra Patel, Hon'ble Chief Minister of Gujarat, recognising young entrepreneurs. Soham and his mother, Payal Pathak's two-year-old startup, The Simply Salad, bagged an INR 30 lakh non-negotiated deal for a 10 percent stake on Shark Tank India Season 2.



**Achal Patel**  
Integrated Master of Business Administration



**Het Shah**  
Master of Business Administration

Awarded 2<sup>nd</sup> position in the Best Actor category at the prestigious Indian National Theatre (INT) competition.

## Industrial and Field Visits

Students visited the Blind People's Association and Conflictorium on October 18, 2022, as part of the Behaviour Lab course.

## Guest Lectures

**Prashant Joshi**, Assistant Vice President, Sales, CMIE, Ahmedabad. *How to Access Database from CMIE Website?* August 18, 2022.

**Sarah Connors**, IPCC WGI Head of Science, University of Paris-Saclay, Paris. *What is the Latest Science on Climate Change?* August 31, 2022.

**Neha Shah**, General Manager HR, Torrent Pharma, Ahmedabad. *Behavioural Event Interviews*. September 3, 2022.

**Sutirtha Chakraborty**, Head, Global Data Science and Analytics COE, Abbott India. *Digitalisation in Pharmaceutical Industry*. September 9, 2022.

**Pradeep Panigrahi**, Head, Sustainability L&T, Baroda. *Sustainability and Human Capital*. September 10, 2022.

**Payal Roy**, People Relations Lead India, S&P Global, Hyderabad. *SDGs*. September 14, 2022.

**Shobhit Tyagi**, Human Resource Head, Transformers & Rectifiers, Ahmedabad. *Testing Mechanism for Talent Acquisition*. September 29, 2022.

**Shaival Desai**, Chief Growth Officer, Petpooja, Ahmedabad. *How Marketing helps B2B Businesses*. October 1, 2022.

**Dhruv Shah**, Managing Director, Prasad Group of Companies, Ahmedabad. *Technology and B2B Business*. October 8, 2022.

**Avnish Kothari**, M/s A. M. Kothari, Advocates, Ahmedabad. *Legal and Regulatory Aspects of the Real Estate Sector in India*. October 8, 2022.

**Rakesh Basant**, Former Professor of Economics and Dean, Alumni and External Affairs, Indian Institute of Management Ahmedabad, Ahmedabad. *Competition Policy*. October 11, 2022.

**Vijyant Joshi**, Assistant Vice President, Mizuho Bank, Ahmedabad. *Understanding the Impact of Financial Constraints on HR Decisions*. October 13, 2022.

**R Balachandran**, Former Senior Vice President, Temenos, Chennai. *Indian Debt Mutual Funds - Opportunities and Challenges for Investors*. October 14, 2022.

**Raman Khepar**, Vice President, International Marketing, Cadila, Ahmedabad. *Contemporary Topics in Advertising*. October 14, 2022.

**Sarthak Bhansali**, S S Bhansali & Co. LLP, Ahmedabad. *Financial Infrastructure in Real Estate - Impact of Capital Structure on Investment, Returns and Taxes of Stakeholders*. October 15, 2022.

**Vibhuti Bhatt**, CEO, One Advertising, Ahmedabad. *Contemporary Topics in Advertising*. October 15, 2022.

**Rakesh Basant**, Former Professor of Economics and Dean, Alumni and External Affairs, Indian Institute of Management Ahmedabad, Ahmedabad. *Innovation Policy*. October 18, 2022.

**Stuti Jani**, CEO, KAMAIL, Aggregator App for Home Chefs, Ahmedabad. *Food Industry: Aggregator of Home Chefs for Home-Cooked Food*. October 19, 2022.

**Ashish Trambdia**, Director, Ahmedabad Municipal Corporation, Ahmedabad. *Building Bylaws in Heritage Old City of Ahmedabad*. October 27, 2022.

**Shweta Thanwani**, Member, Strategic Communication Group, Adfactors, Mumbai. *Public Relations and Communication for Consumer Behaviour*. October 31, 2022.

**Dharmadeep Jadeja**, HR Manager, Mobiquity, Ahmedabad. *Expatriate Issues*. November 5, 2022.

**Alpesh Parikh**, Managing Director, Gulmohar Greens Golf and Country Club Limited, Ahmedabad. *Learning from the Gulmohar Greens Story - The First Golf Course-Centred Residential Plotting Project of Ahmedabad*. November 5, 2022.

**Anjali Choksi**, Partner, DJNV & Co, Ahmedabad. *Introduction to IBC*. November 8, 2022.

**Raman Khepar**, Associate Vice President, Marketing, International Business, Cadila Pharmaceuticals Limited, Ahmedabad. *Leader and Leadership - How a Person in the Leader Impacts the Leader in the Person?* November 8, 2022.

**Md Akhtaruzzaman**, Associate Professor, Peter Faber Business School, Australian Catholic University, Sydney, Australia. *Asset Pricing Models in India*. November 11, 2022.

**Prasanna Lohar**, Chief Executive Officer Block Stack, Mumbai. *Use of Block Chain in Banking*. November 12, 2022.

**Sonusingh Dhingra**, CEO, Pal Shellcast Pvt Ltd, Ahmedabad. *Manufacturing Processes in the Automobile Sector: Economic Concepts and their Applications in Decision Making of Profit Making Companies*. November 15, 2022.

**Subrata Kundu**, Professor, Department of Statistics, Columbian College of Arts & Sciences, The George Washington University, USA. *A Larger Perspective of Inferential Statistics*. November 18, 2022.

**Riti Jani**, Assistant General Manager, Bank of Baroda, Vadodara. *AI and Robotics in Banking*. November 19, 2022.

**Viral Sheth**, Regional Head Sales ICICI Bank, Ahmedabad. *Basics of Trade and Trade Finance*. November 19, 2022.

**Tatsuo Hanaoka**, Senior Researcher, National Institute of Environmental Studies, Japan. *AIM End Use Modeling Workshop*. February 1, 2023.

**Nakul Sharedalal**, IP Professional Founder, NS Legal, Ahmedabad. *Intellectual Property in the Knowledge Economy*. February 1, 2023.

**Tanvi Rangwala**, CEO, VentureStudio, Ahmedabad University, Ahmedabad. *Expectations of Funding Agencies from Startups*. February 28, 2023.

## Research Seminar Series

**Narendra Nath Kushwaha**, Indian Institute of Management Bangalore. *Related Party Transactions and Audit Fees: Indian Evidence*. July 29, 2022.

**Joseph Comes**, Université catholique de Louvain, Belgium. *Trade Liberalisation, Ethnic Remoteness, and Civil Conflict*. August 3, 2022.

**Loyimee Gogoi**, Xavier Institute of Management and Entrepreneurship. *Group Contributions in TU-Games: A Class of k-lateral Shapley Values*. August 17, 2022.

**Suyog Nigudkar**, Indian Institute of Management Ahmedabad. *Design for Failure of Food Banking Networks*. August 23, 2022.

**Kanika Mahajan**, Ashoka University. *Domestic Trade Collapse: Reshoring along the Borders*. August 24, 2022.

**Dewang Pagare**, KLH Global Business School. *India's Journey from Feed-in-Tariff to Reverse Auction: Importance of Producer Type and Government Incentive in Renewable Energy Procurement*. August 25, 2022.

**Molla Ramizur Rahman**, Ahmedabad University. *Network Structure and Risk-Adjusted Return Approach to Stock Indices Integration: A Study on Asia-Pacific Countries*. September 7, 2022.

**Niyati Dave**, Ahmedabad University. *Relationship between Role of Business Angels and Stages of Startups: A Resource Dependency Theory Perspective*. September 7, 2022.

**Angshuman Roy**, University of Haifa, Israel. *Measuring and Testing Dependence among Multiple Random Variables*. September 21, 2022.

**Ishita Tripathi**, Ahmedabad University. *Saliency of Maximum Marks and Effort on the Test*. September 28, 2022.

**Jeemol Unni**, Ahmedabad University. *Demonetisation and Labour Force Participation in India: The Impact of Political Alignment*. October 12, 2022.

**Abhinav Sharma**, Indian Institute of Management Ahmedabad. *Managerial Discretion in the Context of Employee Stock Options Repricing Activity*. October 14, 2022.

**Tanmoy Majilla**, Indian Institute of Management Lucknow. *Household Income Shocks, Demand for Deposits, and Real Activities*. October 17, 2022.

**Bijal Mehta**, Ahmedabad University. *Fostering the Inclusion of Women as Entrepreneurs in the Sharing Economy Through Collaboration: A Common Approach using the Institutional Analysis and Development Framework*. November 2, 2022.

**Soumyatanu Mukherjee**, University of Nottingham England. *To Acquire or to Ally? Managing Partner's Environmental Risk in International Expansion*. November 11, 2022.

**Kumar Dasgupta**, Judge Business School, England. *Accounting Standards: Challenges and New Horizons for Accounting Research*. November 17, 2022.

**Ramadhar Singh**, Ahmedabad University. *Responding to Negative Events: Thoughts Provoked by Covid-19 Disruptions*. November 22, 2022.

**Aasheesh Dixit**, Ahmedabad University. *Algorithmic Mechanism Design for Egalitarian and Congestion-Aware Airport Slot Allocation*. November 23, 2022.

**Arti Omar**, Indian Institute of Technology Madras. *Asymmetric Effects of Noise in Merton Default Risk model: Evidence from Emerging Asia*. January 3, 2023.

**Sudeep Rohit**, Indian Institute of Management Tiruchirappalli. *Thinking, feeling and Coping by BoP Healthcare Consumers: policy-based Intervention in an Emerging Market*. January 4, 2023.

**Bhaswati Ganguli**, University of Calcutta. *Experiences in Environmental Modelling*. January 18, 2023.

**Mihkel M Tombak**, University of Toronto, Canada. *Hotelling Bound -Pricing and Location under Income Constraint*. January 25, 2023.

**Garima Agarwal**, Delhi School of Economics. *Sanitary Napkin Distribution and Girls School Participation - Evidence from a Public Program in India*. January 30, 2023

**Kumar Aniket**, University College London, UK. *Markets, Space and Infrastructure*. February 8, 2023.

**Aranya Chakraborty**, McGill University, Canada. *Network-Based Targeting with Heterogeneous Agents for Improving Technology Adoption*. February 16, 2023.

**Aditi Singh**, Brown University, USA. *What Determines Household Expectations?* February 20, 2023.

**Tanya Jain**, Indian Institute of Management Bangalore. *Debt Contract Enforcement and Product Innovation: Evidence from a Legal Reform in India*. February 21, 2023.

**Omkar D. Palsule-Desai**, Indian Institute of Management Ahmedabad. *Self-Selecting No-Pay Service Delivery Strategies: A Rising Tide that Lifts All Boats?* February 24, 2023.

**Rahul Rao**, Indian Institute of Management Bangalore. *Land Misallocation and Industrial Development*. February 27, 2023.

**Sandeep Dayal**, Cerenti Marketing Group, LLC. *Industry & Academia: Conversations & Collaborations*. March 1, 2023.

**Kunal Basu**, Ahmedabad University. *Perspectives of Building an Enriching Career Through Research*. March 8, 2023.

**Shobha Das**, Krea University. *Artisan Entrepreneurship in Subsistence Marketplaces: Examining a Multi-Pronged Initiative*. March 22, 2023.

**Anuja Talati**, Deputy Manager, HR, Advik Hi-Tech Limited, Pune. *Talent Management*. March 3, 2023.

**Antriksh Agarwal**, Manager, Awwficacy, Ahmedabad. *Insights into the Financials of Listed Companies*. March 4, 2023.

**Priyanka Padhya**, Senior Associate, CIIE, Ahmedabad. *How to Read Term Sheets*. March 6, 2023.

**Dimpy Tolani**, National Media Incharge and State Head-Women Cell, She Splash Official, Ahmedabad. *Women Empowerment through Phygital Initiatives*. March 14, 2023.

**Ananya Maloo**, Founder, Nuutjob, Ahmedabad. *Startups and its Marketing*. March 17, 2023.

**Kashayap Sanghani**, Head of Marketing, JustDogs, Ahmedabad. *Marketing Strategies at JustDogs*. March 17, 2023.

**Jigar Kansara**, Assistant Manager HRBP, Hitachi, Gandhinagar. *Competency Mapping*. March 17, 2023.

**Hitesh Sharma**, Senior HRBP, Adani Total Gas, Ahmedabad. *Benefits Packages*. March 17, 2023.

**Malay Shah**, Export Marketing Expert, Coach and Independent Consultant, Self Employed, Ahmedabad. *Export Marketing Techniques*. March 18, 2023.

**Manish Vaidya**, Associate Vice President, Disney Hotstar, Mumbai. *Human Capital Management and Changing Paradigms*. March 18, 2023.

**Nakul Sharedalal**, Founder, NS Legal, Ahmedabad. *Licensing of Trademarks*. March 20, 2023.

**Rustom Dalal**, Director, Transfer Pricing, Deloitte, Ireland. *Profit Shifting and Base Erosion*. March 22, 2023.

**Nadeem Jafri**, Founder and Chief Mentor, Hearty Mart Enterprises, Ahmedabad. *Developing Community Driven Business*. March 23, 2023.

**Nihar Shah**, CEO and Founder, Travel O Trek, Ahmedabad. *Brand Evolution and Development of Travel O Trek*. March 24, 2023.

**Rakesh Basant**, Former Professor of Economics and Dean, Alumni and External Affairs, Indian Institute of Management Ahmedabad, Ahmedabad. *Discrimination in the Labour Market*. March 25, 2023.

**Anshu Bharti**, Archivist HCP Designs, Ahmedabad. *Archive Management*. March 28, 2023.

**Sachin Jayaswal**, Professor, Production and Quantitative Methods, Indian Institute of Management Ahmedabad, Ahmedabad. *Optimisation in Logistics*. March 29, 2023.

**Gaurang Raval**, Founder, Sauhard, Ahmedabad. *How Important is to Know about Politics of Caste in the Overall Understanding of Indian Culture*. March 31, 2023.

**Rakesh Basant**, Former Professor of Economics and Dean, Alumni and External Affairs, Indian Institute of Management Ahmedabad, Ahmedabad. *Affirmative Action in Education: How does one Explore their Impact and Relevance?* April 1, 2023.

**Abhishek Kamodia**, Senior Consultant, Decision Science, Fractal Analytics, Mumbai. *AI is not the Future*. April 1, 2023.

**Atul Tiwari**, Chief Human Resource Officer, Spice Money, Gurgaon. *Compensation Practices*. April 7, 2024.

**Aditi Upadhyay**, Programme Management, Public Policy, Edunet Foundation, Indian Institute of Management Bangalore, Bangalore. *Qualitative Data Analysis*. April 12, 2023.

**Manish Thaker**, Global Head HR, Zydus Pharmaceuticals, Ahmedabad. *Innovations in Training and Development*. April 13, 2023.

**Dhwani Worah**, Vice President, Consumer Insights and Analytics, Fetch, New York. *Data Driven Marketing Analytics for Impactful Consumer Insight*. April 13, 2023.

**Anay Mashruwala**, Joint Director, Venus Engineering Works, Ahmedabad. *Strategy for SMEs*. April 14, 2023.

**Yogendra Bhagdev**, General Manager, Reliance Gas, Ahmedabad. *Strategy in Practice*. April 15, 2023.

**Ram Mori**, Renowned Gujarati Writer, Navjivan Press, Ahmedabad. *Ram Mori ni Vaartao - Mahotu ane Ekvismu Tiffin*. April 15, 2023.

**Mahima Agrawal**, Chartered Accountant, Founder and CEO, Tatva Greens, Ahmedabad. *Practical Applications of Management Accounting*. April 18, 2023.

**Hema Shah**, Partner, Purushottam Khandelwal & Co, Ahmedabad. *IBC and Banks in India*. April 20, 2023.

**Shankar Venugopal**, Vice President, Mahindra & Mahindra, *R&D Leader 2030 - How to build future skills for R&D leadership*. April 24, 2023.

**Arjun Joshi**, Adjunct Professor, CEPT University, Ahmedabad. *Challenges in Urban Planning - A Case Study of Charminar Area Pedestrianisation Project*. April 28, 2023.





**Sumit Saurav**, Indian Institute of Management Ahmedabad. *Impact of Embedded Leverage on Trading Activity in Spot, Options, and Futures Markets*. March 28, 2023.

**Subhalaxmi Mohapatra**, Anant National University. *I Mean Business: Exploring Women Entrepreneurs' Journey in India from an Emancipation Perspective*. April 5, 2023.

**Sunil Prashar**, Kyoto University, Japan. *Assessing the Resilience of Delhi to Climate-related Disasters: A Comprehensive Approach*. April 19, 2023.

**Mayank Aggarwal**, Ahmedabad University. *Firm Complementarity and Randomness: Firms Strategies for Managing Risk in Interconnected Industry Ecosystems*. April 26, 2023.

**Supratim Das Gupta**, Ahmedabad University. *Greener Energy Choices and Work from Home: Survey Results from India*. May 8, 2023.

**Sugat Chaturvedi**, University of Sussex. *Words Matter: Gender, Jobs and Applicant Behavior*. June 8, 2023.

## EXECUTIVE EDUCATION

Executive Education at Ahmedabad University aims to facilitate collaboration between the University and its multiple Schools and Centres with the world of practice. We offer programmes for working professionals designed as timely learning interventions that help them upgrade their skills and progress in their careers while enhancing the performance of the organisations they work for. These prepare leaders for tomorrow with deep domain knowledge coupled with independent and creative decision-making skills, often with a global perspective.

In 2022-23, we have delivered two open programmes, one joint immersion in collaboration with The Wharton School, one collaborative executive development programme with CTIER, and one customised management development programme with SoME.

### The Global Executive MBA in Pharmaceutical Management

Ahmedabad University, in collaboration with the University of California San Diego, launched the Global Executive MBA in Pharmaceutical Management, a 2-year strategic management programme uniquely crafted to hone leadership talent while being deeply rooted in the domains relevant to the Pharmaceutical, Bio-Pharma, Health, and Lifesciences industries.

The Programme has seen five cohorts from multiple domains such as R&D, Finance, Manufacturing, Operations, Sales and Marketing, Leadership, Planning, and Compliance functions from some of the top pharmaceutical companies of India, including Biocon Limited, Biocon Biologics, Dr Reddy's Laboratories, Zydus Life Sciences, and Merck Life Sciences.



### R&D Managers of the Future

Ahmedabad University in collaboration with the Centre for Technology, Innovation and Economic Research and Confederation of Indian Industry, launched the 2<sup>nd</sup> cohort of R&D Managers of the Future Programme. It aims to equip managers to enhance the quality of R&D expenditure their organisations undertake. The Programme witnessed participants from Tata Chemicals, Forbes Marshall, Arvind Limited, Pidilite Industries, among many others.

### Customised Learning

Stemming from the focus on interdisciplinary approach and research thinking, Ahmedabad University engages in developing customised learning interventions and executive programmes aimed at bridging capability gaps in client organisations. These customised programmes are uniquely designed and are tailored to address specific learning and re-skilling needs in different areas in the organisation.

### Building Science Leaders in India

Building Science Leaders in India is a uniquely designed collaborative executive development programme for scientists likely to assume leadership roles and future director positions in research organisations.

Ahmedabad University and CTIER were jointly engaged by The Capacity Building Commission and the Office of the Principal Scientific Adviser to the Government of India to design and deliver the first 'Building Science Leaders in India' programme at the ISRO guest house in Bengaluru.

33 Scientists were nominated for Batch 1 of the Programme from across seven Departments/Ministries including:

- Department of Atomic Energy
- Indian Space Research Organisation
- Department of Science and Technology
- Council of Scientific and Industrial Research
- Department of Biotechnology
- Ministry of Earth Sciences
- Ministry of Environment, Forest and Climate Change

### Joint Immersive Programme - Business & Operations in India - From Gandhi to Globalisation

Ahmedabad University and The Wharton School partnered to offer an immersive course for the Executive MBA and MBA students of both the institutions. The global modular course aimed to help students understand business opportunities and practices through hands-on and team-based immersive learning in diverse geographic locations. Some of the organisations visited by the participants included Amul, SEWA, Laxcon Steel, Zydus Lifesciences, IFSCA, Arvind Limited, and Hitachi-Johnson Controls.

### Keynote Programme for CXOs

The School of Meaningful Experiences (SoME) and Ahmedabad University offered a programme for CXOs/Startup Founders/Industry Leaders to become impactful orators and influence audiences through powerful and persuasive speeches. The Programme had participants from various organisations across India like Coursera, Cisco Systems, Plural Technology, Disney Star India, and Footsecure, among others.



## Student Presentations

**Bhandari, H.** *Role of HR in Gaining a Competitive Edge*, 26<sup>th</sup> Nirma International Conference On Management (NICOM 2023), Nirma University, January 2023.

**Kamani, I.** *Significance of Psychological Well-being and the Factors Driving Employee Performance in the Indian IT Sector*, 13<sup>th</sup> International Conference on Excellence in Research and Education (CERE-2023), IIM Indore, June 2023.

**Modhawadia, M., & Kuchadiya, A.** *Benefits of Regular Psychological Counseling for all Employees*, 26<sup>th</sup> Nirma International Conference on Management (NICOM 2023), Nirma University, January 2023.

## Books

**Madhavan, V., & Ray, P. (2023).** *Law of One Price: A Chronicle of Dually Listed Indian Stocks*. London and New York: Routledge.

**Ray, K. (2023).** *Mergers and Acquisitions: Strategy, Valuation and Integration (Second Edition)*. New Delhi: PHI.

## Book Chapters

**Adhvaryu, B., & Joshi, B. (2023).** Raising Urban Planning Awareness in India. In S. K. Diko, L. M. Hollstein, & D. Palazzo (Eds.), *Routledge Companion to Professional Awareness and Diversity in Planning Education (1<sup>st</sup> Edition)* (299-310), New York: Routledge.

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**Rahman, M., Bharadwaj, A., & Mitra, P. (2022).** Knowledge Extraction From Abnormal Stock Returns: Evidence From The Indian Stock Market. In A. K. Tyagi, A. Abraham, F. K. Hussain, A. Kaklauskas, & R. J. Kannan (Eds.), *Abnormal Stock Returns* (517 - 535), UK: Institution of Engineering and Technology (IET).

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**Gupta, S., & Kishore, K. (2022).** Does facetime with the boss matter? Soft information communication and organizational performance. *13<sup>th</sup> Emerging Markets Conference*, XKDR, Mumbai, India, December 12 - 13.

**Gupta, S., Garg, S., & Mallick, S. (2022).** Financial Access and Gender-wise Entrepreneurship: Evidence from Rural India. *ISB-NBER Conference*, Hyderabad, India, December 16 -18.

**Kushwaha, K. N., Anand, A., Jayadev, M., & Raghunandan, K. (2022).** Related Party Transactions and Audit Fees: Indian Evidence. *2<sup>nd</sup> International Interdisciplinary Conference on Corporate Governance and Analytics*, Miami, USA, November 8-9.

**Kushwaha, K. N., Ebrahimi, T., & Gupta, G. (2022).** Firm-level Political Risk and Earnings Management. *11<sup>th</sup> India Finance Conference 2022*, Kolkata, India, December 19 - 21.

**Mehta, B. (2022).** Sharing Economy - Awareness, Perception and Preferences. *ISDSI Global Marketing Conference*, Jagdish Sheth School of Management, Bengaluru, India, December 27 - 29.

**Pandey, S. (2023).** On the Limitation of the Self-Serving Bias in Communications by Indians. *73<sup>rd</sup> Annual International Communication Association (ICA) Preconference: Ethics of Critically Interrogating and Reconceptualizing Culture*. University of Toronto, Canada. May 25-29.

**Rahman, M. (2022).** Does Geopolitical Risk forms Interconnectedness in Stock Markets Returns: Evidence from Russian-Ukraine Crisis. *Vietnam Symposium in Banking and Finance*, Hanoi, Vietnam, October 27-29.

**Rahman, M. (2022).** Risk Sharing Framework and Systemic Tolerance: Double Layer Network Approach. *2022 International Society for the Advancement of Financial Economics' Conference*, Ho Chi Minh City, Vietnam, December 5-6.

**Rahman, M. (2023).** Assessing Systemic Risk using CSRISK Approach: A Study on Indian Banking System. *5<sup>th</sup> International Conference on Banking & Finance*, Bhubaneswar, India, February 24-25.

**Roy, M. (2022).** Cooperation and Punishment by Ingroup and Outgroup Managers: An Experimental Analysis. *Behavioral Research in Economics Workshop India (BREW-ESA)*, IIM Bangalore, Bangalore, India, December 16-18.

**Roy, M. (2022).** Identity, Leadership, and Cooperation: An experimental Analysis. *17<sup>th</sup> Annual Conference on Economic Growth and Development*, Indian Statistical Institute, Delhi, India, December 19-21.

**Roy, M. (2023).** Identity, Leadership, and Cooperation: An experimental Analysis. *2023 Asian Meeting of the Econometric Society* - South Central and Western Asia, Mumbai, India, January 10-12.

**Roy, M. (2023).** Peace Talks or Sanctions: Effectiveness of Conflict Resolution Mechanisms in Contests with Identity-dependent Externalities. *ESA World Conference*, Lyon, France, June 26-29.

**Sarkar, A., & Sinha, A. (2022).** Investments and Democracy. *17<sup>th</sup> Annual Conference on Economic Growth and Development*, Indian Statistical Institute, Delhi, India, December 19-21.

**Thomas, S. (2022).** Is Cause-related Marketing Participation Intention Driven by Personality and Subjective Happiness? *XXI International Congress on Public and Nonprofit Marketing*, Braga, Portugal, July 7-8.

**Trivedi, T. (2022).** An Archive at the Margins: Positing 'Deshi Rajya' as a Counterfactual Narrative". *The Institute for Advanced Studies in the Humanities*, University of Edinburgh, Edinburgh, UK, October 19.

**Trivedi, T. (2022).** Colonialism, Nationalism and Urbanism: Tracing Heterogenous Histories and the Growth of Gujarat (India) in the Post-independence Years. *Decoloniality and the Politics of the Urban*. University of Edinburgh, Edinburgh, UK, October 27-28.

**Trivedi, T. (2023).** Tools of History: How Do We Know What We Know. *History Literature Festival*, Ahmedabad University, Ahmedabad, India, March 18-19.

**Unni, J. (2023).** Platforms and Shared Economy: Precarity of Work or Building Agency? *63<sup>rd</sup> Labour Economics Conference* - Indian Society of Labour Economics, Rajiv Gandhi University, Itanagar, India, March 1-3.

**Vyas, P. (2022).** Impact of the Covid-19 Pandemic on Sex Ratios: The Case of Gujarat, India. *India Public Policy Network (IPPN) Annual Conference*. IIM Ahmedabad, Ahmedabad, India, December 13-14.



**Vyas, P. (2022).** Impact of the Covid-19 Pandemic on Sex Ratios: The Case of Gujarat, India. *100 Years of Economic Development*. Cornell University, USA, September 14-17.

**Yadav, S. (2022).** Secondary School Education through the Lens of Dropouts. *2<sup>nd</sup> International Conference on Social Work and Law*, Gandhinagar, India, July 29-30.

**Yadav, S., & Jeemol, U. (2023).** Short and Long-term Impact of COVID-19 on Earnings and Employment in the Metropolitan City. *63<sup>rd</sup> Annual Conference- Indian Society of Labour Economics*, Itanagar, India, March 1-3.

#### Invited Lectures

**Adhvaryu, B.** Planning and Design of Urban Roads, CEPT University, Ahmedabad, February 17, 2023.

**Bihani, A.** The role of Perception of Talent Management impacting Employee Outcomes and Case Study: Conflictorium – A Museum of Conflict. Ahmedabad University, Ahmedabad, June 2, 2023.

**Jain, T., & Singh, R.** R&D Tax Credits and Price Competition: Evidence from India. The Centre for Advanced Financial Research and Learning (CAFRAL), Mumbai, May 2, 2023.

**Jhaveri, H.** Law and Public Policy. 2nd GNLU International Conference on Business Business, Law and Public Policy, Gujarat National Law University, Gandhinagar, March 3-4, 2023.

**Kushwaha, N.** Related Party Transactions and Audit Fees: Indian Evidence. IIM Bangalore, Bengaluru, December 15-17, 2023.

**Mehta, B.** Dos and Don'ts of Social Media. WIRC of Indian Chartered Accountants Association (ICAI) India, Ahmedabad, September 3, 2023.

**Mehta, B.** Literature Review Research Framework and Finding People to Work With. L J University, Ahmedabad, March 25, 2023.

**Mehta, B.** SEWA - Way Forward for Marketing, Self Employed Women's

Association (SEWA), Ahmedabad, April 7, 2023.

**Roy, M.** Identity, Leadership, and Cooperation: An Experimental Analysis. IIT Jodhpur, Jodhpur, December 2-4, 2023.

**Roy, M.** Identity, Leadership, and Cooperation: An Experimental Analysis. Indian School of Business, Hyderabad, July 22-23, 2022.

**Singh, R.** Being Sane with Persons and Groups in the Information Overloaded World. The 27<sup>th</sup> International and the 58<sup>th</sup> National Conference of Indian Academy of Applied Psychology (IAAP), Vigyan Bhavan, New Delhi, February 17, 2023.

**Singh, R.** Birds of a Feather Flock Together: What Scientists know Makes them "Surdas" to What They Don't Know. IIM Kashipur, Kashipur, May 17, 2023.

**Singh, R.** Building a Responsible Environment for Research: Little Things Mean Everything in Science. The 32<sup>nd</sup> National Academy of Philosophy (NAOP), Ahmedabad University, Ahmedabad, March 3, 2023.

**Singh, R.** Guiding University Students for Research. Daulat Ram College, Delhi University, December 9, 2022.

**Singh, R.** Guiding University Students for Research. Doctoral Workshop, IIM Lucknow, Lucknow, December 7, 2022.

**Singh, R.** Perception of People and Events: Little Things Mean Everything. Training Programme for IAS- Phase I Officers, The Lal Bahadur Shastri National Academy of Administration, Mussoorie, August 8, 2022.

**Singh, R.** Plight, Meaning, and Correct Paradigms of Research, Management Education and Research Colloquium (MERC), IIM Kashipur, Kashipur, May 10-21, 2023.

**Singh, R.** Preparing a Manuscript for Publication. ISB&M Faculty Development Programme, ISB&M Pune, June 17, 2023.

**Singh, R.** Responding to Negative Events: Thoughts Provoked by Covid-19 Disruptions. International Conference on Psychosocial Implications in Health and Wellbeing: Looking Beyond the Boundaries, SGT University, Gurugram, November 2-3, 2022.

**Singh, R.** What, Why, and How of Paradigmatic Research. Patna Women's College, Patna, August 29, 2022.

**Singh, R.** What, Why, and How of Research. ISB&M Faculty Development Programme, ISB&M Pune, June 16, 2023.

**Thomas, S.** Research-O-Pedia Writing to Publication. Karnavati University, Ahmedabad, September 24, 2022.

**Trivedi, T.** Community Engagement and Collective Memory: Interpreting the Archives. Constructing Personal Archives Workshop 4, Bangalore, November 17, 2022.

**Unni, J.** Employment and Education in India and China. St Aloysius College, Kerala, February 22, 2023.

**Yadav, S.** Economic Analysis of Crime & Public Policy. 6th GNLU International Conference on Economic Analysis of Law, Gujarat National Law University, Gandhinagar, March 18-19, 2023.

**Yadav, S.** Today's Indian Economy in Global Perspective. Economics Study Circle, Blind People's Association, Ahmedabad, February 26, 2023.

**Yadav, S.** Union Budget 2023. Ahmedabad University, Ahmedabad, February 1, 2023.

**Yadav, S.** Union Budget. Akashvani, Ahmedabad, February 1, 2023.

#### Research Working Papers

**Arora, P., & Roy, M.** Are Students Really Biased Against Female Professors?- Experimental Evidence from India. WP-AMSOM-EPP-2023-01, Ahmedabad University.

**Chakraborty P., Singh R., & Soundararajan V.** Import Competition, Formalization, and the Role of Contract Labor. WP-WP-AMSOM-EPP-2022-01, Ahmedabad University.

**Das Gupta, S.** Greener Energy Choices and Work from Home (WFH): Survey Results from India. WP-AMSOM-EPP-2022-02, Ahmedabad University and United States Association for Energy Economics.

**Mehta B., Pandit S., Nanavati A., & Yadav S.** Need Analysis for Emotional Health and Wellbeing for Student-led Technology Based Interventions at Ahmedabad University. WP-AMSOM-MAR-2022-01, Ahmedabad University.

**Roy, M., & Houser, D.** Identity, Leadership, and Cooperation: An Experimental Analysis. WP-AMSOM-EPP-2022-03, Ahmedabad University and George Mason University.

**Singh, R., Chakraborty, P., & Soundararajan, V.** Import Competition, Formalization, and the Role of Contract Labor. WP-AMSOM-EPP-2022-04, Ahmedabad University and IZA Institute of Labor Economics.

#### Teaching Material

##### Cases

**Bihani, A., & Thaker, N. (2023).** V. G. Siddhartha: A Lot Can Happen Over Coffee. CS-22-002, Amrut Mody School of Management, Ahmedabad University.

**Tripathi, V., & Basu, S. (2022).** Investment in Foreign Stock: A Cash Flow Analysis. CS-22-001, Amrut Mody School of Management, Ahmedabad University.

#### Teaching Notes

**Tripathi, V., & Basu, S. (2022).** Investment in Foreign Stock: A Cash Flow Analysis. CS-22-001 TN, Amrut Mody School of Management, Ahmedabad University.

**Bihani, A., & Thaker, N. (2023).** V. G. Siddhartha: A Lot Can Happen Over Coffee. CS-22-002TN, Amrut Mody School of Management, Ahmedabad University.





# School of Arts and Sciences

The School has five academic divisions: Humanities and Languages, Social Sciences, Mathematical and Physical Sciences, Biological and Life Sciences, and Performing and Visual Arts. This academic year, our first cohort of Bachelor of Arts and Bachelor of Science Programmes students graduated. Many of our graduates go for higher education in reputed international institutes, seek employment, or pursue research projects at institutions like the Indian Institute of Astrophysics. Our faculties have publications, conferences, grants, and awards to their credit. We established new research and teaching laboratories and signed two MoUs with the industry for research collaboration.

## Programmes

### UNDERGRADUATE

#### Bachelor of Arts (Honours)

- Major in Economics
- Major in History
- Major in Philosophy, History, and Languages
- Major in Psychology
- Major in Social and Political Sciences

#### Bachelor of Science (Honours)

- Major in Computer Science
- Major in Mathematical and Computational Science
- Major in Physics

### Integrated Master of Science

- Major in Life Sciences

### DOCTORAL PROGRAMMES

- Interdisciplinary PhD in Humanities and Social Sciences
- PhD in Life Sciences
- PhD in Mathematical and Computational Science
- PhD in Physics

## Faculty Achievements



**Subhash Rajpurohit**  
Associate Professor

Received the European Molecular Biology Organization (EMBO) Fellowship 2022 to collaborate with eminent evolutionary biologist and Pro-Vice-Chancellor, Cornwall, David Hosken's Lab.

Selected to the Equal Opportunities Initiative Committee of the European Society for Evolutionary Biology.

Selected as an Editorial Board Member of the Journal of Thermal Biology IF 3.2, Elsevier Publications.



**Kaushik Jana**  
Assistant Professor

Selected as an Early Career Advisory Board Member of the Journal of Multivariate Analysis.

Selected as Scientific Committee Member for the International Indian Statistical Association Annual Conferences in Colorado, USA, and at Indian Institute of Science, Bangalore.



**Mousa Mohammadian**  
Assistant Professor

Received the Institute Vienna Circle Fellowship by the University of Vienna.

Received the Center for Philosophy of Science Fellowship by the University of Pittsburgh.



**Chandler Hatch**  
Assistant Professor

Received the George Plimpton Adams Dissertation Prize awarded by the Department of Philosophy, Harvard University.



**Ashutosh Kumar**  
Associate Professor

Recognised in the World's Top 2% Scientists list for 2022 by Stanford University.



**Rajesh Naidu**  
Assistant Professor

Selected by artist Mary Whyte to the 3rd International competition and fundraiser, *A View of Self, for his self-portrait, New in the City*. It was one of the Top 50 entries.

## New Faculty

**JITESH JHAWAR**  
Assistant Professor

*PhD in Ecology, Indian Institute of Science Bangalore*

**SAMYADAY CHOUDHURY**  
Assistant Professor

*PhD in Astronomy & Astrophysics, Indian Institute of Science, Bangalore*

**LAKSHMI SREERAM**  
Associate Professor

*PhD in Philosophy, University of Mumbai*





**Ritesh Shukla**  
Assistant Professor

Recognised in the World's Top 2% Scientists list for 2022 by Stanford University.

Received the Young Scientist Medal 2022 from the International Association of Advanced Materials, Sweden.



**Ashim Rai**  
Assistant Professor

Awarded the prestigious Wellcome Trust-DBT India Alliance Intermediate Fellowship to work on mechanisms of host-pathogen interactions in Salmonella.



**Aditya Vaishya**  
Assistant Professor

Convened Commission F of the International Union of Radio Science at the Regional Conference on Radio Science (URSI - RCRS 2022).

Coordinated the Physics Training and Talent Search (PTTS) 2022 Summer School, hosted by Ahmedabad University and funded by the Infosys Science Foundation.



**Nithin George**  
Assistant Professor

Received the Durganand Sinha Best Dissertation Award 2023 by the Durganand Sinha Trust.



**Maryann Chacko**  
Assistant Professor

Selected to be the Chair, South Asia Special Interest Group, Comparative and International Education Society, USA.



**Shomen Mukherjee**  
Assistant Professor

Conducted a study on the heterogeneous landscapes of cities and their impact on mosquito-borne diseases which won his lab member Dr Michelle Evans, a visiting PhD student from the University of Georgia, the prestigious Rachel Carson Prize (2022).

## Seminar and Lecture Series

**Nikita Dhawan**, Chair in Political Theory and History of Ideas, Technical University Dresden, Germany. *Global Justice and (Im)possible Solidarities*. August 4, 2022.

**Nikhil Menon**, Department of History, University of Notre Dame, USA. *Planning Democracy: How a Professor, an Institute and an Idea Shaped India*. September 8, 2022.

**Dr Suhas Doshi**, Director and Consultant Psychiatrist, GIPS Hospital, and Maitreya Parikh, Director and Consultant Psychiatrist, Psychotherapist, GIPS Hospital. *Mind Your Mind*. October 10, 2022.

**Waqar Zaidi**, Chair of the Department of Humanities and Social Sciences, Associate Professor of History, Lahore University of Management Sciences. *Machines for Peace: Aviation, Atomic Energy, and the Search for Collective Security, 1920-50*. November 2, 2022.

**Dr Sharmila Bapat**, Head, Ovarian Cancer Biology Group, National Centre for Cell Science, Pune. *Transcriptional Plasticity - Enhancing Molecular Diversity in a Cell Through Chimeric Transcripts*. November 9, 2022.

**Gabrielle Kruks-Wisner**, Associate Professor of Politics and Global Studies, University of Virginia. *Claiming the State: India's Active Citizenship in Global Perspective*. November 16, 2022.

**Mahesh Rangarajan**, Professor of History and Environmental Studies, Ashoka University. *Rethinking the Anthropocene: Environmental History as if Asia Mattered*. November 17, 2023.

**Nancy Neiman**, Visiting Fulbright-Nehru Research Fellow. *Markets Community and Just Infrastructures*. January 13, 2023.

**Maya Jasanoff**, Coolidge Professor of History, Harvard University. *Monumental Battles: What Should We Do With a Controversial Past?* January 18, 2023.

**Anne Cheng**, Chair of Chinese Intellectual History, Collège de France. *The Chinese Claim for Universality*. February 10, 2023.

**Srinivas Reddy**, Visiting Assistant Professor, Contemplative Studies, Brown University, Guest Professor, IIT Gandhinagar. *Six Thoughts on Indian Classical Music and Modernity*. February 15, 2023.

**Lori Foster**, Professor, Industrial-Organisational Psychology, North Carolina State University. *Applying Behavioural Science to Sustainable Development*. March 4, 2023.

**Prachi Deshpande**, Associate Professor of History, Centre for Studies in Social Sciences, Calcutta. *Cursive Histories: The Modi Script, Writing and the Marathi Language in History*. March 17, 2023.

**Pankaj Joshi**, Distinguished Professor of Physics and Director, International Centre for Space and Cosmology, Ahmedabad University. *At the Heart of Our Galaxy: Shadows and the Singularity*. March 29, 2023.

**Major General (Ret) Robert Latiff**, Adjunct Professor, University of Notre Dame, and Research Professor, George Mason University. *Advanced Weapons: Technology in the Service of Violence*. April 5, 2023.

**Navinder Singh**, Professor, Theoretical Physics Division, Physical Research Laboratory (PRL), Ahmedabad. *Unconventional Superconductivity: A Semi-technical Overview*. April 12, 2023.

**Sunil Shanbag**, Veteran Theatre Director. *Our Theatre, My Theatre*. May 5, 2023.

## Workshops

**Exploring Theatre Performance with Sunil Shanbag**  
In January and March 2023, veteran theatre director Sunil Shanbag conducted two intensive theatre workshops for the students during which they were introduced to the fundamentals of theatre performance.

**Exploring Dramatic Text with Sunil Shanbag**  
In February and March 2023, Sunil Shanbag conducted a workshop to introduce students to the fundamentals of dramatic text as a tool in performance.

**An Introduction to Theatre**  
In May 2023, Sunil Shanbag conducted a four-hour workshop to give participants a brief glimpse of the exciting challenges inherent in theatre practice for both actors and theatre makers.

**Sustainable Urban Transport - Way Forward**  
In September 2022, Darshini Mahadevia, Professor, School of Arts and Sciences, and Minal Pathak, Associate Professor, Global Centre for Environment and Energy, conducted a workshop The Sustainable Urban Transport - a Way Forward. It was a part of the Opportunities for Climate Mitigation and Sustainable Development (OPTIMISM) project.

**Preparing Thesis and Manuscript Using LaTeX**  
In January 2023, Keita Omi, Assistant Professor, School of Arts and Sciences, conducted a workshop on LaTeX, a free software system widely used in academic writing.

**Data Visualisation Using R**  
In February 2023, Assistant Professors Angshuman Roy and Gaurav Bhattacharya, Amrut Mody School of Management and Keita Omi, School of Arts and Sciences, conducted a beginner-level workshop on R, a freely available platform that is widely used in academia and industry for data analytics and visualisation.

**Quantum Computing Hackathon**  
In April 2023, a two-day hackathon was co-hosted by Ahmedabad University and the University of Oklahoma on Quantum Computing.

## Events

### CHIASMA 2023

CHIASMA 2023 was held on February 3-5, 2023. It is a student-led science fest organised by the Biological and Life Sciences division of the School of Arts and Sciences since 2017. The fest provides a platform for students to venture into the world of Life Sciences by bridging the gap between scientific exploration and everyday life.

### ETHOS

ETHOS is a festival organised by the students for the students at Ahmedabad University. It embodied our interdisciplinary spirit through collaborative events and workshops followed by cultural celebrations. It was held from October 14-16, 2022 and had engaging sessions, including Mystery Room: The Art of Escape, The Millennial Charcha, and Amdawad Safarnama: The Heritage Walk.





## Conferences

### Combinatorial Number Theory And Connected Topics (CONTACT - II)

February 4-5, 2023

Organised by Debika Banerjee, Indraprastha Institute of Information Technology, Delhi; Eshita Mazumdar, Ahmedabad University; and Arindam Roy, The University of North Carolina at Charlotte, USA.

### The Pandemic and Urban Governance: Changing State-Society Relationships and Learning from COVID-19

April 19-20, 2023

Led by Darshini Mahadevia, Professor, School of Arts and Sciences. It was a presentation of their findings from their British Academy-funded project, *Managing Covid-19 in India's Cities: Reshaping People's Everyday Lives in Poorer Urban Neighbourhoods*.

### 32<sup>nd</sup> Annual Convention of the National Academy of Psychology (NAOP)

March 3-5, 2023

Jointly organised by Ahmedabad University and NAOP, and convened by Urmi Nanda Biswas, Professor, School of Arts and Sciences. The theme was *Building a Resilient and Responsible World: Emerging Trends in Psychology*.

### 15<sup>th</sup> Young Investigators' Meeting 2023

February 13-17, 2023

Jointly hosted by Ahmedabad University and Indian Institute of Technology Gandhinagar for discussions and interactions focusing on science.

## Field Trips

### Introduction to Field Ecology

Students joined Shomen Mukherjee, Associate Professor, for a 15-day field trip in July 2022 through the wilderness at Kutch, 400 kms away from Ahmedabad. The entirely field-based course *Introduction to Field Ecology* helped students connect with nature through an understanding of the importance of observation and documentation. The course familiarised them with ecological theories and assisted them in applying them to understand ecological patterns and processes.

### Introduction to Plant Biology

In April 2023, Bhuvan Pathak, Assistant Professor, organised a field visit to the Serenity Trust Library and Botanical Garden at Koteswar, Ahmedabad, which is home to over 1000 exotic and indigenous plant species. Students identified more than 20 different plant species present in the garden and performed a diversity index analysis of the garden.

### 4<sup>th</sup> Conference of the Indian Society of Evolutionary Biologists

February 9-11, 2023

Jointly organised by the Indian Society of Evolutionary Biologists and Ahmedabad University. The plenary speakers included Allen Gibbs, Professor, University of Nevada, USA; Paul Schmidt, Professor, University of Pennsylvania, USA; Renee M Borges, Professor, Indian Institute of Sciences, Bengaluru, India; Amitabh Joshi, Professor, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), India; and Jun-Yi Leu, Distinguished Research Fellow, Academic Sinica, Taiwan.

### Redefining Gender: Transgressive Thinking and Subversive Solidarities

September 21, 2022

Jointly organised by Ahmedabad University and Denison University. Two Assistant Professors from the School of Arts and Sciences, Manomohini Dutta and Leya Mathew presented papers on *Rethinking Women's Rights to Property in Hindu Legal Traditions* and *Refusing Freedom, Happiness, Gayness, respectively*.

### Trade and Religion in the Indian Ocean World

Students visited the 17<sup>th</sup>-18<sup>th</sup> century Dutch East India Company settlement/factory at Kankaria within the city with Murari Kumar Jha, Assistant Professor. They compared the archaeological remains of the settlement at the site with the contemporary Dutch maps/sketches. They surveyed the extended settlement site and submitted individual reports as a part of their evaluation component. These reports reflected on Ahmedabad's oceanic and overseas connections in the 17<sup>th</sup> and 18<sup>th</sup> centuries.

## Student Achievements



### Aditi Patel

*Doctoral Student in the Biological and Life Sciences*

Received the prestigious Global Scholar-In-Training Award in April 2023 from the American Association for Cancer Research for her work on the prognosis of oral cancer.



### Mana Hetal Shah

*Integrated Master of Science in Life Sciences*

Part of the team that lifted the Mahatma Gandhi Trophy at the Mahatma Gandhi Inter-Collegiate Elocution Competition for the second successive year. The rotating trophy is over eight decades old.

Secured the 1<sup>st</sup> position at the national-level debate competition organised by the Centre for Heritage Management at Ahmedabad University. Students from 45-50 colleges from around the country participated and debated on the role of heritage in development.



### Ankit Naik

*Doctoral Student in the Biological and Life Sciences*

Awarded the SERB International Travel Support for attending the EACR 2023 Annual Congress held in Torino, Italy.

Nominated to the Full Membership of the prestigious Sigma Xi Society, a multidisciplinary community of science, technology, engineering, and mathematics professionals dedicated to research excellence and promoting public engagement with science.



### Forum Shah

*Bachelor of Science (Honours) in Computer Science*

Won the Best Paper Award at the 15th IEEE International Conference on Communication Systems and NETworks (COMSMETS 2023) for her study on *Novel Crash Prevention Framework for C-V2X using Deep Learning*.



### Suman Mallick

*Doctoral Student in the Biological and Life Sciences*

Received the Scheme Of Developing High Quality Research (SHODH) Scholarship from the Education Department, Government of Gujarat, for research on the impact of the exotic Amazonian Sailfin Catfish on Indian freshwater systems, under the mentorship of Ratna Ghosal, Assistant Professor.



### Anant Jani



### Mariyah Mansuri

*Bachelor of Arts (Honours) in Philosophy, History and Languages*

Assisted in research and the curation of a range of exhibits from 17th century Pahari paintings to 6th century BCE Indian coins while interning at the Lalbhai Dalpatbhai Museum, Ahmedabad. They also used their digital skills to help create virtual exhibits.



### Dinki Desai

*Bachelor of Arts (Honours) in Social and Political Sciences*

Participated as a Liaison Officer at the prestigious Urban-20 Mayoral Summit held in Ahmedabad that brought together mayors and delegates from cities around the world to discuss urban development, sustainable practices, and innovative solutions for our rapidly evolving urban landscapes.



## Guest Lectures

**Parthasarathi Ramakrishnan**, FRSC, Principal Scientist, CSIR-Indian Institute of Toxicology Research, Lucknow. *Driving Biological Solutions Through Computational Approaches*. September 8, 2022.

**Atul Singh**, Founder, CEO & Editor-in-Chief, Fair Observer, USA. *SPS 261 Government Secrecy and Intelligence Studies, Undergraduate Writing Workshop*. September 14, 2022.

**Atul Singh**, Founder, CEO & Editor-in-Chief, Fair Observer, USA. *SPS 250 Introduction to International Relations, Undergraduate Writing Workshop*. September 14, 2022.

**Atul Singh**, Founder, CEO & Editor-in-Chief, Fair Observer, USA. *SPS303 Locating Globalisation, Undergraduate Writing Workshop*. September 14, 2022.

**Ghanshyam Shah**, Retired Professor, JNU, New Delhi. *Morality of Affirmative Actions*. September 15, 2022.

**Ratna Ghosal**, Assistant Professor, Ahmedabad University, Ahmedabad. *Ethics In Wildlife and Environment*. September 29, 2022.

**Ravi Miglani**, Professor of Practice, Ahmedabad University, Ahmedabad. *Ownership, Trust, Ethics, Responsibility*. October 13, 2022.

**Bhushan Punani**, Executive Secretary, Blind People's Association, Ahmedabad. *My Journey of Deviation from the Mainstream of Professional Management*. November 3, 2022.

**Sunil Kale**, Dean, School of Engineering and Applied Science, Ahmedabad University, Ahmedabad. *Ethics in Engineering*. November 8, 2022.

**Parisha J. Mehta**, Assistant Professor, The Maharaja Sayajirao University of Baroda, Baroda. *Ethics in Psychological Assessment and Therapy*. November 10, 2022.

**Rahul Advani**, Associate, Quantum Consumer Solutions: Insight & Design Strategy, Bengaluru. *The Selfie Speaks A Thousand Words: Negotiating Masculinity, Intimacy, And Sameness Through The Photograph In Pune*. November 11, 2022.

**Nandini Hebbar**, Independent Researcher, Ahmedabad. *Becoming Professional, Being*

*Respectable*. November 17, 2022.

**Subrata Kundu**, Professor, George Washington University, Washington DC, USA. *Introductory Statistics with Stories*. November 18, 2022.

**Savitha Suresh Babu**, Convenor, Kanaja & Faculty, Baduku Centre for Livelihoods Learning, Bengaluru. *The Social Worlds Of Higher Education: Welfare Hostels As Pedagogic Sites*. November 22, 2022.

**Douglas E. Haynes**, Professor, Dartmouth University, Hanover, USA. *The History of the Surat Textile Industry, and Comparisons with Ahmedabad*. December 7, 2022.

**Santosh Yadav**, Botanist, Serenity Library and Botanical Garden, Ahmedabad. *Classification of Angiosperms*. January 30, 2023.

**Renu Desai**, Independent Scholar, Ahmedabad. *Governing The Urban Poor: City Beautification and Development Projects, Slum Resettlement and The Politics Of Inclusion in Ahmedabad*. February 9, 2023.

**Parag Chhaya**, Vice President, HR, Zydus Pharmaceuticals, Ahmedabad. *Diversity Management*. March 2, 2023.

**Roshni Samarth**, Senior Scientist, ICAR-National Research Center for Grapes, Pune. *Embryo Rescue in Grapes*. March 10, 2023.

**Sunil Shanbag**, Theatre Director, Arpana Theatre, Mumbai. *Theatre in India*. March 21, 2023.

**Subramanian Sankaranarayanan**, Assistant Professor, IIT Gandhinagar, Gandhinagar. *Male - Female Gametogenesis and Double Fertilisation*. March 24, 2023.

**Mahesh Bhat**, Professor, Srishti Manipal Institute of Art, Design & Technology, Bangalore. *Making New Worlds with Photography*. March 28, 2023.

**Chorshanbe Goibnazarov**, Assistant Professor, University of Central Asia, Dushanbe, Tajikistan. *Music Traditions of Tajikistan*. March 31, 2023.

**Jitesh Jhavar**, Assistant Professor, Ahmedabad University, Ahmedabad. *Machine Learning and Data Analysis in Ecology*. April 11, 2023.

## Research Seminar Series

**G V Reddy**, Rajasthan State Biodiversity Board. *Dynamics and Dilemmas of Wildlife Conservation in Human Dominated Landscape*. July 13, 2022.

**Samyaday Choudhury**, Space Telescope Science Institute, USA. *A Journey to our Nearby Universe*. August 8, 2022.

**Lakshmi Sreeram**, Classical Musician, Writer and Independent Researcher, Chennai. *Legacies of Colonialism in Classical Music*. September 12, 2022.

**Sushmita Pati**, National Law School of India University. *How Rent Shapes our Cities: Cartels, Control and the Making of a Housing Market*. November 9, 2022.

**Eshita Mazumdar**, Ahmedabad University. *Different Aspects of Zero-Sum Problems*. November 16, 2022.

**Nisarg Mehta**, University of Chicago, USA. *The Garb of Modernity: The NRI Gaze and the Indian Developmental State*. January 25, 2023.

**Aditya Chaturvedi**, Emory University, Atlanta. *To Serve or Not to Serve the Deity: A Hermeneutic Approach to Ethnography of Everyday Devotion*. March 1, 2023.

**Pravakar Paul**, University of Iowa, USA. *A Quantum Invariant of Knot: Khovanov Homology*. March 2, 2023.

**Jonathan Spiegler**, Michigan State University, USA. *Democratic Fatalism: Tocqueville, Racism, and Democracy*. March 31, 2023.

**Shekhar Chandra**, Massachusetts Institute of Technology, USA. *Why are Anti-Corruption Reforms Difficult to Implement? Evidence from India's state Police Bureaucracy*. April 20, 2023.

**Rucha Sarwate**, Savitribai Phule University, Pune. *From Melancholy to Metamorphosis: Observations from the Field of Psychotherapy*. May 2, 2023.

**Manjil P. Saikia**, University of Vienna, Austria. *Alternating Sign Matrices and Plane Partitions*. May 25, 2023.

**Anand Dixit**, Iowa State University, USA. *Analysing Relevance Vector Machines Using a Single Penalty Approach*. May 30, 2023.

**Samrat Roy**, University of Florida, USA. *Regularised High Dimension Low Tubal-Rank Tensor Regression*. June 6, 2023.

**Pallavi Narayan**, Indian Institute of Technology Delhi. *Imagining Pamuk's Istanbul: The Fictional Museum*. June 9, 2023.

## Intersections

In order to actively foster interdisciplinary research and teaching, the Intersections seminar series in the School of Arts and Sciences hosts short non-technical research presentations.

The School organised multiple seminars during the academic year 2022-2023 and Manomohini Dutta, Assistant Professor in the Humanities and Languages division, and Susanta Tewari, Assistant Professor in the

Mathematical and Physical Sciences division were the conveners.

**Shilpa Pandit and Susanta Tewari**, *Music, Aesthetics, and Software Architectures*. March 15, 2023.

**Samyaday Choudhury and Ranu Roychoudhuri**, *Are you Seeing Closely?* April 26, 2023





## Student Presentations

**Desai, C., & Ghosal, R.** *Social Recognition in an Endemic Indian cichlid, the Green Chromide (Etropus suratensis): A Kind of Fish, Understanding Behaviour* 2023: Behaviour Ecology and evolution in India, IISER Kolkata, June 2023.

**Iyer, S. H., Mohnani, R. J., Saha, A., & Bhatia, B.** *The Impact of Cyber Bullying on the Mental Health of Students at an Undergraduate University in India*, Electronic Undergraduate Statistics Research Conference, Virtual, November 2022.

**Malick, S. & Ghosal, R.** *Interspecific Interactions Between the Amazon Sailfin Catfish (Pterygoplichthys sp.) and Rohu (Labeo rohita) under Laboratory Conditions*, Understanding Behaviour 2023: Behaviour Ecology and evolution in India, IISER Kolkata, June 2023.

**Panchal, N., Biswas, A., Choudhary, S. M., Rajpura, A., Siyani, J. K., & Surti, A. A.** *Caste and its Effect Love, Marriage and Friendship in India: A Mixed Methods Study*, Electronic Undergraduate Statistics Research Conference, Virtual, November 2022.

**Shah, F. N.** *Novel Crash Prevention Framework for C-V2X using Deep Learning*, 15<sup>th</sup> International Conference on COMMunication Systems & NETworkS (COMSNETS 2023), Bangalore, January 2023.

**Suri, K.** *Development Of A Novel Paper-Based Multiplex Detection Device For Blood Identification*, 25<sup>th</sup> All India Forensic Science Conference, National Forensic Science University, Gandhinagar, February 2023.

**Vayangankar, E. P., Bhatt, H. B., Singh, T., Bhootra, K., Patel, R. R., & Karaniya, R. N.** *Social Media Consumption and its Influence on Young People's Self-Confidence: A Mixed Methods Study*, Electronic Undergraduate Statistics Research Conference, Virtual, November 2022.

## Books

**Kumar, A. (2023).** *Environmental Toxicology and Ecosystem*. Boca Raton: CRC Press.

**Shukla, R., Kapoor, N., & Badiye, A. (2022).** *Forensic Microscopy Truth Under the Lenses*. New York: CRC Press.

**Pandit, S. (2023).** *Decolonizing Consciousness Reclaiming the Indian Psychology of Well-being*. London: Routledge.

## Book Chapters

**Amir, S. (2023).** The Ethical in the Transmission of Sunna: Rethinking the Ulama-Qussas Conflict. In M. al-Khatib (Ed.) *Hadith and Ethics through the Lens of Interdisciplinarity* (198-220), Leiden & Boston: Brill.

**Ansari, N., & Shukla, R. (2022).** Forensic Applications of Atomic Force Microscope. In R.K. Shukla, N. Kapoor, & A. Badiye (Eds.), *Forensic Microscopy-Truth under the Lenses* (295-310), New York: CRC Press.

**Badiye, A., Kapoor, N., & Shukla, R. (2022).** Forensic Applications of Electron Microscope. In R. K. Shukla, N. Kapoor, & A. Badiye (Eds.), *Forensic Microscopy Truth Under the Lenses* (251-270), New York: CRC Press.

**Badiye, A., Kapoor, N., & Shukla, R. (2022).** Introduction to Microscopy. In R. K. Shukla, N. Kapoor, & A. Badiye (Eds.), *Forensic Microscopy-Truth under the Lenses* (1-18), New York: CRC Press.

**Badiye, A., Kharoshah, M., Moon, P., Shukla, R., & Kapoor, N. (2023).** *Forensic Applications of Phase Contrast Microscope*. In R. K. Shukla, N. Kapoor, & A. Badiye (Eds.), *Forensic Microscopy-Truth under the Lenses* (227-236), New York: CRC Press.

**Biswas, U. (2022).** Understanding Care- Receiver's Perspective about EldercareServices in India. In P. Roy, S. Sanyal, & S. Patel (Eds.), *Elderly*

*in India: A Collection of Selected Writings* (5-20), New Delhi: AlterNotes Press.

**Chacko, M. (2023).** Mediated Childhoods: Newspapers and the Modern Malayali Child. In A. Dar, & D. Kannan (Eds.), *Childhood and Youth in India: Engagements with Modernity* (77-99), Switzerland: Palgrave Macmillan.

**Deo, A. (2022).** Oral Traditions in the Aural Public Sphere: Digital Archiving of Vernacular Musics in North India. In G. Born (Ed.) *Music and Digital Media: A Planetary Anthropology* (135-176), London: UCL Press.

**Kapoor, N., Shukla, R., & Badiye, A. (2022).** Introduction to Simple (Handheld) Microscopes. In R. K. Shukla, N. Kapoor, & A. Badiye (Eds.), *Forensic Microscopy-Truth under the Lenses* (41-56), New York: CRC Press.

**Kumar, A. (2022).** Gefühl in Kant's Gefühl eines Daseins: Clues from Tetens and Feder. In G. Motta, D. Schulting, & U. Thiel (Eds.), *Kant's Transcendental Deduction and the Theory of Apperception: New Interpretations* (219-250), Berlin: Walter de Gruyter.

**Lesko, N., Chacko, M., & Khoja-Moolji, S. (2023).** The Promises of Empowered Girls. In J. Wyn, & H. Cahill (Eds.), *Handbook of Children and Youth Studies*, Singapore: Springer.

**Mansuri, A., & Kumar, A. (2022).** A Ubiquitous Adsorbent in Aquatic Systems to Probe Nanoparticles Behavior and Effects in Ecosystem. In A. Kumar (Ed.) *Environmental Toxicology and Ecosystem* (59-83), Boca Raton: CRC Press.

**Mathew, L. (2023).** Gender and Liberalization in India (State of the art review of the field). In I. Roy, & M. Desai (Eds.), *The Cambridge Companion to Indian Politics and Society*, Cambridge: Cambridge University Press.

**Mazmudar, D., Raiyani, D., & Kumar, A. (2022).** Environmental Paradigm Change and Risk Assessment. In A. Kumar (Ed.) *Environmental Toxicology and Ecosystem* (1-10), Boca Raton: CRC Press.

**Nasra, S., & Kumar, A. (2023).** Metabolism of Environmental Pollutants with Specific Reference to Pesticides, Endocrine Disrupters, and Mutagenic Pollutants. In A. Kumar (Ed.) *Environmental Toxicology and Ecosystem* (165-177), Boca Raton: CRC Press.

**Pandit, S. (2023).** Rasa in Indian Wisdom Traditions: From Aesthetic Experience to Radical Transformation of Life and Living. In S. Chaphekar, P. N. Prabhavathy, & R. Pejathaya (Eds.), *Sangita Sinkirtanam: Music and Bhakti* (237-249), Pune: Chinmaya International Foundation.

**Ramnath, A., Winberg, C., Pevkur, A., & Conlon, E. (2023).** The Historically Global Forming of Engineering Education. In Ad. Johri (Ed.) *International Handbook of Engineering Education Research* (9-29), New York: Routledge.

**Roychoudhuri, R. (2022).** Intermediality and Cosmopolitanism: Photography and Activism in Postcolonial Calcutta. In G. Sinha (Ed.) *Points of View: Defining Moments of Photography in India* (204—221), New Delhi: Kiran Nadar Museum of Art.

**Saini, V., & Shukla, R. (2022).** Forensic Applications of Fluorescence Microscope. In R. K. Shukla, N. Kapoor, & A. Badiye (Eds.), *Forensic Microscopy-Truth under the Lenses* (135-149), New York: CRC Press.

**Shah, S., & Kumar, A. (2023).** Bioavailability, Bioconcentration, and Biomagnification of Pollutants. In A. Kumar (Ed.) *Environmental Toxicology and Ecosystem* (179-214), Boca Raton: CRC Press.

**Shukla, R., Biswas, P., & Yadav, R. (2022).** Forensic Applications of Compound Microscope. In R. K. Shukla, N. Kapoor, & A. Badiye (Eds.), *Forensic Microscopy-Truth under the Lenses* (83-106), New York: CRC Press.

**Vajpayee, K., Kansara, K., & Shukla, R. (2022).** Toxicology of Metal Ions, Pesticides, Nanomaterials, and Microplastics. In A. Kumar (Ed.) *Environmental Toxicology and Ecosystem* (35-57), New York: CRC Press.

## Journal Articles

**Balachandran, N., & Mazumdar, E. (2023).** The Weighted Davenport Constant of a Group and a Related Extremal Problem- II. *European Journal of Combinatorics*, 111, 103691. <https://doi.org/10.1016/j.ejc.2023.103691>

**Berchembrock, Y., Pathak, B., Maurya, C., Botelho, F., & Srivastava, V. (2022).** Phenotypic and Transcriptomic Analysis Reveals Early Stress Responses in Transgenic Rice Expressing Arabidopsis DREB1a. *Plant Direct*, 6(10), e456. <https://doi.org/10.1002/pld3.456>

**Biswas, U. (2023).** Decoding Complexities in Designing Health Communication: Lessons from Field Case Studies. *Towards Excellence*, 15(2), 365-377. <https://doi.org/10.37867/TE150238>

**Biswas, U., & Jijina, P. (2022).** Lockdown Experience, Beliefs in and Practice of Spirituality: Implications for Health and Adherence to Protective Behaviour. *Mental Health, Religion & Culture*, 25(6), 609-626. <https://doi.org/10.1080/13674676.2022.2027354>

**Chakrabarti, S., Dave, B., Dutta, K., & Goswami, G. (2022).** Constraints on the Mass and Self-coupling of Ultra-light Scalar Field Dark Matter Using Observational Limits on Galactic Central Mass. *Journal of Cosmology and Astroparticle Physics*, 2022 (09), 1-26. <https://doi.org/10.1088/1475-7516/2022/09/074>

**Chaudhari, R., & Kumar, A. (2022).** Ion Implantation of 109Ag Stable Isotope as a Tracer in SS316L Biomedical Implant for Failure Detection. *Materials Today Communications*, 33, 104563. <https://doi.org/10.1016/j.mtcomm.2022.104563>

**Dalpatraj, N., Naik, A., & Thakur, N. (2023).** GSK-J4: An H3K27 Histone Demethylase Inhibitor, as a Potential Anti-cancer Agent. *International Journal of Cancer*, 153(6), 1130-1138. <https://doi.org/10.1002/ijc.34559>

**Dalpatraj, N., Tak, J., Naik, A., & Thakur, N. (2022).** Hesperetin Modulates TGF $\beta$  Induced Metastatic Potential of Prostate Cancer Cells by Altering Histone Methylation Marks. *Advances in Cancer Biology - Metastasis*, 6(6), 2667-3940. <https://doi.org/10.1016/j.adcanc.2022.100077>

**Dalpatraj, N., Tak, J., Naik, A., & Thakur, N., (2023).** Combination Treatment of a Phytochemical and a Histone Demethylase Inhibitor- A Novel Approach towards Targeting TGF $\beta$ -Induced EMT, Invasion, and Migration in Prostate Cancer. *International Journal of Molecular Sciences*, 24(3), 1860. <https://doi.org/10.3390/ijms24031860>

**Danielson, J., Ghosh, S., & Surko, C., (2022).** Enhancement of positron binding energy in molecules containing pi bonds. *Physical Review A*, 106(3), 0328111-0328118. <https://doi.org/10.103/PhysRevA.106.032811>

**Desai, B. (2022).** Identification of Freeranging Mugger Crocodiles (Crocodylus Palustris) Using UAV Videos and Deep Learning Methods. *Ecological Informatics*, 72(6), 101874. <https://doi.org/10.1016/j.ecoinf.2022.101874>.

**Evans, M. V., Bhatnagar, S., Drake, J. M., Murdock, C. C., Rice, J. L., & Mukherjee, S. (2023).** The Mismatch of Narratives and Local Ecologies in the Everyday Governance of Water Access and Mosquito Control in an Urbanizing Community. *Health and Place*, 80, 102989. <https://doi.org/10.1016/j.healthplace.2023.102989>

**Evans, M. V., Bhatnagar, S., Drake, J. M., Murdock, C. C., & Mukherjee, S., (2022).** Socio-ecological Dynamics in Urban Systems: An Integrative Approach to Mosquito-borne Disease in Bengaluru, India. *People and Nature*, 4(3), 730-743. <https://doi.org/10.1002/pan3.10311>



George, N., & Sunny, M., (2022). Dissociable Effects of Attention and Expectation on Perceptual Sensitivity to Action-outcomes. *Consciousness and Cognition*, 103, 103374. <https://doi.org/10.1016/j.concog.2022.10337>

Ghosal, R. (2022). Proof-of-concept Studies Demonstrate that Food and Pheromonal Stimuli can be used to Induce Invasive Carp to Aggregate so they can more easily and Accurately Measured Using Environmental DNA. *Fishes*, 7(4), 176. <https://doi.org/10.3390/fishes7040176>

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Harikrishnan, S., & Mukherjee, S. (2023). A long-term Monitoring Programme to Understand the Impact of Climate Change on Terrestrial Herpetofauna of India. *Hamadryad*, 39(1), 1-11.

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Kumar, A. (2023). A Novel Class of Greenish-yellow Emitting Carbon Dots Stimulate Collective Cell Migration and 3D Uptake in Vivo. *Chemnanomat*, 9(5), 1-3. <https://doi.org/10.1002/cnma.202200572>

Kumar, A. (2023). Tissue-derived Primary Cell Type Dictates the Endocytic Uptake Route of Carbon Quantum Dots and in Vivo Uptake. *ACS Applied Biomaterials*, 6(4), 1629-1638. <https://doi.org/10.1021/acsabm.3c00072>

Mahadevia, D. (2022). Developing National Urban Policies: Ways Forward to Green and Smart Cities. *The Indian Journal of Labour Economics*, 65(1), 571-573. <https://doi.org/10.1007/s41027-022-00373-x>

Mahadevia, D., Adhvaryu, B., Datt, M., & Killiyath, S. (2022). Spatiality of COVID-19 Infections in Ahmedabad: An Early Period Analysis. *Urban India*, 42(1), 1-21.

Mahadevia, D., Mukhopadhyay, C., Lathia S., & Gaunder, K. (2023). The Role of Urban Transport in Delivering Sustainable Development Goal 11: Learning from Two Indian Cities. *Social Science Research Network*, 1(1), 1-29. <https://dx.doi.org/10.2139/ssrn.4330203>

Mahadevia, D., Pathak, M., Lathia, S., Mukhopadhyay, C., & Rawal, S. (2023). Sustainable and Inclusive Low-Carbon Transport Scenarios for Surat City, India. *Transportation Research Part D: Transport and Environment*, 1(1), 1-32. <http://dx.doi.org/10.2139/ssrn.4367977>

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**Conference Proceedings**

Singh, P., Abdullah, B., Vaishya, A., Prasad, P., & Rastogi, S. (2022). Identification of Aerosol Types Over the Central Indo-Gangetic Plain Using Multi-satellite Observations. *IEEE 2022 URSI Regional Conference on Radio Science (USRI-RCRS)*, IIT Indore, India, December 1-4. 1-4.

**Conference Presentations**

Amir, S. (2022). From Method To Concept: Vestigiality as an Intercessor in the Anthropology of Islam. *17<sup>th</sup> European Association of Social Anthropologists Conference*, Belfast, UK, July 26-29.

Amir, S. (2022). Origins of the Muslim Barbers of Malabar: Recovering Past through the Field. *Olive Literary Festival*, Calicut, India, November 30-December 5.

Amir, S. (2022). The Muslim Midwife as Mediator: Rethinking Premodern Gender Relations in Malabar. *Olive Literary Festival*, Calicut, India, November 30-December 5.

Amir, S. (2023). Caste Between Religion and Modernity: Muslims in Contemporary India. Majoritarianism, Caste Politics and Minoritisation, Swedish South Asian Studies Network (SASNET), Lund, Sweden, May 30-31.



**Bagchi, S. (2022).** Like a River Flows: Role of Myth and Memory in Mobilizing a Community's Collective Identity. *Annual South Asia Conference*, Virtual, October 19-22.

**Biswas, U. (2022).** Gender and Health Equity in India. *International Conference on Emerging Issues and Challenges in Global Mental Health and Public Health for the 21<sup>st</sup> Century*, Bhubaneshwar, India, November 28-30.

**Biswas, U. (2022).** Health Equity/ Human Rights. *80<sup>th</sup> Annual Conference of the International Council of Psychologists (ICP 2022)*, Virtual, December 10.

**Biswas, U. (2022).** Navigating Pandemic: Analyzing Everyday Experiences of the Female Indian Aspirants and Female Immigrants to Canada. *19<sup>th</sup> Annual IMISCOE Conference*, Oslo, Norway, June 30.

**Biswas, U. (2023).** Building a Resilient and Responsible World: Emerging Trends in India. *32<sup>nd</sup> Annual Convention of the National Academy of Psychology (NAOP)*, Ahmedabad University, Ahmedabad, India, March 3-5.

**Biswas, U. (2023).** Research Problem, Hypotheses, Variables, Sampling, Quantitative, Qualitative and Mixed Method Research Design and Analysis, Scientific Writing. *National Workshop on Research Methodology for Social Sciences*, Gujarat University, Ahmedabad, India, January 27-28.

**Chacko, M. (2023).** "It Was The Dress That Was A Problem For Me": Muslim Cadets' Negotiation Of A Secular Uniform In Kerala, India. *5<sup>th</sup> World Conference on Social Sciences*, Berlin, Germany, December 8-10.

**Dalpatraj, N., & Thakur, N. (2022).** Hesperetin Modulates TGFβ Induced Metastatic Potential of Prostate Cancer Cells by Altering Histone Methylation Marks. *44<sup>th</sup> All India Cell Biology Conference and International Symposium on Molecular & Cellular Insights of Human Diseases*, University of Kashmir, Kashmir, India, September 2-3.

**Dalpatraj, N., & Thakur, N. (2023).** Combination Treatment of a Phytochemical and a Histone Demethylase Inhibitor- A Novel Approach towards Targeting TGFβ-Induced EMT, Invasion, and Migration in Prostate Cancer. *Genomics India Conference-2023*, NIMHANS Convention Centre, Bengaluru, India, February 2-4.

**Das, S. (2022).** Roads, Futures, and Environmental Precarity in the Eastern Himalayas. *Himalayan Studies Conference*, Toronto, Canada, October 13-16.

**Das, S. (2023).** Moving Earth, Earthmovers and Perceptions of Environmental Vulnerability the Indian Himalayas. *Shifty Muds Land, Water and Life in a Patchy Anthropocene*, Institute for Advanced Studies, Bucharest, Romania, June 8-10.

**Das, S. (2023).** Reassembling Diversity: Environmentalism, Markets, and Recognition Politics in the Himalayas. *Writing the Perfect Book Proposal Workshop*, Virtual, January 13-14.

**Deo, A. (2023).** Virtual yet Located: Teaching Music and Sound Studies in a Liberal Education University in India. *The Global Online Chapter of the Society for Ethnomusicology (GOCSEM)*, Virtual, May 8.

**Garg, D., & Rajpurohit, S. (2022).** Wing-spot and Good Gene Hypothesis: It's Not That Simple. *European Society for Evolutionary Biology ESEB 2022*, Prague Congress Centre, Prague, Czech Republic, August 14-19.

**Goswami, G. (2022).** Light Scalars At The Interface Of Fundamental Physics And Cosmology, *Gravity & Black Hole Meeting*, IIT Gandhinagar, Gandhinagar, India, November 9-11.

**Goswami, G. (2022).** Ultra Light Scalar Field Dark Matter Self-Interactions. 32<sup>nd</sup> meeting of Indian Association for General Relativity and Gravitation, Indian Institute of Science Education and Research, Kolkata, India, December 19-21.

**Hatch, C. (2022).** Kant's Argument for Rational Faith in God. *3<sup>rd</sup> World*

*Conference on Logic and Religion*, Varanasi, India, November 4-8.

**Hatch, C. (2022).** The Rousseauvian Argument for the Universal Principle of Right. Right and Virtue: Kant and Early Modern German Philosophy, Oslo, Norway, August 2-4.

**Jana, K. (2022).** Scoring Of Quantiles At Extreme Tails. *International Indian Statistical Association Annual Conference-2023*. IISc, Bangalore, India, December 26-30.

**Jana, K. (2023).** New Statistical Methodologies and Best Practices in Statistical Analysis and Designs. *National Conference on Statistical Techniques and Practices for Applied Statisticians and Data Scientists*, Ernakulam, Kochi, India, February 2-3.

**Jhavar, J. (2023).** Inferring Individual-Level Behaviours In Animal Collectives. *The 4<sup>th</sup> Conference of the Indian Society of Evolutionary Biologists - Revolutionising Darwinian Synthesis: Fresh Perspectives and Future Challenges*, Ahmedabad University, Ahmedabad, India, February 9-11.

**Khatri, C., Nanavati, A., & Omi K. (2023).** US Presidential Policy Decision Directives, 1961 - 2022. *Proceedings of the Midwest Political Science Association (MPSA)*, Chicago, USA, April 13-16.

**Kumar, A. (2023).** Reprogramming MI to M2 Phenotype to Alleviate Inflammation: A Novel Approach Using Liposomal Formulations to Control Macrophage Functionality. *International Conference on Formulations in Food and Healthcare 2023*, Virtual, May 30-June 1.

**Mahadevia, D. (2022).** Decarbonising Urban Public Transport. *8<sup>th</sup> Urban Policy Dialogues (UPD) 2022: Pathways Towards Future-ready Indian Cities*, Bengaluru, India, November 29-30.

**Mahadevia, D. (2022).** Heritage in the Post-COVID-19 World. *The 4<sup>th</sup> Conference on Heritage Management Education and Practice*, Ahmedabad University, Ahmedabad, India, December 2-4.

**Mahadevia, D. (2022).** Sustainable Urban Areas. *Dinesh Mohan Memorial Symposium*, IIT Delhi, New Delhi, India, September 8-9.

**Mahadevia, D. (2022).** Sustainable Urban Transport- Findings from the Project. *Sustainable Urban Transport – Way Forward in India*, Ahmedabad University, Ahmedabad, India, September 14.

**Mahadevia, D. (2023).** Humane, Circular and Electric: The Future of Green Mobility. *A New Climate Busan*, The New York Times, Busan, South Korea, May 25-26.

**Mahadevia, D. (2023).** The Pandemic and Urban Governance: Insights from a Comparative Study. *The Pandemic and Urban Governance: Changing State-Society Relationships and Learning from COVID-19*, Ahmedabad University, Ahmedabad, India, April 19-20.

**Mahadevia, D. (2023).** Urban Planning Education for Sustainable Development. *7<sup>th</sup> National Town & Country Planning Conference*, Bhubaneshwar, Odisha, India, February 24-26.

**Mahadevia, D., & Sharma, R. (2022).** A New Urban Marginality. *Workshop on Remaking Cities & Margins through Peripheral Resettlement*, Madras Institute of Development Studies, Tata Institute of Social Sciences Mumbai and Hyderabad Urban Lab, Virtual, September 9-10.

**Mallick, S., & Ghosal, R. (2023).** Assessing the Effect of Amazonian Catfish (Pterygoplichthys sp.) on the Growth of the Indian Major Carps: A Mesocosm-based Study. *4<sup>th</sup> International Congress on Biological Invasions (ICBI2023)*, Virtual, May 1-5.

**Malvi, B., Chaudhary, R., & Kumar, A. (2023).** Isotopically Labeled 65CuO Nanoparticles as Tracers in PMMA Bone Cement for Failure Detection. *7<sup>th</sup> International Symposium Frontiers in Polymer Science*, Gothenburg, Sweden, May 29-June 1.

**Mathew, L. (2022).** Designing Mobility. *Educational Mobility in Asia*. Ahmedabad University, Ahmedabad, India, June 23-24.

**Mathew, L. (2022).** From Person to Patient: Medicalizing the Body. *Body Worlds: Feminist Conversations and Disagreements*, IIT Mumbai, India, September 10-11.

**Mathew, L. (2022).** Practical Feminisms and Mobile Masculinities in Western India. *American Anthropological Association Annual Meeting*, Virtual, November 9-13.

**Mathew, L. (2023).** Between Immorality and Precarity: Viability and Masculinity in Western India. *American Association of Geographers Annual Conference*, Virtual, March 23-27.

**Mathew, L. (2023).** Gendering Fun: Hostels, Labs, and the City. *Comparative and International Education Society Annual Conference*, Virtual, February 14-22.

**Mayekar, H., & Rajpurohit S. (2022).** Multifaceted Insect Cuticle: Different Stages-different Patterns. *European Society for Evolutionary Biology ESEB 2022*, Prague Congress Centre, Prague, Czech Republic, August 14-19.

**Mayekar, H., & Rajpurohit, S. (2023).** Multidimensional Insect Cuticle: A Juvenile Perspective. *The 4<sup>th</sup> Conference of the Indian Society of Evolutionary Biologists- Revolutionising Darwinian Synthesis: Fresh Perspectives and Future Challenges*, Ahmedabad University, Ahmedabad, India, February 9-11.

**Mazumdar, E. (2022).** An Introduction to Zero-sum Problems. *Indian Women and Mathematics*, IISER Pune, Pune, India, December 27-29.

**Mazumdar, E. (2022).** Zero Sums In Restricted Sequences Over Finite Groups. *Groups St. Andrews 2022*. Newcastle University, UK, July 30-August 7.

**Mehta, M. (2022).** Navigating Urban Precarity: Caste Stickers As Signposts of Mobility And Assertion. *American Anthropological Association*, Virtual, November 10.

**Mohammadian, M. (2022).** An Armstrongian Defense of Dispositional Monist Accounts of Laws. *4<sup>th</sup> International Conference of the German Society for Philosophy of Science*, Technische Universität Berlin, Berlin, Germany, August 15-17.

**Mohammadian, M. (2023).** Theoretical Virtue in Science and Metaphysics: A Proposal for Naturalized Metaphysics. *Naturalism in Philosophy*, Sofia University, Sofia, Bulgaria, May 19-21.

**Naik, A., & Thakur, N. (2022).** Global Histone H3 Lysine 4 Trimethylation (H3K4me3) Landscape Changes in Response to TGFβ *5<sup>th</sup> Edition of International Cancer Conference*, Virtual, September 16-17.

**Naik, A., & Thakur, N. (2023).** TGFβ Stimulation-induced H3K9me3 Changes Direct Functional Category-specific Gene Regulation in Prostate Cancer Cells. All India Cell Biology Conference & International Symposium on Biology of Development and Disease, Institute of Science, Banaras Hindu University, Varanasi, India, January 20-22.

**Naik, A., & Thakur, N. (2023).** TGFβ Stimulation-induced H3K9me3 Changes Direct Functional Category-specific Gene Regulation in Prostate Cancer Cells. *42<sup>nd</sup> Annual Conference of the Indian Association for Cancer Research*, ACTREC-TMC, Kharghar, Mumbai, India, January 14-16.

**Nair, A., & Rajpurohit, S. (2023).** Altitudinal Differences in Cuticular Hydrocarbons in Drosophila. *The 4<sup>th</sup> Conference of the Indian Society of Evolutionary Biologists- Revolutionising Darwinian Synthesis: Fresh Perspectives and Future Challenges*, Ahmedabad University, Ahmedabad, India, February 9-11.

**Nair, A., & Rajpurohit, S. (2023).** Molecules Matter: Fascinating World of Insect Hydrocarbons. *International Conference on Frontiers at the Chemistry-Allied Sciences Interface (FCASI- 2023)*, Rajasthan University, Jaipur, India, April 20-21.



**Nasra, S., & Kumar, A. (2022).** Formulation of a Novel Nanoconstruct for Combination Therapy of Methotrexate and REL-A siRNA in Folate Targeting Liposomes for Rheumatoid Arthritis. *49<sup>th</sup> Annual Conference of Indian Immunology Society (IMMUNOCON-2022)*. PGIMER, Chandigarh, India, November 23-26.

**Omi, K. (2023).** How to Navigate Undergraduate Students in Statistics and R Programming? Use Duplication/Replication Pedagogy: A Case in India. *International Studies Association (ISA)*, Montreal, Canada, March 15-18.

**Omi, K. (2023).** Taking Mears More Seriously. *International Studies Association (ISA)*, Montreal, Canada, March 15-18.

**Pathak, B. (2023).** Effect of Gypsum Supplementation on the Soil Microflora during Peanut Maturation. *Young Investigators Meet*, Ahmedabad University and IIT Gandhinagar, India, February 13-17.

**Ratnam, R. (2023).** Perception And The Cocktail Party Problem: Insights From The Neurobiology Of Hearing. *32<sup>nd</sup> Annual Convention of the National Academy of Psychology (NAOP)*, Ahmedabad University, Ahmedabad, India, March 3-5.

**Sarwate, R. (2023).** Gandhi, Ambedkar and Modernity. A National Symposium on Gandhi, Ambedkar and Beyond, Indian Institute of Science Education and Research Pune, Pune, India, April 8.

**Sarwate, R. (2023).** Hindu Body-Politic and its Margin: Hindutva and the Discourses of Untouchability. 20th International Conference on Maharashtra, Savitribai Phule Pune University, Pune, India, January 9-11.

**Saxena, S. (2023).** A White Horse Is Running: Debating a Philosophical Argument in Mimāṃsā. The 18<sup>th</sup> World Sanskrit Conference, Canberra, Australia, January 9-13.

**Shukla, R. (2022).** Role of Nanomaterials in Forensic Science: Current and Future. *European Assembly of Advanced Materials Congress*, Virtual, August 28-31.

**Singh, P., Abdullah, B., Vaishya, A., Prasad, P., & Rastogi, S. (2022).** Identification Of Aerosol Types Over The Central Indo-Gangetic Plain Using Multi-Satellite Observations. *URSI Regional Conference on Radio Science 2022*, IIT Indore, Indore, India, December 1-4.

**Vajpayee, K., Desai, P., Dash, H., Parekh, P., Sitwala, H., Suri, K., & Shukla, R. (2023).** A Novel Method For Blood Detection Using Fluorescent Dye. *National Conference on Recent Trends and Advancements in Forensic Science*, Punjabi University, Patiala, India, March 16-18.

**Invited Lectures**

**Amir, S.** Representations in Indian Cinema. National Institute of Design, Ahmedabad, April 11-13, 2023.

**Bagchi, S.** Political Mobilisation and Claim Making Through Myth and Memory: The Case of the Nishad in North India. Institute for Social Science Research, Ujjain, July 28-29, 2022.

**Biswas, U.** Breaking the Silence: The Complexities of Suicide and How to Address Them. Khordha Women's College, Khordha, Odisha, March 29, 2023.

**Biswas, U.** Gender and Health Equity. Rajasthan University, Jaipur, January 4-17, 2023.

**Biswas, U.** Gender and Health Equity. Kazi Nazrul University, Asansol, January 10, 2023.

**Das, S.** Mobile Land, Immobile People in the Precarities, Inequalities, and Labour (Im)mobilities. Futures of Mobility Cluster Symposium, Virtual, April 21, 2023.

**Dutta, M.** Rethinking Women's Rights to Property in Hindu Legal Traditions. Ahmedabad University and Denison University, September 21, 2022.

**Ghosal, R.** My Journey with Elephants, Fish and Crocodiles: A Primer of Field Ecology. The Maharaja Sayajirao University of Baroda, Vadodara, October 10, 2022.

**Ghosal, R.** Understanding Interactions through Different Lenses for the Fish and the Crocodile Systems. The 4<sup>th</sup> Conference of the Indian Society of Evolutionary Biologists- Revolutionising Darwinian Synthesis: Fresh Perspectives and Future Challenges, Ahmedabad University, February 9-11, 2023.

**Ghosh, S.** Resonant Positron Beam Interactions with Molecules. BARC, Mumbai, December 16, 2022.

**Hatch, C.** Kant's Antinomy of Practical Reason: A Defense. Brigham Young University, Utah, USA, January 27, 2023.

**Hatch, C.** The General Will. Brigham Young University, Utah, USA, January 26, 2023.

**Jha, M.** The Ganga and the Confluence of Culture, Art and Economy in Mughal India: Patna as a Case Study. Khudabaksh Oriental Public Library, Patna, May 25, 2023.

**Jhavar, J.** Machine learning and AI-based Approaches to Understand Ecology, Animal Behaviours and Group Dynamics. The Maharaja Sayajirao University of Baroda, Vadodara, March 6, 2023.

**Kumar, A.** Development of Novel Nanoconstruct for Targeted and Effective Treatment of Breast Cancer. Atmiya University, Rajkot, April 27, 2023.

**Kumar, A.** Formulation of a Nano-construct for Targeted Therapy of Macrophages Involved in Rheumatoid Arthritis. University of Newcastle, Callaghan, Australia, June 28, 2022.

**Mahadevia, D. (2022).** Education in Gujarat: Some Challenges in the Context of SDG 4. Consultation on Sustainable Development Goal 4 Quality Education, Konrad Adenauer Stiftung, Indian Society for Community Education, and Yuvak Vikas Trust, Gujarat Vidhyapith, Ahmedabad, August 5-6, 2022.

**Mahadevia, D. (2022).** Gendering Urban Planning. Workshop on She Rises: A Framework for Caring Cities, Virtual, organised by SafetyPin, New Delhi, December 22, 2022.

**Mahadevia, D. (2022).** Urban Housing Shortage Explained. Urban India's Affordable Housing Challenge, Virtual, organised by Indian Council for Research on International Economic Relations (ICRIER), September 29, 2022.

**Mahadevia, D. (2023).** Planning for Women in Cities. Institute of Town Planners, Maharashtra Regional Chapter, Nagpur, Virtual, March 12, 2023.

**Mahadevia, D. (2022).** Housing as Resilience. Online Training Programme on Disaster Resilient Housing and Built Environment: Imperatives for Better Policy, Planning and Sustainable Cities, Impact And Policy Research Institute (IMPRI), Virtual, December 15, 2022.

**Mahadevia, D. (2023).** Relocation and Resettlement in Urban Areas. Workshop on Capacity Building for Resettlement and Rehabilitation of Project Displaced People, Council for Social Development, Delhi, Virtual, February 28, 2023.

**Mahadevia, D. (2023).** Urban Planning Conundrum or Its Epitaph. Cityscapes Lecture Series 8: Urban Planning in the Cities of Global South: Problems and Prospects, Tata Institute of Social Sciences, Hyderabad, Virtual, January 30, 2023.

**Mathew, L.** Book Talk: English Linguistic Imperialism From Below. Ahmedabad University, Ahmedabad, August 12, 2022.

**Mathew, L.** Book Talk: English Linguistic Imperialism From Below. Camp Anthropology, Virtual, July 20, 2022.

**Mathew, L.** Book Talk: English Linguistic Imperialism From Below. Comparative and International Education Society Book Launch. Virtual, February 14, 2022.

**Mathew, L.** Book Talk: English Linguistic Imperialism From Below. Critical Childhoods and Youth Studies Collective. Virtual, September 14, 2022.

**Mathew, L.** Book Talk: English Linguistic Imperialism From Below. Tata Institute of Social Sciences. Hyderabad, September 22, 2022.

**Mathew, L.** Refusing Freedom, Happiness, and Gayness. Ahmedabad University and Denison University,, September 21, 2022.

**Mazumdar, E.** An Introduction to Zero-sum Problems, An Early Stage Mathematician at Indian Women and Mathematics. Annual Conference 2022, IISER Pune, December 27-29, 2022.

**Mazumdar, E.** Davenport Constant for Finite Abelian and Nonabelian Groups. GANIT Seminar, IIT Gandhinagar, Gujarat, February 27, 2023.

**Mazumdar, E.** Davenport Constant for Finite Groups and its Application. QED Seminar, Presidency University, Kolkata, June 19, 2023.

**Mazumdar, E.** Zero-sum for Finite Groups. NIT Srinagar, Srinagar, May 11, 2023.

**Mehta, M.** Skill Development in Precarious Times: Marginality and Youth Social Mobility. NIEPA-NITI Aayog, New Delhi, March 22-23, 2023.

**Mohammadian, M.** Peirce Disappears: (Non-)Reception of Peirce as a Philosopher of Science. Institute Vienna Circle, University of Vienna, Vienna, April 27, 2023.

**Mohammadian, M.** Theoretical Virtues and the Epistemic Aims of Science: A Unified Approach. Institute Vienna Circle and Institute for Quantum Optics and Quantum Information, University of Vienna, June 2, 2023.

**Pandit, S.** Yoga and Transformation of Memory. Auroville Foundation, Pondicherry, February 14-15, 2023.

**Rajpurohit, S.** Dealing with Drought: Connecting Dots from Behaviour to Pathways. SEB Centenary Conference 2023, EICC, Edinburgh, UK. July 7, 2023.

**Rajpurohit, S.** CuticularHydrocarbons under Different Environments. IISER Thiruvananthapuram, March 18, 2023.

**Rajpurohit, S.** Water Balance in Insects: Phenotypes to Genotype. Ahmedabad University, Ahmedabad, July 1, 2022.

**Ramnath, A.** A Brief History of Industrial Research and Innovation. Ahmedabad University, Ahmedabad, August 30, 2022.

**Ramnath, A.** Science, Technology and Society: Some insights from History. Asian College of Journalism, Chennai, February 17, 2023.

**Ratnam, M.** Fluid Lands: Possession and Property in the Forest Fringes. IIT Gandhinagar, Gandhinagar, March 27, 2023.

**Roychoudhuri, R.** Aesthetic of Light and Time: An Intellectual History of Pictorialism in India. 60th Anniversary Conference of the American Institute of Indian Studies, American Institute of Indian Studies, New Delhi, December 22-23, 2023.

**Roychoudhuri, R.** Bearing Witness to Mid-Twentieth Century Hunger in India. The British Empire, Scotland, and Indian Famines: Writings on Food Crisis in Colonial India, Virtual, January 07-08, 2023.

**Roychoudhuri, R.** History in the Periphery: Photographs from India. National Institute of Design, Gandhinagar, March 24-25, 2023.

**Roychoudhuri, R.** Lensing India's Modernization. Ashoka University, Sonapat, April 17, 2023.

**Sarwate, R.** Ideas, Text, and Translation: Sharad Patil's Marxism Phule-Ambedkarism. IIT Mandi, Virtual, October 27, 2022.

**Saxena, S.** Ethics and Epics. Panel Discussion: History Literature Festival, Ahmedabad University, March 18-19, 2023.

**Saxena, S.** What is Philosophy? An Indian Answer. Rotary Club of Bombay West, Mumbai, March 1, 2023.

**Shukla, A.** Tiling Proofs of Some Celebrated Q-series Identities. Combinatorial Number Theory And Connected Topics II Conference, Virtual, February 4-5, 2023.

**Swamy, K.** Aneuploidy is a Proteotoxic Stress Tolerating Mutation in Yeast Hybrids. IGIB Delhi, May 22-25, 2023.



**Swamy, K.** Multi-chromosomal Aneuploidy can Overcome Proteotoxic Stress. IISER Mohali, March 10-13, 2023.

**Swamy, K.** Protein Complexes Form a Basis for Complex Hybrid Incompatibility. Ahmedabad University, Ahmedabad, February 11-13, 2023.

**Tanavde, V.** Laboratory: Identification of Extracellular Vesicles by Flow Cytometry. 24<sup>th</sup> Indo-US Cytometry Workshop, IIT Gandhinagar, February 1-7, 2023.

**Reports**

**Jhawar, J., Guttal, V., & Thutupalli, S. (2023).** *Inferring Interactions In Milling Whirligig Beetles Swarms.* Max Planck Institute of Animal Behaviour, Konstanz, Germany.

**Jhawar, J., Davidson, J., Couzin, I., & Smith, M. (2023).** *Individual to Colony-level Response to Heat Stress Revealed by Individual Tracking Inside a Honey Bee Colony.* Max Planck Institute of Animal Behaviour, Konstanz, Germany.

**Lathia, S., Gounder, K., Mahadevia, D., & Mukhopadhyay, C. (2023).** *Towards Sustainable Low Carbon Transport in Udaipur.* Ahmedabad University, Ahmedabad, India.

**Mahadevia, D., Lathia, S., & Mukhopadhyay, C. (2023).** *Sustainable Mobility in a Low-Carbon Future-Udaipur.* Department of BioTechnology, Ahmedabad University, Ahmedabad, India.

**Mahadevia, D., Pathak, M., Lathia, S., Mukhopadhyay, C., & Rawal, S. (2023).** *Sustainable Mobility in a Low-Carbon Future-Surat.* Department of BioTechnology, Ahmedabad University, Ahmedabad, India.

**Mahadevia, D., Lathia, S., & Gounder, K. (2023).** *Gender-Sensitive Low-Carbon Transport.* Department of BioTechnology, Ahmedabad University, Ahmedabad, India.

**Mahadevia, D., Lathia, S., & Gounder, K. (2023).** *Active Transport: Key to Enabling SDG-Enabled Low-Carbon Transport in India.* Department

of BioTechnology, Ahmedabad University, Ahmedabad, India.

**Mahadevia, D., Lathia, S., & Dubey, A. (2023).** *Public Transport Access during Extreme Weather Events in Urban India.* Department of BioTechnology, Ahmedabad University, Ahmedabad, India.

**Mehta, M. (2023).** *Skill Development in Precarious Times: Marginality and Youth Social Mobility.* NIEPA-NITI Ayog, New Delhi, India.

**Pande A. (2023).** *A Topological Model for AdS/CFT.* Ahmedabad University, Ahmedabad, India.

**Yadav, N., Sharma, K., Sen, Gupta S., & Singh, S. (2023).** *Triethyl Phosphine Decorated Cerium Oxide Nanoparticles Exhibit Selective Killing of the Unicellular Protozoanparasite Leishmania Donovanii.* 3 Biotech, Ahmedabad University, Ahmedabad, India.

**Research Working Papers**

**Agarwal, K., Pathak, M., Jana, K., Unni, J., Shukla, P. R.** Just Transition towards Coal Phase Down: Vulnerability Analysis of Coal Districts. WP-SAS-MPS-2023-06, Ahmedabad University.

**Dalpatraj, N., Naik, A., & Thakur, N.** Comparative Analysis of the Occupancy Of Histone H3 Lysine 4 Methylation in the Cells Treated with Tgf B and Interferon? WP-SAS-BLS-2023-01, Ahmedabad University.

**Danielson, J., Ghosh, S., Arthur-Baidoo, E., Witterman, D., & Surko, C.** Positron Binding to Alkane Molecules. WP-SAS-MPS-2023-01, Ahmedabad University and University of California San Diego.

**Dave, B., & Goswami, G.** Self-interactions of ULDM to the Rescue? WP-SAS-MPS-2023-02, Cornell University and Ahmedabad University.

**Eliahou, S., & Mazumdar, E.** Optimal Bounds on the Growth of Iterated Sumsets in Abelian Semigroups. WP-SAS-MPS-2022-01, Ahmedabad University.

**Godara, N., Joshi, R., & Mazumdar, E.** On a Conjecture Related to the Davenport Constant. WP-SAS-MPS-2023-04, Ahmedabad University.

**Jana, K., & Deb, S.** Nonparametric Quantile Regression for Time Series with Replicated Observations and its Application to Climate Data. WP-SAS-MPS-2022-02, Ahmedabad University.

**Jana, K., Bhuyan, P., & McCoy, M.** Causal Inference at Extreme Tails with Application to London Traffic Flow Data. WP-SAS-MPS-2023-07, Ahmedabad University.

**Kalaria, K., Mayekar, H., Patel, D., & Rajpurohit, S.** Dynamic Bayesian Modeling of the Social Behavior of Drosophila Melanogaster. WP-SAS-BLS-2023-02, Ahmedabad University.

**Mazumdar, E., & Roy, A.** Product of Polynomial Values Being Large Power. WP-SAS-MPS-2023-05, Ahmedabad University.

**Mukherji, S., & Patel, D.** Modelling Cargo Transport in Crowded Environments: Effect of Motor Association to Cargos. WP-SAS-MPS-2023-03, Ahmedabad University.

**Pande, A.** Higher Topological T-duality Functors. WP-SAS-MPS-2023-09, Ahmedabad University.

**Pande, A.** Topological T-duality for Bundles of Strongly Self-Absorbing C\*-algebras and Physical Applications. WP-SAS-MPS-2023-08, Ahmedabad University.

**Rajpurohit, S., Solanki, P., Mayekar, H., Arya, H., Aradhiya, R., Suravajhala, P., & Loeschcke, V.** Tropical High-Altitude Insects Show Limited Capacity To Handle High Temperatures. WP-SAS-BLS-2022-01, Ahmedabad University.

**Tewari, S.** Large-scale Automated Analysis of Differential Gene Expressions from the GEO Repository at NCBI. WP-SAS-MPS-2023-12, Ahmedabad University.

**Tewari, S.** Reproducing Indian History for Better Healthcare. WP-SAS-MPS-2023-14, Ahmedabad University.

**Tewari, S., & Spouge, J.** Accelerated Probability Recursion under Infinite-Sites Model of Mutation. WP-SAS-MPS-2023-11, Ahmedabad University.

**Tewari, S., & Spouge, J.** Booster Proposal for Inference in Population Genetics. WP-SAS-MPS-2023-10, Ahmedabad University.

**Tewari, S., Bhandarkar, S., & Arnold, J.** Integration of Genetic and Physical Maps for Neurospora crassa. WP-SAS-MPS-2023-13, Ahmedabad University.

**Teaching Material**

**Teaching Notes**

**Swamy, K.** Bridging Genetics between Undergraduate and Postgraduate students. CS-22-001TN, School of Arts and Sciences, Ahmedabad University.

**Swamy, K.** Bioinformatics for Biologists and Non-Biologists alike. CS-22-002TN, School of Arts and Sciences, Ahmedabad University.

**MOOC Courses**

**George, N.** PsychoPy Tutorials. <https://www.youtube.com/@nithingeorge2583>. (2022).





# School of Engineering and Applied Science

This year at the Engineering School, we have been reimagining how we can offer interesting learning programmes and engineering solutions for 21st-century workplaces. Last year, we undertook detailed exercises for revising our masters programme in Computer Science and Engineering. We continued this year to formulate the Master of Technology programmes, additionally in the domain of Composites and Electronics Engineering. We have some excellent laboratory and experimental facilities that have been augmented with internal resources and equipment donations from Consumer Education and Research Center, Ahmedabad, Ahmedabad Textile Industry's Research Association (ATIRA), and Arvind Ltd. Our faculty have been constantly collaborating with faculty from other Schools on projects related to climate change and health care. This year also witnessed the launch of a new internship programme besides the Capstone Projects and BTech Engineering Projects.

Several initiatives for developing industry connections were initiated to complement future academic activities and to expand research activities. At the School, we also believe in impacting society through our engineering solutions. We have been collaborating with industry and social organisations to offer solutions for the challenges they face. One of these is our ongoing work with the Self Employed Women's Association (SEWA) in the Rann of Kutch, using technological development to address their issues of little to no groundwater, heated-up shelters, rotting food, and footwear.

## New Faculty

### BIMAL DAS

Assistant Professor  
PhD in Mechanical Engineering, IIT Patna

### MAYURIBALA MANGRULKAR

Assistant Professor  
PhD in Material Science and Engineering, Skolkovo Institute of Science and Technology, Moscow

### ANAMIKA MAURYA

Assistant Professor  
PhD in Chemical Engineering, IIT Kanpur

## Programmes

### UNDERGRADUATE

#### Bachelor of Technology

- Major in Chemical Engineering
- Major in Computer Science and Engineering
- Major in Mechanical Engineering

### GRADUATE

#### Master of Technology

- Computer Science and Engineering with specialisation in Data Science and Analytics

### DOCTORAL

- Applied Physics
- Applied Science
- Chemical Engineering
- Computer Science and Engineering
- Mechanical Engineering

## Faculty Achievements



### Sanjay Chaudhary

Associate Dean, School of Engineering and Applied Science

Served as a Steering Committee Member of the 16th Innovations in Software Engineering Conference, IIIT Prayagraj, India, February 2023.

Served as a Steering Committee Member of the 11th International Conference on Big Data Analytics and Artificial Intelligence, IIIT Delhi, India, December 2023.

Served as Vice President of the Indian Society of Agriculture Information Technology.



### Nitin Banker

Associate Professor

Awarded the SERB International Research Experience Fellowship for research on alternatives to the use of fossil fuels in refrigeration for three months in Japan.



### Sanket Patel

Assistant Professor

Received the Chairman's Award for Experiments to Advance Active Learning for outstanding contribution during the academic year 2022.



### Keyur Joshi

Assistant Professor

Won the Best Conference Paper Award at the 28th IEEE International Conference on Mechatronics and Machine Vision in Practice held at Northeastern University, Boston, USA.



### Anamika Maurya

Assistant Professor

Served as a Session Chair for Computational Fluid Dynamics at the 10th International Conference of Fluid Flow, Heat and Mass Transfer (FFHMT 2023) held at Carleton University, Ottawa, Canada, in June 2023.



### Akhand Rai

Assistant Professor

Recognised in the World's Top 2% Scientists list for 2022 by Stanford University.



### Mehul Raval

Professor

Named IEEE Access Outstanding Associate Editor 2022

Won the Best Paper Award for joint collaboration on the study, *Survival Prediction of Malignant Brain Tumor Patients*, at the Smart Electronics System and Manufacturing and its Applications (SESMIC) International conference in Pune in December 2022.

Was on the Technical Advisory Committee for Robofest-Gujarat 3.0, Gujarat Council on Science and Technology, Government of Gujarat, in June 2023.



### Dhaval Patel

Associate Professor

Received the Best Research Paper Award at the workshop on Connected Vehicles & Autonomous Driving, 15th IEEE International Conference on COMMunication Systems & NETWORKS (COMSNETS 2023) in January 2023 at Bengaluru, India.



## Events

### Ingenium 2023

The annual technical festival of the University, Ingenium 2023, a mix of online and offline events, witnessed participation from 1300 students from across the world, including the US, Russia, Germany, Spain, Nigeria, Pakistan, Nepal, and from across India.

## Workshops

**IEEE Emerging Research Topics in Engineering (ERTE) 2022:** A two-day flagship workshop of the Institute of Electrical and Electronics Engineers (IEEE) was organised by Amit Nanavati, Professor, and Sanket Patel, Assistant Professor, on September 24-25, 2022. Mazad Zaveri, Associate Professor, served as the moderator on the ERTE panel discussion, *How to bring intelligence into the Indian Transportation System?*

**Placement in the UX/UI Industry:** The IEEE Students Branch of Ahmedabad University organised a workshop conducted by Manal Shah and Pratik Rajpara on *Starting out as a UX/UI designer (FIGMA)* as part of the Placement Series.

**Machine Learning in Web 3.0:** The IEEE Students Branch of Ahmedabad University with Professor Sanket Patel organised a workshop conducted by Kaushal Patil on *Machine Learning in Web 3.0* as part of the Placement Series.

**Fake News Detection:** Mehul Raval, Professor and Associate Dean of Experiential Learning, collaborated with academicians Minoru Kuribayashi and Mohendra Roy to organise a tutorial, *Fake News Detection and Impact Analysis*, at the Asia-Pacific Signal and Information Processing Association (APSIPA), ASC 2022, Chiang Mai, Thailand, in November 2022.

**Process Modelling and Simulation:** A two-day workshop on *Process Modelling and Simulation using Aspen Plus* was organised by Sridhar Dalai, Assistant Professor, and Dharamashi Rabari, Assistant Professor, in March 2023.

**E-Baat:** An awareness workshop, *E-Baat*, on the digital payments ecosystem and security was organised by Sanket Patel, Assistant Professor, in collaboration with the Reserve Bank of India in March 2023.

**Cyber Security:** The IEEE Students Branch of Ahmedabad University organised a workshop on cyber security conducted by cybersecurity researcher Prasan Singh in March 2023.

**MATLAB:** An introductory workshop on, *Getting Started with MATLAB*, was conducted in April 2023 by Keyur Joshi, Assistant Professor, and Anamika Maurya, Assistant Professor. The workshop had discussions as well as tutorial sessions to provide hands-on experience with programming, and introduced SIMULINK and data visualisation to the participants.

**Web 3.0:** A workshop on *Web 3.0* with AI and Blockchain entrepreneurs Tushar Khatwani and Nishant Shah under the IEEE Students Branch and the Association for Computing Machinery (ACM) of Ahmedabad University was organised by Sanket Patel, Assistant Professor, in April 2022.

**AR-Cade:** A workshop on Augmented Reality, *AR-Cade*, was organised in April 2023 by the IEEE Students Branch of Ahmedabad University and Sanket Patel, Assistant Professor, in collaboration with urCircle, an immersive AR technology company.

**Python Skills:** *An Introduction to Python* was conducted by Kuntal Patel, Assistant Professor, and Shefali Naik, Assistant Professor, in April 2023 to provide participants an understanding of the skills and knowledge necessary to work with data using Python.

**Chemical Engineering:** A workshop on *Introduction to Chemical Engineering* was organised by Aditi Singhal, Assistant Professor, in April 2023 on Thermo Fluid, Mechanical Operations, Mass Transfer Operations, and Applications of Chemistry.

**Rocketry:** Students picked up vital design skills along with a perspective on satellite prototyping at this day-long workshop, *Rocketry*, held on October 15, 2022, organised by Akhand Rai, Assistant Professor; Ujjaval Modi, Senior Laboratory Associate; and Vidit Ghelani, Teaching Assistant, in collaboration with the Vikram A Sarabhai Community Science Centre. The workshop involved understanding rocket kinetics in the backdrop of Newton's Laws of Motion, the structural aerodynamics of rockets, and rocket fluid mechanics.

## Student Achievements



**Krina Khakharia**  
*Bachelor of Technology in Computer Science and Engineering*

Attended the International Leadership Summit at Hyderabad in August 2022. Krina is the Chair of the IEEE Women in Engineering Affinity Group of Ahmedabad University.



**Manav Vakil**  
*Bachelor of Technology in Chemical Engineering*

Secured the 2nd position in the Student Technical Paper Competition at ChEnigma-India Student Regional Conference 2022 organised by VIT AlChE Chapter at Vellore Institute of Technology, Vellore, in December 2022. His paper was titled, *Comparison-Based Analysis of Epoxy Resin by Introducing Core-Shell Rubber*.



**Arunima Singh**  
*Doctoral Student*



**Swapnil Shastri**  
*Bachelor of Technology in Chemical Engineering*

Received the Best Paper Award at the 2nd International Conference on Advances in Water Treatment and Management, PDEU, Gandhinagar. Their paper was titled, *Regression-Based Analysis of a Fe Catalyzed Ozone-Based Process for Degradation of Pharmaceuticals*.



**Poojan Gandhi**



**Rohan Parikh**



**Nipun Patel**

Qualified for the regional rounds in the Asia West International Collegiate Programming Contest (ICPC 2022) held at Amritapuri, Kerala, in April 2023 as Team GigaByteMe, under the mentorship of Professor Shefali Naik.

*Students of Bachelor of Technology in Computer in Science and Engineering*



**Manan Anjaria**



**Vedanshee Trivedi**



**Anar Bhagat**



**Kanad Patel**



**Yashveer Yadav**

*Students of Bachelor of Technology in Mechanical Engineering*

Qualified for Round Two of the Robofest-Gujarat 3.0 competition in the Autonomous Rover Robot category in May 2023 in Gandhinagar. They were mentored by Professor Maryam Kaveshgar.



**Manan Anjaria**



**Vedanshee Trivedi**



**Aatman Vaidya**

*Students of Bachelor of Technology in Mechanical Engineering*

Participated in the Bosch Future Mobility Challenge held in Romania, and were the only team from India to be shortlisted for the semi-finals. They were mentored by Professor Maryam Kaveshgar.





**Srishti Sharma**  
Doctoral Candidate

Awarded the SHODH research scholarship by Government of Gujarat for her ongoing research on modelling and predicting athletic game performance and injury risk under the mentorship of Professor Mehul Raval.



**Mansi Sonaiya**  
Doctoral Candidate

Awarded the Scheme Of Developing High-Quality Research (SHODH) Scholarship from the Education Department, Government of Gujarat, for research on solar cells under the mentorship of Professor Akhand Rai.



**Devanshee Kansara**  
Bachelor of Technology in Computer in Science and Engineering

Selected for the Women Engineers Programme offered by Talentsprint and Google.



**Kavan Desai**  
Bachelor of Technology in Computer in Science and Engineering

Selected for Google Summer of Code at Dart.



**Kavan Desai**  
Students of Bachelor of Technology in Computer in Science and Engineering



**Priyanshu Pathak**



**Kishan Akbari**

Represented Ahmedabad University in the Asia West International Collegiate Programming Contest (ICPC 2022) Mathura-Kanpur regionals as Team MegaByteMe, under the mentorship of Professor Shefali Naik.



**Rajshree Liya**  
Doctoral Candidate

Awarded the SHODH research scholarship by the Government of Gujarat for her research on heterogeneous catalysis under the mentorship of Professor Aditi Singhal.



## Industrial Visits

FACILITY	DETAILS
Vikram Sarabhai Space Exhibition Center (VSSE), SAC, ISRO, Ahmedabad	Over 55 students and Professors Shefali Naik and Shuja Ahmed were part of this visit organised by the IEEE Students Branch of Ahmedabad University and Professor Sanket Patel in October 2022. Experts briefed our students about ISRO's Gaganyaan mission and informed them about potential job and internship opportunities.
Bangalore-based companies: Continental Automotive Components (India) Pvt Ltd, Nvidia Graphics India Pvt Ltd, Intel India, and Oracle India	Professors Mazad Zaveri, Mehul Raval, Pratik Trivedi, Sanjay Chaudhary, and Srikrishnan Divakaran visited these Bangalore-based companies in October 2022 to explore collaboration possibilities.
TCS Gandhinagar	Professors Mazad Zaveri, Mehul Raval, and Maryam Kaveshgar organised a visit to TCS Gandhinagar for interaction and discussions with TCS members working in the Intelligent Transportation Systems-ADAS domain in November 2022.
Continental AG, Bangalore	Professors Sanket Patel and Amit Nanavati were invited to visit Continental AG, Bangalore, at the inauguration of the Continental Technical Center India Campus in November 2022. They interacted with leading management professionals and experts from the industry, and gained exposure to the latest technological advancements in the field.
Deepak Nitrite, Vadodara	A field visit to Deepak Nitrite, Vadodara, was organised for the students of BTech majoring in Chemical Engineering by Professors Harshad Shah and Arijit Ganguli in March 2023.
Nirmal Polyplast Private Limited, Ahmedabad	Students visited Nirmal Polyplast Private Limited, Ahmedabad, in March 2023 with Professor Akhand Rai. They learnt how the fundamentals of CAD/CAM were applicable to product manufacturing. They were also introduced to automation in industrial operations.
Dholera Industrial Smart City	In April 2023, Professors Adarsh Ganesan, Anurag Lakhlani, Keyur Joshi, Mazad Zaveri, and Sanket Patel visited Dholera Industrial Smart City under development for the ESDM sector, funded by India Energy Storage Alliance and eInfochips.
Indian Inovatix Ltd, GIDC, Dantali	Professor Kuntal Patel visited Indian Inovatix to explore possibilities of summer internships and industry research projects for students.
SEWA workers, Little Rann of Kutch	Professors Sanket Patel, Nitin Banker, and Sunil Kale visited Little Rann of Kutch multiple times to address the challenges of salt pan workers and provide them with low-cost easy-to-use technology solutions.





## Guest Lectures

**Sakshi Malhotra**, Technical Program Manager, AWS India, New Delhi. *Introduction to AWS DeepRacer Student League India*. July 8, 2022.

**Shankar Prakriya**, Professor G. K. Chandiramani Chair Professor, IIT Delhi, New Delhi. *Energy and Spectrally Efficient Signaling for Beyond 5G and 6G Communication*. July 25, 2022.

**Mahesh Maradiya**, Managing Director, Aura Environmental Services Private Limited, Ahmedabad. *Ambient Air and Stack Gas Sampling and Analysis*. August 31, 2022.

**Gaurav Somani**, Assistant Professor, Central University, Ajmer. *Virtualization*. September 1, 2022.

**Parth Gupta**, Applied Science Manager, Amazon Search, San Francisco, USA. *Ranking Products in e-Commerce Search and Handling Cold-Start*. September 8, 2022.

**Dhanukumar Pattanashetti**, IEEE Client Services Manager, IEEE India Operations Center, Bengaluru. *Authoring Quality Technical Papers for IEEE*. November 3, 2022.

**Sunil Dhole**, Founder and Director Technorbital Advanced Materials Private Limited, Kanpur. *Newton's Laws of Entrepreneurship*. November 10, 2022.

**Pratik Shah**, Assistant Professor, Computer Science & Engineering, IIIT Vadodara, Vadodara. *NNs - as Universal Approximators*. January 20, 2023.

**J Adinarayana**, Professor, Centre of Studies in Resources Engineering, IIT Bombay, Mumbai. *Disruptive Innovations in Precision Agriculture*. February 3, 2023.

**Sougata Mukherjee**, Leader, CTO Center of Excellence, Kyndryl, Mumbai. *Graph Visualisation*. February 7 and 9, 2023.

**M M Sharma**, Former Director, University Department of Chemical Technology, Mumbai. *Breakthroughs in Catalytic Processes*. March 25, 2023.

**Anish Mathuria**, Professor, DA-IICT, Gandhinagar. *Introduction to Security*. April 5, 2023.

**Keyur Thaker**, DGM, Process Excellence Labs, Alembic, Vadodara. *Opportunities for Chemical Engineers in Pharmaceutical Sector*. April 15, 2023.

## Research Seminar Series

**Garima Mishra**, IIT Madras. *Effects of Flow Fluctuations and Buoyancy on Heat Transfer from a Sphere in Non-Newtonian Nanofluids: Potential for Intensification*. July 22, 2022.

**Anamika Maurya**, IIT Bombay. *Flow and Thermal Characteristics of Non-Newtonian Fluids in Inclined and T-channels*. August 9, 2022.

**Mayuribala Mangrulkar**, Nazarbayev University, Kazakhstan. *Rationalising the Effect of Over Stoichiometric Pbl2 on the Stability of Perovskite Solar Cells*. September 7, 2022.

**Bimal Das**, IIT Patna. *Cornering Fatigue Life Evaluation of DP600 Steel Wheel Disc: Experimental and Numerical Modelling*. December 14, 2022.

**Ashish Agrawal**, Virginia Polytechnic Institute and State University, USA. *Influence of Curricular Features on Engineering Students' Learning Experiences*. January 16, 2023.

**Ganesh Swain**, IIT (BHU) Varanasi. *Biodegradation of Phenol and its Derivatives in Packed and Moving Bed Bioreactors using Bacillus Species Isolated from Petroleum Site*. January 20, 2023.

**Hukum Dewangan**, National Institute of Technology, Rourkela. *Damage Modeling of Laminated Composite Flat and Curved Panels and its Effects on Structural Behavior*. January 24, 2023.

**Harmeet Kaur**, Editage, Cactus Communications. *Optoelectronic Applications of Luminescent Metal-Organic Frameworks (MOFs)-based Composite Materials*. March 7, 2023.

**Ramya Srinivasan**, Pandit Deendayal Energy University. *Holistic Treatment of Emerging and Persistent Contaminants in Water and Wastewater*. March 9, 2023.

**Rupsa Bhowmick**, Los Alamos National Laboratory. *Climate Data Analytics Utilising Earth Observations and Geospatial Technologies*. March 10, 2023.

**Souvik Roy**, Indian Institute of Engineering Science and Technology, Shibpur. *Does Robust Computation Exist?* May 4, 2023.

## RESEARCH

## School of Engineering and Applied Science

### Student Presentations

**Gadesha, V.** *Information Extraction of 4IR/Industry 4.0 Competencies and Skills from Resume*, Ninth International Conference on Business Analytics and Intelligence, IIM Bangalore, December 2022.

**Patel, A., Nariani, D., & Rai, A.** *Mental Stress Detection using EEG and Recurrent Deep Learning*, 2023 IEEE Applied Sensing Conference (APSCON), Bengaluru, January 2023.

**Rathod, P.** *Epilepsy Detection using Bi-LSTM with Explainable Artificial Intelligence*, IEEE 19<sup>th</sup> India Council International Conference (INDICON 2022), Cochin University of Science and Technology, Kochi, November 2022.

**Sharma, S.** *A Hybrid Approach for Interpretable Game Performance Prediction in Basketball*, 2022 International Joint Conference on Neural Networks (IJCNN), Padua, Italy, July 2022.

### Books

**Chaudhary, S., Biradar C. M., Divakaran, S., & Raval, M. S. (2023).** *Digital Ecosystem for Innovation in Agriculture*. Singapore: Springer Nature

### Book Chapters

**Bhalodiya, J. M. (2023).** Identification of MR Image Biomarkers in Brain Tumour Patients Using Machine Learning and Radiomics Features. In M. S. Raval, M. Roy, T. Kaya, & R. Kapdi (Eds.), *Explainable AI in Healthcare: Unboxing Machine Learning for Biomedicine* (131-147), London: CRC Press.

**Kapdi, R., Rajput, S., Roy, M., & Raval, M. S. (2023).** Interpretability of Segmentation and Overall Survival for Brain Tumors. In M. S. Raval, M. Roy, T. Kaya, & R. Kapdi (Eds.), *Explainable AI in Healthcare: Unboxing Machine Learning for Biomedicine* (111-130), London: CRC Press.

**Patel, P., Shah, M., Raval, M. S., Chaudhary, S., & Parmar, H. (2023).** Impact of Vegetation Indices on Wheat Yield Prediction Using Spatio-Temporal Modeling. In S. Chaudhury, C. M. Biradar, S. Divakaran, & M. S. Raval (Eds.), *Digital Ecosystem for Innovation in Agriculture* (201-215), Singapore: Springer.

**Raval, M. S., Obi Reddy, G. P., Chaudhary, S., & Adinarayana, J. (2023).** Data Science, Computer Vision and Machine Learning for Agriculture and Natural Resource Management: An Overview. In P. Shukla, R. Aluvalu, S. Gite, & U. Maheswari (Eds.), *Computer Vision: Applications of Visual AI and Image Processing* (23-54), Boston: De Gruyter.

**Sharma, S., Raval, M. S., Kaya, T., & Divakaran, S. (2023).** Interpretable Machine Learning in Athletics for Injury Risk Prediction. In M. S. Raval, M. Roy, T. Kaya, & R. Kapdi (Eds.), *Explainable AI in Healthcare: Unboxing Machine Learning for Biomedicine* (255-278), London: CRC Press

### Journal Articles

**Ahmad, Z., Nguyen, T. K., Rai, A., & Kim, J. M. (2023).** Industrial Fluid Pipeline Leak Detection and Localization based on a Multiscale Mann-Whitney Test and Acoustic Emission Event Tracking. *Mechanical Systems and Signal Processing*, 189, 110067. <https://doi.org/10.1016/j.ymssp.2022.110067>

**Changela, A., Zaveri, M., & Verma, D. (2022).** A Comparative Study on CORDIC Algorithms and Applications. *Journal of Circuits, Systems, and Computers*, 32(5), 1-47. <https://doi.org/10.1142/S0218126623300027>

**Chaudhary, S. (2022).** Smart Offload Chain: A Proposed Architecture for Blockchain Assisted Fog Offloading in Smart City. *International Journal of Electrical and Computer Engineering*, 12(4), 4137-4145. <http://doi.org/10.11591/ijece.v12i4.pp4137-4145>

**de Jong, M. H., Ganesan, A., Cupertino, A., Gröblacher, S., & Norte, R. A., (2023).** Mechanical Overtone Frequency Combs. *Nature Communications*, 14(1), 1-7. <https://doi.org/10.1038/s41467-023-36953-8>

**Desai, B., Patel, A., Patel, V., Shah, S., Raval, M. S., & Ghosal, R. (2022).** Identification of Free-Ranging Mugger Crocodiles by Applying Deep Learning Methods on UAV Imagery. *Ecological Informatics*. 72, 101874. <https://doi.org/10.1016/j.ecoinf.2022.101874>

**Galiyawala, H., Raval, M. S., & Patel, M. (2022).** Person Retrieval in Surveillance Videos using Attribute Recognition. *Journal of Ambient Intell Human Computing*, 1-13. <https://doi.org/10.1007/s12652-022-03891-0>

**Ganguli, A. A., & Bhatt, V. (2023).** CFD Simulations to Study Bed Characteristics in Gas-Solid Fluidized Beds with Binary Mixtures of Geldart-B Particles: A Qualitative Analysis. *Frontiers Energy and Research*. 11, 1-22. <https://doi.org/10.3389/fenrg.2023.1059503>

**Ganguli, A. A., & Bhatt, V. (2023).** CFD Simulations to Study Bed Characteristics in Gas-Solid Fluidized Beds with Binary Mixtures of Geldart-B Particles: II Quantitative Analysis. *Frontiers in Energy Research*. 11, 1-19. <https://doi.org/10.3389/fenrg.2023.1150943>

**Ganguli, A. A., & Bhatt, V. (2023).** Hydrogen Production using Advanced Reactors by Steam Methane Reforming: a Review. *Frontiers in Thermal Engineering*, 3, 1-15. <https://doi.org/10.3389/ftther.2023.1143987>

**Ganguli, A. A., & Pandit, A. B. (2022).** Computational Fluid Dynamics Simulations to Improve Performance Characteristics of a Manifold Having a Central Inlet and Outlet. *Frontiers and Energy Research*. 10, 1651. <https://doi.org/10.3389/fenrg.2022.1013540>



**Ghosh, M., Khuntia, S., & Dalai, S. (2022).** Effect of Molar Ratio of Feed on the Facile Synthesis of Silicon Nanosheets from Laboratory Waste Glass. *Tailored Functional Materials*, 15, 131–140. [https://doi.org/10.1007/978-981-19-2572-6\\_10](https://doi.org/10.1007/978-981-19-2572-6_10)

**Kakkad, Y., Patel, D. K., Kavaiya, S., Sun, S., & López-Benítez, M. (2022).** Optimal 3GPP Fairness Parameters in 5G NR Unlicensed (NR-U) and Wi-Fi Coexistence. *IEEE Transactions on Vehicular Technology*, 72(4), 5373–5376. <https://doi.org/10.1109/TVT.2022.3222964>

**Kavaiya, S., & Patel, D. K. (2022).** Restricting Passive Attacks in 6G Vehicular Networks: a Physical Layer Security Perspective. *Springer Wireless Networks*, 29(1), 1355 –1365. <https://doi.org/10.1007/s11276-022-03189-1>

**Khuntia, S., Sinha, M. K., Dalal, P., & Singh, A. (2023).** Effective Flue Gas Desulfurization and Denitrification using a One-Step Combined Ozone and UV Technique, *Journal of Cleaner Production*. 398(4), 136583, <https://doi.org/10.1016/j.jclepro.2023.136583>

**Kiani, M. S., Parkhomenko, H., Mangrulkar, M., Aigarayeva, S., Akhanuly, A., Shalenov, E. O., Ng, A., & Jumabekov, A. (2023).** Stepping toward Portable Optoelectronics with SnO2 Quantum Dot-Based Electron Transport Layers. *ACS Omega*, 8(23), 21212–21222. <https://doi.org/10.1021/acsomega.3c02341>

**Manyala, D., Ghosh, M., & Dalai S., (2023).** Novel Microemulsions Formulated from Sodium N-Lauroyl Sarcosinate as Nanocarrier for Encapsulation of α-Tocopherol. *Journal of Molecular Liquids*, 384, 122323. <https://doi.org/10.1016/j.molliq.2023.122323>

**Mwigo, B., Suthar, D., Gulamhussein, M. A., Sinha, M. K., Jampa, S. S., Vala, S., & Khuntia, S. (2023).** Implementation and Utilization of Zeolitic Imidazolate Frameworks (ZIFs) Based Membranes in Wastewater Treatment: A Review. *Materials Today Proceedings*, 77(1), 240–246. <https://doi.org/10.1016/j.matpr.2022.11.268>

**Naik, S., & Gajjar, K. (2023).** Applying and Evaluating Engagement and Application-Based Learning and Education (ENABLE): A Student-Centered Learning Pedagogy for the Course Database Management System. *Journal of Education*, 203(2), 410–422. <https://doi.org/10.1177/00220574211032319>

**Parikh, P., Trivedi, R., Dave, J., Joshi, K. D., & Adhyaru, D. (2023).** Design and Development of a Low-cost Vision-Based 6 DoF Assistive Feeding Robot for the Aged and Specially-Abled People. *IETE Journal of Research*, 1–29. <http://dx.doi.org/10.1080/03772063.2023.2173665>

**Parikh, P., Trivedi, R., & Joshi, K. D. (2023).** Optimising Inverse Kinematics Algorithm for an Indigenous Vision-Based Feeding Serial Robot using Particle Swarm Optimisation and Hybrid Genetic Algorithm: A Comparison. *International Journal of Advanced Mechatronic Systems*, 10(2), 88–101. <https://doi.org/10.1504/IJAMECHS.2023.131332>

**Parkhomenko, H., Mangrulkar, M., & Jumabekov, A. (2023).** Slot-Die-Coated Active Layer for Printed Flexible Back-Contact Perovskite Solar Cells. *Coatings*, 13(3), 550. <https://doi.org/10.3390/coatings13030550>

**Rajput, S., Kapdi, R., Raval, M. S., & Roy, M. (2023).** Interpretable Machine Learning Model to Predict Survival Days of Malignant Brain Tumor Patients. *Machine Learning: Science and Technology*, 4(2), 1–25. <https://doi.org/10.1088/2632-2153/acd5a9>

**Saha, P., Jampa, S. S., Sinha, M. K., & Khuntia, S. (2023).** Hybrid Membrane Process for Water Treatment: A Short Review. *AQUA - Water Infrastructure. Ecosystems and Society*, 72 (5), 608–622. <https://doi.org/10.2166/aqua.2023.097>

**Santra, M., Kunzru, D., & Rabari, D. (2022).** A Stability Analysis of Choline Chloride: Urea Deep Eutectic Solvent using Density Functional Theory. *Computational and Theoretical Chemistry*, 1217, 113921. <https://doi.org/10.1016/j.comptc.2022.113921>

**Soni, B., Patel, D. K., Shah, S. B., López-Benítez, M., & Govindasamy S. (2022).** PU-DetNet: Deep Unfolding Aided Smart Sensing Framework for Cognitive Radio. *IEEE Access*, 10(1), 98737 – 98751. <https://doi.org/10.1109/ACCESS.2022.3206814>

**Conference Proceedings**

**Agrawal, S., & Joshi, K. D. (2022).** Indian Commercial Truck License Plate Detection and Recognition for Weighbridge Automation. *The IEEE 28th International Conference on Mechatronics and Machine Vision in Practice (M2VIP)*, Nanjing, China, November 16–18. 1–6.

**Bhatt, V., Ganguli, A., Chavda, J., & Gadoya, H. (2022).** Computational Fluid Dynamics Studies of a Fluidized Bed with Binary Solid Mixtures. *The 7<sup>th</sup> International Conference on New Energy and Future Energy Systems (NEFES 2022)*, Nanjing, China, October 25–27. 197–204.

**Chaudhary, S. (2022).** ICT Based Participatory Water Governance System to Improve Performance of Canal Irrigation Sector in India. *Proceedings of the Thirteenth International Conference on Application of Information Technology in Agriculture Asia-Pacific Region (AFITA 2022)*, Hanoi, Vietnam, November 24–26. 200–209.

**Gadesha, V., Joshi, K., & Naik, S. (2022).** Estimating Related Words Computationally Using Language Model from the Mahabharata an Indian Epic. *Lecture Notes in Networks and Systems-Proceedings of ICT4SD 2022, 7<sup>th</sup> International Conference on ICT for Sustainable Development (ICT4SD 2022)*, Panaji, Goa, India. July 29–30. 627–638.

**Joshi, K. D., & Saha, V. (2022).** Reducing Image Compression Time Using Improvised Discrete Cosine Transform Algorithm. *The IEEE 4<sup>th</sup> International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT)*, Mandya, India, December 26–27. 1–7.

**Joshi, K. D., Shah, D., Shah V., Gandhi, N., Shah S. J., & Shah, S. B. (2022).** Machine Vision Using Cellphone Camera: A Comparison of Deep Networks for Classifying Three Challenging Denominations of Indian Coins. *The IEEE 28<sup>th</sup> International Conference on Mechatronics and Machine Vision in Practice (M2VIP)* 2022, Nanjing, China, November 16–18. 1–6.

**Kavaiya, S., Patel, D. K., Zaveri, M., Raval, M. S., & Merchant, S. N. (2023).** VeCEn: A Data Acquisition Framework for Heterogeneous Vehicular Networks. *2023 15<sup>th</sup> International Conference on COMmunication Systems & NETworkS (COMSNETS)*, Bangalore, India, January 3–8. 60–65.

**Kundu, S., & Nanavati, A. A. (2022).** A More Powerful Heuristic for Balancing an Unbalanced Graph. *Proceedings of The Eleventh International Conference on Complex Networks and Their Applications, Palermo, Italy*, November 8–10. 31–42.

**Maurya, A., & Chhabra, R. (2023).** Effect of Location of Rectangular Orifice on the Momentum Flow of Power-law Fluids. *10<sup>th</sup> International Conference on Fluid Flow, Heat and Mass Transfer (FFHMT 2023)*, Ottawa, Canada, June 7 – 9. 1–10.

**Mesariya, U., & Joshi, K. D., (2022).** Divya Wear- A Smart Cueing System for Visually Impaired: A Preliminary Study. *The IEEE 4<sup>th</sup> International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT)*, Mandya, India, December 26–27. 1–6.

**Mesariya, U., & Joshi, K. D., (2023).** Divya Wear- Haptic Vest Pattern Design and Analysis. *The IEEE 4<sup>th</sup> International Conference of Emerging Technologies (INCET)*, Belgaum, India, May 26–29. 1–5.

**Modi, U., Rai, A., & Ahmed, S. (2022).** Research Prospects of Friction Stir Additive Manufacturing. *Proceedings of 4<sup>th</sup> International Conference on Recent Advances in Mechanical Infrastructure (ICRAM)*, IITRAM and IIT Bhilai, Ahmedabad, India, December 16–18. 1–9.

**Parikh, P., Joshi, K. D., & Trivedi, R. (2022).** Face Detection-Based Depth Estimation by 2D and 3D Cameras: A Comparison. *The IEEE 28<sup>th</sup> International Conference on Mechatronics and Machine Vision in Practice (M2VIP)*, Nanjing, China, November 16–18. 1–6.

**Parikh, P., Trivedi, R., & Joshi, K. D. (2022).** Continuous Trajectory Planning of a 6 DoF Feeding Robotic Arm Using Novel Multi-Point LSPB Algorithm. *The IEEE 28<sup>th</sup> International Conference on Mechatronics and Machine Vision in Practice (M2VIP)*, Nanjing, China, November 16–18. 1–4.

**Parmar, R., Kuribayashi, M., Takiwaki, H., & Raval, M. S. (2022).** On Fooling Facial Recognition Systems using Adversarial Patches. *2022 International Joint Conference on Neural Networks (IJCNN)*, Padua, Italy, July 18–23. 1–8.

**Patel, A., Nariani, D., & Rai, A. (2023).** Mental Stress Detection using EEG and Recurrent Deep Learning. *2023 IEEE Applied Sensing Conference (APSCON)*, Bangalore, India, January 23–25. 1–3.

**Prabh, S. (2022).** Event Reference Synchronization: An Event-Based IoT Clock Synchronization. *Proceedings of the 33<sup>rd</sup> IEEE Annual International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC)*, Virtual, September 12–15. 7.

**Prabh, S. (2022).** On Intelligent Reflecting Surfaces Element Allocation Using Genetic Algorithms. *Proceedings of the 33<sup>rd</sup> IEEE Annual International Symposium on Personal, Indoor and Mobile Radio Communications: Workshop on Reconfigurable Intelligent Surfaces (PIMRC)*, Virtual, September 12–15. 5.

**Rai, A., & Verma, D. (2022).** Remaining Useful Life Prediction of Lithium-Ion Batteries using Artificial Intelligence. *International Conference on Sustainable Energy and Clean Technologies*, PDEU, Gandhinagar, India, September 2–4. 235–236.

**Rajput, S., Kapdi, R., Sharma, K., Raval M. S., & Roy, M. (2022).** Survival Prediction of Malignant Brain Tumor

Patients. *International Conference on Recent and Future Trends in Smart Electronics System and Manufacturing and its Applications (SESIMIC)*, Pune, India, December 1–3. 1–10.

**Rathod, P., Bhalodiya, J., & Naik, S. (2022).** Epilepsy Detection using Bi-LSTM with Explainable Artificial Intelligence. *9<sup>th</sup> IEEE India Council International Conference, INDICON 2022*, Kochi, India, November 24–26. 1–6.

**Raval, M. S., Roy, M., & Kuribayashi, M. (2022).** Survey on Vision Based Fake News Detection and Its Impact Analysis. *2022 Asia Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC)*, Chiang Mai, Thailand, November 7–10. 1837–1841.

**Raval, P., Khakhi, H., Kuribayashi, M., & Raval, M. S. (2022).** Defense Against Adversarial Examples using Beneficial Noise. *2022 Asia Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC)*, Chiang Mai, Thailand, November 7–10. 1842–1848.

**Shah, F. N., Patel, D. K., Shah, K. D., Raval, M. S., Zaveri, M., & Merchant, S. N. (2023).** Novel Crash Prevention Framework for C-V2X using Deep Learning. *2023 15<sup>th</sup> International Conference on COMmunication Systems & NETworkS (COMSNETS)*, Bangalore, India, January 3–8. 7–12.

**Shah, M., Raval, M. S., & Divakaran, S. (2022).** A Deep Learning Perspective to Atmospheric Correction of Satellite Images. *2022 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2022)*, Kuala Lumpur, Mayalaysia, July 17–22. 346–349.

**Sharma, S. U., Divakaran, S., Kaya, T., & Raval, M. S. (2022).** A Hybrid Approach for Interpretable Game Performance Prediction in Basketball. *2022 International Joint Conference on Neural Networks (IJCNN)*, Padua, Italy, July 18–23. 1–8.



**Takiwaki, H., Kuribayashi, K., Funabiki, N., & Raval, M. S. (2022).** Privacy Protection Against Automated Tracking System Using Adversarial Patch. *2022 Asia Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC)*, Chiang Mai, Thailand, November 7-10. 1849-1854.

**Thaker, S., Shah, T., Raj, Y., & Ahmed, S. (2022).** Tolerance Stack-up Analysis of Toggle Mechanism for Clamping Unit of an Injection Moulding Machine. *Proceedings of 4<sup>th</sup> International Conference on Recent Advances in Mechanical Infrastructure (ICRAM 2022)*, IITRAM and IIT Bhilai, Ahmedabad, India, December 16-18. 1-10.

**Conference Presentations**

**Bhatt, V., Ganguli, A., Chavda, J., & Gadoya, H. (2022).** Computational Fluid Dynamics Studies of a Fluidized Bed with Binary Solid Mixtures. *The 7<sup>th</sup> International Conference on New Energy and Future Energy Systems (NEFES 2022)*, Nanjing, China, October 25-27.

**Chaudhary, S. (2022).** ICT Based Participatory Water Governance System to Improve Performance of Canal Irrigation Sector in India. *Thirteenth International Conference on Application of Information Technology in Agriculture Asia-Pacific Region (AFITA 2022)*, Hanoi, Vietnam, November 24-26.

**Dalai, P., Dalai, S., & Khuntia, S. (2022).** A Simple and Effective Method for the Complete Removal of SO 2 and NOX by the Combination of Ozone and UV. *International Conference on Sustainable Energy and Clean Technologies (ICSECT-2022)*, PDEU, Gandhinagar, India, September 2-4.

**Gadesha, V., Joshi, K., & Naik, S. (2022).** Information Extraction of 4IR/ Industry 4.0 Competencies and Skills from Resume. *Ninth International Conference on Business Analytics and Intelligence*, IIM Bangalore, India, December 15-17.

**Ganguli, A. (2022).** CFD studies of Flow Regimes in Liquid-Liquid Systems. The 2<sup>nd</sup> International Webinar on

Nanoscience and Nanotechnology, Dubai, UAE, December 2.

**Ghosh, M., Khuntia, S., & Dalai, S. (2023).** Investigation of the Effect of Particle Size of Glass and Magnesium Powder on the Synthesis of Nano-silicon via Magnesiothermic Reduction of Waste Laboratory Glassware. *International Conference on Functional Materials for Future Technology (IC-FMFT 2023)*, Vellore Institute of Technology, Tamil Nadu, India, April 19-21.

**Patel, H. A., Patel, D. K., Shah, K. D., & Nagrani, H. R. (2022).** SplitGlass: A Splitting Based Deep Network for Efficient Human Pose Estimation. *2022 IEEE Region 10 Symposium (TENSYP)*, IIT Bombay, India, July 1-3.

**Kavaiya, S., Patel, D. K., Zaveri, M., Raval, M. S., & Merchant, S. N. (2023).** VeCEn: A Data Acquisition Framework for Heterogeneous Vehicular Networks Connected Vehicles And Autonomous Driving. *2023 15<sup>th</sup> International Conference on COMmunication Systems & NETworkS (COMSNETS)*, Bangalore, India, January 3-8.

**Kaveshgar, M., Biswas, U. N., & Shah, F. (2023).** Road Safety Behaviour Among Two-wheeler Riders. *32<sup>nd</sup> Annual Convention of the National Academy of Psychology (NAOP-2023)*, Ahmedabad, India, March 3-5.

**Khatri, C., Nanavati, A. A., & Omi, K. (2023).** US Presidential Policy Decision Directives, 1961 - 2022. *Proceedings of the Midwest Political Science Association (MPSA)*, Chicago, USA, April 13-16.

**Kundu, S., & Nanavati, A. A. (2022).** A More Powerful Heuristic for Balancing an Unbalanced Graph. *The Eleventh International Conference on Complex Networks and Their Applications*, Palermo, Italy, November 8-10.

**Maurya, A., & Chhabra, R. (2023).** Effect of Location of Rectangular Orifice on the Momentum flow of Power-law Fluids. *10<sup>th</sup> International Conference on Fluid Flow, Heat and Mass Transfer (FFHMT'23)*. Virtual, June 7-9.

**Maurya, A., Murallidharan, J., & Sharma, A. (2022).** Flow Separation and Pressure Drop Analysis for Blood Flow in Symmetric Stenosed Arteries of Various Shapes. *Fluid Mechanics and Fluid Power (FMFP-2022)*. IIT Roorkee, India, December 14-16.

**Patel, P., Chaudhary, S., & Parmar, H. (2022).** Analyze the Impact of Weather Parameters for Crop Yield Prediction Using Deep Learning. *10<sup>th</sup> International Conference on Big Data Analytics (BDA 2022)*, IIIT Hyderabad, India, December 19-22.

**Patnaik, S., & Banker, N. D. (2022).** Evaluation of Lower, Upper and Optimum Limit of Desorption Temperatures for silica gel water based Adsorption Refrigeration System. *International Conference on Sustainable Energy and Clean Technologies (ICSECT-2022)*, Gandhinagar, India, September 2-4.

**Prabh, S. (2022).** Event Reference Synchronization (ERS): An Event-Based IoT Clock Synchronization. *Proceedings of the 33rd IEEE Annual International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC)*, Virtual, September 12-15.

**Prabh, S. (2022).** On Intelligent Reflecting Surfaces Element Allocation Using Genetic Algorithms. *Proceedings of the 33<sup>rd</sup> IEEE Annual International Symposium on Personal, Indoor and Mobile Radio Communications: Workshop on Reconfigurable Intelligent Surfaces (PIMRC)*, Virtual, September 12-15.

**Shah, F. N., Patel, D. K., Shah, K. D., Raval, M. S., Zaveri, M., & Merchant, S. N. (2023).** Novel Crash Prevention Framework for C-V2X using Deep Learning. *2023 15<sup>th</sup> International Conference on COMmunication Systems & NETworkS (COMSNETS)*, Bangalore, India, January 3-8.

**Shah, K. D., Patel, D. K., Patel, H. A., & Nagrani, H. R. (2022).** EMED-UNet: An Efficient Multi-Encoder-Decoder Based UNet for Chest X-ray Segmentation. *2022 IEEE Region 10 Symposium (TENSYP)*, IIT Bombay, India, July 1-3.

**Shastri, S., & Khuntia, S. (2023).** Pharmaceutical Micropollutant Degradation using Catalytic Ozonation through the Optimization and Experimental Study. *Serverless To sErve moRe at Scale (STEER-2023)*, Sri Sivasubramaniya Nadar Engineering College, Tamil Nadu, India, March 16-17.

**Shastri, S., Vyas, M., & Khuntia, S. (2022).** Mathematical Expression of the Controlling Factor in an Ozonation Process for Water Treatment. *Students' Chemical Engineering Congress (SCHEMCON-2022)*, NIT Warangal, Hyderabad, India, September 23-24.

**Singh, A., Shastri, S., Sinha, M. K., & Khuntia, S. (2023).** Regression based analysis of a Fe catalyzed ozone-based process for degradation of pharmaceutical. *3<sup>rd</sup> International Conference on Advances in Water Treatment and Management (ICAWTM-2023)*, PDEU, Gandhinagar, India, March 11-12.

**Singh, A., Sinha, M. K., & Khuntia, S. (2022).** Articulation of the Stability of Magnetic Nanoparticles for Ozonation Process in Wastewater Treatment, *International Conference on Sustainable Energy and Clean Technologies (ICSECT-2022)*, PDEU, Gandhinagar, India, September 2-4.

**Singhal, A. (2022).** Interplay of Tetrahedral Co(II) Sites Towards Electrochemical Oxygen Evolution. *International Conference on Beyond Fossil Fuels: The Future of Alternative Energy Technologies (B: FAT-2020)*, IIT (BHU) Varanasi, India, July 23-25.

**Soni, B., Govindasamy, S., & Patel, D. K. (2023).** Deep Learning Aided Energy Efficient Band Assignment in Multiband Heterogeneous Networks. *IEEE 20<sup>th</sup> Consumer Communications & Networking Conference (CCNC 2023)*, Las Vegas, USA, January 8-11.

**Thakore, V., Patel, D. K., & López-Benítez, M. (2022).** Prognosis of Infection Spread Deploying Internet of Bio-NanoThings. *2022 IEEE Region 10 Symposium (TENSYP)*, IIT Bombay, India, July 1-3.

**Wakle, M., & Khuntia, S. (2023).** Bio-Emulsion Liquid Membrane (Bio-ELM) Synthesis by using Seven Different Vegetable Oils for Wastewater Treatment. *2nd International Conference on Waste, Energy and Environment (ICWEE-23)*, Sathyabama Institute of Science and Technology, India, July 5-7.

**Wakle, M., Vyas, M., & Khuntia, S. (2023).** The Sulfate Radical Generation and Optimization of Parameters Through a UV-based Technique, *3<sup>rd</sup> International Conference on Advances in Water Treatment and Management (ICAWTM-23)*, PDEU Gandhinagar, March 11-12.

**Invited Lectures**

**Ahmed, S.** Friction Welding. Gujarat Technological University, Ahmedabad, October 15, 2022.

**Bhalodiya, J.** Brain Tumour Diagnosis Using Machine Learning and Image Processing. Computer Science and Engineering, IIIT Vadodara, January 19, 2023.

**Chaudhary, S.** Girnar: Parikrama and Ane Anubhavo. Shreemaya Krishnadhaam, San Jose, USA, July 24, 2022.

**Chaudhary, S.** Literature and World Trends- From Technology Perspective. Gujarat Sahitya Akademi, Gandhinagar, March 2, 2023.

**Chaudhary, S.** Research Challenges in Blockchain Technologies. IEEE Signal Processing Society, Gujarat Chapter, SCET, Surat, September 6-7, 2022.

**Ganesan, A.** Excitation of Frequency Combs in Nonlinear Chemical Reactions. 67<sup>th</sup> Congress of the Indian Society of Theoretical and Applied Mechanics (ISTAM), IIT Mandi, December 15, 2022.

**Ganesan, A.** Phononic Frequency Combs. Department of Nonlinear Dynamics, Bharathidasan University, October 7, 2022.

**Ganesan, A.** Phononic Frequency Combs. Department of Physics,

Aligarh Muslim University, October 19, 2022.

**Ganesan, A.** Phononic Frequency Combs. Department of Physics, Banaras Hindu University, Banaras, October 21, 2022.

**Kaveshgar, M.** Advances in Smart Mobility and Intelligent Vehicles. Charotar University of Science and Technology, October 10, 2022.

**Kaveshgar, M.** Distant Future or the Reality: ITS and IV in INDIA. 4th International Conference on Soft Computing and its Engineering Applications (icSoftComp2022), Charusat University, Anand, December 10, 2022.

**Kaveshgar, M.** The Use of Technology Towards Mobility: Autonomous Driving, Driver Assistance, Road Safety/Infrastructure. iHUB- Data Mobility Summit, IIIT Hyderabad, Hyderabad, September 24, 2022.

**Kunzru, D.** Heterogeneous Reactions in Monolith Reactors for Process Intensification. Chemical Engineering Day, Indian Institute of Technology Jammu, March 25, 2023.

**Lakhlani, A.** Deep Action Tools for Mastering Emotional Intelligence and Stress Management. River Edge Analytics Pvt. Ltd, Ahmedabad, May 11, 2023.

**Lakhlani, A.** Quick Action Tools for Mastering Emotional Intelligence and Stress Management. River Edge Analytics Pvt. Ltd, Ahmedabad, May 8, 2023.

**Patel, D.** Intelligent Transportation System- Vehicular Cyber Physical System and Cutting Edge Research with xG Cognitive Vehicular Network. Nirma University, Ahmedabad, July 4-15, 2022.

**Patel, D.** A Next Generation 5G Wireless Revolution with Data Analytics. LML High School, Ahmedabad, July 26, 2022.



**Patel, D.** Realization of IoT: Architecture, Application Development and Challenges. Dharamsingh University, Nadiad, November 8, 2022.

**Patel, D.** Future Mobile Communication Standards (5G/6G). SAC-ISRO, Centre for Space Science and Technology Education in Asia and the Pacific (CSSTEAP), Ahmedabad, October 6, 2022.

**Rai, A.** Artificial Intelligence Techniques for Machinery Condition Monitoring. Department of Mechanical Engineering, NIT Rourkela, January 15, 2023.

**Rai, A.** Condition Monitoring of Rotating Machines. School of Engineering and Technology, Shobhit University, Uttar Pradesh, April 1, 2023.

**Raval, M. S.** Deep Learning Approaches for Atmospheric Corrections. CoE-AIML, IITRAM, Ahmedabad, February 7, 2023.

**Raval, M. S.** Deep Learning Approaches for Atmospheric Corrections. GUJCOST Short Term Training Program on Concept of Artificial Intelligence and Machine Learning towards Research Applications, L D College of Engineering, Ahmedabad, January 19, 2023.

**Raval, M. S.** Deep Learning in Agriculture, Image Dehazing and Adversarial Learning. Navrachana University, Vadodara, April 8, 2023.

**Raval, M. S.** Deep Learning- State of the Art Applications in Computer Vision. STEP Talk, IEEE Gujarat Section, Ganpat University, Mehsana, December 31, 2022.

**Raval, M. S.** Open & Sharing Data @ Ahmedabad University. 55th Meeting of the Asia-Pacific Advanced Network (APAN55), Kathmandu, Nepal. March 15, 2023.

**Raval, M. S.** Person Retrieval from Surveillance Video using Textual Query. Islamic University of Science & Technology, Kashmir, March 8, 2023.

**Raval, M. S.** Technology Vision 2047- A Brainstorming Workshop. Technology Information, Forecasting and Assessment Council (TIFAC) and Gujarat Council on Science and Technology (GUJCOST), Science City, Ahmedabad, March 27, 2023.

**Raval, M. S.** Two Powerful Tools in Machine Learning: Logistic Regression and Support Vector Machines. SERB- Hands on Training on Design, Fabrication and Testing of 5G Antenna Using Machine Learning, Sardar Vallabhbhai National Institute of Technology, Surat, May 17, 2023.

**Raval, M. S.** U-Net and Other Models for Image Segmentation. Short Term Training Program on Reconfigurable Chip Design, Image and Video Analysis Using Vivado, LTSpice, Python and OpenCV, Parul University, Vadodara, May 3, 2023.

**Raval, M. S.** Unleashing the Power of AI and Software: Opportunities for Startups in the Indian and Global Market. IT/ITES Conclave 2023, The Southern Gujarat Chamber of Commerce and Industries, Surat, June 2, 2023.

**Raval, M. S.** Fake News Detection and Impact Analysis. Ahmedabad University, Ahmedabad, February 8, 2023.

**Singhal, A.** Interplay of Tetrahedral Co(II) Sites Towards Electrochemical Oxygen Evolution. International Conference on Beyond Fossil Fuels: The Future of Alternative Energy Technologies (B:FAT 2020), IIT (BHU), Varanasi, July 23-25, 2022.

**Singhal, A.** Powder XRD for Women Researchers. IIT Gandhinagar, Gandhinagar, March 21, 2023.

#### Research Working Papers

**Khan A., Ganguli A., & Dalvi S.** Bubble Formation and Dynamics in Microfluidic T-junctions: Experimental Measurements and CFD Simulations. WP-SEAS-CE-2023-01, Ahmedabad University.

**Vani S., Doshi M., Nanavati A., & Kundu A.** Vulnerability Analysis of Smart Contracts. WP-SEAS--

CSE-2022-01, Ahmedabad University and Cornell University.

#### Teaching Materials (Videos)

**Naik, S.** <https://www.youtube.com/channel/UCWOoM-BjelrVYdUEeMWZFYQ>

**Patel, K.** <https://www.youtube.com/c/SelfStudyTutorials>

**Rabari, D.** <https://www.youtube.com/channel/UC-XhXwt08Nv9qi9XP5Zj2uQ>

#### Reports

**Patel, K. (2023).** Shape File Vector-points Analysis Notebook. Kaggle, San Francisco, United States.





# School of Public Health

The World Health Organization defines public health as all organised measures (whether public or private) to prevent disease, promote health, and prolong life among the population as a whole. This necessitates large population based perspectives and approaches to provide quality accessible health and sanitation facilities for all.

The School of Public Health was announced in April 2023 with a mission to improve health and the environment locally, nationally, and globally through organised measures to prevent disease, promote health and prolong life. The School aims to foster better health through education and research.

Kaumudi Joshipura, Dean, School of Public Health, is the first Susmita and Subroto Bagchi Professor of Public Health. The Chair Professorship supports Ahmedabad University's interdisciplinary perspective around problem-solving and is a significant step towards attracting the best minds of the world to us. Through the School, we aim to seed teaching and research in one of the most critical areas of our times. The School is working on establishing a research programme around data and evidence in public health with the long-term goal to encompass key public health components and core competencies at or above global standards and to create novel integrative initiatives in education, research, and health promotion.

## Focus areas for the School

**Education:** To develop leaders and equip them to be able to develop contemporary wholistic innovative interdisciplinary solutions to 21<sup>st</sup> century challenges, drawing from the Indian ethos. The goal is to train leaders who can adapt to changing systems to tackle the ongoing and unimagined public health and environmental challenges. In addition to speciality training programmes, the School also aims to increase awareness of public health issues and promote solutions through educating the public and inspiring a range of disciplines.

**Research:** To employ systems thinking integrating different approaches, technologies, and experts from different disciplines to create contemporary timely understanding of public health challenges and to help develop solutions.

**Health Promotion:** To develop, disseminate, and implement sustainable evidence-based interventions, programmes, and policies, and to engage, educate, inspire, and empower individuals, communities, and organisation leaders from multiple disciplines to make healthy and sustainable choices contributing to global human and planetary health.

## Initial Focus

Adequate solutions to complex public health problems may have an impact beyond health and often need expertise from and engagement with several disciplines. Hence, public health is inherently related to disciplines such as Medicine, Environmental Science, Engineering, Agriculture, and Urban and Infrastructure Planning and Management. Predicting trends and understanding complex arrays of risk factors in a way that is sustainable and has an overall net benefit (not limited to health) and monitoring the impact of policies and interventions requires systems thinking. Addressing major problems will also require bold and creative action to motivate people, communities, and organisations to change norms to improve human and planetary health.

## Initial Focus Areas

The School's initial focus is on Epidemiology, Environmental Health, as well as on Applied Data Science. The latter would include both Biostatistical and Epidemiological methods as well as Artificial Intelligence and other novel approaches to design, analyse and understand large complex datasets. This would enable integration of both lifestyle and environmental factors for non-communicable as well as communicable disease.

## EVENTS

### Inauguration April 18, 2023

Kaumudi Joshipura, Dean, School of Public Health, and Adjunct Professor of Epidemiology at Harvard University, presented her vision for the school. A plenary talk, *Think Globally, Act Locally: Opportunities for Progress on Climate, Health, and Equity*, was delivered by Katherine Catalano, Deputy Director, Center for Climate, Health and Equity, American Public Health Association. Dileep Mavalankar, Director of Indian Institute of Public Health; Indu Bhushan, Founding CEO, Ayushman Bharat; and Minal Pathak, Associate Professor, Global Centre for Environment and Energy discussed *Planetary and Human Health* in a panel discussion moderated by Pankaj Chandra, Vice Chancellor, Ahmedabad University. The Susmita and Subroto Bagchi Chair Professorship was inaugurated in the presence of the deans, Susmita Bagchi and Subroto Bagchi, and the Chancellor, Sanjay Lalbhai.

## WORKSHOP

### Plastic and Environment

A workshop on raising awareness about plastic and its environmental impact was conducted in collaboration with the University Library by Shagun Turakhia, Teaching Assistant, School of Public Health, on June 5, 2023, World Environment Day.

## RESEARCH

### School of Public Health

## Journal Articles

Martínez-Lozano, M., Noboa, C., & Joshipura K. J., et al. (2023). Hurricanes Irma and Maria and Diabetes Incidence in Puerto Rico. *BMC Public Health*, 23, 1019. <https://doi.org/10.1186/s12889-023-15542-w>

Andriankaja, O. M., Pérez, C. M., Modi, A., Suárez, E. L., Gower, B. A., Rodríguez, E., & Joshipura K. J. (2023). Systemic Inflammation, Endothelial Function, and Risk of Periodontitis in Overweight/Obese Adults. *Biomedicine*, 11 (6), 1507. <https://doi.org/10.3390/biomedicines11061507>

Aremu, J. B., Pérez, C. M., Joshipura, K. J. (2023). Longitudinal Association Between Periodontitis and the Risk of Hypertension. *International Journal of Dentistry*, 2023, 2644623. <https://doi.org/10.1155/2023/2644623>





## — Ahmedabad Design Lab

The Ahmedabad Design Lab is a pioneering initiative that serves as a hub for research, practice, and teaching aimed at understanding and addressing the challenges confronting our society.

The Centre's core foundation is built upon utilising design as a cohesive force, seamlessly integrating knowledge from diverse disciplines to foster innovative problem-solving to tackle the city's social, economic, and governance issues. By focusing on these domains, the Centre aims to contribute significantly to the city's transformation into one of the country's most vibrant and dynamic urban centres. Collaboration and co-creation with the community lie at the heart of Ahmedabad Design Lab's mission. It oversees the Design Minor at the University, fostering the development of cutting-edge design thinking, theories, methods, and their application.

The Centre's engagement extends to the industry and other organisations, offering programmes and workshops that leverage design as a catalyst for managing change. Through the year, the Centre held the following industry-focused sessions centred on Design Thinking, encompassing its process, tools, and methods.

### INDUSTRY FOCUS

The industry-focused sessions have been centred on the principle of Design Thinking, encompassing its process, tools and methods.

- We curated a series of sessions on *Design Thinking and Product Management* in Bangalore at the Building Science Leaders in India programme for Indian Space Research Organisation (ISRO) scientists.
- We offered *Design Thinking and R&D Toolkit* sessions for the second cohort of the R&D Managers of the Future executive programme.
- We customised the project, *Design Thinking: Evaluating Design Thinking Methodologies and Synthesising to Suit the Company's Requirements*, for Triveni Turbines Limited, explicitly focusing on their non-standard offerings.

### — Programme

#### Undergraduate

- Minor in Design

### — Student Achievement



#### MITHILKUMAR PARMAR

*Bachelor of Technology in Computer Science and Engineering*

Contributed to enhancing the user experience (UX) by redesigning IDFC's First Bank Credit Card Dashboard as a part of his BTech Engineering Project.

### — RESEARCH

Ahmedabad Design Lab

#### Invited Lecture

**Shah, F.** The Emerging Field of User Experience and User Interface. Gujarat University Design School, Ahmedabad, July 29, 2022.

## — Centre for Heritage Management

The Centre for Heritage Management fosters critical engagement with heritage along with strategic management interventions in various sectors of heritage.

The Centre for Heritage Management has been recognised nationally and globally this year as an authority on heritage in the Asia-Pacific region. The National Monuments Authority under the Ministry of Culture, Government of India, recognised the Centre as an expert heritage body marking us as a leading institution for archaeology and built heritage conservation for the West and Central region of India. We will support the Government in expanding the need for heritage bye-laws for centrally protected monuments and protected areas. The Centre was also elected as the Secretariat for the Asia-Pacific Higher Education Network for Safeguarding Intangible Cultural Heritage (APHEN-ICH) for a two-year term starting December 2022, led by Professor Neel Kamal Chapagain. The APHEN-ICH network, currently comprising 22 academic institutions involved in different aspects of heritage management in the Asia Pacific region, was launched in 2018 with the support of ICHCAP and UNESCO Bangkok Office.

This year, we also resumed the International Conference on Heritage Management Education and Practice, adding a workshop on safeguarding Intangible Cultural Heritage with funding from ICHCAP, South Korea.

### — Programmes

#### Undergraduate

- Minor in Heritage Studies

#### Graduate

- Master of Management Studies in Heritage Management

### — Faculty Achievements



#### Neel Kamal Chapagain Associate Professor and Director

Selected by UNESCO as Global Facilitator for Intangible Cultural Heritage.

Invited as a member to a high-level committee to review 10 years of INTACH Heritage Academy.

Invited to be part of a working group on Heritage Interpretation and Presentation by WHIPIC (a UNESCO category 2 Centre), South Korea.

Appointed as Advisor to the publication series, *ICH Courier*, published by the UNESCO Category 2 Centre in South Korea, International Information and Networking Centre for Intangible Cultural Heritage (UNESCO - ICHCAP).



#### Aditya Prakash Kanth Assistant Professor

Conducted a capacity-building training workshop 2022 at Chhatrapati Shivaji Maharaj Vastu Sangrahalaya Mumbai.

Conferred with Certificate of Appreciation for contributions to Arts, Craft, and Heritage Sectors by WelcomHotel Ahmedabad, ITC Group of Hotels



#### Ioannis Poullos Adjunct Professor

Received a research contract from the Department of Archaeology, Government of Gujarat, for research on living heritage at Vadnagar.



## Events

### UNESCO World Heritage Volunteers 2022 - Let's Heritage Programme

September 10-19, 2022

In collaboration with the Elixir Foundation, the Centre hosted a panel discussion on Resilience and Re-Mobilisation Towards World Heritage. Professors Ioannis Poullos and Aditya Prakash Kanth, Ahmedabad University, Ashish Trambadiya, Director, Ahmedabad World Heritage City Trust and Madhish Parekh, Director, Elixir Foundation were on the panel.

### Sketch Walk in Dhal ni Pol

November 20, 2022

In collaboration with Urban Sketchers Ahmedabad, the Centre held the World Heritage Week Sketch Event at Dhal ni Pol. It was closely followed by an interactive session moderated by Prateek Dalal, on the history and heritage elements of Ahmedabad's Pols, the uniqueness of Dhal ni Pol, and its stories.

### All India Debate Competition

March-April, 2023

The Centre hosted its first All-India Debate Competition for undergraduate students on the theme, *Heritage and Development*.

### Panel Discussion in Ahmedabad on Heritage Changes

April 18, 2023

In collaboration with the Elixir Foundation, the Centre organised a panel discussion on Heritage Changes. Poonam Trambadia, Conservation Architect; Janki Shah, Programme Director at the Centre for Environment Education; Rameshwar Bhatt, Indian documentary and filmmaker; and Gautam Chauhan, Senior Assistant Conservator, Archaeological Survey of India were part of the panel.

### Panel Discussion in Mumbai on Rapid Urbanisation and Threats to Cultural Heritage

April 24, 2022

The discussion was held between Andre Baptista, archaeologist; Kaiwan Mehta, architect and researcher; and Kirtida Unwalla, Conservation Architect; moderated by Professor Neel Kamal Chapagain. It was on heritage precincts in Mumbai and the different pressures they have been facing due to urbanisation and politics.

## Conferences

### 4<sup>th</sup> Conference on Heritage Management Education and Practice from 2-4 December, 2022 in Ahmedabad, India.

The keynote speakers Dr Mallika Sarabhai, Professor A Damodaran and Professor Ashoke Chatterjee spoke about the impact of the pandemic on the heritage sector, specifically the performing arts sector. The highlight of the conference was the Pattachitra performance by Patuas Swarna Chitrakar and her husband Shambhu Chitrakar from West Bengal.

## Workshops

### Workshop on Intangible Cultural Heritage and Community Resilience

December 4-6, 2022

This workshop was as an extension of the 4<sup>th</sup> International Conference on Heritage Management Education and Practice. It covered topics such as ICH in the Urban Context, ICH and Resilience - Rural Living Heritage for Wellbeing, ICH and Community Mapping, Resource Building, and more. The workshop was attended by participants from India, Nepal, and the Philippines.

### Conservation Workshop in Collaboration with Lalbhai Dalpatbhai Museum

A workshop titled Conservation in Focus was organised by Lalbhai Dalpatbhai Museum on May 7, 2023, in partnership with the Centre. It helped children 12 to 16, understand the concept of conservation, recognise the various challenges faced by our cultural heritage, and acquire some basic conservation skills through hands-on activities.

### Workshops in Ahmedabad, Nashik, and Pune on the Emerging Field of Heritage Management

The Centre organised workshops on Dimensions of Heritage Management across Ahmedabad (April 9, 2023), Nashik (April 26, 2023), and Pune (April 28, 2023), which explored the emerging field of heritage management in context of the respective cities.

**Ahmedabad:** The workshop began with a heritage walk at Dhal ni Pol, followed by sessions on conservation of tangible objects, learning about the crafts and communities of Kutch, and sustainable development in the field of heritage management.

**Nashik:** The theme of the workshop was Exploring Built Heritage through Cultural Practices in collaboration with NDMVP Sharadchandra Pawarji College of Architecture.

**Pune:** The theme of the workshop was Exploring Traditional Built Spaces through Living Heritage of Pune in collaboration with BKPS College of Architecture. The participants explored the Kasba Peth of old Pune and visited the craft community of Tambat Ali.

## Field Visits

### Visit to Dharmaj village, Anand

As part of their academic curriculum, the first year Master's students visited the village of Dharmaj near Anand. Through tangible and intangible elements of heritage at Dharmaj, the students were introduced to real-life examples of concepts like diasporic heritage, memory and nostalgia, rural awareness towards heritage safeguarding, adaptive reuse, and the tourism model of heritage safeguarding. Based on their observations and learnings, the students designed proposals of heritage management plans for the village.

### Heritage Immersion Course Visit

This programme was held at Ravanasaamudram and nearby places like Dohnavur Fellowship, Agasthyamalai Community Conservation Centre, Brahmadesam, and Kanyakumari in Tamil Nadu. It focused on lives in a rural context, nuances of multicultural societies, local livelihoods, nature-culture linkages through agriculture and conservation activities, and management challenges of religious institutions.

### Visit to Kachchh for Indigenous Knowledge Systems Management Course

For the Indigenous Knowledge Systems Management course, students had an interactive workshop on community-based documentation in Kachchh. It was focused on the Maldhari community of Banni Grasslands, arts and crafts of Kachchh, and the Fakirani Jat community, who are camel pastoralists, breeding the 'highly threatened' Kharai camel breed.





## Guest Lectures

**Manvita Baradia**, Founder and Director, Urban Management Centre, Ahmedabad. *Heritage Management Plan for Ahmedabad*. February 15, 2023.

**Sujata Parsai**, Director, L D Arts Museum, Ahmedabad. *Disaster Management in Museums*. April 11, 2023.

## RESEARCH Centre for Heritage Management

### Journal Articles

**Chapagain, N. K. (2023).** Intangible Cultural Heritage and Community Resilience: Some Observations. *ICH Courier*, 54, 8-9. <https://ichcourier.unesco-ichcap.org/portfolio-items/volume-54/>

**Chapagain, N. K. (2023).** Heritage Conservation in Postcolonial India: Approaches and Challenges. *Planning Perspectives*, 38(4), 915-917. <https://doi.org/10.1080/02665433.2023.2224177>

**Chapagain N. K. (2023).** Ruptures and Disruptions as Innovative Turns: Interpreting Changes and Anticipating Possibilities in Built Environment in and Around the Walled Settlement of Lomanthang, Nepal. *International Association for the Study of Traditional Environments (IASTE)*, 315, 64-85. <https://iaste.org/wp-content/uploads/2023/02/Vol-315-R.pdf>

**Kanth, A. P., & Soni, A. K. (2023).** Application of Nanocomposites for Conservation of Materials of Cultural Heritage. *Journal of Cultural Heritage*, 59, 120-130. <https://doi.org/10.1016/j.culher.2022.11.010>

**Kanth, A. P., Singh, M. R., & Mani, B. R. (2022).** Archaeometallurgical Characterisation of Ancient Copper Slags from Pre-Harappan Site, Kunal, India. *Analytical Science Advances*, 3 (7-8), 226-234. <https://doi.org/10.1002/ansa.202100050>

**Potdar, S. (2022).** Deciphering Food Preservation as a Storage Technique through Purumenth, a Goan Customary Tradition. *ICH Courier*, 53, 14-15. <https://ichcourier.unesco-ichcap.org/portfolio-items/volume-53/>

**Poulios, I., & Kamperou, E. (2022).** Business Innovation in Orchestra Organizations Supported by Digital Technologies: The Orchestra Mobile Case Study. *Sustainability*, 14(7), 3715. <https://doi.org/10.3390/su14073715>

**Sahasrabudhe, R. (2022).** Tambats of Tambat Ali: Converting a Lifeless Material into Healthy Storage Copper Utensils. *ICHCAP Courier*, 53, 26-27. <https://ichcourier.unesco-ichcap.org/portfolio-items/volume-53/>

### Conference Presentations

**Chapagain, N. K. (2022).** Ruptures and Disruptions as Innovative Turns: Interpreting Changes and Anticipating Possibilities in Built Environment in and around the Walled Settlement of Lomanthang, Nepal. *2022 Conference of the International Association for the Study of Traditional Environments (IASTE 2022)*, National University of Singapore, Singapore, December 14-17.

**Chapagain, N. K. (2022).** Social Responsibility in Heritage Management Education: A Case from South Asia. *9<sup>th</sup> World Archaeological Congress*, Virtual, July 3-8.

**Das, P., & Tated, A., (2022).** How Can Museum Memories Create a New Future? *4<sup>th</sup> Conference on Heritage Management Education and Practice: Heritage in the Post-COVID-19 World*, Ahmedabad University, Ahmedabad, India, December 2-4.

**Kanth, A. (2022).** Cleaning with Gels in Art Conservation. *A Capacity Building Training Workshop*. Chhatrapati Shivaji Maharaj Vastu Sangrahalaya (CSMVS Museum), Mumbai, India, October 17-19.

**Kanth, A. (2023).** Conservation Education and Professional Development. *Conservation Conclave 2023*. Chhatrapati Shivaji Maharaj Vastu Sangrahalaya (CSMVS Museum), Mumbai, India, February 23-24.

**Kanth, A. (2023).** Policies on Conservation as a Profession. *International Museum Expo 2023*, Ministry of Culture, Government of India, New Delhi, India, May 18-20.

**Kumari, A., Purohit, S., Satra, R., & Tated, A. (2022).** Need for Memorialising the Collective Heritage of Covid-19. *4<sup>th</sup> Conference on Heritage Management Education and Practice: Heritage in the Post-COVID-19 World*, Ahmedabad University, Ahmedabad, India, December 2-4.

**Poulios, I. (2023).** Sun Worship. *Gandhinagar International Conference: Archaeology and Museums* Department of Gujarat Government, Gandhinagar, India, June 10.

**Poulios, I., & Sakkou, I., (2022).** Museums Within and Beyond Covid Crisis: An Overview of Challenges and Perspectives in the Western World. *4<sup>th</sup> Conference on Heritage Management Education and Practice: Heritage in the Post-COVID-19 World*, Ahmedabad University, Ahmedabad, India, December 2-4.

**Sahasrabudhe, R. (2023).** Connecting Skills and Knowledge in Value-Chain Method for Crafts Documentation: A Case Study of Tambat Ali, Pune. *Bridging Epistemically Divides in Cultural Heritage Protection: An Exercise in Confrontation and Conversation*, European University Institute, Florence, May 8-9.

### Invited Lectures

**Chapagain, N. K.** Championing Local Potential and Identity. Reinventing Urban Governance for Indian Cities, Series of U20 Events, Brilliant Convention Centre, Indore, May 18, 2023.

**Chapagain, N. K.** Competence-based Academic Learning Outcomes and Assessment. Annual Symposium of the Asian Academy of Heritage Management (AAHM), Virtual, July 3, 2022.

**Chapagain, N. K.** Interlinking the Tangible and Intangible Including Memories in Heritage Interpretation. Bridging the Gap: 50 years of World Heritage Convention, UNESCO Category 2 Centre for the World Heritage Interpretation and Presentation (WHIPIC), Virtual, October 20, 2022.

**Chapagain, N. K.** Learning from Innovative Approaches in Heritage Education. ICCROM, Virtual, September 29, 2022.

**Chapagain, N. K.** Relevance of INTACH Charter in the South(east) Asian Region. Indian National Trust for Art and Cultural Heritage (INTACH) Conveners' Convention 2022, New Delhi, September 10, 2022.

**Chapagain, N. K.** Transformations of the Built Environment in the Trans-Himalayas: Case of Upper Mustang, Nepal. International Symposium- Cities: A Tale of Morphosis, Virtual, June 8, 2023.

**Kanth, A. P.** Gel Cleaning of Museum Artefacts. Capacity Development Programme in Built Heritage Studies and Conservation, Chhatrapati Shivaji Maharaj Vastu Sangrahalaya (CSMVS Museum), Mumbai, October 17-19, 2022.





# Centre for Inter-Asian Research

## Why Inter-Asian Research

More than 60 per cent of the world's population today lives in Asia, but relationships between Asian nations are plagued by ignorance about each other's cultures and societies. The lack of knowledge is alarming in a context where the big regional problems – whether political, economic, cultural, or social – require mutual understanding and cooperation. India is one of the most prominent nations in Asia and has one of the largest educational systems. But strangely, there is no research centre in India that focuses on Asia as a whole. Creating intellectual leadership in this field is an urgent and necessary task, not just for India but also for the region.

The Centre for Inter-Asian Research, established in August 2021, aims to bring together scholars and practitioners to work towards reimagining cultural, political and economic relationships across the continent. The Centre's focus is on collaborative research projects across India and Asia, as well as interdisciplinary research and teaching across the Schools at Ahmedabad University.

## Programmes

### Asia Online

Asia Online is the online arm of the Centre committed to achieve interdisciplinary research and teaching that is not constrained by national boundaries. It provides a web-based platform for institutional and individual collaborations and interactions.

#### List of Courses Offered

SPS 500, *India and China in Comparative Historical and Socio-political Perspective*, co-taught by instructors from Lingnan University, Hong Kong, and Ahmedabad University.

#### Diploma in Literary Translation

- *Material and Sensory Aspects of Translation*, taught by A.P. Ashwin Kumar
- *History and Theory of Translation*, taught by Tejaswini Niranjana
- *Circulation and Reception of Translations in India*, taught by Rahul Sarwate
- *Conceptual Registers of Translation*, taught by A P Ashwin Kumar

#### Short-duration Courses

- *Singing Kabir*, taught by eminent singer Bindhumalini
- *How to Write about Food*, taught by Chef Anumitra and Shalini Krishan, Edible Archives

## Faculty

## Achievement



### TEJASWINI NIRANJANA

*Professor and Director, Centre for Inter-Asian Research*

Received the Federation of Indian Chambers of Commerce and Industry (FICCI) Publishing Award for being a jury member for the FICCI Translation Prize (Fiction) 2022.

Ahmedabad University signed a Memorandum of Understanding (MoU) with the JCB Literature Foundation to design a literary translator training initiative, the Diploma in Literary Translation. It aims at honing the skills of translators who work in the interface of Indian languages and English. 21 candidates were shortlisted, with ten of the best applicants representing languages as diverse as Tamil, Bengali, Kannada, Telugu, Urdu, Hindi, Gujarati, Malayalam, and Marathi.

#### Faculty

**Tejaswini Niranjana**, Director, Centre for Inter-Asian Research, and Dean, Online Programmes

**Rahul Sarwate**, Assistant Professor, School of Arts and Sciences

**AP Ashwin Kumar**, Director, Centre for Learning Futures

#### Guest Speakers

**Daisy Rockwell**, Winner of the International Booker Prize

**Kunal Basu**, Author of *The Miniaturist*, *The Japanese Wife*, and several other works of fiction

**Jerry Pinto**, Winner of the Best Book on Cinema Award, the Windham-Campbell prize, and the Sahitya Akademi Award

**Shanta Gokhale**, Winner of the Sahitya Akademi Prize for Translation

**Tridip Suhrud**, Author of *Reading Gandhi in Two Tongues and Other Essays*

**Rita Kothari**, Translation and literary theorist, Co-Translator of KM Munshi's Patan trilogy among other books

**Nasreen Munni Kabir**, UK-based documentary filmmaker and the author of 20 books on Hindi films, Winner of the first Women of Achievement Award in Arts and Culture

**Arunava Sinha**, Winner of the Crossword Translation Award and the Muse India Translation Award

**Ashish Rajadhyaksha**, Cultural critic, film historian, and author of *Encyclopaedia of Indian Cinema and John-Chatak-Tarkovsky: Citizens, Filmmakers, Hackers*

**Sunil Shanbag**, Renowned theatre personality of Tamaasha Theatre

**Jayasree Kalathil**, Translator of the Crossword Book Award-winning novel, *The Diary of a Malayali Madman*

**Nisha Susan**, Writer, translator, and founder of online magazine *Ladies' Finger*

**V K Karthika**, Publisher, Westland Books

#### Awards and Recognitions

The alumni of the Programme went on to win many awards and recognitions. Padmaja Anant won the Mozhi Award 2022 for translating Chandra Thangaraj's *A House Without Cats*. Sherwin Rodriguez was awarded the prestigious Translation Fellowship in 2023 South Asia Speaks Mentorship Programme. *The Bilingual Window*, a short-fiction journal for Hindi and English translations, has published a set of five micro-fiction pieces translated from Bangla to English, originally written by Swapnomay Chakraborty. These stories, titled *Deer! Deer!* and *Other Micro Stories*, have been translated by Rinita Banerjee.

## Research Projects

### A. Digital Intimacy: Young Women and Social Transformation in Asia

*Digital Intimacy* is an ongoing research project which looks at college-going women in Bangalore, Singapore, Hong Kong, and Guangzhou to understand how their lives in these aspiring 'smart' cities are being shaped by the phenomenal growth of digital technology use in Asia in the past ten years.

The team is currently preparing a manuscript that aims to consolidate and present the project's findings, insights, and scholarly contributions in a comprehensive and accessible format.

### B. Re-Orienting Taste: Eating and Healing in Indian and Chinese Medicine

The *Re-Orienting Taste* project explored the similar philosophies of Ayurveda and Traditional Chinese Medicine (TCM) and their influence on the culinary traditions. The concluding workshop was hosted by the Centre on September 7, 2022, where Edible Archives created new dishes and initiated a hands-on discussion about the properties of Indian and Chinese foods.



C. Usable Pasts, Sustainable Futures

The Usable Pasts, Sustainable Futures project aimed to revisit and bring into renewed circulation historically effective practices that can help mitigate climate change, through interdisciplinary conversations around urban living in the 21<sup>st</sup> century. They began by identifying three key nodes – food, clothing, and housing and then connecting each one to urban life, collective health issues, and the crises sparked by climate change.

The Food Lab	The Clothing Lab	The Housing Lab
8-9 September, 2022	3-4 November, 2022	17-18 February, 2023
It convened stakeholders from nutrition science, restaurant practice, sustainable farming, media, public health, and climate change into discussions around ‘Food’.	It convened practitioners from the handicrafts sector, design solutions, sustainable fashion, media, public health, and climate change into discussions around ‘Clothing’.	It convened practitioners from architecture, sustainable and alternative housing, governance and policy, and creative writing into discussions around ‘Human Habitat’.
Resource Persons	Resource Persons	Resource Persons
Lab Anchor: Purvi Vyas Teacher and Organic Farmer, Ahmedabad	Lab Anchor: Archana Shah Bandhej, Ahmedabad	Lab Anchor: Sejal Patel Centre for Environmental Planning and Technology, Ahmedabad
Anumitra Ghosh Dastidar and Shalini Krishan Edible Archives, Goa	Anuj Sharma Button Masala, Ahmedabad	Anand Sonecha SEA Lab, Ahmedabad
Nabanita Bajaj Edible Routes, Delhi	Ashima Gupta Silāi Studio, Ahmedabad	Bijal Brahmbhatt Mahila Housing SEWA Trust, Ahmedabad
Nishtha Chauhan Cafe Aarambh, Ahmedabad	Chaitsi Ahuja Brown Living, Mumbai	Prasad Shetty School of Environment and Architecture, Mumbai
Pankti Pandey Zero Waste Adda, Ahmedabad	Gunjan Jain Textile and Craft Designer, Vriksh, Delhi	Rupali Gupte School of Environment and Architecture, Mumbai
Sejal Dand Mahila Kisan Adhikaar Manch (MAKAAM), Ahmedabad	Madan Meena Visual artist and Researcher, Rajasthan	Sandeep Virmani Hunnarshaala Foundation, Bhuj
Tejaswini Niranjana Centre for Inter-Asian Research, Ahmedabad University	Meera Goradia Textile Designer and Researcher, Mumbai	Saswat Bandyopadhyay Centre for Environmental Planning and Technology, Ahmedabad
Veena Iyer Indian Institute of Public Health, Gandhinagar	Sohini Dey The Voice of Fashion, Delhi	Saumya Malviya Indian Institute of Technology, Mandi
	Sushma Iyengar Social Activist and Educator, Bhuj	Tejaswini Niranjana Centre for Inter-Asian Research, Ahmedabad University
	Tejaswini Niranjana Centre for Inter-Asian Research, Ahmedabad University	Uma Prajapati Creative Director, Upasana, Pondicherry
		Vaishvik Brahmbhatt Gujarat Real Estate Regulatory Authority

Knowledge Platforms

A. Futures of Mobility

This is a research network at the Centre that brings together faculty from the University of Melbourne, Lingnan University, Indian Institute of Management Ahmedabad, Hong Kong University Space, New York University Abu Dhabi, and the National University of Singapore. The cluster is presenting its first round of research at the Inter-Asia Cultural Studies Biennial Conclave, July 27-29, 2023, hosted by the Centre.

B. Asian Cultural Research

India and Iran have been connected across the centuries in myriad ways, being part of the same physical and imaginative geography before the emergence of modern nation-states. This webinar series hosted by the Centre for Inter-Asian Research, Ahmedabad University, India, and Mardomnameh Cultural History Journal, University of Tehran, Iran, looks at these interconnections to configure new objects of enquiry for comparative research in Asia.

Mana Kia, Columbia University, *Persianate Selves: Memories of Place and Origin before Nationalism*. August 18, 2022.

C. Indian Ocean and Beyond: Outward Bound from Gujarat

This webinar and publication series on Indian Ocean connections and beyond, in collaboration with the Centre for Indian Studies in Africa, University of Witwatersrand, Johannesburg, South Africa, began in July 2022. Drawing on the exciting new work by historians, anthropologists, art historians, legal scholars and social theorists, the series covers topics such as the relationship between law, subjecthood, and the ocean; sea trade and politics in the age of empire; Sufism, historical memory, and regional identity; shipbuilding, migration, and religious affiliation; sea piracy and regimes of protection; language, culture and trade routes. The ten webinars we hosted during the 1st phase of this series are listed below.

- Renisa Mawani, University of British Columbia, *Enemies of Empire: Commerce and Confinement in India, Burma, and Siam*, 1914-1920. July 29, 2022.
- Jyoti Gulati Balachandran, Penn State University, *To Mecca and Beyond: The Rise of a Transregional Gujarati Scholar*. August 26, 2022.
- Jatin Dua, University of Michigan, *Stuck: Chokepoints and (Im)mobility in the Indian Ocean*. September 30, 2022.
- Fahad Bishara, University of Virginia, The Hundred Horizons of One Merchant: Mohammed Salem Al-Sudairawi and the Histories of Arab Bombay. October 28, 2022.
- P K Yasser Arafath, University of Delhi, *Fables from the Ocean: Locusts, Goliath, and Resilient Miracles in the Age of Long Disorder (C.1500-1900)*. November 25, 2022.
- Isabel Hofmeyr, University of Witwatersrand, *Dockside Reading: Hydrocolonialism and the Custom House*. January 27, 2023.
- Samira Sheikh, Vanderbilt University, *Forgetting the Last Nawab's Bharuch*. February 24, 2023.
- Nidhi Mahajan, University of California at Santa Cruz, *A Burning Sea: Arbitrage and Smuggling in the Western Indian Ocean*. March 31, 2023.
- Mahmood Kooria, Leiden University, *The Ottoman Sultan and the Arakkal Queen: Questions of a Matrilineal Sovereign*. April 18, 2023.
- Ketaki Pant, University of Southern California, *A Haunted House: Gujarati Merchants and Plantation Histories between Mauritius and Gujarat*. May 12, 2023.

Guest Lecture

Anne Cheng, Chair, Chinese Intellectual History, Collège de France, *The Chinese Claim for Universality*, February 10, 2023.

Institutional Collaborations

The Centre facilitated a Memorandum of Understanding (MoU) between Ahmedabad University, India, and the International College of Graduate Studies, University System of Taiwan, and another between Ahmedabad University and National Central University, Taiwan. Both MoUs mark a significant step towards promoting academic and research collaboration between Ahmedabad University and these institutions of repute. They will consider a dual degree programme; and promote student exchange programmes.

RESEARCH

Centre for Inter-Asian Research

Invited Lectures

Niranjana, T. Young Women and Social Transformation in Asia. Digital Intimacy, Lingnan University, Hong Kong, June 1, 2023.

Niranjana, T. Re/Semblance: Saath-Saath in Hong Kong and Shanghai. National Central University, Chung-li, Taiwan, February 6, 2023.

Niranjana, T. Young Women and Social Transformation in Asia. Digital Intimacy, Lingnan University, Hong Kong, June 1, 2023.

Niranjana, T. Feminism and Translation. NIT Tiruchirapalli and National Translation Museum, Virtual, July 22, 2022.

Niranjana, T. Musical Crossings: Re/semblance in Mumbai, Hong Kong, Shanghai. New York

University, Abu Dhabi, UAE, April 27, 2023.

Niranjana, T. The African in Me. The Africa Institute, Sharjah, UAE, May 1, 2023.

Niranjana, T. Higher Education in India Today. Lingnan University, Hong Kong, February 10, 2023.

Niranjana, T. The Scope of Inter-Asia Cultural Studies. University of Malaya, Virtual, August 18, 2022.



## — Centre for Learning Futures



The Centre for Learning Futures designs and implements initiatives to support teaching and learning in the University. We also offer, through our Learning Initiatives, opportunities for curricular experimentation and pedagogic innovation as also platforms for integrating learner-centric technological solutions in higher education.

Underscoring the significance of such pedagogic innovation in today's environment, Ahmedabad University was recognised as a Highly Commended University for Teaching and Learning Strategy of the Year at the Times Higher Education (THE) Awards Asia 2023. Widely known as the 'Oscars of higher education', THE Awards offer a major international platform to recognise outstanding leadership and institutional performance and celebrate Asia's higher education excellence. One of our innovative learning practices is Engagement and Application Based Learning and Education (ENABLE), an experiential learning process with a dynamic classroom approach that allows the application of theoretical concepts to real problems through an industry project. We also offer a hands-on winter term called the Independent Study Period (ISP) where students take courses offered by experts, practitioners, and pioneers in various fields beyond their choice of discipline. It allows students to explore their passion and go beyond the classroom, making their academic learning truly interdisciplinary and conceptual understanding more experiential.

### — Digital Curve

This year was also marked by our new initiative, Digital Curve, through which we will harness the power of computation and digital technology to bear on all aspects of teaching, learning, and research. Through Digital Curve, we developed an interdisciplinary Minor in Digital Futures for all undergraduate students at the University. The Minor brings together a blend of computing, art, business, and culture while engaging with computational principles to gain practical experience of computational practices and interactive media in multi disciplinary contexts.

Pritha Roy, Digital Humanities Fellow and Analyst, and Bhumi Shah, Fellow and Analyst, at the Centre attended a workshop on 'Teaching with Simulations' conducted by SP Jain Institute of Management and Research, Mumbai, with the content conceptualised by Harvard Business Publishing (HBP) on June 22-23, 2023.

Bhumi Shah presented and published a paper titled, *Sites and Kshetras: Complexities in Framing Living Religious Heritage Sites*, at the International Symposium on Cultural Heritage x Sustainable Development in the Asia-Pacific Region - Milestones and Opportunities in November 2022.

Under our new Digital Curve initiative that we drove this year, the Centre developed five new courses, DGT212 Digital Humanities, DGT232 Immersive Media Design, COM210 Science Communication using Digital Media, DGT101 Digital Futures: Technologies and Transformations and DGT201 Interactive Media and Visualisation.

## — Ahmedabad Grand Challenges Programme

For the first time this year, we brought to Campus high school students across the country for a deeply immersive programme, Ahmedabad Grand Challenges Programme held in Summer of 2023. This is a unique residential programme designed to help students immerse in an academically rich environment and experience the culture and ethos of a liberal education-based research University. A select cohort of 21 school students from different parts attended the Programme on May 13-20, 2023. Our highlight was the thematic studio based around a grand challenge facing society based on the UN's Sustainable Development Goals (SDGs). Students were trained to think analytically and apply a set of concepts to design a solution to a real-world problem they sought to address. Climate Change was selected as the Grand Challenge to be addressed this year, and students explored the city of Ahmedabad as a live laboratory beyond the classroom.



### — New Faculty Programme

The New Faculty Programme, organised on July 24-27, 2022, was an opportunity for us to introduce our new faculty colleagues to our academic culture and the opportunities it holds for all of them. We were delighted that 26 of our colleagues across Schools attended the workshops spread over four days and 15 sessions.

### — Language Lab and Communication Lab

801 students participated in the Language Lab, where they produced digital communication artefacts to improve their presentation and media production skills. 1053 students participated in the Conversation Club, which involves small groups of 10 to 12 students coming together under a mentor for long, unstructured conversations on varied issues in a safe, empowering, and congenial environment.

### — Learning Coalition

Every year, our faculty come together on a peer-to-peer platform to discuss their courseware, pedagogy, and classroom strategies. This year the following Learning Coalitions were organised:

- Learning Coalition on Making STEM Classroom Joyful with Professor Jill Halpern, (From) 19 July 2022
- Professor Tejaswini Niranjana (from) on "How to write a course outline that aligns with University requirements", 28 July 2022
- Learning Coalition on Foundation Programme with Professors Vivek Tanavde, Saptam Patel, 25 January, 2023 and 17 August, 2022

### Teaching Assistants' Training Programme

We conducted a two-day orientation programme for the incoming batch of our Teaching Assistants on July 29, 2022, and August 22, 2022. A series of hybrid workshops were conducted on 'How to Manage a Classroom' along with a session on 'Library and LMS'. A one-on-one meeting of the Teaching Assistants was organised with their respective faculty for area-specific training.

### Semester End Expo

Semester End exhibitions are a time when students and faculty come together to display the outcomes from their courses. In the past year, on November 16, 2022, and April 19, 2023, there were over 50 different courses with 150 different project outcomes on exhibit.



## Independent Study Period

Through the Independent Study Period (ISP), we offer students a chance to explore their passions and go beyond the classroom, making their academic learning truly interdisciplinary and conceptual understanding more experiential.

Theme of ISP 2022: Grand Challenges

Number of students registered: 236      Course Credits: 3      Number of courses offered: 10

Below are a list of courses offered:

### Exploration in Paper Pulp | Faculty: Snehal Kashikar

This course offers an understanding of materials on environment, individual behavioural pattern of usage, and pitching paper as a sustainable living solution.

### Clues «The Truth Finder» Solving the Crime | Faculty: Ritesh Shukla

This course makes students aware of the significance of clues and its role in the forensic investigation process and also prime them to prevent becoming a victim.

### Cyber Security | Faculty: Kuntal Patel

This course helps participants to understand and implement fundamentals of cyber security mechanisms and makes their surfing and digital transactions over the Internet safe.

### Creating Impactful Short Films | Faculty: Tanmay Shah

This hands-on course equips students with skills pertaining to every stage of filmmaking.

### Aravalis: The Future of Gujarat | Faculty: Mihir Bhardwaj

Step foot onto the ancient Aravallis and come face-to-face with ancient communities through this course. Examine the interface of the landscape and the culture, development, and evolution, and the self and the world.

### Design, Build and Program a Humanoid/Animaloid/Quadruped Robot | Faculty: Tarun Rijwani

This course provides students with an understanding of robotics and automation. No prior knowledge of engineering or robotics is required.

### Thermodynamics from Historical Wars | Faculty: Dharamashi Rabari

This course covers several historical events and relates them to the concept of thermodynamics.

### BiodiverCity: Prototyping Fauna Habitat in Urban Areas | Faculty: Soha Trivedi, Priyanka Kanhare

This course aims to sensitise students to fauna diversity and the associated biodiversity in urban landscapes.

### Building a Fluidic Neurocomputer | Faculty: Adarsh Ganesan

This course reviews recent developments of chemical computers and builds follow-on experimental activities.

### Sustainable Clothing and Lifestyle | Faculty: Ruchi Shah

Through this course, students tailor an upcycled garment and devise a sustainable business around it. The idea is to sensitise students to the impact of the fashion industry on our future.

**Digital Humanities:** This course aims to inform students of transdisciplinary research being undertaken within the purview of Digital Humanities to equip them with the ability to hypothesise and 'critically-make' new media projects.

**Digital Experience Design:** Digital practices are altering the way we archive, interpret and communicate knowledge resources to diverse audiences. This course blends digital practice, technical skills, and narrative building techniques to train students in archiving, interpreting, and designing digital experiences.

**Design Project:** The course is a culminating experience for an individual student/interdisciplinary group of students in their final year, where they apply the learnings gathered during the elective design courses to solve a real-world problem.

Below is the full list of the 100 ENABLE courses offered in 2022-23:

- |  |   |  |
|--|---|--|
| <ul style="list-style-type: none"><li>• Introduction to Plant Biology</li><li>• Conversational Japanese - II</li><li>• Inside Indian Music</li><li>• Culturing the Voice</li><li>• Laboratory Physics - Electromagnetism</li><li>• Research Project</li><li>• Sensation and Perception</li><li>• Thought Experiments - Posthuman Prospects</li><li>• Theatre and Society</li><li>• Exploring Studio Art</li><li>• Performing Humour</li><li>• Telling Women's Stories from India</li><li>• Seeing Photographs</li><li>• Human Figure Study in Drawing and Painting</li><li>• Introduction to Research Methodology</li><li>• History of the 'Social</li><li>• State and Society</li><li>• Within the World of Cities</li><li>• Climate Change and Society</li><li>• Within the World of Cities</li><li>• Thermodynamics - II</li><li>• Human Computer Interaction</li><li>• Data Analytics and Visualisation</li><li>• Social Network Analysis</li><li>• High Speed Computer Architecture</li><li>• Computer Vision</li><li>• Introduction to Blockchain: Technologies, Approaches and Applications</li><li>• Electronics and Magnetic Circuits and Devices</li><li>• Electronics Workshop</li><li>• Solar Thermal Energy</li><li>• Elements of Academic Reading and Writing</li><li>• Digital Humanities</li><li>• Digital Experience Design</li></ul> | <ul style="list-style-type: none"><li>• Design Project</li><li>• Idea to Business Plan</li><li>• CityLab</li><li>• Financing for Startups</li><li>• Living Heritage Approach and Sustainable Development</li><li>• Urban Heritage Management</li><li>• Strategy for Management of Cultural Organisations in a Changing World</li><li>• Sustainability, Business and Society</li><li>• Future of Work</li><li>• Marketing Research</li><li>• Brand Management</li><li>• Digital Marketing</li><li>• Marketing Analytics</li><li>• Formal Logic</li><li>• City as Text</li><li>• Digital Humanities</li><li>• Interaction Design and User Experience</li><li>• Design Thinking and Problem Solving</li><li>• Digital Experience Design</li><li>• Urban Informal Economy</li><li>• Environment and Sustainability</li><li>• Analyzing Corporate Annual Report</li><li>• Workshop</li><li>• Heritage and Business: Designing Heritage Experiences</li><li>• Organizational Behavior</li><li>• People Practices and Decision Making</li><li>• Dark Side of Organisation</li><li>• Business to Business Marketing</li><li>• Digital Marketing</li><li>• Supply Chain Management</li><li>• Evolutionary Biology</li><li>• Introduction to Critical Thinking and Academic Writing</li><li>• Air Quality</li></ul> | <ul style="list-style-type: none"><li>• Conversational Japanese - I</li><li>• Premchand and the making of Hindi Imagination</li><li>• Fourier analysis and its applications</li><li>• Fourier analysis and its applications</li><li>• Inside Indian Music</li><li>• Culturing the Voice</li><li>• Laboratory Physics - Optics</li><li>• Health Psychology</li><li>• Rhythms of Global Music</li><li>• Drawing</li><li>• Painting (Foundation)</li><li>• The Art of Storytelling and Performance</li><li>• How Music Shapes Cities -- Varanasi to NYC</li><li>• Janavak: Voice of the People Folk traditions of India</li><li>• Theatre and Society</li><li>• Music and Society</li><li>• Archives of Artistic Practices in Modern South Asia</li><li>• Introduction to Research Methodology</li><li>• Economy and Society</li><li>• Locating Globalization</li><li>• Identity, Inequality and Difference</li><li>• Government Secrecy and Intelligence Studies</li><li>• Development and its Discontents</li><li>• Self and Society in the Study of Religion</li><li>• Catalysis and Catalytic Processes</li><li>• Artificial Intelligence</li><li>• Data Analytics and Visualisation</li><li>• Cloud Computing</li><li>• Embedded Systems Design</li><li>• Internet of Things</li><li>• Product Realisation</li></ul> |
|--|---|--|

## Engagement and Application Based Learning and Education (ENABLE)

ENABLE, quite literally, enables students to learn on their own through various techniques such as Project Based Learning, Flipped Classroom, Discovery Based Method etc. with the faculty acting as facilitators. 2022-23 saw 100 courses being offered across two semesters with more than 3000 students participating. Some of these courses are:

**Elements of Academic Reading and Writing:** This is an elementary reading and writing course in a series of core communication courses offered by the University to aid students' linguistic development. The course is designed to help students read critically and write effectively and to develop in them an awareness of grammar and writing style which will enable them to self-edit their writing.



# Global Centre for Environment and Energy

The Global Centre for Environment and Energy produces interdisciplinary research to advance the scientific understanding of climate change mitigation and adaptation with a strong focus on sustainable development, including, and especially, equity, poverty alleviation, clean air, energy security, and employment.

Priyadarshi Shukla, Chair, Global Centre for Environment and Energy, and Minal Pathak, Associate Professor at the Centre, are authors of the Summary for Urban Policymakers (SUP) which was released at the 27th United Nations Climate Change Conference or the Conference of the Parties of the United Nations Framework Convention for Climate Change in Sharm El Sheikh Egypt.

The Centre was also deeply involved in the Intergovernmental Panel on Climate Change's Sixth Assessment Report's Synthesis Report, adopted in Interlaken, Switzerland, by 195 member governments. Professors Shukla and Pathak were among the core authors of the Report.

Professor Pathak is also one of the lead authors on the Climate Technology Progress Report 2022 that aims to bring more clarity on what leads to the successful development and transfer of technology, and to the gaps and enablers in amplifying climate action.

Our doctoral candidate Shrutika Parihar was selected this year for the SUPER GCRF PhD Researcher Exchange Scheme with the University of St Andrews, Scotland, UK.

## Faculty and Staff Achievements



**Priyadarshi Shukla**  
*Distinguished Professor  
Chair, Global Centre for Environment and Energy*

Recognised in the World's Top 2% Scientists list for 2022 by Stanford University.



**Minal Pathak**  
*Associate Professor  
Associate Editor of Journal of Climate & Development*

Invited as Guest Editor, Urban Climate Journal, ScienceDirect, for a special issue on Climate change impacts on public health and lives and strategies for resilient and liveable cities.



**Shaurya Patel**  
*Research Associate*

Selected for the Global Youth Training Programme led by Oxford Net Zero, University of Oxford, and Global Youth Coalition.

## Events

### Sustainability Seminar Series

**Jim Skea**, Imperial College London. *Scotland's Just Transition Commission*. January 24, 2023.

### Panel Discussion

Pathak, M., Planetary and Human Health - Celebrating the Establishment of School of Public Health. Ahmedabad University. April 18, 2023. (Panelist)

Energy Transition Towards Net Zero Emissions, Global Centre for Environment and Energy, Ahmedabad University. Gujarat, India. December 22, 2022.

## Workshops

**Sustainable Urban Transport - Way Forward Workshop**, Global Centre for Environment and Energy, Ahmedabad University. Gujarat, India. September 14, 2022.

**Blue Carbon Sequestration:** Insights from Initiatives in Scotland and India, Global Centre for Environment and Energy, Ahmedabad University, Gujarat, India. December 15, 2022.

**Mangroves Ecosystem in Kachchh: Current Initiatives & Policy Measures**, Gujarat Institute of Desert Ecology (GUIDE), Bhuj, Gujarat, India. December 14, 2022.

## Key Grants

**Research Sub-agreement between Imperial College London, United Kingdom and Ahmedabad University, India**  
Imperial College, London | Minal Pathak

**SUPER GCRF PhD Researcher Exchange Scheme with St. Andrews University Scotland, UK (2022)**

Natural Environment Research Council under its Diversity, Equity, and Inclusion (DEI) CDT/DTP Flexible Funding Award

Shrutika Parihar & Minal Pathak

**Feasibility Assessment of Carbon Capture and Storage (CCS) Projects in Gujarat**  
Government of Gujarat | Minal Pathak

**Funding for Data Collection related to Climate Change, Energy and Environment**

Mizuho Research and Information Centre, Japan  
Priyadarshi Shukla

**Assessment Report Six, Intergovernmental Panel on Climate Change**

World Meteorological Organisation, Geneva  
Priyadarshi Shukla

## Programmes

### Undergraduate

- Minor in Environment and Sustainability

### Doctoral

- PhD in Management (Climate Change/ Energy/ Environment)



## Conferences

### Energizing Agriculture and Enabling Just Energy Transitions in South Asia: A Regional Knowledge Forum.

Organised by the International Water Management Institute; Indian Institute of Technology Gandhinagar; World Resource Institute India; Global Green Growth Institute; International Renewable Energy Agency; Global Centre for Environment and Energy, Ahmedabad University; International Solar Alliance; and Deutsche Gesellschaft für Internationale Zusammenarbeit India. February 6-8, 2023.

### IPCC Outreach Event – Climate Change Mitigation: Pathways to 2030 and Beyond

Global Centre for Environment and Energy, Ahmedabad University. Gujarat, India. January 23, 2023.

### Food, Planet and People - TEDx Ahmedabad University.

Organised by the TED Community at Ahmedabad University with the support of the Global Centre for Environment and Energy, Ahmedabad University. December 17, 2022.

## RESEARCH

## Global Centre for Environment and Energy

### Journal Articles

Halsnæs, K., Some, S., & Pathak, M. (2023). Beyond Synergies: Understanding SDG Trade-offs, Equity and Implementation Challenges of Sectoral Climate Change Mitigation Options. *Sustainability Science*, 1-15. <https://doi.org/10.1007/s11625-023-01322-3>

Mahadevia, D., Mukhopadhyay, C., Lathia S., & Gaunder, K. (2023). The Role of Urban Transport in Delivering Sustainable Development Goal 11: Learning from Two Indian Cities. *Social Science Research Network*, 1(1), 1-29. <https://dx.doi.org/10.2139/ssrn.4330203>

Vaishya, A., Raj, S., Singh, A., Sivakumar, S., Ojha, N., Sharma S. K., Ravikrishna, R., Gunthe S. S. (2023). Black Carbon over Tropical Indian Coast during the COVID-19 Lockdown: Inconspicuous Role of Coastal Meteorology. *Environmental Science and Pollution Research*, 30 (15), 44773-44781. <https://doi.org/10.1007/s11356-023-25370-5>

### Conference Proceedings

Joshi, C., & Agarwal, K. (2023). Nexus Between Urban Waste Management and CH<sub>4</sub> Emission Reduction for Climate Action: A Case Study of Varanasi City. *Proceedings of International Conference RAISE 2023: Vol. I Applied Mechanics & Structural Engg., Civil Engineering,*

*Water Resources Engg. & Mgmt., Architecture*, The Maharaja Sayajirao University of Baroda, Vadodara, India. April 12-13. 507-514.

Mahadevia, D., Gounder, K., & Lathia, S. (2022). Exploring Co-Benefits of Active Transportation in a Low-Carbon Future: A Case of Two Indian Cities. *Ecocity World Summit Rotterdam*, Netherlands, February 22-24. 33-45.

Singh, P., Abdullah, B. H., Vaishya, A., Prasad, P., & Rastogi, S. (2022). Identification of Aerosol Types over the Central Indo-Gangetic Plain. *IEEE Xplore URSI Regional Conference on Radio Science (URSI RCRS-2022) Proceedings*, IIT Indore, India. December 1-4. 1-4.

### Conference Presentations

Agrawal, K., & Pathak, M. (2023). Reconciling Justice with Coal Phase-out: A District Level Analysis from India. *Making Energy Transitions Inclusive and Equitable - Energizing Agriculture and Enabling Just Energy Transitions in South Asia: A Regional Knowledge Forum*, IIT Gandhinagar, India, February 7.

Parihar, S., Lele, N., Pathak, M., & Shukla, P. (2022). Unlocking the Potential of Blue Carbon: Land Use Trends of Kachchh Coast, Gujarat, India. *Marine Alliance for Science and Technology for Scotland (MASTS) 12th Annual Science Meeting*, Glasgow,

UK, November 9.

Pathak, M. (2022). Climate Mitigation and Health - With a Focus on India. *Interactive Policy Dialogue on Environment-Health Nexus in Asia and the Pacific*, Virtual, September 14.

Pathak, M. (2022). Climate Change Actions and Regional Sustainable Development Synergies. *International Forum for Sustainable Asia and the Pacific (ISAP 2022)*, Virtual, November 28.

Pathak, M. (2022). Higher Education Partnership Roundtable Unlocking Future Possibilities. *British Council in collaboration with the Scottish Government*. India. December 7. (Link).

Pathak, M., & Patel, S. (2022). The Role of Data and Digitalization for Climate Action and Sustainable Development. *IIASA 50th Anniversary International Conference in India (ICTEA 2019)*, New Delhi, India, August 10-12.

Singh P., Abdullah, B., Vaishya, A., Prasad, P., & Rastogi, S. (2022). Identification of Aerosol Types over the Central Indo-Gangetic Plain using Multi-satellite Observations. *URSI Regional Conference on RadioScience 2022*, IIT Indore, India, December 1-4.

### Invited Lectures

Pathak, M. Climate Change Actions and Regional Sustainable Development Synergies. IGES, Japan, November 29, 2022.

Pathak, M. Climate Change Mitigation: Relevance for Cities. IIHS and Institute of Chartered Accountants, London, July 18-19 2023.

Pathak, M. Climate Mitigation and Health- With a Focus on India. UNESCAP, September 14, 2022.

Pathak, M. Comparative Study on Zero Carbon Cities. LCS-RNet 13th Annual Meeting – New Scientific Challenges for Strengthening Actions Based on IPCC AR6, Virtual, December 16, 2022.

Pathak, M. Delivering a Sustainable Future- Feasibility and Policy. UNFCCC CoP, Sharm-El Sheikh, Egypt, November 15, 2022.

Pathak, M. Energising Change: Pathways to Accelerate India's Transition towards a Renewable Future. JSW & The Times of India 11<sup>th</sup> edition of the Earth Care Awards, Ahmedabad, May 18, 2023.

Pathak, M. Gender-related aspects of the IPCC Sixth Assessment Report at Conference of Parties (COP)27. United Nations and Government of Egypt, Sharm El-Sheikh, Egypt, November 6-18, 2022.

Pathak, M. Interactive Policy Dialogue on the Environment-Health Nexus in Asia and Pacific. Policy Dialogue, Economic and Social Commission for Asia and the Pacific, Virtual, September 14, 2022.

Pathak, M. IPCC's Synthesis Report Important Takeaways. Virtual, March 27, 2023.

Pathak, M. SBI-SBSTA Event on the Gender-related Aspects of the IPCC AR6 Report. UNFCCC CoP, Sharm-El Sheikh, Egypt, November 8, 2022.

Pathak, M. Sustainable Urbanism: Global Perspectives. Global Walkability Correspondents Network, Virtual, December 2, 2022.

Pathak, M. Today's Action for a Better Tomorrow, Round III – Stepping up on the ESG, Understanding LCA and Gearing up for Action on the Ground. Indian Polyurethane Association, Ahmedabad, November 18, 2022.

Pathak, M., & Otto, F. Key findings of the IPCC Synthesis Report. Presentation to the Fractions-internal Working Group on Climate Protection and Energy, Virtual, March 28, 2023.

Pathak, M., & Simpson, P. IPCC Synthesis Report - A Discussion with Authors. Climate Action Network International, Virtual, April 12, 2023.

Shukla, P. Sustainable Development and Mitigation of Climate Change: IPCC (AR6) and India's Energy System Transformation to Net Zero, The 28th AIM International Workshop, Virtual, September 13 - 14, 2022.

### MOOC Courses

Pathak, M., Hayes, J., Osorio, J., Rosenzweig, C., Coray, D., Dombrov, M., & Hsu, K. Cities and Climate Change: Mitigation and Adaptation. <https://www.edx.org/course/cities-and-climate-change-mitigation-and-adaptation>. (2023).

### Policy Briefs

ESCAP and IISD (2022). Operationalizing the Environment-Health Nexus in Asia and the Pacific: A Policy Guide on Opportunities for Enhancing Health, Biodiversity, Food System and Climate Action. Available at <https://www.unescap.org/kp/2022/policy-guide-environment-health-nexus>

Jelinek, T., Bhave, A., Buchoud, N., Bühler, M., Glauner, P., Inderwildi, O., Kraft, M., Mok, C., Nübel, K., Pathak, M., Some, S., & Voss, A., (2023). Advancing AI for Climate Action: Global Collaboration on Intelligent Decarbonization. Task Force 4: Refuelling Growth: Clean Energy and Green Transitions, G20. Available at [https://www.orfonline.org/wp-content/uploads/2023/06/T2O\\_PolicyBrief\\_TF4\\_IntelligentDecarbonisation.pdf](https://www.orfonline.org/wp-content/uploads/2023/06/T2O_PolicyBrief_TF4_IntelligentDecarbonisation.pdf)

### IPCC Synthesis Report

IPCC, 2023: *Climate Change 2023: Synthesis Report*. A Report of the Intergovernmental Panel on Climate Change. Contribution of Working Groups I, II and III to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change. [Core Writing Team, H. Lee and J. Romero (eds.)]. IPCC, Geneva, Switzerland, (in press). [https://www.ipcc.ch/report/ar6/syr/downloads/report/IPCC\\_AR6\\_SYR\\_LongerReport.pdf](https://www.ipcc.ch/report/ar6/syr/downloads/report/IPCC_AR6_SYR_LongerReport.pdf)

IPCC, 2023: *Summary for Policymakers. In: Climate Change 2023: Synthesis Report*. A Report of the Intergovernmental Panel on Climate Change. Contribution of Working Groups I, II and III to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [Core Writing Team, H. Lee and J. Romero (eds.)]. IPCC, Geneva, Switzerland, (in press). [https://www.ipcc.ch/report/ar6/syr/downloads/report/IPCC\\_AR6\\_SYR\\_SPM.pdf](https://www.ipcc.ch/report/ar6/syr/downloads/report/IPCC_AR6_SYR_SPM.pdf)

### UN/ Global Reports

United Nations Environment Programme Copenhagen Climate Centre (UNEP-CCC) and United Nations Framework Convention on Climate Change (UNFCCC) Technology Executive Committee (TEC) (2022). Climate Technology Progress Report 2022. Copenhagen, Denmark. <https://unepccc.org/publications/the-climate-technology-progress-report-2022>

Babiker, M., Bazaz, A., Bertoldi, P., Creutzig, F., De Coninck, H., De Kleijne, K., Dhakal, S., Haldar, S., Jiang, K., Kilkis, Ş., Klaus, I., Krishnaswamy, J., Lwasa, S., Niamir, L., Pathak, M., Pereira, J. P., Revi, A., Roy, J., Seto, K.C., Singh, C., Some, S., Steg, L., & Ürges-Vorsatz, D. (2022). *What the Latest Science on Climate Change Mitigation Means for Cities and Urban Areas*. Indian Institute for Human Settlements. <https://doi.org/10.24943/SUPSV310.2022>



## Podcast & TV Interviews

**Bhattacharya, B., (2022 August 8).** *Intense rains in Mumbai and western India | In conversation with scientist Minal Pathak | India's climate change costs.* Mint Climate Change Tracker. <https://shorturl.at/LMQT5>

**National Institute of Urban Affairs. (2022 August 30)** *Science-Based Targets with Dr Minal Pathak | Understanding the Future | Season 3.* Climate Centre for Cities - Understanding the Future. <https://shorturl.at/dlnOI>

**Petkiewicz, S., (2023 June 16).** Professor Minal Pathak. Zero. <https://shorturl.at/loERS>

**Sansad TV., (2023 April 15).** *Perspective: Mission LiFE & Climate Change.* [www.youtube.com/watch?v=yv-ISzThqbY&ab\\_channel=SansadTV](https://www.youtube.com/watch?v=yv-ISzThqbY&ab_channel=SansadTV)

**StratNews Global., (2023 March 30).** *In the Battle To Save The Planet It Is Now Or Never.* [www.youtube.com/watch?v=u0Kz7Powm1E&ab\\_channel=StratNewsGlobal](https://www.youtube.com/watch?v=u0Kz7Powm1E&ab_channel=StratNewsGlobal)

**Sansad TV., (2023, March 21).** *Perspective: Climate Change - No Time to Lose.* <https://shorturl.at/npx49>

## Print Media

**Patel, S., & Pathak, M.** Why the IPCC's Synthesis Report is Critical to Developing Nations. The India Forum. April 28, 2023. <https://www.theindiaforum.in/forum/why-ipccs-synthesis-report-critical-developing-nations>

**Patel, S.** Future of the planet and people - What IPCC says about it? The Economic Times. April 6, 2023. <https://economictimes.indiatimes.com/industry/renewables/future-of-the-planet-and-people-what-ipcc-says-about-it/articleshow/99301257.cms>

**Pathak, M.** Ahmedabad's Heat Action Plan has more hot air, less gas to propel it forward. Question of Cities. March 24, 2023. <https://questionofcities.org/ahmedabads-heat-action-plan-has-more-hot-air-less-gas-to-propel-it-forward/>

**Pathak, M.** How to defuse the climate change time bomb. Mint Lounge. March 23, 2023. <https://lifestyle.livemint.com/smart-living/environment/how-to-defuse-the-climate-change-time-bomb-111679583391736.html>

**Patel, S., & Pathak, M.** COP27: The dust has settled, what next? *The Economic Times.* January 9, 2023. <https://economictimes.indiatimes.com/industry/renewables/cop-27-the-dust-has-settled-what-next/articleshow/96795678.cms>

**Pathak, M.** 'This may be the coolest summer. Be ready for 51 degrees C'. *Question of Cities - Forum for Nature, People and Sustainability.* June 3, 2022. <https://questionofcities.org/this-may-be-the-coolest-summer-be-ready-for-51-degrees-c>

# International Centre for Space and Cosmology

The International Centre for Space and Cosmology launched in 2022 is working toward driving cutting edge research in the areas of Space, Astrophysics and Cosmology, training the next generation of researchers, and advancing public understanding of this very exciting domain of Physics. We conduct outreach programmes to encourage young students to consider a research career in Space and Cosmology, and provide them with information regarding opportunities in these areas.

## Faculty Achievements



**Pankaj Joshi**  
*Distinguished Professor of Physics and Director, International Centre for Space and Cosmology*

Recognised in the World's Top 2% Scientists list for 2022 by Stanford University.

Received the Gujarat Gaurav Ratna Award.

Received the Soham Memorial Award and Prize by Bharatiya Vidya Bhavan, Mumbai, for his articles titled, Gyani and Vigyani - A Cosmic Dialogue.

## Conferences and Workshops

### Conference on Frontiers in Black Holes and Cosmology

The Centre hosted Frontiers in Black Holes and Cosmology, in July 2022. The presenters discussed shadows of black holes and naked singularities, and frontier problems in cosmology such as the issue of dark matter.

### Workshop on Gravitation and Cosmology

The Centre organised a workshop (October 6-7 2022) with researchers across Gujarat discussing frontier research in gravitation and cosmology.

### Conference on At the Heart of Our Galaxy: Shadows and the Singularity

The launch of our Centre coincided with the observations by the Event Horizon Telescope (in May 2022) of the highly compact and dense object at the centre of the Milky Way galaxy. Using an array of networked radio telescopes around the globe, an image was obtained showing the ultracompact object at the centre of our galaxy. In this Conference held in March 2023, Pankaj Joshi, Dean of the Centre, discussed the JMN (Joshi-Malafarina-Narayan) naked singularity model proposed and published in 2011 by him and his colleagues that contributed to the modelling that underlies this discovery.

## International Collaboration

### Next-generation Event Horizon Telescope (ng-EHT) hosted by Harvard University, USA, and International Collaborations on Horizon Scale Gravity

Parth Bambhaniya, doctoral candidate at the Centre, is part of the group actively working on the project, Tests of GR and the Kerr hypothesis, initiated by the ng-EHT group.

### Horizon Scale Gravity and Test of GR

Pankaj Joshi, Director of the Centre, and doctoral candidate Parth Bambhaniya collaborated on an international research project on Horizon-scale tests of gravity theories and fundamental physics from the Event Horizon Telescope image of Sagittarius A\* with 15 scientists from 10 countries, including India, USA, UK, Canada, Italy, South Africa, North Macedonia, China, Iran, and Cyprus.





### Student Presentations

**Dave, D.** *Constraints on the Mass and Self-Coupling of Ultra-Light Scalar Field Dark Matter Using Observational Limits on Galactic Mass*, 32<sup>nd</sup> meeting of Indian Association for General Relativity and Gravitation, IISER, Kolkata, December 2023.

**Dave, D.** *Self Interactions of Ultra-Light Dark Matter and Observations at Galactic Scales*, TIFR-ICTS, Bangalore, March 2023.

### Books

**Joshi, P. S. (2022).** *Naked Singularity*. USA: Scientific American.

**Joshi, P. S. (2023).** *Dharm Jagruti*. Ahmedabad: Dharma Jagruti Kendra.

**Joshi, P. S. (2023).** *Gyani & Vigyani-- Sage & Scientist*. Mumbai: Navneet-Samarpan.

**Joshi, P. S. (2023).** *Pryogatmak Gandhi - 2<sup>nd</sup> ED*. Ahmedabad: Gurjar Granth Ratna Publishers.

### Journal Articles

**Abbey, P., Goswami, G., et al. (2022).** Reviewers' January—December 2021. *Indian Journal of Radiology and Imaging*, 32(1), 3-4. <https://doi.org/10.1055/s-0042-1748028>

**Bambhaniya, P., Verma, J., Dey, D., & Joshi, P. S., (2023).** Lense–Thirring Effect and Precession of Timelike Geodesics in Slowly Rotating Black Hole and Naked Singularity Spacetimes. *Physics of the Dark Universe*, 40, 101215. <https://doi.org/10.48550/arXiv.2109.11137>

**Bambhaniya, P., Jusufi, K., & Joshi, P. S. (2022).** Thin Accretion Disk in the Simpson–Visser Black-Bounce and Wormhole Spacetimes. *Physical Review D*, 105(2), 023021. <https://doi.org/10.48550/arXiv.2109.15054>

**Chakrabarti, S., Dave, B., Dutta, K., Goswami, G. (2022).** Constraints On The Mass and Self-Coupling of Ultra-Light Scalar Field Dark Matter Using Observational Limits on Galactic Central Mass, *Journal of Cosmology and Astroparticle Physics*, 09, 074. <https://doi.org/10.1088/1475-7516/2022/09/074>

**Dey, D., Joshi, P. S., Mosani, K., & Vertogradov, V. (2022).** Causal Structure of Singularity in Non-spherical Gravitational Collapse. *European Physical Journal C*, 82(5), 431. <https://doi.org/10.48550/arXiv.2103.07190>

**Mosani, K., Dey, D., Bhattacharya, K., Joshi, P. S. (2022).** Singularity Resolution in Gravitational Collapse. *Physical Review D*, 105(6), 064048. <https://doi.org/10.48550/arXiv.2110.07343>

**Mosani, K., Dey, D., & Joshi, P. S., (2023).** Erratum: Strong Curvature Naked Singularities in Spherically Symmetric Perfect Fluid Collapse. *Physical Review D*, 107(6), 069903. <https://doi.org/10.1103/PhysRevD.107.069903>

**Patel, V., & Joshi, P. S. (2022).** Light Trajectory and Shadow Shape in the Rotating Naked Singularity. *European Physics Journal C*, 82(9), 798. <https://doi.org/10.1140/epjc/s10052-022-10638-w>

**Patel, V., & Joshi, P. S. (2022).** Rotational Energy Extraction from the Kerr Black Hole's Mimickers. *Universe* 2022, 8(11), 571. <https://doi.org/10.3390/universe8110571>

**Patel, V., Acharya, K., Bambhaniya, P., & Joshi, P. S. (2023).** Energy Extraction from Janis-Newman-Winicour Naked Singularity. *Physical Review D*, 107(6), 064036. <https://doi.org/10.1103/PhysRevD.107.064036>

**Solanki, D. N., Bambhaniya, P., Dey, D., Joshi, P. S., & Pathak, K. N. (2022).** Shadows and Precession of Orbits in Rotating Janis–Newman–Winicour Spacetime. *The European Physical Journal C*, 82(1), 77. <https://doi.org/10.48550/arXiv.2109.14937>

**Tahelyani, D., & Joshi, P. S. (2022).** Comparing Thin Accretion Disk Properties of Naked Singularities and Black Holes. *Physical Review D*, 106(4), 044036. <https://doi.org/10.1103/PhysRevD.106.044036>

### Invited Lectures

**Joshi, P.** At the heart of our Galaxy: Shadows and the Singularity. Ahmedabad University, Ahmedabad, March 29, 2023.

**Joshi, P.** Brain, Mind and Consciousness: Foundation of Science: How We Discover? Bhaktivedanta Institute and Ramakrishna Mission, Bhuvaneshwar, July 16-18, 2022.

**Joshi, P.** How to do research: PhD Orientation Programme. Ganpat University, Ganpat nagar, Mehsana, July 27, 2022.

**Joshi, P.** How we make scientific Discoveries. ISKCON and the Academy of Research for the Cultivation of Indian Sciences, Mumbai, November 4-6, 2022.

**Joshi, P.** Meet the Scientist. Jeevan Bharati Mandal, Surat, November 25, 2022.

**Joshi, P.** Progress of the Youth. Indian Society for Community Education, Ahmedabad, January 19, 2023.

**Joshi, P.** Puranic and Siddhantic Cosmology Within an Experiential Mathematical Framework. Bhaktivedanta Institute, Mumbai, November 4-5, 2022.

**Joshi, P.** Quality Education. Indian Society for Community Education, Ahmedabad, March 2, 2023.

**Joshi, P.** Spacetime Singularities and Blackholes. Indian Institute for Teachers Education, Gandhinagar, August 27, 2022.

## Physiotherapy College for the Visually Impaired

Ahmedabad University's Physiotherapy College for the Visually Impaired was started in August 2005. It has two campuses at the Blind People's Association at Vastrapur and The School for the Deaf and Mute Society at Navrangpura. The College offers a Diploma Programme in Physiotherapy for visually impaired learners.

The campuses provide infrastructural support to the Programme by offering space for three simultaneous learning sessions, a science lab with 3D human anatomy models, a library with audio materials, and a recording studio.

Each campus has a dedicated physiotherapist and faculty to guide the students through the Programme curriculum. The College also operates a physiotherapy clinic that provides treatment at nominal rates. In the academic year 2022-23, all 13 enrolled students cleared their examinations.





# VentureStudio

VentureStudio was established by Ahmedabad University in collaboration with Stanford University Design School. It is an innovation and startup incubation centre offering guidance and support to young entrepreneurs ranging from pre-seed grants or funding, mentoring, networking, access to cutting-edge facilities for product development, and team-building assistance.

In addition to its indomitable stature in the University, the Centre has also been one of the oldest incubation centres in Gujarat. It hosts the Prayas Shala Fab Shop and Bio-NEST Biotechnology lab and supports the Department of BioTechnology in its BioIncubation activities.



## Impact

VentureStudio supports BioIncubation activities in Gujarat by the Department of BioTechnology. VentureStudio also hosts the Prayas Shala Fab Shop as well as Bio-NEST Biotechnology lab to provide solid infrastructure support to upcoming startups. Till date, the Centre has been instrumental in supporting more than 125 startups in diverse science and technology domains such as Healthcare, BioTechnology, Life Sciences, Medical Devices, Diagnostics, Engineering, Agriculture, Fintech, Hardware, Industry 4.0, and Enterprise Software, among others.

\*The below data is until October 2023

125	Number of Startups Supported	56	Number of Products Commercialised	500	Employment Generated
80	Number of Active Incubatees	40 Crore	Revenue Generated	4.60 Crore	Grants Raised
25	Number of Patents Filed	13 Crore	Funds Raised		
4500+	Startup Enthusiasts, Innovators, and Founders	75+	Mentors and Industry Expert	80+	Incubatees, Multiple Government, Corporate, and Investor Partners.

## Long-Term Engagements

VentureStudio conducts long-term engagements throughout the year focusing on Science and Technology innovation to support students, innovators, and entrepreneurs. Last year, three such engagements were offered:

### VentureStudio Fellowship

During this 16-week long Programme, students deep dive into many topics such as idea generation, business model canvas, marketing, finances, product-market fit, among several others. Apart from workshops conducted by subject area experts, students get an opportunity to interact closely with successful entrepreneurs, investors, and mentors, and start their own venture. The Fellowship concludes with students showcasing their ventures on Demo Day.

### Ideathon

VentureStudio, in collaboration with eInfochips, organised the Ahmedabad Ideathon 2022 on Campus. The primary objective of this event was to encourage students to contribute their ideas in the field of Industry 4.0 while providing comprehensive support throughout the process. Participants were introduced to the available support systems for startups, with VentureStudio's incubatees sharing valuable insights on how to progress their ideas to the next stage.

### Entrepreneur-in-residence

VentureStudio hosts EIR, an initiative of the Department of Science and Technology, to inspire the best innovators to be entrepreneurs, minimise the risk involved in pursuing start-ups, and to partially set off their opportunity costs of high-paying jobs by offering grant allowance to full-time entrepreneurs/innovators. Selected applicants receive a sustenance allowance of up to INR 30,000 per month along with product/technology development guidance, business mentoring, lab and other infrastructure support, and industry connections.

## Partnerships

VentureStudio is a Technology Business Incubator (TBI) approved by the National Science Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology (DST), an approved Bio-NEST facility for bio-incubation by the Biotechnology Industrial Research Assistance Council (BIRAC), as well as an approved nodal agency under the Government of Gujarat Startup Policy and SSIP - Student Startup & Innovation Policy.

The Centre also works with other incubation centres and ecosystem players to create a thriving startup ecosystem in Gujarat.

GOVERNMENT	<ul style="list-style-type: none"><li>Department of Science &amp; Technology (DST)</li><li>Department of BioTechnology (DBT)</li><li>Government of Gujarat (GoG)</li><li>Department for Promotion of Internal Industry &amp; Trade (DPIIT)</li><li>International Financial Services Centres Authority (IFSCA)</li></ul>
CORPORATES	<ul style="list-style-type: none"><li>EInfoChips</li><li>HDFC Bank CSR</li></ul>
INVESTORS	<ul style="list-style-type: none"><li>Venture Catalyst</li><li>GVFL Ltd</li><li>Eques Capital Management Pvt Ltd</li></ul>
COMMUNITIES	<ul style="list-style-type: none"><li>eChai</li><li>Wadhvani Foundation</li></ul>



Incubation

VentureStudio worked on over 400+ applications, selecting 18 startups for incubation. Most of these startups work in deep science or technology innovation.

<b>KRISHIMANI</b> <i>SECTOR: AGRITECH</i>	Krishimani is a battery-powered seed sowing system creating end-to-end automation right from ploughing to crop care. Coupled with precise and appropriate amounts of pesticide and fertiliser sprinkling, it reduces the wastage of seeds, fertilisers, and pesticides significantly.
<b>PANTHERA CLEANTECH PRIVATE LIMITED</b> <i>SECTOR: WATER / CLEANTECH</i>	Panthera CleanTech is a D2C start-up that focuses on water and cleaning solutions for the domestic sector. It provides reliable, affordable, and sustainable solutions through its products.
<b>HYPERLAB</b> <i>SECTOR: SPORTSTECH</i>	Hustle is a fitness and sports training product for amateurs and athletes which uses a laser for projecting targets combining both, a virtual and physical experience. The innovation lies not only in the lightweight design yet sturdiness of the product but also its self-learning algorithms, simulation processes, and data analytics.
<b>IGNEEVA ADVANCED TECHNOLOGIES PVT LTD</b> <i>SECTOR: ROBOTICS</i>	Igneeva is a startup developing a state-of-the-art advanced smart robotics floor cleaner which has completely automated the process of deep cleaning/ vacuuming and mopping.
<b>AERONUTS - AMPHIBIOUS DRONES</b> <i>SECTOR: AERONAUTICS AND DEFENCE</i>	Aeronuts is a startup working on amphibious drones that will be used to perform both in air and water, and operate in places where human penetration is difficult.
<b>ONECEPTUAL TECHNOLOGIES</b> <i>SECTOR: MOBILITY</i>	Oneceptual intends to be a social impact venture by working towards empowerment of the differently abled by providing them with the platform to thrive. Their mobility device Handicare does not require any external power source like battery or fuel.
<b>EARTH TATVA</b> <i>SECTOR: CLEANTECH</i>	Earth Tatva offers green cutlery and green building solutions blending a mix of recycled ceramics. The innovation lies in the usage of 60 per cent post-industrial landfilled ceramic rejects to make ceramic wares that are 100 per cent recyclable. We have also successfully assisted the startup in pitching and getting selected for the HDFC Parivartan Grant for social impact startups.
<b>POOLIT</b> <i>SECTOR: MOBILITY</i>	The startup focuses on the need for comfortable and affordable car-pool based connectivity in real time through a mobile application for car owners and trip seekers based on an asset light aggregation model.
<b>FIREBOT</b> <i>SECTOR: INDUSTRY 4.0</i>	The startup is developing a fire extinguishing system using innovative technologies like computer vision, IoT, and data analytics for remote sensing and management of fire outbreaks both in the domestic household environment and in industrial establishments.

<b>NAWGATI TECH</b> <i>SECTOR: ENTERPRISE HARDWARE &amp; SOFTWARE</i>	Nawgati is an operations platform for fuelling stations and consumers with comprehensive functionalities like attendant management, customer queue management, customer CNG hydro test records, operating safety, and hazard compliance flags. A proprietary dashboard generates multiple operating customer insights.
<b>UNIVIA</b> <i>SECTOR: AGRICULTURE</i>	Univia is an agritech application providing an e-commerce marketplace for agri-inputs like pesticides, seeds, implements, information around rainfall, soil conditions, harvest forecasts, realtime mandi-prices, and other agronomy advisories to the Indian farming community. The personalised easy-to-use app interface aims at solving traditional farmers' procurement challenges with accurate realtime information, insights, and intermediation.
<b>ANAHAT SOLUTIONS (HEALTH-E)</b> <i>SECTOR: HEALTHCARE</i>	The Heath-e mobile application is a comprehensive patient records locker and information management platform that uses data analytics and deep learning for clinical management, value added services, and regulatory compliance.
<b>XSCALE</b> <i>SECTOR: ENTERPRISE SOFTWARE</i>	Xscale is developing a SaaS-based sales acceleration engine covering opportunity prospecting, pre-sales, sales and delivery, and post-sales cycles for the startup and small enterprises ecosystem. Through data analytics and proprietary processes, it creates business competencies for new businesses and startups.
<b>SOCITIEZ</b> <i>SECTOR: SOCIAL MEDIA</i>	Societiez is one of its kind democratic social media platforms using Web 3.0 technologies with customised features that enable full control on browsing, and the freedom to select and structure personalised feed streams.
<b>THINKMONK</b> <i>SECTOR: EDUTECH</i>	Thinkmonk's Teach.Us is a software application providing end-to-end management of academics in colleges. It works on transforming the way colleges work by digitising processes thereby empowering academicians with real-time operational and analytics capabilities.
<b>NAVIDAD INFOTECH</b> <i>SECTOR: CONSUMER TECH</i>	Navidad Infotech's Holostick is an on-demand customised camera automation kit using open-source technology and embedded systems, and cost-effective holographic technology that can light paint designs articulated onto camera images.
<b>SENSEGOOD INSTRUMENTS</b> <i>SECTOR: AGRITECH</i>	Sensegood is developing testing equipment and instruments for analysing the oil content in oil seeds and other quality parameters of field crops. The innovation lies in using affordable domestic technology at significantly low cost of production.
<b>E-CAREBETICS</b> <i>SECTOR: HEALTHCARE</i>	E-Carebetics is working on a cutting-edge application for at-home diabetic retinopathy detection and screening. The innovation lies in the combination of an app-based patient interface and the use of a DIY lens for 90 per cent screening accuracy outcomes for self-diagnosis.



Bio-Incubation

EVENTS

Awareness Programmes for Biotechnology Ignition Grant (BIG)

BIG is BIRAC’s flagship programme offering grant-in-aid support of up to INR 50 lakh to individuals and companies working on innovation in biotechnology and allied areas. VentureStudio Bio-NEST organised awareness sessions for BIG in association with nationally reputed bio incubators such as the Society of Innovation and Entrepreneurship (SINE) at Indian Institute of Technology Bombay, and Venture Center, Pune, as well as local bio incubators such as National Institute of Pharmaceutical Education and Research (NIPER), Ahmedabad, and Savli Technology and Business Incubator (STBI).

Startups

STARTUP/FOUNDER	SECTOR	INNOVATION	SUPPORT
WetAcre Sustainable Solutions Pridharsini S	Agriculture	Innovative solution using seaweed polymer to address the issue of water scarcity in drought-prone areas.	Bio-NEST provided wet lab space, equipment, and technical support.
Seragen Biotherapeutics Dr Vasanthi Palanivel	Healthcare	Therapeutic innovation to develop treatment for male and female infertility disorders using regenerative medicine	Bio-NEST provided wet lab space, microbiology lab, and network support with local hospitals.
Axenic Agritech Dr Arpan Modi	Agriculture	Process innovation in plant tissue culture to develop a space-saving solution for micropropagation of banana plants.	Bio-NEST provided wet lab space and molecular biology equipment support.
Bhaumik Patel	Industrial Biotech	Process innovation in microbial fermentation to produce biomolecules of great significance to healthcare, food, and cosmetics industry.	Bio-NEST provided wet lab space, network support, and guidance for fundraising.

Igniting Young Minds Lecture Series at MG Science Institute

The Igniting Young Minds programme aims to promote a culture of bioentrepreneurship among the young academic workforce in the biotech community. Arpit Shukla, Incubation Manager, Bio-NEST, discussed the biotechnology landscape and the opportunities for solving global challenges through innovation in India.

Bioskill Programme Series

The Bioskill Programme Series is aimed at empowering the academic workforce with industrially relevant skills in order to bridge the gap between academia and industry. Under this series, various workshops, including High Performance Liquid Chromatography (HPLC) and Mass Photometry in India, were conducted at Bio-NEST.

Events

DATE	TITLE
23 June 2022	IPR Workshop
8 July 2022	Know More Series: Understanding BIRAC Scheme
8 July 2022	Guidance for the 21 <sup>st</sup> BIG
13 July 2022	D2C Founders Meetup
19 July 2022	Know More Series: Value Proposition and Product Market Fit
19 July 2022	Understanding BIG Scheme: Pointers for a Successful Application
3 August 2022	How Smart Entrepreneurs Sell Their Businesses ‘THE ART OF HAPPY EXIT’
5 August 2022	Basics of the BIG programme and Writing Grant Proposals
1 September 2022	SaaS Founders Meetup
10 September 2022	Solving Global Challenges Through Biotechnology: Support System for Bioentrepreneurship in India
15 September 2022	Building a Winning Startup Team and Company Culture
19 September 2022	Lab to Market: IP Protection and Technology Transfer Plan
27 September 2022	Principles and Applications of Mass Photometry
18 October 2022	Hands-on Training Workshop on High Performance Liquid Chromatography (HPLC)
30 September 2022	Sales Strategies for Startups
7 October 2022	Workshop on SSIP 2.0
7 October 2022	UX Design Meetup in Ahmedabad
13 October 2022	Design Your Ahmedabad
21 October 2022	VentureStudio Fellowship Programme Information Session
3 November 2022	KHOJ Yatra
3 November 2022	Startup Investor Perspectives
17 November 2022	VentureStudio-eChai Demo Day
1 December 2022	D2C Founders Meetup
15 December 2022	SaaS Founders Meetup
29 December 2022	Healthcare Founders Meetup
9 January 2023	Emerging Technologies (Ideathon)
9 January 2023	How to Make a Pitch (Ideathon)
10 January 2023	Guidance for the 22nd BIG
11 January 2023	Finding Initial Customers for Your Startup
16 January 2023	Entrepreneur Journey by ‘Startup’
16 January 2023	Expert Session on Technology
13 January 2023	Understanding BIG: Pointers for a Successful Application
10 February 2023	Building Consumer Businesses
14 February 2023	Fireside Chat with Amit Panchal
16 February 2023	Fireside Chat with Vinay Mehta
24 February 2023	VentureStudio-eChai Demo Day
10 March 2023	Ahmedabad Social Entrepreneurs Meetup
21 March 2023	Fireside Chat with Jatin Chaudhary
24 March 2023	Building Winning Teams and Company Culture
14 April 2023	Fundraising for Startups
28 April 2023	Scaling up Your Startup
5 May 2023	VentureStudio Fellowship Demo Day
12 May 2023	Design Your Ahmedabad
19 May 2023	In Conversation with Nirmith Parikh, Founder and CEO, Apna
26 May 2023	Marketing Strategies for Startups and SMEs
9 June 2023	Foodpreneurs Meetup in Ahmedabad

Grants

VentureStudio provides grants to early-stage startups through various government schemes:

DST NSTEDB NIDHI Prayas Prototyping Grant

- Up to INR 10,00,000
- Startup supported: 41

DST NSTEDB NIDHI Seed Support System

- Up to INR 50,00,000
- Startup supported: 10

DST NSTEDB NIDHI Entrepreneur-in-Residence Programme

- Up to INR 3.6 lakh VentureStudio has supported
- Startup supported: 11

DBT Biotechnology Industry Research Assistance Council

- Up to INR 50,00,000
- Startup supported: 1

Student Startup and Innovation Policy 2.0

- Up to 2,50,000
- Startup supported: 3

Startup India Seed Fund Scheme by the Department for Promotion of Industry and Internal Trade

- Up to INR 50,00,000
- Startup supported: 2

HDFC CSR Funds, under its social initiative Parivartan

- Up to INR 25,00,000
- Startup supported: 2

Government of Gujarat Startup Grant

- Up to INR 30,00,000
- Startup supported: 15



# The Graduate School and the University Research Board

The activities of the Graduate School include:

- Formulating guidelines for the conduct of the doctoral programmes.
- Supporting the outreach for the graduate programmes.
- Coordinating admissions to the doctoral programme.
- Coordinating the selection of doctoral candidates for University Fellowships/ Assistantships.
- Organising the orientation programme for graduate students.
- Maintenance of doctoral students' status and progress, including dissertation evaluation management.

## Doctoral Students | Total Enrolled: 82

Full-Time: 56	Amrut Mody School of Management: 2
	School of Arts and Sciences: 34
	School of Engineering and Applied Science: 20
Part-Time:26	Amrut Mody School of Management: 13
	School of Arts and Sciences: 3
	School of Engineering and Applied Science: 10
Full-Time Students Supported: 54	Sponsored Projects/External Fellowships: 14
	University Assistantships: 36
	School Teaching Assistantship: 4
In this academic year, three students successfully defended their dissertation.	School of Arts and Sciences: 2
	School of Engineering and Applied Science: 1
Four students were awarded their PhD degrees in Convocation 2022.	

## University Fellowships and University Assistantships



Since July 2018, Ahmedabad University has instituted University Fellowships/Assistantships for full-time doctoral students that carry a tuition waiver and a stipend. Subject to satisfactory academic performance, a student continues to receive the assistantship for a maximum of four years.

For the academic year 2022-23, Ahmedabad University awarded full tuition fee waiver and financial support to all admitted full-time doctoral students. The financial support was either from University Assistantship or from sponsored projects or other fellowship schemes of the Central or State Government. University Assistantship was offered at INR 40,000 per month plus tuition fee waiver.

## Graduate Faculty Committee

The Graduate Faculty Committee has been constituted for helping and advising the Dean of Graduate School. The current committee members are:



**DEEPAK KUNZRU**  
Distinguished Professor and Dean  
Graduate School and Research  
*Chairman*



**BHARGAV ADHVARYU**  
Professor  
Amrut Mody School of Management



**SOUMEN GHOSH**  
Assistant Professor  
School of Arts and Sciences



**MAYA RATNAM**  
Assistant Professor  
School of Arts and Sciences



**RAMA RATNAM**  
Professor  
School of Arts and Sciences



**ALOK SHUKLA**  
Assistant Professor  
School of Arts and Sciences



**ADITI SINGHAL**  
Assistant Professor  
School of Engineering and Applied Science





## University Research Board

Ahmedabad University has established the University Research Board (URB) to support and promote research by faculty, students, and staff. During the academic year 2022-23, the University Research Board members were:



**Deepak Kunzru**  
Distinguished Professor and Dean  
Graduate School and Research  
Ahmedabad University  
*Chairman*



**R R Sonde**  
Visiting Professor  
Department of Chemical Engineering  
IIT Delhi  
*Member*



**Devanath Tirupati**  
Executive Provost  
Ahmedabad University  
*Member*



**Balachandran Ravindran**  
Emeritus Professor  
Institute of Life Sciences, Bhubaneswar  
*Member*



**Sanjay Chaudhary**  
Associate Dean  
School of Engineering and Applied Science  
Ahmedabad University  
*Member*



**Anirban Dasgupta**  
N Rama Rao Chair Professor  
Department of Computer Science & Engineering  
IIT Gandhinagar  
*Member*



**Tejaswini Niranjana**  
Dean, Online Programmes  
Director  
Centre for Inter-Asian Research  
Ahmedabad University  
*Member*



**Mihkel Tombak**  
Chair, Department of Management  
UTM, HATCH Chair in Technology Management and Strategy  
Institute for Management and Innovation University of Toronto  
*Member*



**Rama Ratnam**  
Professor  
School of Arts and Sciences  
Ahmedabad University  
*Member*

## Start-up Grant Proposal

The details of the Start-up and Seed Grant proposals that were awarded in the academic year 2022-23 are given below:

START-UP GRANT PROPOSALS	GRANT
<b>Mehta, M.</b> Negotiating Urbanization: Marginality, Mobility and Aspirations in Gujarat.	INR 5,70,000
<b>Mohammadian, M.</b> Ibn Sina and Contemporary Philosophy of Science.	INR 4,46,700
<b>George, N.</b> Neural and Computational Basis of Habitual Attention.	INR 23,30,000
<b>Pathak, B.</b> Deciphering molecular mechanism of calcium deficiency in peanuts and tissue culture optimization using cotyledonary node as an explant.	INR 25,00,000
<b>Rai, A.</b> Structure-function mapping of Salmonella-host cytoskeleton interactions.	INR 18,30,400

SEED GRANT PROPOSALS	GRANT
<b>Mohammadian, M.</b> Amrut Mody at the University College, London: The First Indian with a Degree in History and Philosophy of Science?	INR 2,00,000
<b>Vyas, P.</b> Impact of the Covid19- Pandemic on Sex Ratios in India: The Case of Gujarat.	INR 70,309
<b>Singh, R.</b> The Competitive Effects of R&D Tax Incentives: Evidence from India.	INR 2,30,000
<b>Kuril, S.</b> Can machines help in making organizations more humane? (Chatbots in Organizations for Bullying and Harassment).	INR 5,00,000

## International Conferences

In this academic year, the participation of 23 faculty members in international conferences was supported by the University.

## Purchase of Major Equipment

In 2022-23, the purchase of the following major equipment were approved:

SCHOOL	NAME OF EQUIPMENT	AMOUNT (INR)
School of Engineering and Applied Science	Network-Attached Storage (NAS)	15,00,000
School of Engineering and Applied Science	CNC Motion System	9,00,000
School of Arts and Sciences	Drone with optical camera and air monitoring sensors	30,00,000
School of Arts and Sciences	12 bit-resolution Oscilloscope	11,44,600
School of Arts and Sciences	NanoDrop UV-Vis Spectrophotometer	14,20,000
School of Arts and Sciences	Refrigerated Microcentrifuge	9,50,000
School of Arts and Sciences	PERD Transfer	11,40,000
	• Biosafety Cabinets	
	• CO2 Incubator	
	• Refrigerated Centrifuge with Rotors from 2-50 ml	
	• Minus 20 (Vertical)	
	• Magnetic Stirrer	
	• Balance	
	• Liquid Nitrogen Container	
	• FACS (Fluorescence assisted cell sorter)	
	• Protein Purification System with Automatic Sampler	
	• Gel Documentation System with Chemiluminescence Facility	
	• Real Time PCR	
	• 2D Gel Documentation System with 2dige Software	
	• Semi Dry Western Blot Dryer	
	• Vertical Gel Electrophoresis System (tetra) with Power Pack	
	• Horizontal Gel Electrophoresis System	



Externally Sponsored Projects

During July 2022 to June 2023, there were 37 on-going sponsored projects with a total sanctioned budget of INR 2,872.71 lakh. Out of these, 18 projects were completed in this period and 8 new projects with a total sanctioned budget of INR 421.5 lakh were approved. The details of the on-going projects are given below:

PRINCIPAL AND CO INVESTIGATORS	TITLE OF THE PROJECT	FUNDING AGENCY	AMOUNT (INR IN LAKHS)
Balaji Prakash (School of Arts and Sciences)	Establishing Center for Nanotechnology Research & Applications (CENTRA)	Gujarat Institute of Chemical Technology	890.0
Ashutosh Kumar (School of Arts and Sciences)	Establishment of a facility for environmental risk assessment of chemicals and nano materials	Gujarat Institute of Chemical Technology	43.52
Minal Pathak (Amrut Mody School of Management)	Technical Support Unit of working Group III of the intergovernmental panel on climate change - (IPCC Imperial College London)	Imperial College of Science Technology and Medicine (IPCC London)	295.83
Subhash Rajpurohit (School of Arts and Sciences)	Ramanujan Fellowship	Science and Engineering Research Board, Government of India	38.0
Ratna Ghosal (PI) (School of Arts and Sciences) Jitendra Sundaray (Co-PI) (ICAR-CIFA)	Ecological assessment of the exotic sailfin catfishes in the Indian freshwater systems and developing a species-specific molecular tool to measure their detection in the wild	Science and Engineering Research Board, Government of India	45.43
Mary Ann Chacko (PI) Leya Mathew (Co-PI) (School of Arts and Sciences) Karishma Desai (Co-PI) (Rutgers University) R Maithreyi (Co-PI) (Centre for Budget and Policy Studies) Vidya Subramanian (Co-PI) (TISS)	Addressing dissonances between education research and post market reform society	Spencer Foundation, USA	33.88
Darshini Mahadevia (PI) (School of Arts and Sciences) Minal Pathak (Co-PI) (Amrut Mody School of Management)	Opportunities for climate mitigation and sustainable development	Department of Biotechnology, Government of India	85.5
Dharmesh Varade (School of Engineering and Applied Science)	High throughput synthesis of nanoliposomes in microfluidic reactors for efficient delivery of anticancer drugs.	Board of Research in Nuclear Science, Department of Atomic Energy, Government of India	30.8
Raghavan Rangarajan (PI) Gaurav Goswami (Co-PI) (School of Arts and Sciences) Alexander Dolgov (Co-PI) (Novosibirsk University)	Cosmological dark matter, primordial black holes, Bose- Einstein condensates and charge asymmetry of the Universe	Department of Science and Technology, Government of India	40.91
Mitaxi Mehta (School of Engineering and Applied Science)	An iterated symplectic Map for understanding Hamiltonian chaos	Science and Engineering Research Board, Government of India	6.6
Leya Mathew (School of Arts and Sciences)	Shifting science identities and appropriate femininities at a Pharmacy College in India	National Academy of Education/Spencer Foundation	48.48
Krishna Swamy (School of Arts and Sciences)	Unraveling cellular re- programming underlying the evolution of hybrid vigor in introgressed yeast hybrids (Ramalinga Swamy Fellowships)	Department of Biotechnology, Government of India	113.6
Dharmesh Varade (PI) Snigdha Khuntia (Co-PI) (School of Engineering and Applied Science)	Phase behaviour and microstructures in aqueous solution of mixed surfactant systems, micellar transition foaming and microemulsion	UGC-DAE Consortium for Scientific Research, Government of India	15.0
Souvik Sen Gupta (PI) (School of Arts and Sciences) Ritobrata Goswami (Co-PI) (IIT Kharagpur)	Identification and characterization of a novel protein from Leishmania donovani with potential implication in cell death pathways	Science and Engineering Research Board, Government of India	44.29
Ratna Ghosal (School of Arts and Sciences)	Development of a pattern recognition tool to identify individual marsh crocodiles	Wildlife Conservation Society, USA	3.42

PRINCIPAL AND CO INVESTIGATORS	TITLE OF THE PROJECT	FUNDING AGENCY	AMOUNT (INR IN LAKHS)
Snigdha Khuntia (PI) (School of Engineering and Applied Science) Sameer Dalvi (Co-PI) (IIT Gandhinagar)	Synthesis of magnetic coated microcrobubbles for removal of trace pollutants	Department of Science and Technology, Government of India	38.7
Ratna Ghosal (School of Arts and Sciences) Minal Pathak Priyadarshi Shukla (Amrut Mody School of Management) William Austin (School of Geography, University of St. Andrews) Joe and Pete Smith (University of Aberdeen)	Sustainable coastal habitats, blue carbon and the challenges of net zero	Sapphire Scheme Royal Society of Edinburg, UK	7.8
Darshini Mahadevia (PI) (School of Arts and Sciences) Glyn Williams (Co-PI) (University of Sheffield) Karen Coelho (Co-PI) (Madras Institute of Development Studies) Binitha Thampi (Co-PI) (IIT Madras)	Managing Covid19- in India's cities: reshaping people's everyday lives in poorer urban neighbourhoods	The British Academy	9.85
Reena Trivedi (PI) (Nirma University) Keyur Joshi (Co-PI) (School of Engineering and Applied Science) Priyam Anilkumar Parikh (Co-PI) Jatin M Dave (Co-PI) (Nirma University)	Development of a vision-based multi-degree of freedom feeding serial manipulator for the patients suffering from neurological disorders and infectious disease (COVID19-)	Gujarat Council on Science and Technology	16.5
Sunil Kumar Singh (PI) (CSIR-NIO) Ashutosh Kumar (Co-PI) (School of Arts and Sciences) Vikrant Jain (Co-PI) Dr Vimal Misra (Co-PI) (IIT Gandhinagar) Sanjeev Kumar (Co-PI) (PRL) Dr Samir Damar (Co-PI) (CSIR-NIO)	Study of earth surface processes at three different critical zones with different climatic and geologic settings in Western India	Ministry of Earth Sciences	23.93
Pallavi Vyas (Amrut Mody School of Management)	Does information dissemination of the XY chromosome lead to lower violence against women and increase bargaining power?	J-PAL grant (Gender and Economic Agency Initiative)	55.8
Ratna Ghosal (School of Arts and Sciences)	Award for Student Fellowship	Island Foundation Trust, USA	2.21
Ratna Ghosal (School of Arts and Sciences)	Monitoring stress physiology of mugger crocodiles (crocodylus palustris) within a human-dominated landscape of central Gujarat, India	Rufford Foundation, UK	6.5
Vivek Tanavde (PI) Ashutosh Kumar (Co-PI) (School of Arts and Sciences)	Imaging and Flow Cytometry Centre at Ahmedabad University	Department of Biotechnology, Government of India	448.35
Dharamashi Rabari (School of Engineering and Applied Science)	Self-aggregation behaviour of Surfactants in novel synthesized deep eutectic solvents.	UGC-DAE Consortium for Scientific Research, Government of India	0.45
Dhaval Patel (PI) Mehul Raval (Co-PI) (School of Engineering and Applied Science) Mukesh Zaveri (Co-PI) (NIT-Surat)	Design and development of 5G enabled intelligent transportation system in Gujarat	Gujarat Council on Science and Technology	22.1
Mehul Raval (PI) (School of Engineering and Applied Science) Paawan Sharma (Co-PI) (PDEU)	Semantic person retrieval in surveillance	Gujarat Council on Science and Technology	33.18



PRINCIPAL AND CO INVESTIGATORS	TITLE OF THE PROJECT	FUNDING AGENCY	AMOUNT (INR IN LAKHS)
<b>Raghwinder Singh</b> (School of Arts and Sciences)	Development of a Free-Induction-Decay Atomic Magnetometer for Geomagnetic Applications	Science and Engineering Research Board, Government of India	<b>32.84</b>
<b>Suchismita Das</b> (School of Arts and Sciences)	Development Imaginaries, Infrastructure and Climate Subjectivities in Asia	Social Science Research Council, USA	<b>3.94</b>
<b>Bhuvan Pathak (PI)</b> (School of Arts and Sciences) <b>Subramanian Sankaranarayanan (Co-PI)</b> (IIT Gandhinagar)	Development of polyunsaturated fatty acid rich groundnut cultivars using CRISPR-Cas9 gene editing	Gujarat State Biotechnology Mission	<b>83.14</b>
<b>Vivek Tanavde (PI)</b> (School of Arts and Sciences) <b>Dhiraj Bhatia (Co-PI)</b> (IIT Gandhinagar)	Development of a nano liposomal formulation for targeting chemoresistant oral cancer stem cells.	Gujarat State Biotechnology Mission	<b>34.8</b>
<b>Aditya Prakash Kanth (PI)</b> <b>Neel Kamal Chapagain (Co-PI)</b> <b>Ioannis Poullos (Co-PI)</b> (Amrut Mody School of Management)	The Living Heritage of Vadnagar: Documentation and Comparative Analysis	Directorate of Archaeology and Museums, Government of Gujarat	<b>38.27</b>
<b>Rama Ratnam (PI)</b> <b>Asim Rai (Co-PI)</b> <b>Krishna Swamy (Co-PI)</b> (School of Arts and Sciences)	Cellular and Molecular Imaging Centre at Ahmedabad	Department of Scinece and Technology, Government of India	<b>239.0</b>
<b>Minal Pathak</b> (Amrut Mody School of Management)	Feasibility assessment of carbon capture and storage (CCS) projects in Gujarat	Climate Change Department, Government of Gujarat	<b>15.0</b>
<b>Dharamashi Rabari (PI)</b> (School of Engineering and Applied Science) <b>Dr Sanjay Patel (Co-PI)</b> (Nirma University)	Investigations of Deep Eutectic Solvents as Catalyst for Cyclo-addition of CO2 to Propylene Oxide: Quantum Calculations and Experimental Verification	Gujarat Council on Science and Technology	<b>17.85</b>
<b>Mary Ann Chacko (PI)</b> (School of Arts and Sciences) <b>Madhumita Biswal (Co-PI)</b> (Sambalpur University)	Gendered Citizenship: Under standing Everyday Politics of the Marginalized	Association of Asian Studies	<b>7.24</b>

Compared to the previous year, more collaborative projects with other academic institutions were submitted to external agencies. It is expected that this will help in attracting more research funding and also aid in showcasing the research capabilities of our faculty to others. We expect such collaborative projects with academic institutions and industry to grow further in the coming years.

## University Grants Office

The Grants Office at Ahmedabad University provides administrative assistance and guidance in proposal preparation, proposal submission, and oversight of all financial and non-financial aspects of the grants. It has developed a portal for facilitating seamless processing of pre-application and post-award requirements of both externally-funded and internal grants. It also publishes a quarterly research newsletter, Research Horizons, with information of relevance to research and a monthly research compendium giving information on funding opportunities. The newsletter features a series called 'In Conversation With', which includes interviews with colleagues from Ahmedabad University about their career paths, research interests, collaborations, and research funding. These articles are curated for non-specialist readers and aim to provide collegiate insights into research funding.

## Events

ACTIVITY	FACILITATOR	DATE
Grants Writing Workshop	Madhavan Nair Chalat Grants Manager Ahmedabad University	14 September, 2022
Support for International Research Collaboration from HFSP	Guntram Bauer Director, Science Policy and Communications	13 February, 2023

## Ethics Committee

This committee meets regularly to certify that a research proposal does not violate the Code of Ethics of the University and also adheres to the regulations of the Government of India, especially for research involving humans, animals, and bio-related projects. In 2022-2023, 15 proposals were granted ethical approval by this committee.

<b>Deepak Kunzru</b> Distinguished Professor and Dean Graduate School and Research <i>Chairperson</i>	<b>Amit Nanavati</b> Professor School of Engineering and Applied Science <i>Member</i>	<b>Ekta Sharma</b> Associate Professor Amrut Mody School of Management <i>Member</i>
<b>Ratna Ghosal</b> Assistant Professor School of Arts and Sciences <i>Member</i>	<b>Urmi Biswas Nanda</b> Professor School of Arts and Sciences <i>Member</i>	
<b>Ashwin Kumar</b> Director, Centre for Learning Futures Associate Professor, Amrut Mody School of Management <i>Member</i>	<b>Rama Ratnam</b> Professor School of Arts and Sciences <i>Member</i>	

## Institutional Biosafety Committee

Institutional Biosafety Committee (IBSC) is an internal regulatory committee created under the guidelines of the Department of Biotechnology, Government of India. IBSC reviews all research activities involving biohazardous substances, and has the overall responsibility for maintaining the biosafety guidelines within the University. Following the guidelines of IBSC, it is the duty of the primary investigator (PI) to apprise the IBSC about experiments involving biohazardous substances. The PI needs to obtain approval from IBSC prior to conducting similar experiments within the University premises.

The Committee Members of the Institutional Biosafety Committee are:

<b>Vivek Tanavde</b> Associate Professor School of Arts and Sciences <i>Chairman</i>	<b>Dhiraj Bhatia</b> Assistant Professor IIT Gandhinagar <i>External Expert</i>	<b>Rama Ratnam</b> Professor School of Arts and Sciences <i>Internal Member</i>
<b>Chaitanya G Joshi</b> Director Gujarat Biotechnology Research Centre, Gandhinagar <i>DBT Nominee</i>	<b>Gayatri Raval</b> University Doctor Office of Dean of Students <i>Biosafety Officer</i>	<b>Krishna Swamy</b> Assistant Professor School of Arts and Sciences <i>Internal Member</i>
<b>Ratna Ghosal</b> Assistant Professor School of Arts and Sciences <i>Member Secretary</i>	<b>Souvik Sen Gupta</b> Assistant Professor School of Arts and Sciences <i>Internal Member</i>	



# - The Undergraduate College

The Office of the Dean of the Undergraduate College oversees the philosophy, structure and implementation of undergraduate programmes working with the Schools towards the overall enhancement of the University experience of the students. It contributes to building a student-centric environment by continuously engaging with the students and enabling them with opportunities for academic growth. The Office also recommends new academic policies or suggests revisions for existing policies, based on feedback from students and faculty.

The Undergraduate College launched the first edition of Capstone Projects for final year undergraduate students in Monsoon 2022. Capstone projects are real world problems that require an interdisciplinary team to solve these problems. Such problems could be identified by students themselves, faculty, and University administration. We also sourced problems from start-ups, small and medium enterprises and NGOs like SEWA.

This year we welcomed four new students to our Mahatma Gandhi Scholars Programme

**Anoushka Chakraborty**, BA (Hons) Psychology;

**Dia Rajpurohit**, BA (Hons) Philosophy, History and Languages;

**Joban Pallav Gharekhan**, BA (Hons) Social and Political Sciences; and

**Nikita Arya**, Integrated MS in Life Sciences.

The highly prestigious Scholarship seeks to bring the best minds and talent across the country to Ahmedabad University.



# Foundation Programme

Our award-winning Foundation Programme for first-year students is the bedrock of interdisciplinary learning at Ahmedabad University and enables students to engage with issues of society through project-based learning. It is built around six domains of knowledge related to areas of innovation that are transforming the world, perspectives that help one become a responsible member of society, and contemporary academic and life skills that are essential in the 21<sup>st</sup> century. These Domains of knowledge that define the Foundation Programme are:

**Materials, Biology and Life, Behaviour, Constitution and Civilisation, Data, and Communication.**

The delivery of these areas was done through Thematic Studios to develop among our students a holistic approach to thinking and enquiry. In 2022-2023, the following Studios were offered:

**Democracy and Justice, Environment and Climate Change, Neighbourhoods, and Water**

Each Thematic Studio topic was delivered through an application area thereby creating interdisciplinary learning. For instance, certain topics studied in the Water Studio included inputs from Biology and Life, Behaviour, Data, and Communication. The students thus learned that many knowledge systems are required to solve challenging problems. Students in a Studio first identified issues relevant to its theme, understood the various dimensions of these issues, analysed the related data, and considered solutions.

# - Student Volunteer Programme

All our Undergraduate and Integrated Master's students are required to complete 30 hours of engagement with society as a prerequisite for graduation. One of the objectives of this social service requirement is to build a value for action in the lives of our students. This is achieved through a mandatory course, *VOL100: Engagement with Society*, coordinated by the Student Volunteer Programme.

INSTITUTION	OBJECTIVE
Jivdaya Charitable Trust	Animal welfare
Upraant Foundation	Reduction of the global carbon footprint; women empowerment
High on Life Foundation	Anti-drug addiction campaigning
Humankind	Creation of learning resources for students from under-resourced schools
Khoj Museum	Science education
Prabhat Education Foundation	Special needs education
TIDE Foundation	Generation of teaching materials
Gyan Prakash Charitable Trust	Education of underprivileged children
Shwas Charitable Trust	Education of slum children
aProCh	Creation of a child-friendly city
Centre for Environment Education	Environmental awareness

Post-pandemic, on-field volunteering and reflection meetings started allowing students a richer experience of community service. This helped them to be more sensitive to social issues and gave them the opportunity to serve others in real time. Having received experiential learning after volunteering for 30 hours, many students choose to be actively associated with the organisations and effectively contributing to the cause.



## Undergraduate Research Programme

In 2022-23, 142 students participated in 58 Undergraduate Research Programme (UGRP) projects with 33 faculty members. UGRP provides an opportunity to undergraduates from all disciplines to gain a lifetime experience through mentored research. It also aims to provide undergraduate students with the opportunity to explore a new field of knowledge, including an interdisciplinary domain.

### Privatisation and Takeover of Indian Airlines by Tata Group

Objective: To identify the problems and the strategic moves by the Tata Group to turn around Indian Airlines

### Authentic Leadership and Psychological Capital

Objective: The project required administering a survey to collect data from a target sample of working professionals across India fostering positive self-development.

### Impact of Covid-19 on Sex Ratio

Objective: To examine the impact of Covid-19 on the sex ratio in Gujarat due to limited access to abortions and ultrasound clinics.

### Behaviour of Crypto Currencies and FinTech Companies

Objective: To examine the behaviour of cryptocurrencies and FinTech companies using various metrics through collecting secondary data, organising the data, and assisting in the literature survey.

### Economic Model for Estimating Potential for Financial Services for Indian Villages

Objective: To compute an index for each village that would reflect and quantify its potential for banking services.

### Gratitude

Objective: To analyse the impact of gratitude on employee engagement, job satisfaction, and employee retention at the workspace.

### Creating a Digital Presence for Gandhian Literary Cultural Heritage with Navajivan Trust's Publishing House

Objective: To contribute to the digital preservation of existing literature underscoring the relevance and the need for preservation of traditional mediums of knowledge and media.

### Need Analysis for Emotional Health and Wellbeing for Student-Led Technology Based Interventions

Objective: This project aims at using digital

technologies efficiently and cost effectively to provide health services and enhance social support.

### Hand-Written Email Application

Objective: To develop a specialised application that allows users to write and send 'hand-written' email messages created using a finger or a stylus pen on a mobile device.

### Effect of Induction Heating on Temperature and Force Characteristics in Rotary Friction Welding of Mild Steel Rods

Objective: To investigate the microstructure evolution in rotary friction welds as a result of varying processing conditions and write a research article.

### Internet of Bio-Nano Things (IoBNT)

Objective: To leverage molecular communication and IoBNT for disease prediction.

### Intelligent Transportation System (ITS)

Objective: To develop smart traffic management systems that utilise real-time data from sensors and cameras to optimise traffic flow, reduce congestion, and improve overall transportation efficiency.

### IoT Based Air Quality Sensor Network

Objective: To work on IoT-based Air Quality Index measuring instruments deployed on Campus, understand the physics behind their measurement technique, and use programming tools to communicate, control, and monitor the instrument. They also developed data logging and visualisation interfaces.

### Air Quality Sensors and Their Intercomparison

Objective: To work on multiple air quality sensors, study their measurement techniques, and do a scientific inter-comparison of them under different environmental conditions and analyse the data using statistical techniques.

### Gathering Data on Dengue and Malaria Infection/Deaths in Ahmedabad

Objective: This project aims at gathering data on dengue and other vector-borne diseases.

### Cloud-Based Centralise Data Repository for a Large IoT-based Sensor Network

Objective: To work on a city-scale low-cost sensor network, develop programmes for sensor identification, data mapping, and data logging that include provisions for alternate data backup, data identification, management, and data statistics generation.

### Centralise Monitoring of IoT-based Low-Cost Sensors Using the LoRaWAN

Objective: To work on LoRaWAN (low power wide area networking) technique to connect a network of low-cost sensors deployed on Campus and log data on a centralised server.

### Creating Math Art

Objective: To develop and print 3D models of mathematical objects that can be integrated into and enhance traditional pedagogy in mathematical courses such as Linear Algebra, Calculus, Differential Calculus, Differential Geometry, etc., and to assist students and researchers in visualising these concepts.

### Experimental Evolution of Hybrid Vigor

Objective: To use experimental and theoretical techniques to investigate the key biological pathways that are required for the evolution and establishment of the hybrid vigour phenotype.

### Effect of Temporal Regularities on Distractor Suppression

Objective: To study human visual attention through various experiments.

### Development of Compact Saturation Absorption Spectroscopy Setup

Objective: To design a compact saturation absorption spectroscopy (CoSy) setup using commercial computer-aided design and drafting software such as AutoCAD or SolidWorks.

### Understanding Ecological Adaptation Strategies of Mugger Crocodile (Crocodylus Palustris) Populations Across Diverse Habitats Within the State of Gujarat, India

Objective: To generate data on baseline levels of reproductive behaviours and endocrine physiology for Mugger Crocodiles to compare and contrast the strategies with wild muggers. Offered by: Ratna Ghosal, Assistant Professor, School of Arts and Sciences

### Feeding Behavior and Preference of Exotic Sailfin Catfish

Objective: To understand the feeding preferences of the catfish in conspecific and hetero-specific groups.

### Alarm Behaviour in Native Cichlid, Etroplus Suratensis

Objective: To understand choice behaviour and if a fish can differentiate between its species and others.

### Scorpion Biogeography and Venom Composition

Objective: To collate and synthesise peer reviewed information on (a) the distribution of scorpions in western India, particularly that of Gujarat and Rajasthan states, and (b) the components of scorpion venom, particularly of species found in the Indian subcontinent and the Middle East.

### Design of an Expanding Plasma System for Double Layer Studies

Objective: To design an expanding plasma system allowing students the opportunity to hone their design capabilities.

### Role of N-Ladder Rc Network for Changing the Frequency of A Phase-Shift Oscillator

Objective: To conduct experiments and theoretical (matrices) calculation to identify the dependence of frequency on RC networks.

### Isolation of Plasma and Saliva Derived Cell Free Dna for Risk Prediction of Oral Cancer Patients

Objective: The project involves the isolation of cfDNA from patient plasma and saliva samples and investigating whether these cfDNA fragments can be used for early detection of oral tumours.

### Molecular Evolution of Voltage Gated Ion Channels

Objective: To develop methods to map the evolution of ion channel proteins from primitive animals of parahoxozoan lineages to vertebrates. This will provide us insight into how different types of ion channels can work together and facilitate smooth functioning of an organism.

### Development of Data Acquisition Platform for Tobii Eye Tracker

Objective: To develop an open source data acquisition platform that can be used for collecting eye movement data.



## — Capstone Projects

Our Capstone Projects are done in interdisciplinary teams of 4-6 students led by a faculty member. In 2022-23, 478 students participated in 84 Capstone Projects (both internal and external) mentored by 64 faculty. 44 Projects had students from at least two different Schools involved.

## — Mahatma Gandhi Scholars Programme

The Mahatma Gandhi Scholars programme provides:

- Depth and breadth of educational experiences beyond the existing curricular requirements through intensive academic projects
- High levels of engagement with Faculty, Deans, and distinguished visitors from Academia, Government and Industry
- Participation in quasi-curricular programmes to stimulate research, promote independent inquiry and encourage curiosity in academic and non-academic endeavours
- Engagement with Indian societal issues with a definite action-oriented plan
- Summer internship experiences
- Mentorship while applying for graduate studies in India and abroad, and
- A Significant Scholarship



## — Office of International Affairs

Integrating a global perspective is critical to a high-quality 21st-century education. The Office of International Affairs improves and expands the University's internationalisation agenda by cultivating a culture of global citizenship and leadership at the University. We work on broadening and deepening collaborations with international universities enabling exposure to worldwide learning and opportunities for our students, researchers, and faculty. These opportunities complement the intercultural competence and skills Ahmedabad students gain on Campus.

In the past year we organised over 20 engagements including student information sessions, visits by international university delegations, and interactions with Embassies and High Commissions. We conducted an international social entrepreneurship workshop that emphasised design thinking and integration of the Sustainable Development Goals in collaboration with the University of Surrey. The Office facilitated students' participation in global summer programmes and immersions.

### — Events

#### Indian Ambassadors' Visit

Indian Ambassadors to Ghana, Angola, Kyrgyzstan, Vietnam, and Mozambique, visited our Campus to discuss research collaborations and student exchange programmes.

#### Fulbright Delegation from Clemson University

A delegation of Fulbright Hays scholars from Clemson University visited our Campus to understand the Indian education system. Besides discussions with the University leadership, the Office had them engage with current US Fulbright scholars and Indian Fulbright alumni based in Gujarat.

#### Convention for Strategising and Transforming Higher Education in India and beyond at Washington DC

Vice Chancellor Pankaj Chandra participated in a workshop on strategising and transforming higher education in India supported by the Embassy of India in the USA. The workshop, held in Washington DC, was attended by Indian leaders of Higher Education Institutions and US-based academic leaders.

#### International Semester Exchange

Seven students from Ahmedabad University participated in the semester abroad programme at leading universities in Europe and Asia. This number is set to grow as we have established new partnerships with global universities like ECAM La Salle in France, National Central of Taiwan, and the University of Vaasa, Finland.

#### US Department of State's SUSI Programme

Four students from Amrut Mody School of Management were selected to participate in the 2022 Study of the United States Institutes (SUSI) programme. The SUSI is a prestigious US Department of State funded programme that brings young international leaders to the country to experience and understand the US institutions, politics, and economy. The students were hosted for five weeks by universities across the US, including an academic residency, an educational study tour to another region of that country, and opportunities for participants to engage with American peers. The Programme also included community service activities and leadership development.





International Admits to Global Educational Institutions

Each year our students secure admissions to the world’s leading universities across the globe, including Carnegie Mellon, University of Texas at Austin, Stanford University, Monash University, and the University of Warwick, among others, in the USA, Canada, Germany, UK, and Australia. Here is a list of some of these institutions:

Amrut Mody School of Management

Babson College, USA  
Boston College, USA  
Boston University, USA  
California State University Long Beach, USA  
Cardiff University, UK  
CraneField University, UK  
Deakin University, Australia  
Exeter University, UK  
George Washington University, USA  
Griffith University, Australia  
Hult International Business School, USA  
King’s College London, UK  
La Trobe University, Australia  
Lakehead University, Canada  
Lancaster University, USA  
Macquarie University, Australia  
Monash University, Australia  
Queen Mary University, UK  
Queensland University of Technology, Australia  
Royal Holloway, University of London, UK  
Santa Clara University, USA  
SDA Bocconi, Spain  
State University of New York, Buffalo, USA  
Stevens Institute of Technology, USA  
Swinburne University of Technology, Australia  
Temple University, USA  
University of Adelaide, Australia  
University of California, San Diego  
University of Dayton, USA  
University of East London, UK

University of Exeter, USA  
University of Edinburgh, UK  
University of Greenwich, UK  
University of Illinois, Urbana Champaign, USA  
University of Leeds, UK  
University of Liverpool, UK  
University of Maryland, College Park  
University of New South Wales, Australia  
University of Queensland, Australia  
University of Southampton, UK  
University of Surrey, UK  
University of Technology, Sydney  
University of Texas, Dallas, USA  
University of West London, UK  
University of Westminster, UK  
Warwick Business School, UK  
York University, Canada

School of Arts and Sciences

Carnegie Mellon University, USA  
Conestoga College, Canada  
Johns Hopkins University, USA  
London School of Economics and Political Science, UK  
Loughborough University, UK  
Monash University, Australia  
New York University, USA  
Northeastern University, USA  
School of Oriental and African Studies, UK  
Texas A&M University, USA  
University College London, UK  
University of Aberdeen, UK

University at Buffalo, USA  
University of California, Davis, USA  
University of Maryland, USA  
University of Texas, Dallas, USA  
University of York, UK

School of Engineering and Applied Science

Arizona State University, USA  
California State University, Fullerton, USA  
Dalhousie University, Canada  
Deakin University, Australia  
George Washington University, USA  
Georgia Institute of Technology, USA  
Imperial College London, UK  
Lambton College, Toronto, Canada  
New York University, USA  
North Carolina State University, USA  
Northeastern University, USA  
Stevens Institute of Technology, USA  
University of Florida, Gainesville, United States  
University of Southern California, USA  
University of Texas, Arlington, USA  
University of Texas, Austin, USA  
University of Texas, Dallas, USA

Career Development Centre

The Career Development Centre guides and prepares students for career success by providing significant resources to explore, discover, develop, and pursue their personal and professional goals. It not only facilitates students’ connection to the corporate world aligning to their goals but is also committed to working with students at all levels of their career aspirations. It also functions as the nodal office for the University’s corporate relations.

The Centre works closely with students via a Student Committee. Member students represent the interest of students and act as a bridge between the student community and the Centre.

Activities conducted by CDC help students work on areas of development and build their career.

These activities include:

- Career Counselling & Guidance,
- Skill Development Training,
- Internship & Placement Coordination,
- Career Mapping,
- Industry Interactions,
- Organising Networking Events

Industry Engagement

This year, we had many industry leaders visiting and engaging with Ahmedabad students, including:

- S&P Global - Nischal Patel, MD and Head, Data Operation
- Smytten - Siddharth Nangia, CEO, and Tamanna Dhattiwala, Head HR
- Dabur India - Richa Gupta, Head HR (West)
- Medkart Pharmacy - Parasharan Chari, Co-Founder
- IDFC First Bank - Alfred Mendes, National Resource Management Lead
- HDFC Bank - Dhaval Parekh, Cluster Business Head
- Amuse Labs - Jaya Hangal, CTO
- ICICI Prudential - Ankit Gandhi, AVP (HR)
- Quicko FinTech - Vishvajit Sonagara, Founder

Career Counselling, Assessment and Development

Career Development Centre organises and facilitates events and programs to build students’ capabilities and job readiness. These span career orientation workshops, seminars on higher education, corporate interactions, alumni talks, career counselling sessions using psychometric assessments, placement and internship training, including aptitude and technical tests and personal interview mock-ups.





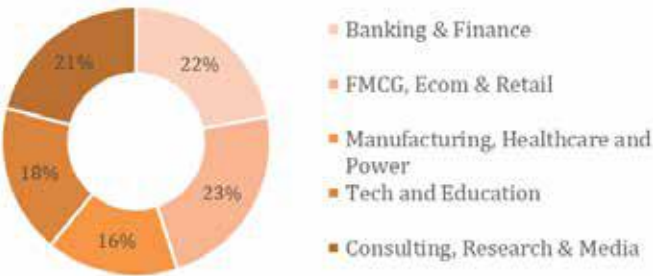
## Campus Placements (till October 1, 2023)

CAMPUS PLACEMENT	ACADEMIC YEAR 2022-23
Student Participated in Placement	132
Total Students Placed	125
Percentage Placed	95%
Undergraduate	90
Graduate	35

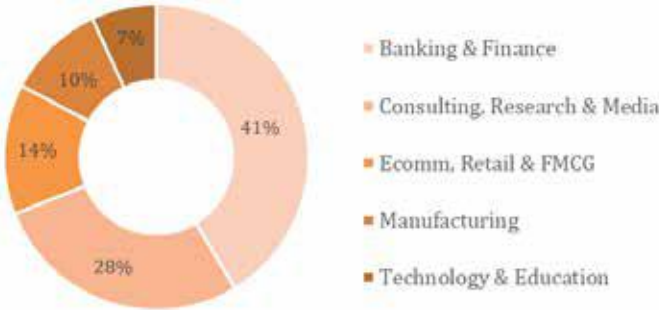
GRADUATING STUDENTS	ACADEMIC YEAR 2022-23
Jobs	31%
Higher Education	45%
Family Business	6%
Preparing for National Exams	18%

CAMPUS PLACEMENT	UNIVERSITY	ENGINEERING	MANAGEMENT GRADUATE	MANAGEMENT UNDERGRADUATE
Students Placed	95%	96%	97%	89%
Recruiters on Campus	167	83	62	22

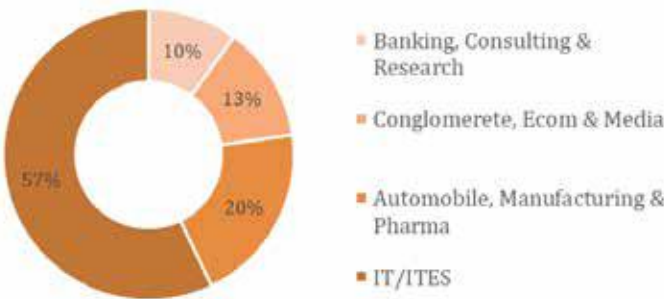
Placement 2023 - Management - Graduate



Placement 2023 - Management - UnderGraduate



Placement 2023 - Engineering



## Corporate Relations

150+ companies engaged with Ahmedabad University to offer Projects, Internships and Career opportunities. The indicative list is as follows:

360tf	Eques Capital	Research	Quicko
Avenir	Equirus	Khimji Ramdas (India & Oman)	Radio Mirchi
ABB	Evosys - A Mastek Company	Knowcraft Analytics	Ratnamani Metals
Accenture	Extramarks Education	Korn Ferry	Reelo
Adani Group	EY India	Kotak Foundation	Reliance Group
Aditya Birla Fashion & Retail	Federal Bank	Kotak Mahindra Bank	rtCamp
AGS Health	Forbes Marshall	KPMG	S&P Global
Amara Raja	Grant Thornton	Kurlon	Sajjan Industries
Amuse Lab	Gemba Concepts	Linde	Sapio Analytics
Arvind Ltd	Genuin Inc	Maqure Ventures	Sattva Consulting
Asian Paints	Godrej & Boyce	Maruti Techlabs	Shipmnts
Asite Solutions	Goldman Sach	Maxim Integrated	Siemens Energy
Assa Abloy	Great Place to Work	Maxxis Rubber	Simpolo Ceramics
Atul Limited	GSFC Limited	Mckinley & Rice	Smytten
Awaaz De	Hansa Research	Medkart Pharmacy	Source One
Bank Of America	Harsha Engineers	Merkle Sokrati	StemPedia
BDO Rise	HashedIn (by Deloitte)	Microfinance	Svatantra MHFC (Aditya Birla)
Berger Paints	Hashedin by Deloitte	Moglix	Symphony
BigBasket	HCL Technology	Motadata	Tata AIA Life Insurance
Biznovare	HDFC Bank	Motherson Sumi	Tata Consultancy Services
Blackstone	HDFC Life	Motilal Oswal	Tatvic Analytics
BlueStar	Healthark Insights	MRF	The Stelema
Bombay Software	Hexaware Technologies	Myntra	Toddle
Bosch Rexroth	Home First Finance Company	Netmeds	Torrecid India
Byjus	IBM	Nielsen IQ	Torrent Group
Cargill	ICICI Prudential	Nirma	Trilogy Innovation
Carwale	IDFC First Bank	Niti Aayog	Urban Management Centre, Pattani Archives
Celebal Technologies	Info Edge (Naukri.com)	Niyantras	UST BlueConch
Centre for Monitoring Indian Economy	Infosys	NSL Hub	Vayana Networks
Centre for Development Policy and Practice	inFocusP	Null Innovations	Vedanta Resources
Centre for Public Policy and Research	Infor	Panamax	VeloxCore
CMIE	Injala	Peak Ventures	Verity Knowledge Solutions
Chqbook	Interality	People's Archive of Rural India	Vishakha Polyfab
Cogitate Technology	IRM Energy	Playpower Labs	WageIndicator
Continental	Ishitva Robotics	Policy and Development Advisory Group	Wipro
Dabur India	ITC	PNB Gilts	Wifpli
Daimler India	Jaro Education	Prakash Chemicals	Yuva Unstoppable
Data Insights	Jio Platforms	Proclink	Zydus Life
DxFactor	Junomoneta Finsol	Public Affairs Centre	
Edelweiss	JustDogs	PwC	
	KGMS Broking &		



# Office of Alumni Affairs

The Office of Alumni Affairs fosters lifelong connections between Ahmedabad University and alumni. We organise alumni events, reunions, and networking opportunities to keep our alumni engaged and informed about Campus developments. We support our alumni in their higher education and career pathways, and also reach out to our network for mentorship of existing students, knowledge sharing, and fundraising to benefit the future generations.



## Live Projects

### Aashil Modi

BBA (Class of 2009)

Hosted students for a live project for research on establishing the business potential of citric acid at his organisation, Dimensions 360.

### Raj Shah

BCom (Class of 2017)

Hosted students for a live project at his startup, Redicine Medsol, as part of the Financing for Startups course to develop a financial model.

### Mihirsinh Parmar

BCom (Class of 2006)

Hosted students for a live project at his startup, Skillspire, as part of the Financing for Startups course to develop a financial model.

### Kashyap Sanghani

BBA (Class of 2014)

Hosted students for a live project at his company, JustDogs, to understand the functioning of retail stores in a niche industry.

Amrut Mody School of Management offers Route Camp projects for the students of our MBA Programme. The Route Camp is an academic project of 12 credits in which the organisation selects a real business issue that needs solving. The organisation and the University together develop the project objectives, expected outcomes, and deliverables, thus tailoring an experiential learning module that ensures our MBA graduates are industry-ready.

This year, the following alumni came forward to provide Route Camp projects to three student groups.

### Dharini Shah

BCom (Class of 2017)

Owner, Creatoons

### Nikesh Kothari

Integrated MBA (Class of 2021)

Owner, JK Distributors

### Mohit Mardia

BCom (Class of 2007)

Owner, Grace Castings

## Alumni Engagement at VentureStudio

### Nikki Thakrar and Kunal Vyas

BTech in Mechanical Engineering, Class of 2019

Nikki and Kunal have received the Entrepreneur-in-Residence and Nidhi Prayas grant through VentureStudio for their startup called ShinUp (Heavily Automation Pvt Ltd). They are actively engaged at PrayasShala in building their prototype.

## Alumni in Conversation

### Esha Shah

BCom, Class of 2013

### Neel Vora

BBA, Class of 2013

Co-Founders, Maisha Lifestyle

The Office, in collaboration with the Entrepreneurs' Club, organised a panel discussion with the founders of the Shark Tank-featured lifestyle startup, Maisha Lifestyle, and Neha Desai, Director, Office of Alumni Affairs and Advancement. Maisha has been co-founded by Esha Shah and her husband Neel Vora along with Esha's father Nayan Shah.

### Sanskriti Kharra

BCom, Class of 2013

Master of Interaction Design, Monash University, Australia

The Office invited Sanskriti Kharra to guide students on higher education at Monash University, Australia.

## Events and Activities

### The Alumni Series – Eighth Conversation – January 25, 2023

Jay Doshi, BTech in Mechanical Engineering, and Abhik Modi, BTech in Information and Communication Technology, Class of 2019, interacted with students speaking about the opportunities and challenges of the energy sector. Jay holds a Masters in Renewable Energy Engineering and Management at the University of Freiburg and Abhik has a Masters in Applied Data Science from the Frankfurt School of Finance and Management. Both are currently working at RWE Renewables in Germany. As a Project Development Optimisation Manager, Jay is involved in early-stage project development in Offshore Renewables (including Wind, Solar, and Batteries technologies) while Abhik as Junior Data Scientist develops digital products for the company to be used in power plants to help them become more efficient.

### The Alumni Series – Ninth Conversation – March 9, 2023

Ratnesh Shah, BTech in Information and Communication Technology, Class of 2018, and Rushita Thakkar, BTech in Information and Communication Technology, Class of 2018, spoke about the opportunities in higher education and career pathways in the US. Ratnesh holds a Masters in Information Systems Management from Carnegie Mellon University, USA. He is in charge of overseeing deployments across all key Microsoft cloud services, while maintaining high uptime and security as a member of the Global Orchestration team within Azure Core. Rushita completed her MS in Computer Science from Arizona State University, USA. She is currently working with VMware Inc, Palo Alto as a Member of Technical Staff under VMware Performance Analytics R&D Org.

### The Alumni Series – Tenth Conversation – March 22, 2023

Rustom Dalal, BCom, Class of 2012, who was visiting us from Ireland, spoke about his involvement with the Honduras Child Alliance, and made students see the importance of giving back to society. Recently, he has been appointed as the Director of Transfer Pricing at Deloitte, Ireland.



— Alumni Achievements

ALUMNI	ACHIEVEMENT
<b>Aayush Shah</b> BCA (Class of 2019)	Received the Chairman's Award for Innovation in Administration on Ahmedabad University's 14 <sup>th</sup> Foundation Day.
<b>Abhi Halari</b> BBA (Honours) (Class of 2022)	Joined one of the leading housing and development firms Woda Cooper Companies Inc., Ohio, USA, as a Financial Analyst.
<b>Akhila Kalesh</b> BBA (Class of 2021)	Joined Ogilvy, Mumbai, as an Account Executive.
<b>Amrita Bihani</b> BBA (Class of 2002)	Received the Chairman's Award for Excellence in Teaching on Ahmedabad University's 14 <sup>th</sup> Foundation Day.
<b>Anirudh Sarda</b> BCom (Class of 2006)	Honoured as Equalifi's 40 under 40 Alternative Investment Professionals in India as Head of Equity Investments (Asia) at Oikocredit.
<b>Anoushka Chati</b> BBA (Class of 2020)	Joined Warwick Manufacturing Group, University of Warwick's Masters in Business Excellence, Business Administration and Management in General. Received the WMG Excellence Scholarship for the master's programme.
<b>Anoushka Shah</b> BBA (Class of 2020)	Joined the Masters of Management Studies: Foundations of Business programme at Fuqua School of Business, Duke University.
<b>Arth Modi</b> BTech in Mechanical Engineering (Class of 2021)	Joined Indian Institute of Management Bangalore's MBA Programme.
<b>Dhaivat Jani</b> BCom (Class of 2012)	Received the Yamaha Canada Music Ltd Award.
<b>Dhruv Parikh</b> BTech in Mechanical Engineering (Class of 2021)	Joined the University of Pennsylvania's MSE Robotics programme. He is working in the General Robotics, Automation, Sensing & Perception (GRASP) Lab at the University.
<b>Divye Kanawala</b> BCom (Class of 2016)	Joined Delft University of Technology's Master of Science in Sustainable Energy Technology Programme
<b>Foram Shah</b> BBA (Class of 2020)	Joined Goldman Sachs as an Analyst in the Multi-Asset Solutions team, Bangalore.
<b>Hailey Desai</b> Integrated MS in Life Sciences (Class of 2021)	Joined Google, Bangalore as Community Manager.
<b>Harsh Shah</b> BBA (Honours) (Class of 2022)	Joined King's College London's International Management programme.
<b>Harshit Maheshwari</b> BBA (Honours) (Class of 2022)	Joined Indian Institute of Management Sirmaur's MBA programme.
<b>Hasti Modi</b> BBA (Honours) (Class of 2020)	Awarded as Earth Day Network Rising Star 2023 by EarthDay.org.
<b>Hima Ashar</b> BBA (Honours) (Class of 2022)	Secured admission to Warwick Business School's MSc in Finance and Business Analytics Programme, a year-long programme with a mandatory internship in the last three months.
<b>Hridit Jobanputra</b> BBA (Honours) (Class of 2021)	Joined the University of Technology Sydney's Master of Sport Management programme.
<b>Kush Khorana</b> BBA (Honours) (Class of 2021)	Joined Indian Institute of Management Kashipur's MBA programme.
<b>Manya Shah</b> Integrated MS in Life Sciences (Class of 2022)	Joined Johns Hopkins University's Master of Science in Biotechnology (Regenerative and Stem Cell Technologies) programme.
<b>Nakul Sharedalal</b> BCom (Class of 2005)	Awarded as the 'Top IP Lawyer' by the Asian Legal Business, India, for three successive years from 2022-2020.
<b>Preet Desai</b> BS (Honours) in Life Sciences (Class of 2022)	Joined Northeastern University's Masters in Biotechnology programme.
<b>Pushti Mehta</b> BS (Honours) in Life Sciences (Class of 2022)	Joined the Georgia Institute of Technology's MS in Bioinformatics.
<b>Raj Shah</b> BCom (Class of 2017)	Nominated for the AACSB 2023 Influential Leader Award and interviewed by AACSB Insights, about his startup Redicine Medsol.
<b>Rakshita Agarwal</b> BBA (Honours) (Class of 2021)	Joined Indian Institute of Management Lucknow's flagship MBA in Agribusiness Management.
<b>Razin Mansuri</b> BTech in Information and Communication Technology (Class of 2022)	Joined Indian Institute of Management Kolkata's MBA programme.

ALUMNI	ACHIEVEMENT
<b>Rushabh Pathak</b> BTech in Mechanical Engineering (Class of 2019)	Joined Columbia University's MS in Earth and Environmental Engineering.
<b>Saif Siddiqui</b> Master of Management Studies in Heritage Management (Class of 2020)	Was part of a team of Aga Khan Project in Hyderabad that won UNESCO's Asia Pacific Heritage Award.
<b>Tathy Shah</b> BTech in Mechanical Engineering (Class of 2022)	Joined the University of Michigan's MS in Mechanical Engineering.
<b>Vidit Vaywala</b> BTech in Information and Communication Technology (Class of 2022)	Joined the University of Maryland's MS in Information Systems programme.

— Alumni Engagement with Student Clubs

ALUMNI			ENGAGEMENT
<b>Ishika Bhasin</b> BS (Honours) (Class of 2022)			Led a trek to Bakor Nature Camp with the Fitness Club and the University's Wellness Centre.
<b>Apurva Jain</b> MBA (Class of 2017)	<b>Mili Sharma</b> MBA (Class of 2018)	<b>Disha Shah</b> BBA (Class of 2017)	
<b>Shahrukh Solanki</b> BBA (Class of 2014)	<b>Tanmay Shah</b> BBA (Class of 2014)	<b>Elvern Fernandes</b> BBA (Class of 2014)	Participated in the Treble Desk 4.0 organised by the Music Club in February 2023.
<b>Jainam Zinzuvadiya</b> BBA (Class of 2017)			
<b>Karan Patel</b> BCom (Class of 2005) Director, Addwrap Packaging Private Limited	<b>Vraj Godha</b> BCom (Class of 2005) Founder, Official Nonsense		Invited by the Concourse team for their podcast series on 'Venture Viewpoint' in collaboration with Stepwell Radio.
<b>Milapsinh Jadeja</b> Global Executive MBA (Class of 2020) Founder, PayTamasha, Iroller Capital, and The Shy Tiger			Invited to a three-day workshop on 'Dynamics to Pitching' by the Concourse Team.
<b>Mikin Shah</b> MBA (Class of 2006) Financial Risk Manager and Director, Foresight School			Invited to a three-day workshop on 'Excel Learning' by the Concourse Team.
<b>Prateek Gupta and Mit Jani</b> BCom (Class of 2010) Co-Founders and Directors, Videowala Productions and Harfanmaula Films Private Limited; National Award winning filmmakers			Invited students of the Film Appreciation Club for a trial screening of their upcoming film tentatively titled Kamthaan.
<b>Prateek Gupta</b> BCom (Class of 2010) Co-Founders and Directors, Videowala Productions and Harfanmaula Films Private Limited; National Award winning filmmakers			Invited by the Film Appreciation Club for a conversation about his journey as a film editor.
<b>Niharika Kheria</b> BCom (Class of 2017) Owner, MOI			Hosted the Entrepreneurs Club and the Food and Nutrition Club at MOI - The Dessert Studio,, and shared stories of cracking the market code and creating a 'niche' consumer base for MOI.

— Reunions

**Purani Jeans 2023 (January 7 & 8, 2023)**

A two-day event held on Campus that consisted of nostalgia, sports, conversations, and networking.

**Canada Alumni Meet (January 7, 2023)**

Our alumni in Canada met for an alumni dinner while Purani Jeans was held on Campus.



# Office of the Dean of Students

Navigating the challenges of University life can be demanding; whether it involves shifting cities, states, or countries, leaving the comfort of a school environment, or simply assimilating with students coming from diverse backgrounds and cultures. The Office of the Dean of Students is dedicated to ensuring that this journey of students from school to University and life at the University is seamless and successful. Through its Wellness, Student Engagement, and Residential verticals, the Office essentially offers services, resources, and non-academic support to students to help them navigate the exciting challenges of University life and make the most of their academic and personal growth. It organises unified student activities across all Programmes and Schools of the University. Besides services to incoming students, the Office also offers academic guidance and social integration advice to University students in general, taking cognisance of various essential requirements that they may have.

## Wellness

Through its Wellness initiative, the Office works toward addressing the physical, mental, and emotional health concerns of students. This year, we handled:

- 41 Emergencies
- 2841 Student medical consultations
- 339 Blood donation units
- 903 Counselling sessions
- 1331 Distance counselling sessions
- 305 Individual counselling sessions

## Physical Wellness

The Office facilitates the following health services at the University Centre:

- Health Centre for free medical consultations
- Health record data
- Thalassemia screening
- Blood donation camps
- Health camps
- Consultations

## COMPLIANCE AND GRIEVANCES

The Office also supports upfront and extends backend support to the following under the Compliance and Grievance Redressal Mechanism at Ahmedabad University:

## Mental Wellness

The Office continuously monitors the mental and emotional wellbeing of students, and has dedicated resources to address any challenges students might be facing through:

- Personal counselling
- Support groups
- Distance counselling
- Mental health professionals' panel
- Family Connect Initiative
- Anti-Ragging Committee
- Prevention of Sexual Harassment (POSH) Act
- Grievance Redressal Committee
- Women's Development Cell

## Activities of Wellness

ACTIVITY	FACILITATOR	DATE
International Yoga Day	Prakash Patel, Aum Shiv Yoga Centre	21 June 2022
Prevention on Sexual Harassment	Nimit Thaker and Krishna Mehta	28 June 2022
Session on Prevention of Sexual Harassment (POSH)	Recorded Session of Mini Nilkund	26 July 2022
Blood Donation Camp	Indian Red Cross Society	12 October 2022
Understanding Polycystic Ovary Syndrome	Dr Riddhi Shukla	12 October 2022
Yoga Camp	Ayushi Patel	1-11 November 2022
Thalassemia Screening Camp	Indian Red Cross Society	16 November 2022
Wellness session for Destressing - Mandala for Mindfulness	Dhairushi Patel	17 November 2022
Session for Destressing - Importance of Movement in daily life	Dr Gayatri Raval	1 December 2022
Session for Destressing - Sound Healing Meditation	Love Joshi	15 December 2022
Reflective Session - Walking into 2023	Nairuti Trivedi	11 January 2023
Health Camp	Dr Gayatri Raval	16-20 January 2023
Thalassemia Screening Camp	Indian Red Cross Society	25 January 2023
Yoga	Ayushi Patel	30 January 2023
Yoga	Ayushi Patel	1-28 February 2023
Cyber Misconduct and its Legal Implications	Krishna Mehta and Nimit Thaker	8 February 2023
First Aid Training	Dr Gayatri Raval and Indian Red Cross Society	15 February 2023
Yoga	Ayushi Patel	1-31 March 2023
Blood Donation Camp	Indian Red Cross Society	15 March 2023
Time Management and Handling Procrastination	YourDOST - Rashmeet Kaur, Psychologist	28 March 2023
Yoga	Ayushi Patel	1-30 April 2023

## Family Connect Initiative

The Office of the Dean of Students, through its Family Connect initiative, builds a rapport with the families of the beneficiaries of the University's Financial Aid by directly connecting with them. This enables the University to get feedback from students and families about the impact of Financial Aid provided, at the same time instilling in them the confidence that the University is supportive. This year, 96 families benefited from our financial aid. Through the Family Connect initiative, the Office personally visited 60 families in Ahmedabad and connected virtually with 36 families from outside of Ahmedabad.

## Work Study Programme

Under the University's Work Study Programme, initiated to create opportunities within our ecosystem, we encourage students to work at any of the administrative or School offices. This past year, 64 students were engaged under the Programme.



## Circle of Care

Our Circle of Care is a special initiative undertaken by the Office of the Dean of Students to ensure that they seamlessly integrate with the University. We take great care to develop a circle of friends for incoming students comprising their peers, senior students of the University whom we call Student Mitrs or friends, and faculty advisors. The initiative deeply resonates with the University culture of building community and respecting diversity. In the past year, a total of 954 incoming students were divided into 56 heterogeneous Circles of Care.

Our Mitrs are trained to handle student queries, academic or otherwise. They are also sensitised to observe and report any problems that these incoming students might face. The faculty advisors are intricately involved in the Circle of Care, along with the Wellness Centre of the Office of the Dean of Students and the Career Development Centre. The Student Mitrs encourage incoming students to actively participate in University Clubs, Associations, and other Campus activities.

## Intellectual and Creative Engagement

### Youth Festival

Built around the interconnectedness of the individual and society and sustainability, Youth Fest 2023 witnessed participation by 1200 students.

### Raschakra's Har Qatra Toofan and Afghani Dukhtaran

We organised two plays, Har Qatra Toofan and Afghani Dukhtaran, on January 30, 2023, by the literary and cultural platform Raschakra. The team uses the performative reading format to celebrate women's writings (mostly non-fictional texts) and brings them to the world in a way that is both enjoyable and thought provoking.

### Cultural Events

Celebrating diverse cultures, the Office organises cultural events each year, including Garba 2022 and Onam 2022.

## Social Engagement

### Anandmela

This year, as is the norm on Republic Day, the University opened up for 1500 students from NGOs for Anandmela.

### Rang De Pathshala

The 2<sup>nd</sup> year of Rang De Pathshala organised by the Fine Arts Club saw student volunteers paint educational infographics and murals at a government school. The objective is to design a visually engaging environment for young learners by making their school structure aesthetically appealing while also inculcating a sense of maintaining hygiene.



## Student Clubs

The Fine Arts Club and the Literary Club were awarded by the Chairman as the Best Performing Student Clubs for 2022-23 on the 14th Foundation Day.

Following are the list of activities undertaken by the various student clubs during the year:

DANCE CLUB	
ACTIVITY	DATE
Rangtaali: Garba Workshop	12-14 September 2022
Step in Style	14 September 2022
Tara Concert (Mahatma Gandhi International School)	19 September 2022
Kalari Payattu	12 October 2022
Salsa Workshop	1 February 2023
K-Pop	15 March 2023
Raqs 2.0	12 April 2023

ENTREPRENEURS' CLUB	
ACTIVITY	DATE
Rival Regions	12 October 2022
Founders Day	11 January 2023
A Journey of a Single Mother: Simply Salad	16 January 2023
Startup Story of MAISHA	5 April 2023

FILM APPRECIATION CLUB	
ACTIVITY	DATE
Long Story Short	3 August 2022
Chalchitra	7 September 2022
Knives Out	12 October 2022
Let's Talk Genres 3.0	19 October 2022
Halloween Movie Marathon	29 October 2022
Ship of Theseus - A Philosophical Dive	9 November 2022
Know your Cinema	16 November 2022
Movie Marathon: Journey Movies	21 January 2023
Adaptations	8 February 2023
Movie Marathon: An Ode to SRK	12 February 2023
Movie Marathon: Women's Day Special	12 March 2023
Chalchitra	17 March 2023
Impetus 1	5 April 2023

SOCIAL SERVICE FORUM	
ACTIVITY	DATE
Ties with Society	4-10 August 2022
Joy of Giving	12-16 October 2022
Anand Mela	26 January 2023
Treasure it Up	29 March - April 2023
Treasure it Up	5 April 2023

DESIGN CLUB	
ACTIVITY	DATE
Zen Calligraphy	14 September 2022
Logo Mania Showdown	12 October 2022
Halloweign	4 November 2022
Arthshila	11 January 2023
Laari Nahi Chootege	29 March 2023

ENVIRONMENT CLUB	
ACTIVITY	DATE
Tide Turners Plastic Challenge Workshop	15 June 2022
Ecolympics	24 August 2022
The Big Year	14 September 2022
Movie Screening: Wildlife Karnataka	7 October 2022
Floods Discussion	12 October 2022
Bird Watching and Photography	15 October 2022
Photographic Artwork	14-21 November 2022
RTI Workshop	15 February 2023
Elephant Whisperer	22 March 2023

FINE ARTS CLUB	
ACTIVITY	DATE
Freedom to Paint-make your own tiranga	9 August 2022
Re-cover	3 September 2022
Trinket Tray Workshop	12-15 October 2022
Rang de Pathshala	9-13 November 2022
The Journey to Neverland	14 November 2022
Rang de Pathshala	16 November 2022
Hues and Tunes	13 February 2023
Figure Study	18 March 2023
Pottery Workshop	22 March 2023
Just Bead It	27 March 2023
Mehndi on Canvas	31 March 2023
End Game	7 April 2023
End Game	10 April 2023
Tote-AI Relief	12 April 2023
Back to the Past: A History Quiz (G20)	12 April 2023
Abhikala	19 April 2023



FITNESS CLUB	
ACTIVITY	DATE
International Yoga Day	21 June 2022
Pedal Up 2.0	3 July 2022
Zumbaholics	7 September 2022
Power Garba	8 October 2022
One Day Hiking Trip	13 November 2022
Self Defense	1 February 2023
Nutrition Aura	3 February 2023
Off the Track	29 March 2023
My Mind and Me	13 April 2023

HERITAGE CLUB	
ACTIVITY	DATE
Baapa Aagman	30 August 2022
Kalari Payattu	12 October 2022
Inktober	October 2022
Museum Visit	12 November 2022
Tribal Museum Visit	11 January 2023
Bhoola Bisra Bachpan	8 February 2023
Museum Visit	25 March 2023
The Thread Connection	1 April 2023

MUSIC CLUB	
ACTIVITY	DATE
Karaoke	19 October 2022
Movie Screening	11 November 2022
Improvisation Worksop	16 November 2022
Movie Screening- Elvis	18 January 2023
Treble Dusk	1 February 2023
HUNT'akshari	8 February 2023
Grab the Mic	15 February 2023
Back to Basics	15-29 March 2023
Classical Show	14 April 2023

MANAGEMENT CLUB	
ACTIVITY	DATE
Baazigar	14 September 2022
Rokda Bazaar	11-17 November 2022
Baithak	24 January 2023
Union Budget	1 February 2023
Baithak	17 March 2023
Baithak	18 October 2023

FOOD CLUB	
ACTIVITY	DATE
Fun, Food and Fiesta	22-23 August 2023
Culture, Curries and Clicks	7 September 2022
Food Trivia	28 September 2022
Aao Saath Chale	9 October 2022
Taste and Tales	5 November 2022
Forage and Cook	12 November 2022
Swaad Sangam	11 February 2023
Brake and Cake	15 March 2023
Chopping Workshop	25 March 2023
The Journey of and with BIGLY	29 March 2023

LITERARY CLUB	
ACTIVITY	DATE
The Tiranga Debate	9 August 2022
Mela Quiz	24 August 2022
Book Talk	29 August 2022
Book Talk Editiom 3	6 October 2022
Turning the Tales	19 October 2022
Literary Fest	18-20 October 2022
Dead Poets Society Edition 1	22 March 2023
Dead Poets Society	29 March 2023
Beyond the Books	29 March 2023
Safar: From Pen to Print	7 April 2023
Language & Globalisation	12 April 2023

PHOTOGRAPHY CLUB	
ACTIVITY	DATE
Pride Feature Series	13-21 June 2022
Commercial Product Shoot	18-20 June 2022
Summer Aesthetic Vlogging	4-9 July 2022
Photowalk	29 October 2022
Photowalk	6 November 2022
Old City Photowalk	13 November 2022
Kai Po Che	14-16 January 2023
Intro to Cinematography	15 March 2023
Protraits, Print and Patchwork	25 March 2023

PROGRAMMING CLUB	
ACTIVITY	DATE
Website Making Challenge 3.0	10 August 2022
Website Making Challenge 3.0	17 August 2022
Website Making Challenge 3.0	24 August 2022
Interaction with Seniors	19 October 2022
Codeathon 3.0	5-6 November 2022
Community Meetup 1	2 November 2022
Ahmedabad University Winter Code	12 December 2022 - 4 January 2023
CP100	24 December 2022
What is GSOC	28 December 2022
Hands On: Trees and Graphs	4 January 2023
Clash of Codes: Qualifiers 1	1 March 2023
Clash of Codes: Qualifiers 2	4 March 2023
Clash of Codes: Auction	6 March 2023
Clash of Codes: Battle 1	15 March 2023
Clash of Codes: Battle 2	22 March 2023
Clash of Codes: Quarter Finals	25 March 2023
Clash of Codes	25 March 2023
Clash of Codes: Semi Final	29 March 2023
Clash of Codes: Final	1 April 2023
Clash of Codes: Ending Ceremony	5 April 2023
Community Meetup 2	5 April 2023

STUDENT MAGAZINE CLUB	
ACTIVITY	DATE
Samvaad	7 September 2022
Naaz	11 September 2022
Samvaad	9 November 2022
Samvaad	11 January 2023
Samvaad	15 March 2023
Samvaad	22 March 2023
Club Mixer	29 March 2023
Murder Mystery	15 April 2023

WOMEN'S DEVELOPMENT CELL	
ACTIVITY	DATE
Girls Just Wanna Have Funds	7 September 2022
The Run for Literacy	11 September 2022
In Conversation with CA Jayshree Vyas	14 September 2022
Jounery of a Single Mom	16 January 2023
Be the Changemaker	28 January 2023
Safety Beyond Gender: A Self-Defense Workshop	1 February 2023
I am Worth It !!	15 March 2023
Equality in our Differences	15 March 2023

QUIZ CLUB	
ACTIVITY	DATE
Bring your own Quiz	10 August 2022
Bring your own Quiz	14 September 2022
The Reading Challenge	28 September 2022
Biz Quiz	19 October 2022
Fresher's Quiz	7 December 2022
Year in Review Quiz 2022	13 January 2023
Animation Quiz	8 February 2023
Harry Potter Quiz	15 March 2023
Quizzing Workshop	5 April 2023
Reels & Relics	15 April 2023

SPORTS CLUB	
ACTIVITY	DATE
Battle of the Boards	22-23 July 2022
Blind Volleyball	17 August 2022
Ahmedabad University Premier Leauge	5-19 October 2022
Tiki Taka	19-20 November 2022
The Sports Fest	4 February - 29 March 2023
Sports Fest- Closing Ceremony	29 March 2023

THEATRE CLUB	
ACTIVITY	DATE
FeetsONSTREET	17 July 2022
Asli standup 4.0	12 October 2022
Hamilton	27 March 2023
Back to Basics	29 March 2023
The Theatre Show	14 April 2023





## Sports

Ahmedabad University is a member of the Association of Indian Universities (AIU) and participates actively in games and sports organised by/affiliated to AIU at the West Zone and All-India levels. This year, the University inaugurated a Sports Complex on the Central Campus on February 26, 2023, to add to the existing sports facilities at the University Centre. The Complex has facilities for basketball, football, tennis, volleybal, and frisbee.

### National College Ultimate Frisbee Championship 2023

In association with Indian College Ultimate and Ahmedabad Ultimate, we organised a National College Ultimate Championship 2023 on April 1-2, 2023, where nine teams from across India, including those from Azim Premji University, BITS Goa, IIT Bombay, BITS Hyderabad, Ashoka University, and St Stephens College, participated. The first two positions were taken by BITS Goa and MTB Arts College respectively.

### Ahmedabad University Cricket Cup 2023

The 2<sup>nd</sup> edition of the inter-university cricket challenge, Ahmedabad University Cricket Cup 2023, was held on April 3-5, 2023, on Campus. 11 teams across Gujarat participated with Kadi Sarva University winning the Cup and Ahmedabad University securing the 2<sup>nd</sup> place.

### Tennis Summer Coaching Camp

The University a Summer Tennis Coaching Camp from June–July 2023.

SPORTS			
COMPETITION	HOST	DATE	POSITION
Open Inter University Badminton (Mixed)	GNLU Gandhinagar	23-25 February 2023	2 <sup>nd</sup>
Open Inter-University Basketball (Men)	DAIICT, Gandhinagar	3-6 November 2022	1 <sup>st</sup>
Open Inter-University Basketball (Men)	IIM Ahmedabad	11-12 November 2022	2 <sup>nd</sup>
Open Inter-University Basketball (Women)	DAIICT, Gandhinagar	3-6 November 2022	2 <sup>nd</sup>
Open Inter-University Cricket (Men)	IIT Gandhinagar	15 October to 3 November 2022	2 <sup>nd</sup>
Open Inter-University Cricket (Men)	DAIICT Gandhinagar	1-6 November 2022	2 <sup>nd</sup>
Open Inter-University Cricket (Men)	IIM Ahmedabad	11-12 November 2022	1 <sup>st</sup>
Women's Premier League Box Cricket (Women)	Tata WPL Trophy Drive 2023	19 March 2023	1 <sup>st</sup>
Open Inter-University Chess (Men)	PDEU	13-18 February 2023	2 <sup>nd</sup>
National Equestrian Championship 2023	National Equestrian Federation		Elizabeth Balaram (Best Female Rider)
National Equestrian Championship 2023	National Equestrian Federation	5-20 February 2023	Aarsh Udit Divatia 80 meters Stage
Open Inter-University Football (Men)	DAIICT Gandhinagar	3-6 November 2022	2 <sup>nd</sup>
Open Inter-University Kabbadi (Men)	IIM Ahmedabad	11-12 November 2022	2 <sup>nd</sup>
Open Inter-University Taekwondo (Women)	PDEU	13-18 February 2023	1 <sup>st</sup>
Open Inter University Roller Skating (Mixed)	GNLU Gandhinagar	23-25 February 2023	2 <sup>nd</sup>
Open Inter-University Tennis (Men)	PDEU	13-18 February 2023	2 <sup>nd</sup>
Open Inter-University Volleyball (Women)	DAIICT Gandhinagar	3-6 November 2022	1 <sup>st</sup>
Open Inter-University Volleyball (Women)	IIM Ahmedabad	11-12 November 2022	1 <sup>st</sup>
Open Inter-University Volleyball (Women)	PDEU	13-18 February 2023	1 <sup>st</sup>





## The Nalanda

At the University, we believe in building a spirit of enquiry and independent thinking by exchanging ideas and developing bridges between disciplines, cultures, and society. The Nalanda is a unique initiative that brings our students in close contact with deep thinkers, conversations with whom are inspiring and transformational.

### RAHUL MEHROTRA

Founder, RMA Architects  
Professor, The Graduate School of Design, Harvard University

#### Architecture in Context

August 22, 2023



### GEET SETHI

Cue Sports World Champion and  
Padma Shri Awardee  
Co-founder, Olympic Gold Quest

#### Success Versus Joy

September 14, 2022



### PANKAJ NAQVI

Retired Judge,  
Allahabad High Court

#### Privacy and Dignity: Not an Elitist Concept

October 12, 2022



### PROFESSOR ARVIND

Theoretical Quantum Physicist

#### A Glimpse into Quantum World

February 8, 2023



### YADVENDRADEV JHALA

Dean, Wildlife Institute of India

#### Reintroducing Cheetahs in India

March 3, 2022



### SHUBHA MUDGAL

Hindustani Classical Singer

#### Challenges and Pleasures of Being a Musician in 21<sup>st</sup> Century India

March 15, 2023



### HARISH DAMODARAN

National Rural Affairs and  
Agriculture Editor, The Indian Express  
Senior Visting Fellow, Centre for  
Policy Research, New Delhi

#### Green Revolution 1.0 to Green Revolution 2.0

April 12, 2023



## University Library System

Our Libraries are labs of innovators and thinkers. The University Library System seeks to not only provide the best resources to its community but also to archive all in-house publications and other reference resources, besides inducting students, faculty, and staff into reading.

We have a central library and two Reading Rooms, one each at Amrut Mody School of Management and the School of Arts and Sciences. The library at Ahmedabad University is rapidly emerging as one of the country's leading academic and research libraries. It has a diverse collection of print and online resources which includes books, periodicals, newspapers, theses/ dissertations, project reports, bound volumes, case studies, online databases, and multimedia resources. The collection supports a multidisciplinary curriculum and research requirements that cover Engineering, Computer Science, Mathematics, Humanities, Management, Biological Sciences, and Social Sciences.

Number of Volumes of Books	46530	<b>Newspapers</b>	
No. of Titles	34950	Online	4
No of books added during - April 2022 - March 2023	646	Print (Number of titles - 13, Number of volumes - 25)	25
E-books (ProQuest E-Books Central - +288668 Springer LNCS - 4722 + Wiley online Books 134)	+2,93,524	<b>Online Journals</b>	6173
<b>Print Journals</b>		<b>Full-Text Databases</b>	12
International	16	<b>Statistical Databases</b>	10
National (Number of titles - 35, Number of volumes - 40)	40	<b>Bibliographic Databases</b>	1
<b>Print Magazines</b>		<b>Standard</b>	1
International	5	<b>Self-study CDs/DVDs:</b>	3614
National (Number of titles - 31, Number of volumes - 38)	38	<b>Other learning material: (Bound Vol., Thesis / Dissertation, etc.)</b>	960



## Digital Resources

### Full-Text Journals

- ACM Digital Library (80 Journals)
- American Institute of Physics (AIP) – eSS Collection (19 Journals)
- American Society of Mechanical Engineers (ASME) (33 Journals)
- APA PsycArticle (121 Journals)
- Cambridge University Press (15 Journals)
- EBSCO Business Source Elite (1064 Journals)
- IEEE Xplore Digital Library (381 Journals)
- JSTOR (2893 Journals)
- Oxford University Press HSS Collection (194 Journals)
- Project Euclid Premium Collection (31 Journals)
- Project Muse Premium Collection (713 Journals)
- ScienceDirect (629 Journals)

### Full-Text Online Books

- ProQuest E-Books Central (288668+ Books)
- Springer Computer Science E-Books with LNCS (4722+ Books)
- Wiley Online Books [134 (63 Chemical Engineering & 71 Mechanical Engineering)]

### Other Databases

- BIS Standards
- Scopus

### Statistical Databases

- ACE Equity V2
- Consumer Pyramid dx
- Economic Outlook
- EPWRF
- IndiaStat
- Industry Outlook
- Prowess
- PE/VC Venture Intelligence
- Refinitiv
- State of India
- Tracxn

## Digital Initiatives

The University Library System is committed to enhance library services through various digital initiatives.

- Integrated Library Management System-KOHA is used for library operations.
- RFID system is used to automate the transactions and security system.
- Access to online resources through the RemoteX facility is granted to students, faculty, and staff.
- Access to similarity check services is provided through Turnitin and Ouriginal software.
- Access to a reference management software (EndNote) and an English writing support software (Grammarly) is provided to all users.
- Single platform Summon Discovery Service is provided to users for resource search.
- Institutional Repository Dspace is provided to users to archive all in-house publications and other reference resources.
- All library requests are managed through request tracking software GLPI.

## Institutional Membership

- Association of Management Development Institutions in South Asia (AMDISA) - Lifetime Membership
- CEPT University - Membership
- Current Science - Lifetime Membership
- Developing Library Network (DELNET) - Annual Membership
- Indian Institute of Technology Gandhinagar (IITGn) - Annual Membership
- Information and Library Network (INFLIBNET) - Annual Membership
- Vikram Sarabhai Library Ahmedabad (IIMA) - Dual Membership

## Events

### Book Discussion

On National Librarian's Day 2022, we hosted a book discussion on *English Linguistic Imperialism from Below: Moral Aspiration and Social Mobility between the author of the book*, Leya Mathew, Assistant Professor, and Mary Ann Chacko, Assistant Professor, both from the School of Arts and Sciences.

### Research Workshop

We organised *Citation and Reference Management*, a workshop on literature review on September 7, 2022 for our doctoral students.

### Reading Challenge 2022

The six-week Reading Challenge 2022 was organised in collaboration with the Centre for Learning Futures. The Challenge included a speed-reading workshop by Sanjay Banavar, a quiz by the Quiz Club, and a storytelling workshop by Chirag Trivedi, Assistant Professor, Amrut Mody School of Management.

### Yuva Diwas Celebration

Under the Book-Share and Read Along programme, we organised a children's books donation drive.

### Ahmedabad Literary Festival 2023

The Ahmedabad Literary Festival 2023 was organised on January 18-20, 2023, in collaboration with the student-led Literary Club. The festival included a book exhibition, discussions on literary works, debates, and various events to promote reading.

### World Poetry Day 2023

In collaboration with the student-led Literary Club, we celebrated World Poetry Day 2023 on March 22 with a session titled, Dead Poets Society: Toba Tek Singh.

### World Book and Copyright Day 2023

On April 23, World Book and Copyright Day 2023, faculty colleagues and students shared their favourite books as part of the 'Conversation Around Books' initiative.

### World Environment Day

On June 5, we organised multiple activities, including a campus tour on sustainable activities on our Campus, and a workshop on recycling of plastic waste.

## Library Services and Facilities

### Services

- Alumni Membership
- Book Drop Service
- Circulation Services
- Discovery Service
- Document Delivery Services
- HBR Case Study Procurement
- Information Literacy Programmes
- Interlibrary Loan (ILL)
- New Arrivals Alerts
- Newspaper Display
- Plagiarism Checking
- Reference Services
- Table of Content (TOC) Service

### Facilities

- Centralised Air Conditioned Library
- Creativity Hub
- Reading Cubicles
- Discussion Rooms
- E-hub
- E-hub for Visually Impaired
- E-mail & SMS Alert
- Library extended hours during examinations
- Reading Rooms with Wi-Fi Facility
- Remote Access
- RFID Self Check-out and Check-in Kiosk
- Screening of Swayam Prabha Channel



## Library Committee

### Dhaval Patel

Associate Professor, School of Engineering and Applied Science (Chairperson)

### Souvik Sen Gupta

Assistant Professor, School of Arts and Sciences

### Adarsh Venkataraman Ganesan

Assistant Professor, School of Engineering and Applied Science

### Shibashis Mukherjee

Assistant Professor, Amrut Mody School of Management

### Vinodh Madhavan

Associate Professor, Amrut Mody School of Management

### Joseph Van Weelden

Assistant Professor, School of Arts and Sciences

### Mihir Jhaveri

Chief Financial Officer, University Office

### Sangita Purohit

Head Library, University Library System

### Aditi Patel

Doctoral Student, School of Arts and Sciences

### Shambhavee Gaurang Joshi

Undergraduate Student, School of Arts and Sciences

### Sanjay Banavar

Director of Libraries, University Library System

## RESEARCH

## University Library System

### Book Chapters

**Purohit, S. (2022).** Application of Cloud Computing Technology in Library and Information Science. *Fundamentals of Resource Sharing, Library Networks and e-Resource Consortia*, (92-103), Bangalore, HRSA; Publications.

**Purohit, S. (2022).** Innovative library services of the present day. *Digital Transformation in the Library and Information Science: Smart Library Services*.

### Journal Papers

**Purohit, S. (2022).** Library Quality Management Systems – An Overview of ISO 9000. *Sankalpa – Journal of Management & Research*. 11(3), 27-29. <https://shorturl.at/fmuv7>

**Purohit, S. (2023).** Exploring the Potential of Blockchain Technology for Libraries. *International Journal of Information Movement*. 8(1), 1-4. <https://shorturl.at/oVX79>

### Conference Proceedings

**Bhagat, C., Chaudhary, C. M., & Gadhvi, G. G. (2023).** Comparative Study of Data Visualization Tools: Gephi and VOSViewer. *National Conference Re-envisioning Library and Information Services in the Agile Era*, Department of Library & Information Science, University Library, Gujarat University, Ahmedabad, January 9-10.

### Invited Talks

**Banavar, S.** Academic Identity. Research workshop, INFLIBNET Centre, Gandhinagar, August 10, 2022.

**Banavar, S.** Space Planning. Librarian's Day Celebration, CEPT University, Ahmedabad, August 27, 2022.

**Banavar, S.** Literature Search: Get it right! ADINET, Ahmedabad, November 12, 2022.

**Banavar, S.** Repositioning of Libraries in Research Information Management System of Higher Learning Institute. KLE Technological University, Hubli, November 25, 2022.

**Banavar, S.** The Use of E-Resources and Application of Tools, Techniques in Social Science Research. M P Institute of Social Science Research, Ujjain, March 13-17, 2023.



# FINANCIAL STATEMENTS

## BALANCE SHEET AS AT MARCH 31, 2023

Rs. in Crores

PARTICULARS	SCHEDULE	AS AT MARCH 31, 2023	AS AT MARCH 31, 2022
<b>FUNDS AND LIABILITIES</b>			
<b>(A) Funds</b>			
Corpus Fund	1		
Earmarked/Endowment Funds	2	186.24	186.24
Depreciation Fund	3	473.95	448.16
		131.76	111.89
<b>(B) Project Grants</b>	4	2.14	6.55
<b>Total</b>		<b>794.09</b>	<b>752.84</b>
<b>ASSETS</b>			
<b>(A) Property Plant &amp; Equipment</b>	5	<b>379.98</b>	<b>352.27</b>
<b>(B) Intangible Asset</b>	6	<b>5.53</b>	<b>5.01</b>
<b>(C) Investments</b>	7	<b>267.18</b>	<b>264.63</b>
<b>(D) Current Assets, Loans &amp; Advances</b>			
Inventories	8	0.20	0.21
Receivables	9	4.54	3.93
Loans and Advances	10	7.40	6.27
Cash & Bank Balances	11	6.06	3.05
		18.20	13.46
Less: Current Liabilities & Provisions		74.16	55.70
<b>Net Current Assets</b>	12	<b>(55.96)</b>	<b>(42.24)</b>
<b>(E) Income and Expenditure Account</b>	13	<b>197.36</b>	<b>173.17</b>
<b>TOTAL</b>		<b>794.09</b>	<b>752.84</b>

# INCOME AND EXPENDITURE FOR THE YEAR ENDED MARCH 31, 2023

Rs. in Crores

PARTICULARS	SCHEDULE	AS AT MARCH 31, 2023	AS AT MARCH 31, 2022
<b>INCOME</b>			
Fees (Net)	14	89.44	67.67
Interest Income (Net)	15	0.33	0.90
Other Income	16	2.44	1.86
<b>TOTAL</b>		<b>92.21</b>	<b>70.43</b>
<b>EXPENDITURE</b>			
Employee Emoluments	17	59.69	52.35
Educational Expenses	18	11.80	8.10
Financial Support to Students	19	9.49	6.32
Repairs and Maintenance Expenses	20	10.98	8.50
Utilities	21	4.08	2.23
Workshops / Events & Meeting Expenses	22	1.67	0.52
Other Administrative Expenses	23	7.32	5.60
Finance Cost	24	0.01	0.01
<b>TOTAL</b>		<b>105.04</b>	<b>83.63</b>
Deficit before Depreciation/Amortisation		<b>(12.83)</b>	<b>(13.20)</b>
Less: Depreciation / Amortisation (Net)	25	(11.37)	(8.11)
<b>Deficit for the year</b>		<b>(24.20)</b>	<b>(21.31)</b>

As per our report of even date  
**For Sorab S. Engineer & Co.**  
Firm Registration No. 110417W  
Chartered Accountants

**CA. Chokshi Shreyas B.**  
Partner  
Membership No. 100892  
Ahmedabad  
Date: June 24, 2023

**Sanjay S. Lalbhai**  
President

**B M Shah**  
Registrar



# BALANCE SHEET

## SCHEDULE ATTACHED TO AND FORMING PART OF ACCOUNTS

Rs. in Crores			
PARTICULARS	SCHEDULE	AS AT MARCH 31, 2023	AS AT MARCH 31, 2022
<b>CORPUS FUND</b>			
Balance as per last financial statements	1	186.24	186.24
		-	-
<b>TOTAL</b>		<b>186.24</b>	<b>186.24</b>
<b>Earmarked / Endowment Funds</b>			
Balance as per last financial statements		448.16	414.46
Addition : Funds & other income received during the year	2	119.08	46.65
		93.29	12.95
Deduction : Funds Utilised / Transferred			
<b>TOTAL</b>		<b>473.95</b>	<b>448.16</b>
<b>Depreciation Fund</b>			
Balance as per last financial statements		111.88	95.19
Add: Provided during the year	3	20.43	17.09
		132.31	112.28
Less: Depreciation on Assets sold during the year		0.55	0.39
<b>Net Balance</b>		<b>131.76</b>	<b>111.89</b>
<b>Project Grant</b>			
External Project Grant - Faculties		1.38	5.13
GICT-Environmental Risk Assessment of Chemicals and Nano Material	4	0.16	0.21
GICT- NanoTechnology (CENTRA)		0.26	0.26
BIRAC-Bionest		-	0.54
Seed Grants			0.03
FCRA Project Grants		0.34	0.38
<b>TOTAL</b>		<b>2.14</b>	<b>6.55</b>
<b>Property Plant &amp; Equipment</b>			
Balance as per last financial statements		275.40	243.74
Add: Addition out of Owned Funds		6.49	26.04
Add: Addition out of Project Grant/Earmarked fund		88.47	6.06
		370.36	275.84
Less: Assets sold during the year	5	0.68	0.43
		369.68	275.41
Add: Urban Forest (Arboretum)		1.81	1.22
Add: Capital Work in Progress & Capital Advances		8.49	75.64
Add: Capital Work in Progress		5.54	50.32
Add: Capital Advances		2.95	25.32
<b>TOTAL</b>		<b>379.98</b>	<b>352.27</b>
<b>Intangible Assets</b>			
Balance as per last financial statements	6	5.01	4.51
Add: Addition out of Owned Funds		0.52	0.50
<b>TOTAL</b>		<b>5.53</b>	<b>5.01</b>



# BALANCE SHEET

## SCHEDULE ATTACHED TO AND FORMING PART OF ACCOUNTS

Rs. in Crores			
PARTICULARS	SCHEDULE	AS AT MARCH 31, 2023	AS AT MARCH 31, 2022
<b>Long Term Investments</b>			
Term Deposit with LIC Housing Finance Limited	7	-	5.00
Investment in Bank Bonds		25.14	44.56
Investment in Government Securities		236.55	205.88
Term Deposit with Banks		5.49	9.19
<b>TOTAL</b>		<b>267.18</b>	<b>264.63</b>
<b>Inventories</b>			
Books and Merchandise	8	0.20	0.21
<b>Receivables</b>			
Interest Accrued on Investments	9	3.21	3.90
Income Receivable		0.03	0.02
Fees Receivable			
Unsecured, Considered Good Unless otherwise Stated		1.30	0.01
Considered Doubtful (PY INR 33000/-)		-	-
Less: Provision for Doubtful Receivable (PY INR 33000/-)		-	-
Net Fees Receivable		1.30	0.01
<b>TOTAL</b>		<b>4.54</b>	<b>3.93</b>
<b>Loan &amp; Advances</b>			
(Unsecured, Considered Good Unless otherwise Stated)			
Advances Recoverable in Cash or Kind or for Value to be received	10	2.46	1.50
Deposits		1.64	1.43
TDS Receivable		0.29	0.28
Interest Free Loan to Students		0.14	0.14
Prepaid Expenses		2.87	2.92
<b>TOTAL</b>		<b>7.40</b>	<b>6.27</b>
<b>Cash &amp; Bank Balances</b>			
Cash on Hand (CY Rs. 14,055/-)	11		0.01
Bank Balance			
• In Savings Bank Account		3.15	3.04
• In Fixed Deposits Account		2.91	-
<b>TOTAL</b>		<b>6.06</b>	<b>3.05</b>
<b>Current Liabilities &amp; Provisions</b>			
<b>Current Liabilities</b>			
Advances Received	12	46.58	32.85
Sundry Creditors		6.84	5.28
Statutory Dues		1.68	1.71
Deposits from Students		3.14	2.26
Fees Refundable to Students		0.23	0.09
Fees Received in Advance		2.44	0.77
Retention Money		0.31	0.71
Outstanding Liability for Expenses		6.50	5.56
<b>Provisions</b>			
Gratuity		3.37	3.20
Leave Encashment		3.07	3.27
<b>TOTAL</b>		<b>74.16</b>	<b>55.70</b>
<b>Income &amp; Expenditure Account</b>			
Balance as per last financial statements	13	173.16	151.86
Add: Deficit/(Surplus) for the year		24.20	21.31
<b>TOTAL</b>		<b>197.36</b>	<b>173.17</b>



# INCOME AND EXPENDITURE

## SCHEDULE ATTACHED TO AND FORMING PART OF ACCOUNTS

Rs. in Crores			
PARTICULARS	SCHEDULE	AS AT MARCH 31, 2023	AS AT MARCH 31, 2022
<b>Fees (Net)</b>			
<b>Tuition Fees</b>		86.28	64.77
Less : Transferred to University Development Reserve	14	-	0.01
		86.28	64.76
Other Fees		3.16	2.91
<b>TOTAL</b>		<b>89.44</b>	<b>67.67</b>
<b>Interest Income</b>			
(Net of allocation of INR 18.92 Crores ;			
Previous year INR 20.30 Crores)			
On Fixed Deposit	15	0.17	0.42
On Savings Bank A/c		0.10	0.14
Other Interest Income (PY INR 43,873/-)		0.01	
Amortization of Premium/Discounts on Investments		0.05	0.34
<b>TOTAL</b>		<b>0.33</b>	<b>0.90</b>
<b>Other Income</b>			
Consultancy Income		0.30	0.03
Overhead Recovery		0.28	0.31
Placement & Other Fees		0.48	0.60
Form Fee		0.45	0.36
Accommodation Charges (Net)	16	0.22	-
Admission Cancellation Charges		0.04	0.13
Profit on Sale of Investments		-	0.18
Profit on Sale of Property Plant & Equipment (Net)		0.02	-
Other Miscellaneous Income		0.65	0.25
<b>TOTAL</b>		<b>2.44</b>	<b>1.86</b>
<b>Employee Emoluments</b>			
Salary, Allowances and Bonus	17	55.33	48.39
Contribution to Retirement Funds		3.38	3.15
Staff Welfare		0.98	0.81
<b>TOTAL</b>		<b>59.69</b>	<b>52.35</b>
<b>Educational Expenses</b>			
Honorarium		4.00	1.95
Students Educational Activities		4.87	3.73
Faculty Development	18	1.61	0.91
Accommodation charges (Net)		-	0.33
Sports & Games		0.11	0.07
Consumables		0.42	0.20
Other Educational Expenses		0.79	0.91
<b>TOTAL</b>		<b>11.80</b>	<b>8.10</b>

# INCOME AND EXPENDITURE

## SCHEDULE ATTACHED TO AND FORMING PART OF ACCOUNTS

Rs. in Crores			
PARTICULARS	SCHEDULE	AS AT MARCH 31, 2023	AS AT MARCH 31, 2022
<b>Financial Support to Students</b>			
Financial Aid to Students	19	8.04	5.68
Fellowship to Students		1.45	0.64
<b>TOTAL</b>		<b>9.49</b>	<b>6.32</b>
<b>Repairs and Maintenance Expenses</b>			
Building Repairs & Maintenance		5.52	4.61
Campus Development	20	0.35	0.34
Repairs to Furniture/ Equipment/Computer & Others		3.18	1.94
Security Expenses		1.93	1.61
<b>TOTAL</b>		<b>10.98</b>	<b>8.50</b>
<b>Utilities</b>			
Electric, Gas and Water Charges	21	4.08	2.23
<b>TOTAL</b>		<b>4.08</b>	<b>2.23</b>
<b>Workshops/Events &amp; Meeting Expenses</b>			
Workshops, Events & Seminars (Net)	22	1.04	0.31
Meetings and Conferences		0.63	0.21
<b>TOTAL</b>		<b>1.67</b>	<b>0.52</b>
<b>Other Administrative Expenses</b>			
Communication		0.41	0.35
Public Relation Activity		1.79	1.16
Insurance		0.29	0.28
Recruitment		0.31	0.93
Stationery & Printing		0.57	0.33
Legal & Professional Fees		0.78	0.32
Audit Fees	23	0.04	0.03
Sundry Balances written off		-	0.01
Other Miscellaneous Expenses		0.50	0.75
Loss on sale of Property Plant & Equipment (Net)		-	0.02
Travelling & Conveyance		0.81	0.27
Software Maintenance Charges		0.95	0.59
Rates and Taxes		0.76	0.44
Website Charges		0.11	0.12
<b>TOTAL</b>		<b>7.32</b>	<b>5.60</b>
<b>Finance Cost</b>			
Interest and Bank Charges	24	0.01	0.01
<b>TOTAL</b>		<b>0.01</b>	<b>0.01</b>
<b>Depreciation &amp; Amortisation</b>			
Depreciation for the year	25	20.43	17.09
Less : Transferred from Earmarked Funds		9.06	8.98
<b>TOTAL</b>		<b>11.37</b>	<b>8.11</b>



# NOTES

## SCHEDULE 26 - SIGNIFICANT ACCOUNTING POLICIES

### 1. ACCOUNTING CONVENTION

The financial statements are prepared in accordance with the Indian Generally Accepted Accounting Principles (IGAAP) under the historical cost convention, and on the accrual method of accounting and Accounting Standards as Notified by the Institute of Chartered Accountants of India.

### 2. USE OF ESTIMATES

The preparation of Financial Statements in conformity with Indian GAAP requires the management to make estimates and assumptions in the reported amounts of assets and liabilities (including contingent liabilities) as of the date of the financial statements and the reported income and expenses during the reporting period. Management believes that the estimates used in preparation of the financial statements are prudent and reasonable. Future results could differ from these estimates. Difference between the actual results and estimates are recognized in the period in which the results are known or materialise.

### 3. PROPERTY, PLANT & EQUIPMENT (PPE)

PPE are stated at cost of acquisition inclusive of freight, duties and taxes and incidental and direct expenses related to acquisition. PPE received by way of Donation are capitalized at values stated, by corresponding credit to Capital/Corpus Fund.

Capital Work in progress includes cost of PPE that are not ready for intended use as at Balance Sheet date and is disclosed under PPE.

### 4. INTANGIBLE ASSETS

Intangible Assets are stated at their cost of acquisition less accumulated amortization and impairment losses. An intangible asset is recognised, where it is probable that the future economic benefits attributable to the asset will flow to the enterprise and where its value/cost can be reliably measured. The institute capitalises software and related implementation costs where it is reasonably estimated that the software has an enduring useful life.

### 5. DEPRECIATION

Depreciation of addition to PPE has been provided on pro rata basis i.e. from the date of put to use. The depreciation has been provided on Written down Value Method and Straight Line Method at the rate as specified in the Guidance Note on "Accounting for Schools" issued by the Institute of Chartered Accountants of India except for:

- a) Building Improvements on Straight Line Method over a period of 10 years;
- b) ERP Software amortized over 5 years and Other Software's over 3 years;
- c) Other Software and Assets given to employees amortized over 3 years; and
- d) The depreciation rates for all other assets provided on Written down Value Method are as listed below.

# NOTES

## SCHEDULE 26 - NOTES FORMING PART OF ACCOUNTS

Sl. Nature of Asset	Rate of Depreciation
---------------------	----------------------

- |                                   |      |
|-----------------------------------|------|
| 1. Building                       | 5%   |
| 2. Electrical Installation        | 20%  |
| 3. Plant & Machinery              | 20%  |
| 4. Office Equipment               | 20%  |
| 5. Audio Visual Equipment         | 20%  |
| 6. Computer & Peripherals         | 40%  |
| 7. Furniture, Fixtures & Fittings | 25%  |
| 8. Vehicles                       | 25%  |
| 9. Library Books                  | 50%  |
| 10. Scientific Equipment's        | 20%  |
| 11. Kitchen Equipment's           | 100% |

Assets costing individually Rs. 5,000/- or less, wherever applicable, are depreciated at the rate of 100%.

Depreciation in Income & Expenditure Account is net of the amount of depreciation transferred from related earmarked/capital funds.

### 6. REVENUE RECOGNITION

Fees from Students are recognized on accrual basis Interest on Investments is recognized on accrual basis. Donations/contributions are recognized on its ultimate collection.

### 7. INVENTORY VALUATION

Inventories comprise of Books and Merchandise and are valued at lower of cost or net realisable value. The cost includes cost of purchase and related direct costs.

### 8. FOREIGN CURRENCY TRANSACTIONS

Transactions denominated in foreign currency are accounted at the exchange rate prevailing at the date of transaction. Foreign currency monetary items outstanding at the balance sheet date are restated at the yearend rates. Income or Expense, if any, on account of exchange difference either on settlement or on translation is charged to revenue.

### 9. INVESTMENTS

Investments classified as "Long term investments" are carried at cost (Includes unamortized premium paid on it). Premium on acquisition of investment has been amortized pro rata up to the date of maturity.





# NOTES

## SCHEDULE 25 - SIGNIFICANT ACCOUNTING POLICIES

### 10. EARMARKED/ENDOWMENTS FUNDS

#### Earmarked

Long Term Funds are earmarked for specific purpose and the same has been invested in Government Securities, Bonds and Term Deposits with Banks. The income from Investments is credited to respective funds based on average rate of interest earned on investments as the University has a pool of investments and the same has been allocated in each fund. The expenditure and advances are debited to the fund. The assets created out of Earmarked Funds where the ownership vests in the University, are merged with the assets of the University by crediting an equal amount of the Capital Fund. The balance in the respective funds is carried forward.

#### Endowment

Endowment are fund received from various individual donors, Trusts and other organizations, for establishing Chairs and for Medals & Prize, as specified by the Donors. The same has been invested in Government Securities, Bonds and Term Deposits with Banks.

The income from Investments is credited to respective funds based on average rate of interest earned on average investments as the Institute has a pool of investments and the same has been allocated in each fund. The expenditure on Medals & Prizes is met from the interest earned on investment of the respective Endowment Funds and the balance is carried forward.

In respect of Chairs, Corpus of the Endowment can be used in case of shortfall of interest income. The balances are represented by Investments and Accrued Interest.

### 11. EMPLOYEE BENEFITS

#### Defined Contribution Plan

Retirement Benefit such as Provident Fund, which is defined contribution, is provided for on actual basis as and when the contribution accrues.

#### Defined Benefits Plan

Gratuity, a defined benefit obligation, is funded through LIC of India. The liability is accrued and provided for on the basis of actuarial valuation report, as at the Balance Sheet date. Accumulated Leave encashment benefit payable on death/retirement is accounted on accrual basis as per the Actuarial Valuation report.

# NOTES

## SCHEDULE 25 - SIGNIFICANT ACCOUNTING POLICIES

### 12. GRANT/DONATION

Grants are accounted on the basis of sanction received from the Government Department or the donor.

Grants in respect of specific fixed assets are treated as Capital Grant. Capital Grants are treated as deferred income and recognized in the Income and Expenditure Account on a systematic and rational basis over the useful life of the assets i.e. Capital Grant are allocated to income in the proportion in which depreciation is charged.

Grants for meeting Revenue Expenditure (on accrual basis) are reduced to the extent utilized in the year in which expenses are incurred. Unutilized grants are carried forward and exhibited as a liability in the Balance sheet.

### 13. INCOME TAX

The income of the University is exempt from Income Tax under section 12AA of the Income Tax Act, hence no provision for Tax is therefore made in the accounts.

### 14. PROVISIONS, CONTINGENT LIABILITIES AND CONTINGENT ASSETS

Provisions involving a substantial degree of estimation in measurement are recognized when there is a present obligation as a result of past events and it is probable that there will be an outflow of resources. Contingent liabilities are not recognized but are disclosed in the accounts by way of a note. Contingent assets are neither recognized nor disclosed in the financial statements.





# NOTES

## SCHEDULE 27 - NOTES FORMING PART OF ACCOUNTS

Rs. in Crores		
PARTICULARS	AS AT MARCH 31, 2023	AS AT MARCH 31, 2022
<b>1. CONTINGENT LIABILITY</b>		
Contingent liabilities not provided for	-	-
(i) Claims against Company not acknowledged as debts	-	-
(ii) Guarantees given	-	-
(iii) Disputed demands in respect of Service Tax	1.64	1.64
Note : It is not practicable for the University to estimate the timing of cash outflows, if any, in respect of the above pending resolution of the respective proceedings		
<b>2. CAPITAL COMMITMENT</b>		
Capital Contracts remaining to be executed and not provided for (Net of Advance)	0.93	2.13
<b>3. EXPENDITURE IN FOREIGN CURRENCY</b>		
Foreign Travel & Workshop Expenses	0.30	0.03
Payment to visiting faculties	0.80	0.26
Payment towards fees for technical service	0.99	0.09
Payment for Study material access	0.79	0.18
Payment made against Grant expenses	0.02	0.57
Recruitment Expense	0.07	0.05
Payment made for Purchase of scientific equipments/Softwares	0.03	0.35
Membership and Subscription	0.10	0.21
<b>TOTAL</b>	<b>3.10</b>	<b>1.74</b>
<b>4. DETAILS OF MOVEMENT IN EARMARKED FUNDS</b>		
<b>Addition during the year:</b>		
Fund created out of Fees (Refer Schedule 14)	-	0.01
Interest Income	18.87	20.26
Other Income	0.10	-
Donation Received	11.64	20.32
Fund created for Capital Expenditure	88.47	6.06
<b>TOTAL</b>	<b>119.08</b>	<b>46.65</b>
<b>DEDUCTION MADE DURING THE YEAR:</b>		
Recurring expenditure incurred	0.11	0.35
Transferred to Income & Expenditure A/c to the extent of Depreciation	9.06	8.98
Scholarship Given	0.01	-
Grant Refunded	0.16	-
Capital Expenditure incurred	83.95	3.62
<b>TOTAL</b>	<b>93.29</b>	<b>12.95</b>

# NOTES

## SCHEDULE 28 - NOTES FORMING PART OF ACCOUNTS

PARTICULARS
<b>5. CURRENT ASSETS, LOANS &amp; ADVANCES</b> In the opinion of the Management, current assets, loans and advances have a value on realization in the ordinary course of business, equal at least to the aggregate amount shown in the Balance Sheet.
<b>6. Taxation</b> The University is registered under section 12AA of the Income Tax Act, 1961. In the absence of any taxable income, the tax provision has not been considered necessary.
<b>7.</b> Corresponding figures for the previous year have been regrouped / rearranged, wherever necessary to make them comparable with those of current year.
<b>8.</b> Figures less than Rs. 50,000 /- which are required to be shown separately have been shown actual in brackets.

As per our report of even date  
**For Sorab S. Engineer & Co.**  
Firm Registration No. 110417W  
Chartered Accountants

**CA. Chokashi Shreyas B.**  
Partner  
Membership No. 100892  
Ahmedabad  
Date: 24 June 2023

**Sanjay S. Lalbhai**  
President

**B M Shah**  
Registrar





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<b>ATUL KUMAR</b> Assistant Professor Amrut Mody School of Management PhD, IIM Ahmedabad	<b>KUNAL MANKODI</b> Senior Lecturer Amrut Mody School of Management PhD, Ganpay University	<b>SHIBASHIS MUKHERJEE</b> Assistant Professor School of Arts and Sciences PhD, Indiana University	<b>SUDHIR PANDEY</b> Senior Lecturer Amrut Mody School of Management PhD, University of Lucknow	<b>IOANNIS POULIOS</b> Associate Professor Amrut Mody School of Management PhD, University College London	<b>CHAKRAVARTHI RANGARAJAN</b> Distinguished University Professor Amrut Mody School of Management PhD, University of Pennsylvania
<b>DEEPAK KUNZRU</b> Dean Graduate School and Research Distinguished Professor School of Engineering and Applied Science PhD, University of Pittsburgh	<b>LEYA MATHEW</b> Assistant Professor School of Arts and Sciences PhD, University of Pennsylvania	<b>SHOMEN MUKHERJEE</b> Associate Professor School of Arts and Sciences PhD, Ben Gurion University	<b>SHILPA PANDIT</b> Associate Professor School of Arts and Sciences PhD, University of Madras	<b>SHASHI PRABH</b> Associate Professor School of Engineering and Science PhD, The University of Virginia	<b>RAGHAVAN RANGARAJAN</b> Professor and Dean School of Arts and Sciences PhD, University of California



<b>MAHENDRA SINGH RAO</b> Associate Professor Amrut Mody School of Management PhD, XLRI Jamshedpur	<b>RAHUL SARWATE</b> Assistant Professor School of Arts and Sciences PhD, Columbia University	<b>PRIYADARSHI SHUKLA</b> Distinguished Professor Amrut Mody School of Management Director Global Centre for Environment and Energy PhD, Stanford University	<b>VIVEK TANAVDE</b> Associate Professor School of Arts and Sciences Associate Dean, The Undergraduate College PhD, Mumbai University	<b>PRATIK TRIVEDI</b> Senior Lecturer School of Engineering and Applied Science PhD, Manipal University Karnataka	<b>MAZAD ZAVERI</b> Associate Professor School of Engineering and Applied Science PhD, Portland State University
<b>RAHUL RAO</b> Assistant Professor Amrut Mody School of Management BTech, IIT Kanpur	<b>SHISHIR SAXENA</b> Assistant Professor School of Arts and Sciences PhD, University of Cambridge	<b>RITESH SHUKLA</b> Assistant Professor School of Arts and Sciences PhD, Jamia Hamdard	<b>SUSANTA TEWARI</b> Assistant Professor School of Arts and Sciences PhD, The University of Georgia	<b>TANA TRIVEDI</b> Lecturer Amrut Mody School of Management PhD, Christ University	
<b>MAYA RATNAM</b> Assistant Professor School of Arts and Sciences PhD, Johns Hopkins University	<b>SIDDHARTH SAXENA</b> Assistant Professor Amrut Mody School of Management PhD, Gujarat Law Society	<b>CHARU SINGH</b> Assistant Professor School of Arts and Sciences PhD, University of Delhi	<b>NIMIT THAKER</b> Lecturer Amrut Mody School of Management Master of Commerce, Gujarat University	<b>JEEMOL UNNI</b> Professor Amrut Mody School of Management PhD, Gujarat University	
<b>RAMA RATNAM</b> Professor School of Arts and Sciences PhD, University of Illinois at Urban Champaign	<b>FENIL SHAH</b> Director Ahmedabad Design Lab Associate Professor Amrut Mody School of Management Graduate of National Institute of Design, Bachelor of Industrial Product Design (BDes)	<b>DIVITA SINGH</b> Assistant Professor School of Arts and Sciences PhD, IIT Gandhinagar	<b>NOOPUR THAKUR</b> Assistant Professor School of Arts and Sciences PhD, Uppsala University	<b>PANKAJ VAISH</b> Professor of Practice of Management Amrut Mody School of Management MBA, University of Minnesota	
<b>MEHUL RAVAL</b> Associate Dean, Experiential Learning and Professor School of Engineering and Science PhD, Pune University	<b>HARSHAD SHAH</b> Visiting Professor School of Engineering and Applied Science MTech, IIT Delhi	<b>RAHUL SINGH</b> Assistant Professor Amrut Mody School of Management PhD, IIM Bangalore	<b>SUJO THOMAS</b> Senior Lecturer Amrut Mody School of Management PhD, Gujarat University	<b>ADITYA VAISHYA</b> Assistant Professor School of Arts and Sciences PhD, National University of Ireland	
<b>BINNY RAWAT</b> Assistant Lecturer Amrut Mody School of Management PhD, Charusat University	<b>SAUMIL SHAH</b> Senior Lecturer Amrut Mody School of Management MBA, Maharaja Sayajirao University of Baroda	<b>RAMADHAR SINGH</b> Distinguished University Professor Amrut Mody School of Management, PhD, Purdue University	<b>DEVANATH TIRUPATI</b> Executive Provost Amrut Mody School of Management PhD, Massachusetts Institute of Technology	<b>JOSEPH VAN WEELDEN</b> Assistant Professor School of Arts and Sciences PhD, McGill University	
<b>KAMAL GHOSH RAY</b> Professor Amrut Mody School of Management PhD, University of Calcutta	<b>ZALAK SHAH</b> Senior Lecturer Amrut Mody School of Management PhD, Gujarat University	<b>ADITI SINGHAL</b> Assistant Professor School of Engineering and Applied Science PhD, IIT Roorkee	<b>ISHITA TRIPATHI</b> Assistant Professor Amrut Mody School of Management PhD, Louisiana State University	<b>DHARMESH VARADE</b> Associate Professor School of Engineering and Applied Science PhD, South Gujarat University	
<b>NAGIREDDY NEELAKANTESWAR REDDY</b> Assistant Professor School of Arts and Sciences PhD, IIT Gandhinagar	<b>EKTA SHARMA</b> Associate Professor Amrut Mody School of Management PhD, University of Rajasthan	<b>ABHINANDAN SINHA</b> Assistant Professor Amrut Mody School of Management PhD, Indian Statistical Institute Kolkata	<b>VIBHA TRIPATHI</b> Assistant Professor Amrut Mody School of Management PhD, Gujarat University	<b>DEEPAK VERMA</b> Assistant Professor School of Engineering and Applied Science PhD, IIT Delhi	
<b>ANGSHUMAN ROY</b> Assistant Professor Amrut Mody School of Management PhD, Indian Statistical Institute, Kolkata	<b>NARESH SHARMA</b> Professor of Practice of Engineering School of Engineering and Science Mastère en Techniques de l’Hélicoptère (Ecole Nationale Supérieure D’ Ingenieurs de Constructions Aéronautiques (ENSICA), France)	<b>LAKSHMI SREERAM</b> Associate Professor School of Arts and Sciences PhD, University of Mumbai	<b>BHAKTIDA TRIVEDI</b> Assistant Professor Amrut Mody School of Management PhD, Gujarat University	<b>PALLAVI VYAS</b> Associate Professor Amrut Mody School of Management PhD, Univesity Of Chicago	
<b>MOUMITA ROY</b> Assistant Professor Amrut Mody School of Management PhD, George Mason University	<b>ALOK SHUKLA</b> Assistant Professor School of Arts and Sciences PhD, University of Oklahoma	<b>MITA SUTHAR</b> Associate Professor Amrut Mody School of Management PhD, Gujarat Universit	<b>CHIRAG TRIVEDI</b> Assistant Professor Amrut Mody School of Management Master of Philosophy, Gujarat University	<b>PRADYUMANA VYAS</b> Distinguished Professor Amrut Mody School of Management Master of Design, IIT Mumbai	
<b>RANU ROYCHOUDHURI</b> Assistant Professor School of Arts and Sciences PhD, The University of Chicago		<b>KRISHNA SWAMY</b> Assistant Professor School of Arts and Sciences PhD, Academia Sinica, Taiwan		<b>SONAL YADAV</b> Assistant Professor Amrut Mody School of Management PhD, Gujarat University	



NEW APPOINTMENTS (STAFF)

ANUBHOOTI ARORA

Director, Office of International Affairs  
University Office

MUKESH RAMAVTAR BAGHEL

Executive, Culinary, Food Service and Nutrition  
University Centre

RIVIERA BARRETTO

Executive, Human Resources  
University Office

SONIA BATHLA

Director of Sports, Office of the Dean of Students  
University Office

RAHUL BHALE

Assistant Director, Food Service and Nutrition  
University Office

SHIBASIS BISWAS

Assistant Manager, Executive Assistant, Office of the Dean  
School of Public Health

MADHAVAN NAIR CHALAT

Grants Manager, Office of the Dean of Graduate School & Research  
Graduate School & Research

NITEESH CHINNAM

Executive, Food Service and Nutrition  
University Office

SHANNAN CHRISTIE

Staff Nurse, Office of the Dean of Students  
University Office

JITENDRA DESAI

Support Staff, Administration  
University Office

DEBASMITA GANGULY

Analyst, Centre for Learning Futures  
Centre for Learning Futures

JASON GEORGE

Executive, Office of International Affairs  
University Office

SHOHINI GHOSH

Director, Administration  
Chief of Staff  
University Office

ALOK GOSALIA

Assistant Manager, Career Development Centre  
University Office

RAJA JHA

Deputy Manager, Office of Undergraduate Admissions and Financial Aid  
University Office

AVLI JINDAL

Executive, Finance and Accounts  
University Office

AKASH JOSHI

Senior Manager, Career Development Centre  
University Office

DENISH KANERIYA

Assistant Manager, Information Technology  
University Office

URVI KHATRI

Executive, Student Experience and Counsellor  
Office of Undergraduate Admissions and Financial Aid  
University Office

SONU KUMAR

Assistant, Workshop  
School of Engineering and Applied Science

NARENDRA KUMAWAT

Deputy Manager, Career Development Centre  
University Office

PAYOSANEE LODHA

Manager, Advancement  
University Office

VINOD MADAAAN

Associate Director, Office of Graduate Admissions and Outreach  
University Office

HARDIK MEVADA

Senior Executive, Information Technology  
University Office

AJIT MOTWANI

Director of Advancement  
University Office

NITIN NAINWAL

Manager, Information Technology  
University Office

SMITHA NAIR

Manager, Executive Assistant, Office of the Dean  
School of Engineering and Applied Science

VAIBHAVEE NAYAK

Assistant Manager, Internships and Placements  
Career Development Centre  
University Office

ANIL NEGI

Executive, Culinary, Food Service and Nutrition  
University Centre

KRISHNA PANCHAL

Assistant Manager, Office of Undergraduate Admissions and Financial Aid  
University Office

APEXA PATEL

Manager, Human Resources  
University Office

PARDEEP RANA

Sports Coordinator, Office of the Dean of Students  
University Office

CHITRA RANA

Staff Nurse, Office of the Dean of Students  
University Office

KIRANKUMAR ROHIT

Executive, Human Resources  
University Office

AALISHA RUMDE

Manager, Office of Undergraduate Admissions and Financial Aid  
University Office

PRACHIKA SAXENA

Director, Human Resources  
University Office

BHUMI SHAH

Fellow and Analyst, Digital Curve  
Futures  
Centre for Learning Futures

PRANAV SHAH

Manager, Capstone Projects, Office of the Undergraduate College  
Undergraduate College

DRASHTI SHAH

Executive, Office of Alumni Affairs  
University Office

AMOGH SHASTRI

Senior Manager, Administration  
School of Engineering and Applied Science

NIKHEEL SHIRODKAR

Assistant Director, Operations and Administration, University Centre  
University Office

SHRADDHA SINGAUREY

Associate Director, Office of Undergraduate Admissions and Financial Aid  
University Office

CHARU SINGH

Senior Executive, Programme Office  
School of Arts and Sciences

BHARAT SOOD

Senior Manager, Workshop  
School of Engineering and Applied Science

HARDI TAKOLIA

Manager, Finance and Accounts  
University Office

HETAL THAKKAR

Assistant Manager, Office of Undergraduate Admissions and Financial Aid  
University Office

NANDINI UCHIL

Director, Office of Graduate Admissions and Outreach  
University Office

RAVI VARASADA

Assistant Manager, Laboratory  
School of Arts and Sciences

CELINE VINOD

Assistant Director, Talent Acquisition and Development, Human Resources  
University Office

DONORS AND ON-GOING SUPPORT

SIDDHARTHA KADIA AND ANJOU PAREKH

Established The Rasila Kadia and Chandrakant Kadia Endowed Visiting Professorship  
Established The Rasila Kadia Excellence in Research Award for Doctoral Students  
Established The Chandrakant Kadia Award of Merit for Graduate Management Students

DEVANATH TIRUPATI

Established The Suseela and Subrahmaniam Tirupati Need Based Scholarship  
Established a Gold Medal for Graduate Management Students

DAKSHA NIRANJAN SHAH

Established The Daksha Niranjana Shah Scholarship for the Undergraduate Education of a Girl Student (Preferably the First Learner in the Family)

BALAJI PRAKASH AND SUTAPA MUKHERJEE

Established The Maya and Nitya Ranjan Need Based Scholarship

NAMANN PIPARA (Alumnus, BCom, Class of 2001)

Established a Need Based Scholarship

VIRAL VAISHNAV AND FRIENDS (Alumnus, BBA, Class of 2004)

Established a Need Based Scholarship

FACULTY, STAFF, ALUMNI, AND STUDENTS OF AHMEDABAD UNIVERSITY

Established the Tenth Year Scholarship Fund for Students

SUBROTO AND SUSMITA BAGCHI

Established an Endowed Chair Professorship in Public Health

DEEPA JOSHI AND PANKAJ CHANDRA

Established The Meera and Mohan Chandra Joshi Scholarship for Bachelor of Arts in Psychology

DUSHYANT DAVE

Established The Late Shri Virendra Chamanlal Parekh Bursary for the Projects of Select Final Year Undergraduate Students

B M MULYE

Established The Professor B M Mulye Book Scholarship for Higher Studies in Economics

CIRCLE OF GIVING - CLASS OF 2022

Gift from the Graduating Class





#### Fourteenth Foundation Day

On our 14<sup>th</sup> Foundation Day, Vice Chancellor Pankaj Chandra expressed his gratitude to the people whose vision led to the founding of Ahmedabad Education Society and, thus, the foundation of Ahmedabad University. He said, "The Foundation Day charges us with the collective responsibility to advance the institution's objectives, to safeguard its values and the shared purpose, and to create opportunities for others, especially those who have the merit but not the means to partake in quality education and prevent it from decaying."

We have created a unique learning environment at Ahmedabad – to focus our entire attention on building citizens of tomorrow through new ways of thinking, doing, connecting, and becoming." The annual Chairman's Awards and the Ten Year Recognition honours were announced on Foundation Day. The occasion was also marked by an exceptional performance by the globally renowned Shillong Chamber Choir.





#### Twelfth Annual Convocation

As 439 students received their degrees at our 12<sup>th</sup> Annual Convocation, it was a momentous occasion that was graced by the presence of internationally renowned technology leader, former Indian Space Research Organisation (ISRO) Chairman Dr Koppillil Radhakrishnan. He said, "We should not be oblivious to the humanitarian impacts of adopting the disruptions, especially in India with a predominantly labour-intensive and rural structure. The cardinal question that any technology intervention must focus on is NOT 'which technology I need to adopt' but 'how the technology will make a difference to the life of the users'." 205 students from the Amrut Mody School of Management, 27 students from the School of Arts and Sciences, 207 students from the School of Engineering and Applied Science, and four doctoral students graduated from Ahmedabad University in December 2022.



