



Ahmedabad
University



ANNUAL REPORT

2020-2021



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ANNUAL REPORT 2020-2021

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YEAR AT A GLANCE

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.



During the academic year 2020-21, faculty at the University have won 36 competitive research grants worth INR 1890 lakhs.

KEY HIGHLIGHTS

STUDENT PRESENTATIONS	14
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RESEARCH SEMINARS	46
GRANTS	25
PATENTS REGISTERED BY STARTUPS	10



ADMISSIONS

FINANCIAL AID AND SCHOLARSHIP

INR 3,57,27,900

ONE TIME FEES SUPPORT WINTER 2021 - COVID IMPACT

INR 39,19,563

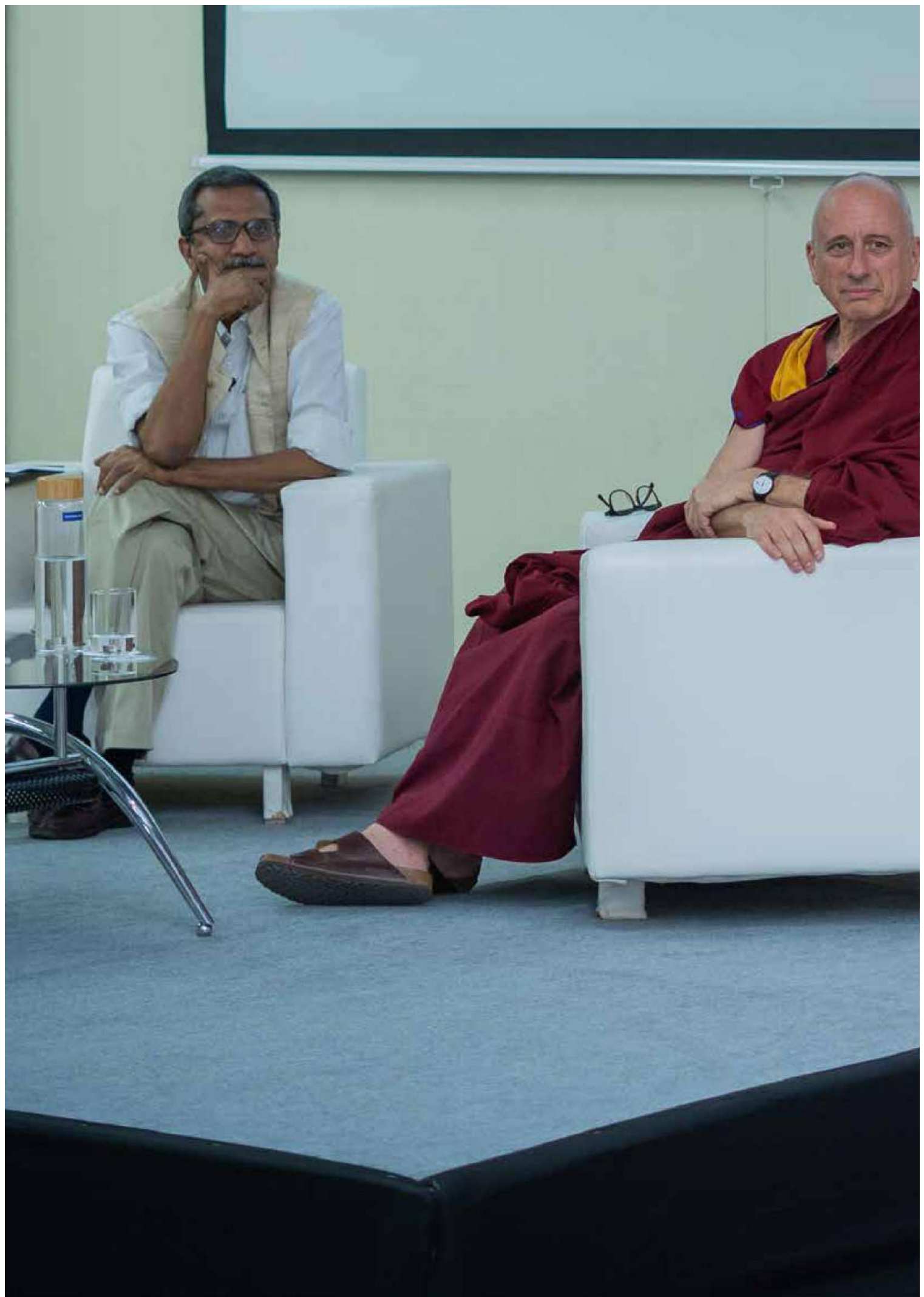
STAFF SCHOLARSHIP

INR 75,000

GRADUATING STUDENTS

UNDERGRADUATE PROGRAMMES	604
GRADUATE PROGRAMMES	179
DOCTORAL PROGRAMMES	4
GLOBAL EXECUTIVE MBA IN PHARMACEUTICAL MANAGEMENT	17
DIPLOMA AND CERTIFICATE PROGRAMMES	9





VICE CHANCELLOR'S MESSAGE

"FOR THOSE WHO ARE SATISFIED WITH THE WORLD
AS IT IS, AUROVILLE HAS NO RAISON-D'ETRE."

THE MOTHER

This description of Auroville is so apt for Ahmedabad University.

The academic year 2021 was one of personal and institutional challenges but also of courage and solidarity and hope. The University has come long ways in becoming a serious academic centre, a place where new ideas are born, and where perspectives and solutions for challenges of the society are developed. The year saw an intense disruption to the University life, testing of new technologies for instruction and engagement, pivoting to include complex challenges like the pandemic and sustainability in our curricular considerations, and engaging with urgent questions facing the society through our research. We saw the power of interdisciplinary thinking that is fostered by our signature Foundation Programme in shaping the way our young students navigated their lives and understood the implications of what was happening around them. We experimented. We bootstrapped and reinvented some of what we did and much of how we did. And I believe, we came out clearer of our purpose and path than ever before - that we are building the most unique institution of the country, one that matters to lives of people within and one that impacts well-being of people around.

As the pandemic hit the University, our faculty pivoted to build an online portfolio of classes by completely redesigning their courses. Several laboratory courses and the Foundation Programme (which was highly experiential) were redeveloped for online. Even our library sent books to students at their homes. The pandemic, its impact, and the broader issues related to challenges facing the society were woven into almost all courses at the University and research. Our purpose of fostering continuous progress of self and society became very real to us. Our direction of putting the grand challenges as motivation to learning was being justified. Students graduated on time, and we placed them quite well with the largest percentage of students opting for graduate studies at some of the premier institution globally and in the country. We also proved that we could nurture scholar athletes who represent India as well as do well academically.

Ahmedabad continued to open new opportunities for its students to build broad perspectives, deep competencies, and interdisciplinary thinking. We lead the country in building programmes that are strongly interdisciplinary, experiential, and that foster research thinking (i.e., learning to ask the right questions). The Foundation Programme has taken root and is transforming the way our students think. The Blank Lab concept in Physics, the Literature for Life course, the Future of Work offering are some of the many examples of innovative teaching that have had significant impact on how students think and what they learn. They are all designed to make our deep deeper!

The research enterprise of the University, with the support of the University grants office, grew despite the pandemic disruption. Faculty won awards for their research, published in very influential outlets, and they featured as speakers at prestigious global events. We moved our conferences online this year - all of them were unique, had very high-quality speakers, and were very well attended. Our new Centre, the Centre for Inter-Asian Research, opened new opportunities for studying ideas that concern Asia and its people. VentureStudio startups saw several key gains in terms of funding.

We look towards the next academic year to bring enormous hope and put a balm of comfort and compassion to all around the world.

PANKAJ CHANDRA

Vice Chancellor and
Chairman, Board of Management

AMRUT MODY SCHOOL OF MANAGEMENT

The mission of the School is “to advance the understanding of the practice of Management through interdisciplinary enquiry, and building ideas from there to prepare responsible leaders who understand the context, are innovative, and believe in a sustainable world.” The School currently offers wide-ranging, multi-faceted programmes, from Undergraduate, Graduate and Doctoral degrees, to short-term certificate programmes for working professionals and other practitioners. The campus is in the heart of Ahmedabad, one of India's most vibrant and historic centres of commerce. Its mercantile and industrial history underscore its present-day reputation as a hub of enterprise and new business ideas.

The School works closely with industry partners to provide a balance between rigorous practice and strong conceptual education. Moreover, it strives to bring interdisciplinary inputs and a liberal perspective to management students to develop solutions for contemporary problems. The School continuously fosters entrepreneurial thinking that might transform tomorrow's business and society. The year 2020-2021 has been a year of new beginnings across the Amrut Mody School of Management for students and faculty members. The research output of the faculty increased significantly with five publications in ABDC category journals and one in FT50, along with several other publications in refereed journals and case writing.



PROGRAMMES

Bachelor of Arts (Honours)

- Major in Economics

Bachelor of Commerce (Honours)

- Major in Accounting

Bachelor of Commerce Professional (Honours)

- 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 Research and Statistics
- Major in Operations Management
- Major in Supply Chain Management

Integrated Master of Business Administration

- Major in Family Business and Entrepreneurship

Master of Business Administration

Master of Arts in Economics

Master of Management Studies in Heritage Management

Doctoral Programme

- Management

Executive Education

- Global Executive Master of Business Administration in Pharmaceutical Management

Diploma and Certificate Programmes (Introduced in 2021)

- Business Analytics
- Financial Analysis
- Strategic Digital Marketing

FACULTY ACHIEVEMENTS

Continuing the emphasis on research and advancement, the School successfully recruited and welcomed seven new faculty members - Pradyumna Vyas, Kamal Ghosh Ray, Amrita Bihani, Puneet Arora, Rahul Singh, Vedant Dev and Ioannis Poulos during the difficult year of the pandemic.



SIDDHARTHA SAXENA
Assistant Professor

Honoured with the prestigious "2020 Ideas Worth Teaching Award" from the Aspen Institute, Washington, DC., USA. Professor Saxena's course, Future of Work, is one of the nine courses selected from worldwide entries for innovation in form and content. He is the first academic in Asia to win the award and the sole recipient from India. The other awardees are from The Wharton School, The Ross School of the University of Michigan, INSEAD, The Rotman School of the University of Toronto, and Universities of Linz, Innsbruck, Auckland, Arizona State and San Francisco State.



C RANGARAJAN
Distinguished University
Professor

Awarded the "Professor PC Mahalanobis National Award in Official Statistics, 2020" on National Statistics Day - June 29, 2020



JEEMOL UNNI
Professor

Nominated by the Central Government to the board-based "Standing Committee on Economic Statistics" (SCES) headed by India's first chief Statistician, Pronab Sen. The committee will have representatives from the United Nations, Reserve Bank of India, Finance Ministry, NITI Aayog, two industry chambers, Tata Trust, and economists and statisticians from renowned institutions.



AMOL AGRAWAL
Assistant Professor

"Mostly Economics", Professor Agrawal's thirteen year old blog series was ranked amongst the Top 100 Economics Blogs of the world by the website Intelligent Economist.



VINODH MADHAVAN
Associate Professor

In February 2021, on the occasion of Ahmedabad University's Twelfth Foundation Day, Vinodh Madhavan received the Chairman's Award for Research.



PARAGI SHAH
Assistant Professor

In February 2021, on the occasion of Ahmedabad University's Twelfth Foundation Day, Paragi Shah received the Chairman's Award for Experiment to Advance Active Learning.



AMRITA BIHANI
Senior Lecturer

Professor Amrita Bihani and Professor Nimit Thaker won the first Prize at the All-India Management Association Case Writing Competition held 30-31 March 2021 for developing a case titled 'Conflictorium- Museum of Conflict' along with the teaching note. The case focused on HR/OB Practices and preserving ethical values at the organisations.

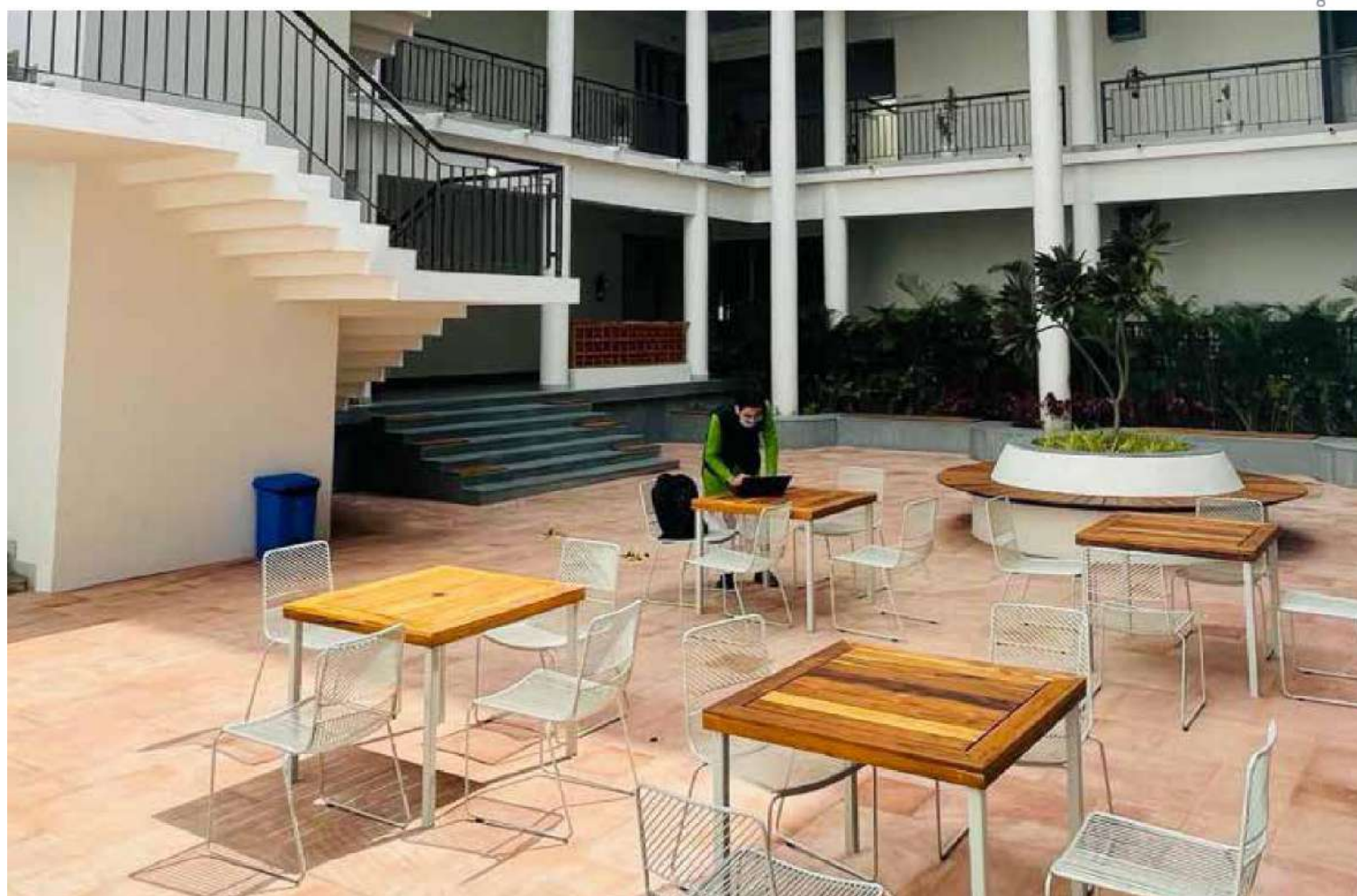


NIMIT THAKER
LECTURER



RAMADHAR SINGH
Distinguished University
Professor

Professor Ramadhar Singh was recognised with the first Lifetime Achievement Award for Excellence in Research by IIM Indore in 2021.



EVENT

CONCOURSE

A two-day inter-University management fest was held from February 6 to 7, 2021 providing an opportunity for students to apply their analytical ability, leadership and creative skills along with presentation and communication skills, and compete with some of the finest minds in the country. This year, our pandemic-aware students crafted the event around an interesting and topical theme, *'Bounce Forward'*.

250 management students from 27 reputed Universities (10 from Gujarat, 15 from the rest of India and 2 from other countries) participated in the virtual event. Christ University, Bangalore emerged as the overall winner.

CONFERENCES

2ND ANNUAL ECONOMICS CONFERENCE

Ahmedabad University organised its 2nd Annual Economics Conference from 4 - 6 March, 2021. The theme of the Conference was *"Economics in Challenging Times"*. Due to the continued uncertainties related to the COVID-19 pandemic, the conference was held virtually. More than 20 distinguished economists from across the globe were invited to share their recent research work.

The inaugural address was delivered by Dr C. Rangarajan (former Governor of the Reserve Bank of India 1992-1998), followed by multiple panels on various fields of economics. The sessions had been broadly divided into the following categories – Development Economics, Experimental Economics, Health Economics, Macroeconomics and Public Finance, and International Trade. The conference also featured a panel discussion with industry and financial sector experts on the prospects of a post-Covid rebound in the economy.

The conference featured keynote addresses by leading economists including:

- **John List** (University of Chicago),
- **Sonia Bhalotra** (University of Essex),
- **Ashima Goyal** (IGIDR), and
- **David Atkin** (MIT)

In keeping with the spirit of interdisciplinary studies at Ahmedabad University, we hosted a panel of environmental scientists who discussed the short and long-term challenges associated with green recovery in the post-pandemic era in India.

AHMEDABAD UNIVERSITY - CTIER CONFERENCE 2021: CHANGING NATURE OF INNOVATION

Ahmedabad University and the Centre for Technology, Innovation and Economic Research hosted the virtual conference themed *"Changing Nature of Innovation"*.

The conference brought together scholars working across four broad themes to identify crucial challenges and future research avenues. The discussions centred on how innovation is the key to improving quality of life, global competitiveness and sustained economic growth while public policy has a direct impact on innovation systems.

This virtual conference was intended for Indian scholars working on innovation and those working on innovation more broadly with implications for India and other emerging countries.

The speakers at the conference included:

- **Aakash Kalyani** (Boston University)
- **Abhishek Malhotra** (School of Public Policy, Indian Institute of Technology Delhi)
- **Ambuj Sagar** (School of Public Policy, Indian Institute of Technology Delhi)
- **Ashish Arora** (The Fuqua School of Business, Duke University)
- **Chirantan Chatterjee** (Indian Institute of Management Ahmedabad)
- **Janak Nabar** (Centre for Technology, Innovation and Economic Research)
- **Mihkel Tombak** (Department of Management, University of Toronto Mississauga)
- **Nanditha Mathew** (United Nations University - MERIT)
- **Naushad Forbes** (CTIER and Forbes Marshall)
- **Nicholas A. Bloom** (Department of Economics, Stanford University)
- **Pankaj Chandra** (Amrut Mody School of Management, Ahmedabad University)
- **Rakesh Basant** (Indian Institute of Management Ahmedabad)
- **Santosh Kumar Sahu** (Department of Humanities and Social Sciences, Indian Institute of Technology Madras)

STUDENT ACHIEVEMENTS



DEVANSHI JANSARI
Integrated Master of Business
Administration

Secured the second position in a Treasure Hunt competition at National Social Summit 2021 organised by the Indian Institute of Technology, Roorkee.



HELI UPADHYAY
Bachelor of Business
Administration (Honours)

Secured the first position in a letter-writing competition at तदेव रूपं रमणीयतायाः organised by Nritya Shilpi Academy in collaboration with Sanskrit Sahitya Academy.

HOMMY KHATTAR
Bachelor of Business
Administration (Honours)

Secured Gold Medal for Taekwondo Speed Kicking Championship at the 3rd Honour Taekwondo Cup National Open Championship 2021 organised by Honour Martial Arts Academy.



KOMAL BANSAL
Bachelor of Business
Administration

Secured the second position in a Case Analysis Competition, "You Can't Have it All" at Cognizance 2020 organised by St Xaviers College (Autonomous).



HARSH NARSANGANI
Bachelor of Business
Administration

Secured Gold Medal in Table Tennis Competition at Intra League Tournament organised by Ahmedabad Education Society, and two Silver Medals in Table Tennis Competition at IIM Ahmedabad Sports Tournament and Petrocup organised by Pandit Deendayal Energy University.



SNEHA SONI
Bachelor of Business
Administration (Honours)

Felicited as National Best Intern at Shriram Life Insurance Company, Hyderabad.



SHALVI SHAH
Bachelor of Business
Administration

Secured the first position in a Mock Stock Trading competition at Cognizance organised by St Xaviers College. Secured the first position in solving a murder mystery solving contest at Renaissance 2020 organised by B K School of Professional and Management Studies, and the second position at Innovision.



SONIA KAMANI
Master of Business Administration



VAIBHAV BANSAL
Master of Business Administration

Secured the first position in BEEUP Consulting Project - "Stuck in The Middle: Between Excel and MATLAB."



RADHE JOISAR
Bachelor of Commerce
(Honours)

Won Bronze Medal at the 58th National Roller Skating Championship organised by the Roller Skating Federation of India (RSFI) which was held from April 1-8, 2021 in Chandigarh, India. She participated in the category 'Solo Dance' in the age group of above 17 years (senior). She has also been selected to represent India in the age group of above 19 years (senior) at the World Championship in Paraguay in October of 2021.

GUEST LECTURES

Ashish Pandya, Founder-Director of a Non-Profit Organization iAchieve, Canada. *Strategy Implementation*. September 5, 2020

Snigdha, HR Head, Mettle, Gurgaon. *Psychometric Testing for Employee Selection*. September 8, 2020.

Debojyoti Bhattacharjee, Head HR, Glaxo Smithkline Beecham, Gurgaon. *Workforce Planning*. September 12, 2020.

Satish Lahare, People Analytics Domain, Reckitt Benckiser, Bangalore, *HR Analytics and Matrices*. September 12, 2020.

Debasis Dash, Manager HR, Indian Air Force, New Delhi. *Strategizing Function of Human Resource*. September 19, 2020.

Bhanu Pratap Singh, National Head - Jio Regional Buying and Merchandising, Reliance Retail, Mumbai. *Consumer Behaviour and Preferences*. October 10, 2020.

Gauri Das, Vice President and Head HR, India Factoring and Finance Solutions Pvt Ltd, Subsidiary of FIM Bank Group, Mumbai. *HRM Function and its Role during Pandemic*. October 10, 2020.

Rakesh Basant, Professor, Development Economics, IIM Ahmedabad. *Affirmative Action for Higher Education*. October 12, 2020.

Avnish Kothari, Partner, Real Estate Practice at M/s A M Kothari, Ahmedabad, *Legal and Regulatory Framework of Real Estate Sector in India*. October 24, 2020.

Uma Rani Amara, Senior Economist, Research Department, ILO, Geneva. *Platform and Gig Economy and the Labour Market*. October 30, 2020.

Prashant Salgaonkar, CHRO for Shapoorji Pallonji, Engineering & Construction Division, Mumbai, *HR 4.0*. November 6, 2020.

Haresh Chaturvedi, Vice President of Human Resource at Reliance Industries Limited - Petrochemicals, Mumbai. *Sustainable HRM Practices at RIL*. November 7, 2020.

Rajen Mehrotra, Advocate - High Court and Supreme Court, Mumbai. *Labor codes*. November 9, 2020.

Deep Vadodaria, CEO of Nila Infrastructure Limited, Ahmedabad. *Opportunities and Challenges of Managing Real Estate Businesses*. November 11, 2020.

Jignesh Shah, Vice President-HR, Montecarlo Limited, Ahmedabad. *Learning and Development- People, Performance and Productivity in the times of Pandemic*. January 10, 2021.

Usha Ramanathan, Human Rights Lawyer, Bhubaneswar. *Migrant Workers, Contract Labour and Bonded Labour Acts for Informal Workers*. February 5, 2021.

Gagan Sethi, Chairperson, Janvikas, Ahmedabad. *Legal Interventions for Migrant Workers during Lockdown 2020*. February 8, 2021.

Prasanna Lohar, Head Innovation, Digital Architecture, DCB Bank, Mumbai. *Block Chain Technology and Artificial Intelligence in Banking*. February 13, 2021.

Neeraj Mulani, Marketing Manager, CIE, Ahmedabad. *Due Diligence for Startups*. February 16, 2021.

Ina Ehnert, Professor, University of Brussels, Brazil. *Sustainable HRM Practices*. March 12, 2021.

Jasmine Gupta, National Head - Virtual Bank - Digital / Phygital Bank, Equitas Small Finance Bank. *Virtual Banking*. March 13, 2021.

Nisarg Nenuji, Corporate HR, Intas Pharmaceutical, Ahmedabad. *Talent Acquisition during Pandemic*. March 13, 2021.

Deepak G. Shukla, Advocate - High Court and Supreme Court, Ahmedabad. *Wage Codes*. March 20, 2021.

Ketul Shah, Head HR, Shapoorji Pallonji, Mumbai. *Competency Mapping*. March 21, 2021.

Sheetal Pillai, Planning Assistant, Ahmedabad Urban Development Authority, *Understanding the Process of Town Planning*. March 25, 2021.

Darshak Mehta, Vice President - Reliance Retail Malls and Foods, Mumbai. *Retail Landscape in India - Opportunities and Challenges*. March 27, 2021.

Sushma Bhalkikar, GMR Infrastructure Head of Human Resources, Hyderabad. *Compensation and Benefits Practices*. April 4, 2021.

Pragya Singh, Head HR, Pepsico, Hyderabad. *Diversity and Inclusion*. April 6, 2021.

Ashish Kothari, Founder, Kalpavriksh, Pune. *Indigenous Knowledge Systems in Heritage Education and Practice*. April 12, 2021.

Sushma Iyengar, Founding Member, Kutch Nav Nirman Abhiyan, Bhuj. *Indigenous Knowledge Systems - Cases from Kutch*. April 14, 2021.

Subrata Mukharjee, Head Analyst - Future Group, Mumbai. *Digital Retail - The New Normal*. April 17, 2021.

Alok Goyal, Sales and Marketing head - JK cement, Mumbai. *Distribution Channels - The Backbone of Retail*. May 24, 2021.

Atul Parikh, Former Vice President - Axis Bank, Bank of Baroda, Gujarat. *Understanding Performing and Non-Performing Assets*. June 3, 2021.

RESEARCH SEMINAR SERIES

Siddharth Saxena, Amrut Mody School of Management, Ahmedabad University, Ahmedabad. *Microsign Products, Modi Laxmichand Diyalji: A Business Run by Generations*. September 23, 2020.

Ioannis Poullos, Consultant in Living Heritage and Business, *Living Heritage as a Visitor 'Experience'*. October 20, 2020.

Jayant Rao, Loyola Marymount University Los Angeles USA. *Active Portfolio Management with Cryptocurrencies*. December 23, 2020.

Navin Kumar, Boston College, USA. *Gun Control and Crime: Evidence from Concealed Carry Laws in the United States*. January 19, 2021.

Vibha Tripathi, Finance Accounting and Control, Amrut Mody School of Management, Ahmedabad University. *Is Losses a Dead End for a Company or an Internal Reconstruction Scheme Can Save? Agency Theory, Ownership Structure and Capital Structure: An Empirical Investigation in the Indian Automobile Industry*. January 27, 2021.

Sayahnika Basu, Arizona State University. *The Impact of Drought on Structural Transformation in India*. January 28, 2021.

Rishabh Shah, High Meadows Postdoc Fellow, Atmospheric Science, Environmental Defense Fund. *Urban air pollution - assessing patterns, sources, and exposure to airborne particulate matter*. February 18, 2021.

Anant Sudarshan, Energy Policy Institute, University of Chicago, USA. *Winning the War on Air Pollution*. February 19, 2021.

Rohan Ray, Singapore Management University, Singapore. *Conditional Cash Transfer, Loss Framing, and SMS Nudges: Evidence from a Randomized Field Experiment in Bangladesh*. March 6, 2021.

Ayushi Tandon, Indian Institute of Management Ahmedabad. *Practical Electronic Medical Records: EMR Use Within Outpatient Consulting on Women's Health*. March 9, 2021.

Monika Halan and Niyati Agrawal, Dvara Research Foundation. *Impact of Information Disclosure on Consumer Behaviour: Case of AT1 Bonds*. March 24, 2021.

Moumita Roy, The Interdisciplinary Center for Economic Sciences, George Mason University, USA. *Identity, Leadership and Cooperation: An experimental analysis*. April 2, 2021.

Aasheesh Dixit, Indian Institute of Management Lucknow. *Egalitarian and Congestion Aware Truthful Airport Slot Allocation Mechanism*. April 7, 2021.

Shibashis Mukherjee, Indian Institute of Management Bangalore. *Managing Feeling Rules to Encourage Compliance in Professional-Client Encounters: The Case of Palliative Care Consultations*. April 12, 2021.

Amogh Kumbargeri, Indian Institute of Management Ahmedabad, *Product Anthropomorphism Decreases Price-Quality Judgments: The Mediating Role of Communal Norm Salience*. May 18, 2021.

Atul Kumar, Indian Institute of Management Ahmedabad. *Limits of Effects of Attachment Security (vs. Insecurity) in Close Relationships on Individual Choice Decisions for Joint Consumption*. May 20, 2021.

Mayank Aggarwal, Indian Institute of Management Ahmedabad. *Research and Market Structure: Evidence from a Pathogenic Outbreak*. June 7, 2021.

Gaurav Bhattacharya, Jawaharlal Nehru University, New Delhi. *Trade Wars and Trade Talks Revisited: An extension of the Grossman and Helpman Model (1995)*. June 10, 2021.

Punyashlok Dwibedy, Indian Institute of Management Ahmedabad, *The Innovation Triad: An Exploration of Complementarities-In-Performance Between Technological and Non-Technological Innovations in Developing Countries*. May 25, 2021.



THE CONVERSATION SERIES

Renée Van Diemen, Senior Scientist, Centre for Environmental Policy, Imperial College London and **Minal Pathak**, Senior Scientist, Global Centre for Environment and Energy, Ahmedabad University. *Energy Innovation: Accelerating the Energy Revolution.* July 4, 2020.

Bharath Shripathy, Director, India Operations, IBCC Industries India Private Limited and **Pankaj Vaish**, Professor of Practice of Management, Amrut Mody School of Management, Ahmedabad University. *Can India Unlock Global Export Manufacturing Opportunities?* July 11, 2020.

Manish Sabharwal, Chairman, Teamlease Services Limited and **Parag Patel**, Associate Dean of Undergraduate Programmes, Amrut Mody School of Management, Ahmedabad University. *The New World of Work and Education.* July 18, 2020.

Sanjeev Arora, Director, Project ECHO, Distinguished and Regent's Professor of Medicine, University of New Mexico School of Medicine, **Sunil Anand**, Executive Director, ECHO India, **Pallavi Vyas**, Associate Professor, Amrut Mody School of Management, Ahmedabad University. *Democratising Access: Using Technology to Provide Healthcare Services Across India.* July 25, 2020.

Chinmay Tumbe, Assistant Professor, Indian Institute of Management Ahmedabad and **Jeemol Unni**, Professor, Amrut Mody School of Management, Ahmedabad University. *Crisis within a Crisis: Domestic Migration in India.* August 8, 2020.

Viral V. Acharya, C.V. Starr Professor of Economics, New York University Stern School of Business, Former Deputy Governor of the Reserve Bank of India (RBI) and **Amol Agrawal**, Assistant Professor, Amrut Mody School of Management, Ahmedabad University. *Quest for Restoring Financial Stability in India.* August 13, 2020.

Reema Nanavaty, Director, Self Employed Women's Association (SEWA), India, **Deepali Khanna**, Managing Director of Asia Region Office, The Rockefeller Foundation, **Pankaj Vaish**, Professor of Practice of Management, Amrut Mody School of Management, Ahmedabad University. *The Social Sector - New Approaches to Delivering Tangible Impact.* August 21, 2020.

Santosh Desai, Managing Director and CEO, Future Brands Ltd and **Chirag Trivedi**, Assistant Professor, Amrut Mody School of Management, Ahmedabad University. *Society in the Time of Pandemic: Has COVID-19 Changed Our Social and Business Culture For Ever?* August 29, 2021.

Jagdish N. Sheth, **Charles H. Kellstadt**, Goizueta Business School, Emory University and **Pankaj Chandra**, Vice Chancellor, Ahmedabad University. *Is This The End Of The Road For Globalisation?* September 5, 2020.

R.S. Sodhi, Managing Director GCMF Limited (Amul) and **Jeemol Unni**, Professor of Economics, Amrut Mody School of Management, Ahmedabad University. *How A Cooperative of Dairy Farmers Kept the Rivers of Milk Flowing in Uncertain Times?* September 19, 2020.

Rama Bijapurkar, Thought Leader on Market Strategy and Consumer Behaviour and **Ravi Miglani**, Professor of Practice of Management, Amrut Mody School of Management, Ahmedabad University. *Why Are There No Customers In The Boardroom? Approach towards a Customer-Centric Business Strategy.* September 26, 2020.

Gary Marchant, Regents Professor of Law, Science and Innovation Sandra Day O'Connor College of Law, Arizona State University and **Nimit Thaker**, Lecturer, Amrut Mody School of Management, Ahmedabad University. *Interdisciplinary: How Ethics, Law, Regulations, and Emerging Technologies Intersect.* October 10, 2020.

B. Sambamurthy, Independent Director, National Securities Depository Limited, Governing Council Member, Insurance Information Bureau of India, Former Chairman of National Payments Corporation of India as RBI Nominee and **Amol Agrawal**, Assistant Professor, Amrut Mody School of Management, Ahmedabad University. *The Long Road To A Cashless Society.* October 17, 2020.

Amit Varma, Author, Podcaster, and Journalist, Former Managing Editor, Cricinfo, Former Consulting Editor, Yahoo India and **Sudhir Pandey**, Senior Lecturer, Amrut Mody School of Management, Ahmedabad University. *Hacking Cricket and Decoding IPL: Using the Discipline of Economics to Rewire Cricketing Strategy.* October 21, 2020.

Pratap Bhanu Mehta, Professor of Political Science, Former Vice Chancellor, Ashoka University and Former President, Centre for Policy Research and **Ravi Miglani**, Professor of Practice of Management, Amrut Mody School of Management, Ahmedabad University. *Is it Time Now for the Long-Awaited, Indian Century? India's Role in the New Post-COVID World.* October 31, 2020.

Vivek Kaul, Journalist and Freelance Writer and **Parag Patel**, Associate Dean, Undergraduate Programmes, Amrut Mody School of Management, Ahmedabad University. *Why India's Bad Loans Problem is Not Just About Bad Boy Billionaires,* November 7, 2020.

Michiel Baas, Senior Research Fellow, The Max Planck Institute in Halle Germany and Lecturer, The Institute of Interdisciplinary Studies of The University of Amsterdam and **Bijal Mehta**, Assistant Professor, Amrut Mody School of Management, Ahmedabad University. *Muscles, Masculinity, Mobility: Marketing To The New Indian Middle Class,* November 21, 2020.

V. Padmanabhan, The Unilever Chaired Professor of Marketing and Academic Director, Emerging Markets Institute INSEAD – Asia Campus and **Mahendra Singh Rao**, Associate Professor, Amrut Mody School of Management, Ahmedabad University. *Perish First, Perform Later: Radical Business Transformation for Organizational Success.* November 28, 2020.

Pronab Sen, Former Chief Statistician of India, Chair of the Standing Committee on Economic Statistics Ministry of Statistics and Programme Implementation Government of India and **Jeemol Unni**, Professor of Economics, Amrut Mody School of Management, Ahmedabad University. *Digging India Out Of A Hole: Role Of Institutions In Post-Crisis Recovery.* December 5, 2020.

C. Rangarajan, Former Governor, Reserve Bank of India, Former Governor of Andhra Pradesh Former Chairman, Economic Advisory Council to the Prime Minister and Distinguished University Professor, Ahmedabad University and **Raghavan Rangarajan**, Dean of the Undergraduate College, Professor, School of Arts and Sciences, Ahmedabad University. *Conversation with Dr C. Rangarajan: Reflections of an Academic Turned Policy Maker.* January 9, 2021.

Rohit Chandra, Assistant Professor, School of Public Policy, Indian Institute of Technology, Delhi and **Aparajith Ramnath**, Assistant Professor, Amrut Mody School of Management, Ahmedabad University. *The Future of the Industrial Public Sector: Is it in the Public Good?* January 16, 2021.

Shruti Rajagopalan, Senior Research Fellow, Mercatus Center, George Mason University and Fellow, Classical Liberal Institute, New York University School of Law and **Mona Mehta**, Associate Professor, School of Arts and Sciences, Ahmedabad University. *The Dismal State of Indian Cities: Ideas on Transforming Urban Governance.* January 23, 2021.

Varun Deshpande, Managing Director, The Good Food Institute India and **Ravi Miglani**, Professor of Practice of Management, Amrut Mody School of Management, Ahmedabad University. *Feeding 10 Billion: How Smart Protein Can Transform Food Systems For A Bold New World.* January 30, 2021.

Salil Tripathi, Journalist, Writer, Poet, Senior Advisor – Global Issues, Institute for Human Rights and Business Chair, Writers in Prison Committee, PEN International and **Chirag Trivedi**, Assistant Professor, Amrut Mody School of Management, Ahmedabad University. *Human Rights: Why Is It So Difficult For Businesses To Get This Right?* February 6, 2021.

THE CONVERSATION SERIES

Pavan Soni, Founder and Innovation Evangelist Inflexion Point Consulting Columnist and Author of *Design Your Thinking* and **Aditya Bhardwaj**, Visiting Faculty, Design Thinking, Amrut Mody School of Management, Ahmedabad University. *Design Thinking For Problem Solving: Toolsets And Skill Sets To Change Mindsets*. February 13, 2021.

Vasant Dhar, Stern School of Business and the Center for Data Science, Director of Graduate Studies, PhD Programme in Data Science, New York University and **Sanjay Chaudhary**, Interim Dean, School of Engineering and Applied Science and Dean of Students, Ahmedabad University. *The Machines Are Coming, Should We Run For The Hills? Is Artificial Intelligence A Friend Or Foe?* February 27, 2021.

Chinmay Tumbe, Assistant Professor, Indian Institute of Management Ahmedabad and **Aasha Achamma Eapen**, MA Economics Student, Ahmedabad University/ Blogger, hopeinthecinders.wordpress.com, *Pandemics, Panic, And Preparedness: Decoding The Past To Decipher The Present And Delineate The Future*. March 13, 2021.

Krishnendu Ray, Associate Professor of Food Studies Chair, Department of Nutrition and Food Studies NYU Steinhardt and **Ravi Miglani**, Professor of Practice of Management and Director, GEMBA Programme, Amrut Mody School of Management, Ahmedabad University. *The World on a Plate: How Food reflects Culture, Migration, Assimilation, Identity, and Globalisation*. March 20, 2021.

Parry Ravindranathan, Co-Founder at NPK B2B, Angel Investor, Former President and Managing Director - International for Bloomberg Media and **A.P. Ashwin Kumar**, Senior Fellow, Centre for Learning Futures, Ahmedabad University. *The Business of the News: Turmoil, Tribulations and Triumphs in the Media Industry*. March 27, 2021.

Mekhala Krishnamurthy, Senior Fellow, Centre For Policy Research Associate Professor of Sociology and Social Anthropology Ashoka University and **Karthik Rao Cavale**, Assistant Professor, Social Sciences, School of Arts and Sciences, Ahmedabad University. *The Framing of Farming: An Interdisciplinary Exploration Into Agriculture, Farmers, Markets, and Reforms*. April 3, 2021.

Yamini Aiyar, President and Chief Executive, Centre for Policy Research and **Patrick French**, Professor for the Public Understanding of the Humanities, Dean, School of Arts and Sciences, Ahmedabad University. *Making and Influencing Policy In India: Federalism, Governance, Legitimacy, Transparency, And Accountability*. April 10, 2021.

Tansen Sen, Director of the Center for Global Asia, Professor of History, NYU Shanghai, Global Network Professor, NYU and **Aparajita**

Basu, Assistant Professor, Humanities and Languages, School of Arts and Sciences, Ahmedabad University. *Connection and Conflict: The History of China-India Interactions and the Long-Awaited Asian Century*. April 24, 2021.

Karthik Muralidharan, Tata Chancellor's Professor of Economics, University of California, San Diego and **Ravi Miglani**, Professor of Practice of Management and Director, GEMBA Programme, Amrut Mody School of Management, Ahmedabad University. *National Education Policy: Transforming Schooling from Selecting and Sorting to Human Development*. May 8, 2021.

Prashant Kidambi, Associate Professor in Colonial Urban History, Centre for Urban History, University of Leicester and **Darshini Mahadevia**, Professor, Social Sciences, Associate Dean, Arts, School of Arts and Sciences, Ahmedabad University. *A Tale of Two Cities: The Making and Remaking of Bombay and Ahmedabad through Pandemics*. May 15, 2021.

Chandrika Bahadur, Director, SDG Academy, Vice President of Education, UN SDSN and Chair, The Lancet Covid-19 Commission India Task Force and **Jeemol Unni**, Professor of Economics, Amrut Mody School of Management, Ahmedabad University. *Lives and Livelihoods: Strategies Beyond Binary Actions to Curb India's COVID Crisis*. May 22, 2021.

Anirban Mahapatra, Assistant Director, Publications Division American Chemical Society and **Pallavi Vyas**, Associate Professor, Economics and Public Policy, Amrut Mody School of Management, Ahmedabad University. *Evidence in the Era of Misinformation: Using Science to Combat COVID-19 Pandemic*. May 29, 2021.

Ajay Shah, Research Professor of Business - Jindal Global Business School and **Ravi Miglani**, Professor of Practice of Management and Director GEMBA Programme, Amrut Mody School of Management, Ahmedabad University. *The Art And Science of Policy Making: At the Intersection of Economics and Politics*. June 12, 2021.

Pramod Bhasin, Chairman, ICRIER and Founder Genpact Ltd and **Pankaj Vaish**, Professor of Practice of Management, Amrut Mody School of Management, Ahmedabad University. *Humanising Organisations: A Journey to the Future of Work*. June 26, 2021.



EXECUTIVE EDUCATION

Ahmedabad University, in collaboration with the University of California San Diego, launched the Global Executive MBA Degree in Pharmaceutical Management (GEMBA PM) in September 2018, for senior/middle management professionals in pharmaceutical and allied industries.

The programme has successfully launched three cohorts, and the first cohort, 'class of 2020' graduated in November 2020.

All the cohorts have seen participants from across 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.

The Class of 2021 has 17 participants with an average age of 38.5 years and average work experience of 18.5 years. The cohort includes professionals from companies such as Biocon, Dr Reddy's Laboratories, Torrent Pharmaceuticals, Zydus Cadila, Intas Pharmaceuticals, Alcove International, Suru Pharma and so on.

The Class of 2022 has 16 participants with an average age of 36.5 years and average work experience of 15.5 years. The cohort includes professionals from companies such as Biocon, Dr Reddy's Laboratories, Torrent Pharmaceuticals, Intas Pharmaceuticals, Morepen Labs and so on.



The following globally acclaimed faculty and professors taught during the various residencies of the Global Executive MBA programme:

Professor Sorabh Bajaj

Faculty, Ambitio Global

Professor Arindam Banerjee

Professor, IIM Ahmedabad

Professor Saurav Borah

Assistant Professor, IIM Ahmedabad

Professor Rupa Chanda

Professor, IIM Bangalore

Professor Pankaj Chandra

Vice Chancellor, Ahmedabad University

Professor A Damodaran

Professor, IIM Bangalore

Professor Mukund Dixit

Former Professor, IIM Ahmedabad

Professor Rakesh Godhwani

Chairman, School of Meaningful Experiences

Professor Viswanathan Krishnan

Jacobs Family Chair in Management and Engineering Leadership and Professor of Innovation, Technology and Operations UC San Diego

Kiran Marthak

Director, Lambda Therapeutics

Professor Peeyush Mehta

Professor, IIM Calcutta

AVK Mohan

Visiting Faculty, Ahmedabad University and Former Director, Max India

Professor Michael Pollock

Adjunct Professor, UC San Diego

Dipyaman Sanyal

Founder & Director, Dono Consulting

Professor Kausalya Santhanam

Founder, SciVista IP and Communication

Professor Devanath Tirupati

Senior Dean, Academic Dean, Amrut Mody School of Management, Ahmedabad University

Professor Sundar Venkatesh

Adjunct Professor, Asian Institute of Technology

Professor John York

Adjunct Professor, UC San Diego

RESEARCH AT THE AMRUT MODY SCHOOL OF MANAGEMENT

STUDENT PRESENTATIONS

Kumar, P., & Mehta, D. *Urban form and pandemic spread: Reflections from Ahmedabad*, 1st International Conference on Climate Resilient Built Environment iCRBE, Bali, Indonesia, September, 2020.

Parihar, S., & Pathak, M. *Climate (un) Smart? Case Study of Smart City Projects in Surat, India*, Asia-Pacific Network for Global Change Research (APN), Hiroshima, Japan, December, 2020.

Shah, P. *Does Global Trade Affect the Formation of Trade Unions in India?* Nirma International Conference on Management (NICOM 2021), Ahmedabad, January, 2021.

Patni T. *What Happens When People from Different Cultures Come Together?*, Nirma International Conference on Management (NICOM 2021), Ahmedabad, January, 2021.

Mehta, D., & Kumar, P. *Informal Settlement as a Self-sufficient Responsive Neighborhood: A Case of Hollywood Basti—Gulbai Tekra, Ahmedabad*, 1st International Conference of Urban Science and Engineering, February, 2021.

Shah, P., & Mehta, D. *Analysis of Public Spaces: Identifying the Gap between Design Intent and Design Outcome*, International Conference on Resilient and Livable City Planning (RLCP 2020), Vijayawada, February, 2021.

BOOK CHAPTERS

Bhat, S. (2020). Women within Precincts: Colonialism and Racialization in the Madwoman in the Attic, Wide Sargasso Sea and Jane Eyre. In E. V. Shabli, D. Kurochkin, & G. Y.A. Ayee. (Eds.), *Women's Human Rights in Nineteenth-Century Literature and Culture*. (147-161), Maryland, US: Lexington Books: Rowman and Littlefield.

Bhat, S. (2020). Diaspora and Renewable Energy in Manubhai Madhvani's Autobiography Tide of Fortune. In E. V. Shabli, D. Kurochkin, & M. J. Crawford. (Eds.), *Discourses on Sustainability: Climate Change, Clean Energy, and Justice* (207-219), London, New York et al: Springer International Publishing, Imprint Palgrave Macmillan.

Ghosh Ray, K. (2020) Hostile Takeover: Who Benefits from Virtual Business Combination? In S. Finkelstein & C/ L. Cooper (Eds.), *Advances in Mergers and Acquisitions* Volume 19 (101-124), Bingley, UK: Emerald Publishing Limited.

Saxena, S. (2021) Human Resource Development for Business Leadership in India. In A. M. Osman Gani. (Ed.), *Human Resource Development for Business Leadership in Asia* (47-89), Kuala Lumpur: Pearson.

Sharma, E. (2020). Sustainable Human Resource Management: Making Human Resource more Sustainable. In S. Vanka & B. Rao (Eds.), *Sustainable Human Resource Management* (37-55), Singapore: Springer Nature.

Sharma, E. (2020). Talent Management Challenges for Heritage Tourism and Rural Sustainability: A Case Study of Surajgarh Fort Heritage Hotel, India. In S. Srivastava (Ed), *Capacity Building through Heritage Tourism an International Perspective: International Edition* (13-20), Canada: Taylor and Francis.

JOURNAL ARTICLES

Bhat, S. (2021). Sita-centric Revisionism in Sita's Ramayana, Androcentric Encoding and Conceptualizing the Diasporic Abba Nari. *Journal of Graphic Novels and Comics*. 1-18. <https://doi.org/10.1080/21504857.2021.1885459>

Bhat, S. (2020). Delhi, Diaspora and Religious Consciousness: Heritage and Palimpsest Architecture M. G. Vassanji's A Place Within: Rediscovering India. *Culture and Religion*. 20(4), 1-17. <https://doi.org/10.1080/14755610.2020.1833057>

Bhat, S. (2020). Fifteen Minutes of Fame: The Good Indian, Diasporic Identities and the American Media Representation in Thrity Umrigar's If Today Be Sweet. *Social Identities*, 26(4), 1-16. <https://doi.org/10.1080/13504630.2020.1780907>

Bhat, S. (2020). "Aamchi Mumbai" in Rohinton Mistry's Fiction: Urban Ecology, Filth and Foliage". *Green Letters*, 24(2), 140-154. <https://doi.org/10.1080/14688417.2020.1772846>

Chand, V, Kuril, S., & Shukla, A. (2020). Dialoguing with Teacher-Educators, Valorizing Teacher Innovations. *London Review of Education*. 18(3), 451-466. <https://doi.org/10.14324/LRE.18.3.09>.

Chand, V., Kuril, S., Deshmukh, K., & Avadhnani, R. (2021). Assessing Teacher Innovations: Expert Versus Peer Ratings. *International Journal of Educational Management*. 35(2), 467-482. <https://doi.org/10.1108/IJEM-04-2020-0185>.

Chapagain, N., & Neupane, U. (2020). Contextual Education: Rethinking Education for Nepal in the Wake of COVID-19 Crisis. *Applied Science and Technology Journal*. 1(1), 98-111. <https://doi.org/10.3126/asta.v1i1.30281>

Das Gupta, S. (2021). Using Real Options to Value Capacity Additions and Investment Expenditures in Renewable Energies in India. *Energy Policy*. 148(Part A), 111916-111916. <https://doi.org/10.1016/j.enpol.2020.111916>

Gadhvi, N. (2020). Inference under Progressive Interval Censoring for Pareto Competing Risk Failure Model. *International Journal of Statistics and Reliability Engineering*. 7(2), 211-218.

Gadhvi, N. (2020). Statistical Analyses of COVID-19 Cases in India. *Journal of Infectious Diseases and Epidemiology*. 6(4), 1-7. <https://doi.org/10.23937/2474-3658/1510153>

Ghulyani, S., Tripathi, V., Popli, M., Desai, S., & Gaur, A. (2020). Knowledge Creation Practices at Organizational Boundaries: The Role of ICT in Sickle-Cell Care for Tribal Communities. *Journal of Knowledge Management*. 25(3), 595-617, <https://doi.org/10.1108/JKM-09-2019-0521>

Gupta, V., & Dev, V. (2020). When is PFP Effective? Examining Autonomous Motivation as a Link in the Relationships between PFP Characteristics, OCB, Well-Being and Performance. *Journal of Total Rewards*. 29(4), 48-61.

Khandelwal, C., Kumar, S., Madhavan, V., & Pandey, N. (2020). Do board Characteristics Impact Corporate Risk Disclosures? The Indian Experience. *Journal of Business Research*. 121(December 2020), 103-111. <https://doi.org/10.1016/j.jbusres.2020.08.004>

Kumar, S., Madhavan, V., & Sureka R. (2020). The Journal of Emerging Market Finance: A Bibliometric Overview (2002-2019). *Journal of Emerging Market Finance*. 19(3), 326-352. <https://doi.org/10.1177/0972652720944329>

Mehta, B., & Choksi, A. (2020). Success of Women in Leadership Positions during crisis management. *Ahmedabad Chartered Accountant's (ACA) Journal*. 44(4), 21-27.

Rawat, B., & Dave, G. (2021). An Overview of Textile and Clothing Industry in Economic Growth of India and Bangladesh. *International Journal of Management*. 12(2), 875-882. <https://doi.org/10.34218/IJM.12.2.2021.085>

Saha, K., Madhavan, V., & Chandrashekhar, G. R. (2020). Relative Efficiency of Equity ETFs: An Adaptive Market Hypothesis Perspective. *Applied Economics Letters*. 28(14), 1202-1207. <https://doi.org/10.1080/13504851.2020.1804045>

Shaikh, J., & Parikh, J. (2020). The Maggi Noodles Ban: Perceived Quality, Emotional Trust and Customer Loyalty During and Post Controversy. The IUP *Journal of Brand Management*. XVII (4), 7 - 40.

Sharma, E., & Bagozzi, R. (2021). Moral Reactions to Bribery are Fundamentally Different for Managers Witnessing and Managers Committing Such Acts: Tests of Cognitive-Emotional Explanations of Bribery. *Journal of Business Ethics*. 169(2), 271-284.

Sharma, E., Peric, J., Lekom, M., & Pevnaya M. (2021). Generation Z and Volunteering: A National Culture Perspective. *The Education and Science Journal*. 23(6), 44-72. <https://doi.org/10.17853/1994-5639>

Sharma, E. (2020). Covid-19 and Employee Related Challenges for the Corporate. *Indian Journal of Industrial Relation*. 56(2), 2-19.

Shukla, K., Kuril S., & Chand, V. (2020). Does Negative Teacher Behavior Influence Student Self-efficacy and Mastery Goal Orientation? *Learning and Motivation*. 71, (101653), 1-11. <https://doi.org/10.1016/j.lmot.2020.101653>

Singh, R., & Chanda, R. (2021). Technical regulations, intermediate inputs, and performance of firms: Evidence from India. *Journal of International Economics*. 128(103412), <https://doi.org/10.1016/j.jinteco.2020.103412>

Singh, R., & Rai, H. (2021). Desiring to Punish Leaders: A New Test of the Model of People as Intuitive Prosecutors. *Journal of Theoretical Social Psychology*. 2021, 1- 14. <https://doi.org/10.1002/jts5.105>

Singh, R., & Pandey, N. (2020). Psychological Foundations of the Cleanliness Initiative in Ahmedabad City of India. *Global Journal of Human Social Science*. 20(8), 23-27. <https://doi.org/10.34257/GJHSSAVOL20IS8PG23>

Singh, R. (2020). Indian Idols Drinking Milk: Understanding the Phenomenon and its Implications for Social Reform. *Global Journal of Human Social Science*. 20(2), 15-18. <http://doi.org/10.34257/GJHSSAVOL20IS2PG1>

Singh, V., & Dev, V. (2020). Telemedicine Adoption in India Identifying Factors Affecting Intention to Use. *International Journal of Healthcare Information Systems and Informatics*. 16(1).

Thomas, S., & Jadeja, A. (2021). Psychological Antecedents of Consumer Trust in CRM Campaigns and Donation Intentions: The Moderating Role of Creativity. *Journal of Retailing and Consumer Services*. 61 <https://doi.org/10.1016/j.jretconser.2021.102589>

Thomas, S., & Yagnik, A. (2021). Examining the Effect of Message Characteristics, Popularity, Engagement, and Message Appeals: Evidence from Facebook Corporate Pages of Tourism Organizations. *International Journal of Business and Emerging Markets*. 13(1), 30-51. <https://doi.org/10.1504/IJBEM.2021.112777>

Thomas, S., & Suggala, S. (2020). Brand Building a "Premie" Care Product Line: Nurtured by Design. *Journal of International Business Education*. 15(1), 317-330.

Trivedi, C. (2021). But Flies an Eagle Flight: The Questions of Canon-formation and Literary Elitism through and around Gujarati Fiction Writer Suresh Joshi. *Sahityasetu*. Year-11(Issue 3), <http://www.sahityasetu.co.in/issue63/chirag.html>

Unni, J. (2020). Impact of COVID on Informal Economy: The Revival. *Indian Journal of Labor Economics*. 63, (Supplement 1), S113-S118, <https://doi.org/10.1007/s41027-020-00265-y>

Unni, J. (2020). Impact of Lockdown Relief Measures on Informal Enterprises and Informal Workers. *Economic and Political Weekly*. 55(51).

Unni, J., & Dev, P. (2021). How Macroeconomic Shocks Impact Employment: Comparison of Gujarat with States in Western India. *Journal of Social and Economic Development*. 23(Supplement 1), S199-S211. <https://doi.org/10.1007/s40847-020-00123-z>

Varghese, G., & Madhavan, V. (2020). Long Memory Dynamics and Relative Efficiency of Crude Oil Benchmarks: An Adaptive Market Hypothesis Perspective. *Journal of Public Affairs*. 1-11. <https://doi.org/10.1002/pa.2513>

Yadav, S. (2021). Employment and Productivity: The Role of Labor Market Flexibility in the Indian Micro Small and Medium Enterprises (MSMEs). *Zeichen Journal*. 7(4), 49-65, <https://doi.org/15.10089.ZJ.2021.V7I4.285311.2356>

Yagnik, A., & Thomas, S. (2020). Creativity Centered Brand Management Model for the Post-Covid Marketing 5.0 World. *Journal of Content, Community and Communication*. 12(6), 227-235. <https://doi.org/10.31620/JCCC.12.20/21>

CONFERENCE PROCEEDINGS

Kakkar, S., Kuril, S., Singh, S., Saha S., & Anurag, D. (2021). The Influence of Remote Communication Satisfaction and CSR Association on Employee Work Alienation and Job Satisfaction: A Moderated-mediation Study. *Proceedings of Annual Meeting of the Academy of Management*. June 30.

Kuril, S., Gupta, V., & Chand, V. (2021). Relationship between Negative Teacher Behaviors and Student Engagement: Evidence from India. *Proceedings of Annual Meeting of the American Educational Research Association*. Florida, USA., April 4-May 9.

Mehta, B., & Panda, R. (2021). Creativity and Communication in the Digital Age. Creativity and Culture for Management in a Changing World. *Proceedings of 7th International Communication Management Conference (ICMC 2021)*. January 7-9. 37 (abstract).

Saxena, S. (2020). Empirical Examination of Nudge Theory among Students. *Proceedings of Decision Science Institute 52nd Annual Conference, Decision Science Institute*. November 21-23. 376-404.

Saxena, S. (2020). Existence of Gender Role Congruity by Social Provisions: A Moderation Based Analysis. *Proceedings of Decision Science Institute 52nd Annual Conference, Decision Science Institute*. November 21-23. 555-584.

Suggala, S., & Thomas, S. (2020). Customer Relationship Building and its Determinants on Digital Healthcare Networks. *Proceedings of AMA Summer Academic Conference 2020 - Bridging Gaps: Marketing in an Age of Disruption*. August 18-20. 320-327.

Thomas, S., & Jadeja, A. (2021). Cause-Related Marketing Campaign and Donation Intentions: Investigating The Impact of Psychographic Traits, Trust and the Moderating Role of Creativity. *Proceedings of 7th International Communication Management Conference (ICMC 2021)*. January 7-9. 138-139.

CONFERENCE PRESENTATIONS

Arora, P., & Musaddiq, T. (2021). Competitive Games to Nudge Students: Experimental Evidence from India. *Association for Education Finance and Policy (AEFP) 46th Annual Conference*. Virtual, March 17-19.

Arora P., & Musaddiq T. (2020). Competitive Games to Nudge Students: Experimental Evidence from India. *Behavioral Research in Economics Workshop India (BREW India)*. Virtual, December 2-3.

Bhat, S. (2021). Ecological Consciousness in Rohinton Mistry's Narratives. *Eco-Environmental Consciousness in South Asian Anglophone Literature*. Virtual, April 21-22.

Bihani, A., & Thaker, N. (2021). Conflictorium - Museum of Conflict. All India Management Association. *India Case Research Centre: Case Writing Competition and Conference*. Virtual, India March 30-31.

Ghulyani, S., Nambudiri, R., Shaikh, R., & Tiwari, S. (2020). Business Group Affiliation and Firm Performance: Role of Organizational Psychological Capital. *Academy of International Business (AIB)*. Virtual, July 1-9.

Ghulyani, S. (2020). Known Devils or Unknown Angels - A Network Approach to Understanding Group Formation in MBA Cohorts. *Academy of Management 2020 Annual Conference - Management Education and Learning Writers Workshop*. Virtual, August 7-11.

Nair, T., Mishra, R., Baxi, H., & Oza, A. (2021). The Paradox of Progress: The Dried Fish Social Economy of Gujarat. *2021 People and the Sea Conference (MARE Conference 2021)*. Virtual, June 28-30.

Patel, S. (2020). Self-Representations: Subject and Subjectivities in Amrita Sher-Gill and Rupinder Kaur. *Anthropology and Geography: Dialogues Past, Present and Future*. Virtual, September 14-18.

Sharma, E. (2021). High Potential Traits. *Academy of Human Resource Development (AHRD) Conference*. USA, February 17-19.

Thomas S. (2021). Cause-Related Marketing Campaign And Donation Intentions: Investigating The Impact Of Psychographic Traits, Trust And The Moderating Role Of Creativity. *7th International Communication Management Conference (ICMC 2021)*. Virtual, January 7-9.

Trivedi, T. (2021). The Ghostly Vernacular: Language in Indo-Fijian Poetry. *Language Ideologies and the 'Vernacular' in South Asian Colonial and Post-colonial Literature(s) and Public Spheres*, Department of English, Jamia Millia Islamia and South Asia Institute, Heidelberg University, Virtual, March 15.

Unni, J. (2020). Concerns of Women Workers in Informal Employment. Labour Regulations in India. *The Gulati Institute of Finance and Taxation (GIFT), Thiruvananthapuram Online Conference*. Virtual, June 13.

Unni, J. (2020). Impact of COVID 19 on Informal Economy. *Implications of the COVID 19 Crisis for Labour and Employment in India: Impact, Strategies and Perspectives*. Virtual, June 8-9.

Vyas, P., & Newhouse, D. (2021). Estimating Poverty in India Without Expenditure Data A Survey-to-Survey Imputation Approach. *2021 American Economic Association (ASSA) Annual Meeting*. Virtual, January 2-5.

Yadav S. (2021). Secondary School Dropout: A Perspective. *Oxford Women's Leadership Symposium*. Oxford, UK, March 22-23.

INVITED LECTURES

Adhvaryu, B. Public Transport Accessibility and Planning Policy: An Indian perspective. University of Cambridge, UK, Virtual, January 28, 2021.

Adhvaryu, B. Expert Lecture on Planning and Design of Urban Roads. Nirma University, Virtual, April 16, 2021.

Agrawal, A. Impact of Banking Shocks: Economic Vulnerabilities in India. Ramanujan College, Delhi University, Virtual, May 1, 2021.

Baxi, H. Responsive Governance Special Session Atmanirbharta in India's States: Stressed Government Finances and Long term Implications. Accountability Initiative, Centre for Policy Research, New Delhi, Virtual, August 12, 2020.

Jhaveri, H. How to Read and Interpret Financial Statements, Western India Regional Council of ICAI, Virtual, October 30, 2020.

Pandey, S. Needs Analysis: Understanding Student Perception of Online Education, Faculty of Business Administration, GLS University, Virtual, November 1, 2020.

Parikh, J. Parametric Tests and Non Parametric Test Using SPSS, ANOVA using SPSS at the one day webinar on "Statistics, data analysis and its Application for Research". Department of Science and Technology, Gujarat Council of Science and Technology and Dharamsinh Desai University, Virtual, September 29, 2020.

Parikh, J. Mathematical Colloquium #14, Mapping Perceptions of Universities of Higher Education in India: A Comparative Analysis using DEA and Quantile Regression, School of Mathematical Sciences, Sunway University, Malaysia, October 16, 2020.

Pandey, S. Understanding Student Perception of Online Education And Enhancing Approachability and Accessibility, Dr APJ Abdul Kalam Technical University, Virtual, March 15-19, 2021.

Singh, R. Import Competition, Formalization, and the Role of Contract Labor, IGIDR, Virtual, December 18, 2020.

Singh, R. Creditor Rights and Product innovation: Evidence From India, SAMVAAD, Virtual, May 13, 2021.

Singh, R. Import Competition, Formalization, and the Role of Contract Labor. Ahmedabad University, Virtual, March 6, 2021.

Sharma, E. Sustainable HRM in Indian context, UCL, Brussels, May 4, 2021.

Trivedi, C. Pandemic and Gender: The impacts of COVID19 on Gender Inequalities in India. Youth for Swaraj, Virtual, July 11, 2020.

Unni, J. Institutional Drivers of Growth of Informal Enterprises in India. National Statistical Office, Ministry of Statistics and Programme Implementation, Virtual, September 24, 2020.

Unni, J. Approaches and Research Methods in Social Science Research. Gujarat National Law University, Gandhinagar, November 25, 2020.

Unni, J. Women's Participation in the Economy Post COVID 19, Fintech Convergence Council, Virtual, December 7 - 11, 2020.

Unni, J. Combatting Pandemic and Premature Deindustrialisation in India: A Perspective on Inter-Linked Rural-Urban Development, National Institute of Rural Development and Panchayati Raj, Virtual, March 24, 2021.

Unni, J. Female Informal Workforce amid Covid-19, Young Scholars Initiative, Virtual, May 15, 2021.

Vyas, P. Violence Against Women and Public Policy, Harris ISPP Joint Certificate Program in International Policy and Development, Virtual, October 23, 2020.

Yadav, S. Women's Expectation from Union Budget 2021, Gujarat Samachar TV (GSTV), Ahmedabad, January 29, 2021

Yadav, S. Discussion on Union Budget 2021, Doordarshan News, Ahmedabad, February 01, 2021.

Yadav, S. Labour Market: Policies and Practices. Gujarat National Law University (GNLU), Gandhinagar, May 17, 2021

RESEARCH WORKING PAPERS

Das Gupta, S., Patel M., & Madhavan V. Performance Evaluation of Fixed Income Mutual Funds– A Literature review. WP-AMSOM-21-001, Ahmedabad University.

Das Gupta, S., Patel M., & Madhavan V. Selection Ability, Timing ability and Performance Persistence of Fixed Income Mutual funds in India: An empirical Investigation, WP-AMSOM-21-002, Ahmedabad University.

Parikh, J. Content analysis of 'Breaking Gender Stereotypes' Videos and Role Portrayal of Indian women on YouTube, WP-AMSOM-21-003, Ahmedabad University.

TEACHING MATERIAL

CASES

Saxena, S. Eurus Foods, Inc- A Trailblazing Family Firm, CS-21-001. Amrut Mody School of Management, Ahmedabad University.

Tripathi, V. Internal Reconstruction Scheme: A Solution to Accumulated Losses, CS-21-002. Amrut Mody School of Management, Ahmedabad University.

Tripathi, V. Understanding Economic Value Added Analysis – A Case of Alphabet Inc (Google) and Its Competitors, CS-21-003. Amrut Mody School of Management, Ahmedabad University.

Thaker, N., & Bihani, A. Designing a Social Enterprise: The Conflictorium Story, CS-21-004. Amrut Mody School of Management, Ahmedabad University.

Thaker, N., & Bihani, A. Conflictorium - Museum of Conflict, CS-21-005. Amrut Mody School of Management, Ahmedabad University.

TEACHING NOTES

Saxena, S. Pushkarvala and Co, CS-21-001TN. Amrut Mody School of Management, Ahmedabad University.

Saxena, S., & Laddha, R. Flea Market: A Dilemma of Two Unions, Ravivari Market, CS-21-002TN. Ahmedabad University.

Saxena, S. Eurus Foods, Inc- A Trailblazing Family Firm, CS-21-003TN. Amrut Mody School of Management, Ahmedabad University.

Tripathi, V. Understanding Economic Value Added Analysis – A Case of Alphabet Inc (Google) and Its Competitors, CS-21-004TN. Amrut Mody School of Management, Ahmedabad University.

Tripathi, V. Internal Reconstruction Scheme: A Solution to Accumulated Losses, CS-21-005TN. ECCH and Amrut Mody School of Management, Ahmedabad University.

MOOC COURSES

Unni, J. Work and Employment for a Sustainable Future, EDx.org, www.edx.org/course/work-and-employment-for-a-sustainable-future, (2020)



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University

SCHOOL OF ARTS AND SCIENCES

The School of Arts and Sciences has been given a rare chance to re-imagine a place of learning in the global academy and within subcontinental traditions of scholarship and knowledge. By the mid-2020s, we hope to have hundred faculty and staff, and over a thousand students. The spectacular new School of Arts and Sciences building, designed by Rahul Mehrotra of RMA Architects stands near the entrance to the University's 113-acre campus, and contains spaces that include psychology and biology labs, interactive classrooms, a two-storey reading room and a unique double height black box theatre space. The environmentally sensitive building is a spectacular home to a dynamic educational initiative, and was conceived in the Indian modernist architectural tradition.



PROGRAMMES

Bachelor of Arts (Honours)

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

Bachelor of Science (Honours)

- Major in Physics
- Major in Computer Science

Integrated Master of Science

- Major in Life Sciences

Doctoral Programmes

- PhD in Physics
- PhD in Life Sciences
- Interdisciplinary PhD in Humanities and Social Sciences (Introduced in 2021)

Diploma and Certificate Programmes (Introduced in 2021)

- Diploma in Critical Thinking and the Liberal Arts
- Certificate Programme in Critical Thinking and the Liberal Arts

FACULTY ACHIEVEMENTS

During this past academic year, the School of Arts and Sciences welcomed twelve incoming faculty, including Rajesh Naidu, the first member of the Division of Visual and Performing Arts. In addition, Balaji Prakash joined as the Associate Dean, Sciences, Kunal Basu joined as Distinguished Professor of Humanities, and Darshini Mahadevia was named the Associate Dean, Arts.

The full list of new faculty members is as follows: Kunal Basu, Kaushik Jana, Saumya Malviya, Mona Mehta, Sutapa Mukherji, Rajesh Naidu, Shilpa Pandit, Rajesh Patkar, Balaji Prakash, Rahul Sarwate, Anjan Ananda Sen, Alok Shukla.



KUNAL BASU

Distinguished Professor
of Humanities

Recipient of the Parasuraman Award for Long-Term Impact in the Field of Marketing, from the Academy of Marketing Science. He won the award for his article 'Customer Loyalty: Towards an Integrated Conceptual Framework' (1994), co-authored with Alan Dick. This is only the second time the Academy has conferred such an award, which is based on originality, demonstrated impact, technical competence and quality of contribution to theory and practice.



DARSHINI MAHADEVIA

Associate Dean, Arts

Selected as a Coordinating Lead Author for the Third Assessment Report on Climate Change and Cities (ARC3.3), which will be published by Cambridge University Press between 2021 and 2023. The Report Series is part of Urban Climate Change Research Network (UCCRN) anchored at Columbia University.



LEYA MATHEW

Assistant Professor

Guest edited a special section in the August issue of South Asia: Journal of South Asian Studies with Ritty Lukose (New York University). This collection of five papers takes the debates in education beyond those of provision to trace how consumer-citizens engage with and imagine future selves through educational projects.



APARAJITA BASU

Assistant Professor



RITESH SHUKLA

Assistant Professor

In February 2021, on the Occasion of Ahmedabad University's Twelfth Foundation Day, Aparajita Basu and Ritesh Shukla received the Chairman's Award for Teaching. Subhash Rajpurohit received the Chairman's Award for Research.



SUBHASH RAJPUROHIT

Associate Professor



RAMADHAR SINGH
Distinguished University
Professor

Professor Ramadhar Singh was recognised with the first Lifetime Achievement Award for Excellence in Research by IIM Indore in 2021.



SANJAY SINGH
Associate Professor

- In November 2020, was featured among the top 2% of the world's scientists, with a global rank of 1411 in the area of nanoscience and nanotechnology, and was one of only 14 Indian scientists recognised on a comprehensive list developed by Stanford University of the world's nearly 7 million working scientists
- In January 2021, was promoted to Section Editor of the Journal 3Biotech for Medical Biotechnology



MAYA RATNAM
Assistant Professor

- In September 2020, was one of the only three Indian scholars to receive the prestigious Social Science Research Council Rapid Response Grant on COVID-19 and the Social Sciences, for her project 'Governing The Pandemic: Relief and Resilience in Ahmedabad, Gujarat'
- In 2021, received a New India Foundation Fellowship for her book proposal Dwelling in the Forest: The Government of Nature in Tribal Central India



ANJAN ANANDA SEN
Professor

Professor Anjan Ananda Sen was named amongst the top 2% global scientists by Stanford University. The rankings are based on a database of over 1.50 lakh scientists on the basis of their standardised citation indicators.



EVENTS

CHIASMA

CHIASMA is a student-driven “Science-Fest” organised by the School of Arts and Sciences, Ahmedabad University. This programme is a crossover between research-oriented scientific workshops during the day and cultural celebrations in the evenings. The objective behind conducting Chiasma is to connect the students to state-of-the-art laboratories. Students demonstrate and train the participants in different areas like microscopy, bioinformatics, food science, molecular biology among others. In the past five years, the event has grown to include numerous workshops, competitions, cultural events and has seen the participation of students from all over India. Every year, Chiasma is touching new heights of success and promotes research by igniting curiosity amongst the youth of the country. The fifth annual event, CHIASMA 2021, was held virtually on March 20 and 21, 2020.

VIRTUAL SUMMER SCHOOL

From June 7-11, 2021, the School of Arts and Sciences hosted a Virtual Summer School. It was designed to provide an opportunity for students in 10th-12th standard to explore a variety of disciplines whilst gaining first-hand experience of university education. The school began on the first day with keynote sessions explaining our commitment to liberal education, interdisciplinarity and innovative approaches to learning in the Sciences, Humanities and Social Sciences. Over the next three days, various faculty offered interactive and innovative sessions on a wide range of topics spanning Life Sciences, Physics, History, Philosophy and more. A total of 25 faculty members participated in the summer school and over 100 students attended.

LIBERAL ARTS PEDAGOGY IN NEW INDIA: THE RELEVANCE OF THE HUMANITIES AND SOCIAL SCIENCES

This half-day workshop, organised and conducted by faculty members of the School of Arts and Sciences, was designed primarily for high-school teachers of Humanities and Social Sciences subjects across India. The workshop, held on April 21, 2021, aimed to illuminate ways in which abstract academic ideas and conceptual categories can have practical applications in our everyday lives. By focusing on selected concepts that overlap between high-school syllabi and undergraduate education -- such as citizenship, democracy, diversity, philosophical and metaphysical concerns -- the workshop unpacked teaching approaches that bring experiential learning to the fore. It offered attendees strategies to teach these concepts such that young students relate to them and recognise their contextual significance and practical applicability. At the workshop, the Ahmedabad University faculty in turn developed an understanding of the pedagogical methods used in high school, and benefited from school teachers’ reflections on the existing syllabi and their usefulness for the students. Strategies for encouraging bright students to pursue their undergraduate studies in the Humanities and Social Sciences were also discussed.

WORKSHOPS

THE STUDY OF SOCIETY AS AN INTERDISCIPLINARY PURSUIT

Aparajita Basu conducted a workshop on The Study of Society as an Interdisciplinary Pursuit where participants explored key steps in interdisciplinary course design on May 15, 2021 as part of Ahmedabad Learning Dialogues: A Conference on Teaching and Learning. The session explored different models of interdisciplinarity in course design, particularly for topics that engage with broad humanistic or social scientific analysis.

MIDDLE-CLASS MASCULINITIES

Leya Mathew co-organized a two-part workshop on Middle-class Masculinities with Shannon Philip (Cambridge) and Sanjay Srivastava (University College, London), for students of Ahmedabad University, IIT-Gandhinagar and Central University Gujarat. The workshop was held on March 3 and 6, 2021.

ACTIVE LEARNING

Raghavan Rangarajan organised a PTTS Workshop on Active Learning at BM Birla Science Centre. The workshop was held from March 4-7, 2021.

CONFERENCES

GLOBAL AI NARRATIVES

The School of Arts and Sciences organised a two-day workshop on 11 and 12 March, 2021 in collaboration with the Leverhulme Centre for the Future of Intelligence at Cambridge University, to examine perceptions of Artificial Intelligence (AI) in fiction, journalism, literature, policy, culture and related fields in India. Videos of the presentations can be viewed here: <https://www.ainarratives.com/india-video-links>

Introduction:

- Patrick French, Dean of School of Arts and Sciences, Ahmedabad University
- Huw Price, Academic Director of the Leverhulme Centre for the Future of Intelligence; Professor of Philosophy, Trinity College, Cambridge
- Pankaj Chandra, Vice Chancellor, Ahmedabad University
- Kanta Dihal, Senior Research Fellow, Leverhulme Centre for the Future of Intelligence, University of Cambridge.

Panel 1: AI in Indian Science Fiction and Imagination

Speaker 1: Samit Basu, Author of Gameworld Trilogy

Speaker 2: Divya B, Author of Machinehood

Speaker 3: Tanuj Solanki, Author of The Machine is Learning

Panel 2: History and Philosophy of AI Technology in India

Speaker 1: Arun Sukumar, PhD Candidate, The Fletcher School, Tufts University

Speaker 2: Noopur Raval, postdoctoral researcher, AINow Institute, New York University
Speaker 3: Daud Ali, Associate Professor, South Asian Studies Department, University of Pennsylvania

Panel 3: Conceptual Perspectives on UIDAI and Aadhaar

Speaker 1: Srikanth Nadhamuni, CEO, Khosla Labs

Speaker 2: Chinmayi Arun, Resident Fellow of the Information Society Project, Yale Law School

Speaker 3: Ram Sewak Sharma, CEO, National Health Authority; former Chairman, Telecom Regulatory Authority of India (TRAI)

Panel 4: Responses to AI and Science Fact-Fiction in Hindi, Bengali, and Malayalam Literature

Speaker 1: Manoj Kumar Pandey, Author of Badalta Hua Desh: Swarnadesh Ki Lok Kathayen
Speaker 2: Shiju Sam Varughese, Assistant Professor, Centre for Studies in Science,

Technology and Innovation Policy in the School of Social Sciences, Central University of Gujarat

Speaker 3: Samrat Sengupta, Head of the Department of English at Sammilani Mahavidyalaya under University of Calcutta





ADNAN ABBASI

Bachelor of Arts (Honours)
in Social and Political Science

Launched an online media platform called Global Views 360 (globalviews360.com)



ABHIRAM SRIKANTH

Bachelor of Arts (Honours)
in Physics

Published a patent on "Deep Learning based Real Time Smart Detection of Accident Victims on Highways" with the International Patent House of the Australian Government.



DIXIT RAIYANI

Integrated MS in Life Sciences

Secured 1st prize in the Poster Competition on 'Co-Awareness' organised by AICHE in collaboration with Ahmedabad University's Magazine Club.



YASH SHAH

Integrated MS in Life Sciences

Winner in a write up competition 'Co-Awareness' organised by AICHE in collaboration with Ahmedabad University's Magazine Club.

STUDENT ACHIEVEMENTS



STUTI BHAGAT

PhD in Life Sciences

Received a Senior Research Fellowship from the Indian Council of Medical Research to carry out her doctoral research, and won the Best Poster Presentation Award at the 6th International Conference on Nanoscience and Nanotechnology (ICONN 2021) held in Chennai, India, February 1-3, 2021.



HAILEY DESAI

Integrated MS in Life Sciences

Won the Student of The Year Award (for outstanding performance and impact on community) on the occasion of Ahmedabad University's 12th Foundation Day. She also organised the competition 'Be The Changemaker For Your University' for Ahmedabad University's Youth Fest 2021, under the auspices of the Women Empowerment Forum. This event was organised based on the core idea of Mahatma Gandhi, "Be the change you want to see in the world." The aim of the competition was to bring forward the 'Changemakers' the University already has and to unleash their potential.



OEM TRIVEDI

Bachelor of Science (Honours)
in Physics

Co-founded and is the General Director of the first worldwide online high school science fair, "Connecting the Young World Fair (CYWF)", the first edition of which was held in November 2020. He was also invited as a plenary speaker at the 2020 Africa Science Buskers Festival where he was tasked with inspiring high school students from across the world towards a career in cosmology.

BHAVITA MADHU

Integrated MS in Life Sciences

Won the Gold Medal at the 58th National Roller Skating Championship, held from April 1-8, 2021 in Chandigarh. She competed in the category 'compulsory figures' in the above 17 years age group, and has been selected to represent India in the above 19 years age group at the Artistic Skating World Championship in Paraguay in October 2021.



SEMINAR AND LECTURE SERIES

TITLE OF THE LECTURE	GUEST LECTURERS	DATE
Long Decolonisation: Challenges for Curriculum in a 21st Century University	Jess Auerbach , Senior Lecturer, Anthropology, North West University, South Africa, Sujata Patel , Distinguished Professor, Sociology, Savitribai Phule Pune University, Paige Raibmon , Professor of History, University of British Columbia, Canada, Patrick French , Dean, School of Arts and Sciences, Ahmedabad University, Aditi Deo , Assistant Professor, School of Arts and Sciences, Ahmedabad University, and Aparajith Ramnath , Assistant Professor, School of Arts and Sciences, Ahmedabad University	September 4, 2020
Pluralism in Indian Mythology	Devdutt Pattanaik , Author and Mythologist, Mumbai	September 30, 2020
Pandemic and Elections: Digital and Logistical challenges for elections during COVID-19	Todd Landman , Professor in Political Science and Pro-vice Chancellor, University of Nottingham, UK, S.Y Quraishi , Former Chief Election Commissioner of India, Farhat Basir Khan , Professor in Media and Communication, Jamia Milia Islamia University, Delhi, and Leticia Cesarino , Associate Professor in Anthropology, Federal University of Santa Catarina, Brazil	October 4, 2020
What are the Classics? Ancient Languages in a Modern World	Simon Goldhill , Professor of Greek, University of Cambridge, David Shulman , Professor Emeritus, Asian Studies, Hebrew University, and Shishir Saxena , Assistant Professor, School of Arts and Sciences, Ahmedabad University	October 14, 2020
The Geography of Social Policy: Lessons from the Covid-19 Pandemic	Amit Basole , Associate Professor of Economics, Azim Premji University, Bangalore, Sai Balakrishnan , Assistant Professor of Global Urban Inequalities, UC Berkeley, USA, and Arindam Dutta , Professor of Architectural History, MIT, USA	October 19, 2020
Good Science With Small Money	Raghavendra Gadagkar , Professor, Centre for Ecological Sciences, IISc Bangalore and Amitabh Joshi , Professor, Evolutionary and Organismal Biology, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore	November 11, 2020
Reimagining the Algorithmic Society: How Can the Smartphone in Your Pocket Determine Your Future	Sheila Jasanoff Pforzheimer , Professor of Science and Technology Studies, Harvard Kennedy School, USA, Chinmayi Arun , Affiliate, Berkman Klein Center for Internet and Society, Harvard University, USA, and Kanta Dihal , Senior Research Fellow, Leverhulme Center for the Future of Intelligence, Cambridge University, UK	November 20, 2020
Chimpanzee Vocal Communication and the Search for Language Origins	Michael L. Wilson , Associate Professor, Department of Anthropology and Department of Ecology, University of Minnesota, USA	December 2, 2020
Nobel Prize in Chemistry for studies of the structure and functions of ribosome	Venki Ramakrishnan , Group Leader, MRC Laboratory of Molecular Biology, Cambridge, UK in conversation with Patrick French , Dean of the School of Arts and Sciences	January 11, 2021
CMB-Bharat-Quest for the Cosmic Origin	Tarun Souradeep , Professor and Chair, Physics and Data Science Departments, IISER Pune	January 27, 2021
Why Does Ramanujan, "The Man Who Knew Infinity", Matter?	Ken Ono , Thomas Jefferson Professor of Mathematics, University of Virginia, USA	February 3, 2021
North, South, East, West	Alice Evans , Lecturer, Social Science of Development, King's College London, UK, and Jeemol Unni , Professor of Economics, Amrut Mody School of Management, Ahmedabad University	February 10, 2021
Gandhi's Radicalism	Akeel Bilgrami , Sidney Morgenbesser Chair of Philosophy, Columbia University, USA	April 7, 2021
Aspiration to Desperation	Snigdha Poonam , Author and Journalist, Delhi	April 9, 2021
The Importance of Non-Western Philosophy: The Case of Islamic Philosophy	Seyyed Hossein Nasr , University Professor of Islamic Studies, The George Washington University, USA	April 28, 2021
Unveiling the Dark Universe	Priyamvada Natarajan , Professor, Departments of Astronomy and Physics, Yale University	May 5, 2021

RESEARCH SEMINAR SERIES

Kaushik Jana, Imperial College London, UK. *Statistical Models and Methods for Some Environmental Problems*. August 19, 2020.

Rajesh Naidu, Rose-Hulman Institute of Technology, USA. *Mundanity*. September 2, 2020.

Neeraj Kumar, IIT Gandhinagar, *Motor Learning and Memory: Plasticity in the Somatosensory System*. September 22, 2020.

Vivek Tanavde, Ahmedabad University. *Can You Spit Into this Tube Please: Diagnosing Oral Cancer Using Patient Saliva*. November 13, 2020.

Rahul Sarwate, Columbia University, USA. *The Hindu and the Brahmin: Caste and the Discourse of Modern Hinduness in Maharashtra*. December 2, 2020.

Sagnik Dutta, University of Cambridge, UK. *Becoming Righteous in Familial Spaces: The Gendered Politics of Muslim Citizenship in Contemporary India*. December 3, 2020.

Aditi Deo, Ahmedabad University, *Music Platforms and the Indian Listener: Between Data and Musical Affect*. December 4, 2020.

Suchismita Das, University of Chicago, USA. *Sikkim Organic: Of Multicultural Recognition and Developmentalist Spectacles on the Himalayan Frontier*. January 25, 2021.

Mousa Mohammadian, Reilly Center for Science, Technology and Values, University of Notre Dame, USA. *Theoretical Virtues and the Epistemic Aims of Science*. February 9, 2021.

Daniel Ferguson, Yale University, USA. *The Best is the End: An Argument in Eudemian Ethics*. February 11, 2021.

Chandler Hatch, Harvard University, USA. *The Rationality of the Hegelian State*. February 16, 2021.

Nithin George, IIT Gandhinagar. *Mind as an Intuitive Statistician and Perception as Hypothesis-Testing*. February 22, 2021.

Saumya Malviya, Ahmedabad University. *Revisiting the 'Modern' in Mathematics: An Exploratory Exercise*. February 24, 2021.

Pradeep Rai, Harish-Chandra Research Institute. *Symmetric Groups Via Card Shuffling*. March 8, 2021.

Sungchoon Kim, University of Utah, USA. *From Individual to Holistic Approaches to Understanding the Human System and Gender Differences*. March 9, 2021.

Susanta Tewari, University of Georgia, USA. *Modeling Evolutionary Forces*. March 16, 2021.

Siddharth Pandey, Cambridge University, UK. *A Sense of Magic: Bodies, Materiality, and the Making of Wonder in Fantasy Worlds*. March 18, 2021.

Eshita Mazumdar, ISI Bangalore. *A Stroll Through Davenport Constant*. April 16, 2021.

Suman Bhattacharya, University of Florida, USA. *Geometric Ergodicity of Gibbs Samplers for the Horseshoe and its Regularised Variants*. April 23, 2021.

Sudarshan R Kottai, IIT Hyderabad. *When Community Cares Becomes Community Mental Health: The Disappearance of Local Voices in Community Mental Health Programmes in Kerala*. May 6, 2021.

Bhuvan Pathak, University of Arkansas, USA. *Genome Editing and Crop Improvement: Agriculture Precision*. May 24, 2021.

Raghvinder Singh Grewal, IIT Madras. *Optical Magnetometry with Alkali Atoms*. May 27, 2021.

Curt Civin, University of Maryland, USA. *Another Adventure with CD34+ Hematopoietic Stem-Progenitor Cells: Antileukemic Efficacy of a Potent Artemisinin Combined with Sorafenib and Venetoclax*. June 16, 2021.

Vishwesh Guttal, IIS Bangalore. *Physics and Ecology of Collective Animal Motion*. June 30, 2021.

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 every month. It offers a platform for the faculty members of the School, sometimes in conjunction with colleagues from other areas of the University or experts from outside, to come together and hold conversations about their work.

The School organised monthly seminars during the academic year 2020-2021 and Murari Kumar Jha, Assistant Professor in the Division of Humanities and Languages, and Sutapa Mukherji, Assistant Professor in the Division of Mathematical and Physical Sciences were the conveners. Details of the presentations are given below:

- **Krishna Swamy and Apaar Kumar**, *Altruism and Evolution*. April 29, 2020

- **Alok Shukla and Saumya Malviya**, *Mathematics, Logic, Language and 'Ancient Indian' Thought*. October 7, 2020
- **Tanweer Fazal and Sarthak Bagchi**, *Bihar 2020: A Change in Form and Structure?* November 25, 2020
- **Rajesh Patkar and Vivek Tanavde**, *Viruses: From Plants to Animals to Humans*. December 9, 2020
- **Patrick French and Minal Pathak**, *Time and Change in the Anthropocene*. January 27, 2021
- **Chaitra Redkar and Rahul Sarwate**, *Materiality vs Morality: Gandhism and the Making of Maharashtrian Modernity*. March 24, 2021

RESEARCH AT THE SCHOOL OF ARTS AND SCIENCES

STUDENT PRESENTATIONS

Bhagat, S. *Multifunctional Nanoliposome Mediated Co-delivery of PTEN Plasmid and AKT3 siRNA for Prostate Cancer Treatment*, 6th International Conference on Nanoscience and Nanotechnology (ICONN 2021), Chennai, India, February, 2021.

Trivedi, O. *On the Trans Planckian Censorship Conjecture and Constant Roll Inflation*, 17th Russian Gravitational Conference (RUSGRAV-17), St. Petersburg, Russia, June-July, 2020.

Trivedi, O. *Swampland Conjectures and Single Field Inflation in Modified Cosmological Scenarios*, Cosmology from Home 2020, Virtual, August-September, 2020.

Trivedi, O. *The Exact Solution Approach to Warm Inflation*, 9th KIAS Workshop on Cosmology and Structure Formation, Seoul, South Korea, November, 2020.

BOOKS

Niranjana, T. (2020) *Musophilic in Mumbai*. Durham N.C: Duke University Press.

Singh, S. (2021) *Emerging Trends in Nanomedicine*. Singapore, Springer Nature.

BOOK CHAPTERS

Badiye A., Kapoor, N., Kathane P.R., & Shukla R. K. (2020). Quality Control in Forensic DNA Typing. In Shrivastava, P., Dash H.R., Lorente, J.A., & Imam, J. (Eds.), *Forensic DNA Typing: Principles, Applications and Advancements*. (585-605), Singapore: Springer Nature.

Bagchi, S. (2021). Gauravpant Mishra: Crowdmaker. In Bjorkman, L. (Ed.) *Bombay Brokers*. (322-328), Durham N.C: Duke University Press.

Jha, M. K. (2021). Ideas of Peace and Practice of Peacemaking in Pre-Modern South Asia. In Dingel, I., Rohrschneider, M., Schmidt-Voges, I., Westphal, S., & Whaley, J. (Eds.), *Handbuch Frieden im Europa der Frühen Neuzeit/Handbook of Peace in Early Modern Europe*. (131-148), Oldenbourg: De Gruyter.

Nasra, S., Chaudhuri R., & Kumar, A. (2021). Role of Nanomedicine for Cancer Immunotherapy. In Malik, A., Afaq, S., Tarique, M. (Eds.), *Nanomedicine for Cancer Diagnosis and Therapy*. (115-132), Singapore: Springer.

Singh S. (2021). Concluding Remarks and Future of Nanomedicines. In Singh S. (Ed.), *Emerging Trends in Nanomedicine*. (235-240), Singapore: Springer Nature.

Yadav, N., & Singh, S. (2021). Nanoparticles Catalyzing Enzymatic Reactions: Recent Developments and future prospects. In Singh S. (Ed.) *Emerging Trends in Nanomedicine*. (51-80), Singapore: Springer Nature.

JOURNAL ARTICLES

Abdelrehim, N., Ramnath, A., Smith, A., & Popp, A. (2021) Ambiguous Decolonisation: A Postcolonial Reading of the IHRM Strategy of the Burmah Oil Company, *Business History*. 63 (1), 98-126. <https://doi.org/10.1080/00076791.2018.1448384>

Arya, H., Toltesi, R., Eng, M., Garg, D., Merritt, T.J., & Rajpurohit, S. (2021) *No Water, No Mating: Connecting Dots from Behaviour to Pathways*. PLOS ONE. 16(6). <https://doi.org/10.1371/journal.pone.0252920>

Bais, V. S., Aggarwal, P., Bharadwaj, P., & Prakash, B. (2020) Classification, Characterization and Structural Analysis of Sugar Nucleotidyltransferase Family of Enzymes. *Biochemical and Biophysical Research Communications*. 525(3), 780-785. <https://doi.org/10.1016/j.bbrc.2020.02.148>

Balim, V., Yadav, N., Bia, N., Graillot, A., Loubat, C., Singh, S., Karakoti, A.S., & Berret, J-F. (2020). Polymer-Coated Cerium Oxide Nanoparticles as Oxidoreductase-like Catalysts. *ACS Applied Materials & Interfaces*. 12(37), 42056-42066. <https://doi.org/10.1021/acsami.0c08778>

Betancourt, N.J., Rajpurohit, S., Durmaz, E., Fabian, D.K., Kapun, M., Flatt, T., & Schmidt, P. (2021) Allelic Polymorphism at Foxo Contributes to Local Adaptation in *Drosophila melanogaster*. *Molecular Ecology*. 30(12), 2817-2830. <https://doi.org/10.1111/mec.15939>

Bhagat, S., & Singh, S. (2020). Co-delivery of AKT3 siRNA and PTEN Plasmid by Antioxidant Nanoliposomes for Enhanced Antiproliferation of Prostate Cancer Cells. *ACS Applied Bio Materials*. 3(7), 3999-4011. <https://doi.org/10.1021/acsabm.9b01016>

Bhagat, S., Yadav, N., Shah, J., Dave, H., Swaraj, S., Tripathi, S., & Singh, S. (2020) Novel Coronavirus (COVID-19) Pandemic: Current Status and Possible Strategies for Detection and Treatment of the Disease. *Expert Review of Anti-infective Therapy*. 1-24. <https://doi.org/10.1080/14787210.2021.1835469>

Chacko, M.A. (2020). English Educated as 'Ready Made' Leaders: Reinscribing Distinction Through the Student Police Cadet Project in Kerala, India. *South Asia: Journal of South Asian Studies*. 43(4), 775-792. <https://doi.org/10.1080/00856401.2020.1775356>

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Chaudhari, R., Patel P., Meghani, N., Nasra, S., & Kumar, A. (2021). Fabrication of Methotrexate-loaded Gold Nanoconjugates and its Enhanced Anticancer Activity in Breast Cancer. *3 Biotech*. 11(4), 175 <https://doi.org/10.1007/s13205-021-02718-7>

Choudhary, C., Sharma, S., Meghwanshi, K.K., Patel, S., Mehta, P., Shukla, N., Do, D.N., Rajpurohit, S., Suravajhala, P., & Shukla, J. N. (2021) Long Non-Coding RNAs in Insects. *Animals*. 11(4), 1118. <https://doi.org/10.3390/ani11041118>

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Deo, A., & Subramanian, L. (2020) Practice, Performance, and the Archive: Cases from Indian Classical Music Genres. *Indian Theatre Journal* 4 (1), 11-17. https://doi.org/10.1386/itj_00003_2

Fibi-Smetana, S., Vaz, C., Le Coz, J., Illic, S., Berrios, R., Schatzmayr, G., Tanavde, V., & Grenier, B. (2020). Research Note: Snapshot of the Transcriptome via RNA Sequencing in the Ileum of Broiler Chickens Fed Subtherapeutic Concentrations of Avilamycin. *Poultry Science*. 100(2), 998-1003. <https://doi.org/10.1016/j.psj.2020.11.012>

Gogoi, M., Jayachandran, N., Vaishya, A., Babu, S., Satheesh, S.K., & Moorthy, K.K. (2020.) Airborne In Situ Measurements of Aerosol Size Distributions and Black Carbon Across the Indo-Gangetic Plain during SWAMI-RAWEX. *Atmospheric Chemistry and Physics*. 20(14), 8593-8610. <https://doi.org/10.5194/acp-20-8593-2020>

Gogoi, M., Pandey, S., Arun, B. S., Nair, V. S., Thakur, R. C., Chaubey, J. P., Tiwari, A., Manoj, M. R., Kompalli, S. K., Vaishya, A., Priyith, S. S., Hegde, P., & Babu, S. S. (2021) Long-Term Changes in Aerosol Radiative Properties Over Ny- Ålesund: Results from Indian Scientific Expeditions to the Arctic. *Polar Science*. <https://doi.org/10.1016/j.polar.2021.100700>

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CONFERENCE PRESENTATIONS

Mathew, L. (2021). A Spatial analysis of Anticipation: Affective Labour, Gender, and Precarity Management in India. *Association of Social Anthropologists of the UK Conference, 2021 (ASA21)*. Virtual, March 29-April 2.

Rajpurohit S. (2020). Water Balance in Insects: Macrophysiology to Molecules. *National Conference on Evolution and Adaptation: Current Scenario*. Orissa, India, December 10-11.

Rao-Cavale, K. (2020). The Village Speaks Back: Village Studies, Peasant Politics, and the Spatial Imaginaries of Indian Developmentalism, 1915-1965. *Society of Advancement of Socio-Economics Annual Meeting*. Amsterdam, Netherlands, July 18-21.

Tanavde V. (2021). Flow Cytometry in Stem Cell Biology. *22nd Indo-US Cytometry Workshop*. Virtual, February 22-28.

INVITED LECTURES

Chacko, M. A. Youth and Citizenship in Contemporary India. Critical Youth and Childhood Studies Dialogues, Critical Childhoods and Youth Studies Collective and School of Education, Ambedkar University, Delhi, June 3, 2020.

Chacko, M. A. Let's Talk Feminism, Women Empowerment Forum, Ahmedabad University, Virtual, September, 2, 2020.

Mahadevia, D. Reflections on the Affordable Rental Housing Scheme and the Policy Paradigm, Impact and Policy Research Institute India (IMPRI), Virtual, August 8, 2020.

Mahadevia, D. Rental Housing and Way Forward for the Provision of Safe, Affordable and Adequate Housing for Urban Poor, Lal Bahadur Shastri National Academy of Administration, Virtual, September 25, 2020.

Mahadevia, D. Technical Note on Statistical Methods Used to Estimate Demographic Projections of MPD-2041 Submitted by NIUA, Delhi Development Authority, Virtual, January 06, 2021.

Mahadevia, D. OPTIMISM Project Findings, UKRI - Natural Environment Resource Council, Virtual, January 13-14, 2021.

Mahadevia, D. Role of Housing in Reviving the Indian Economy, Foundation for Economic Growth and Welfare, Virtual, January 15, 2021.

Mahadevia, D. Urban Sanitation, Asian Century Foundation, Virtual, January 23, 2021.

Mahadevia, D. Reconceptualising Sustainable Mobility-The Housing Transport Nexus. Martin Centre for Architectural and Urban Studies, University of Cambridge, Virtual, January 28, 2021.

Mahadevia, D. Stakeholder Consultation - To Discuss Implementation Strategy for the Budget Announcements Made for the Year 2021-22 in the Infrastructure Sector, Ministry of Housing and Urban Affairs, Government of India, Virtual, February 16, 2021.

Mahadevia, D. India's Low Income Urban Settlements: How Inclusive, Liveable and Accessible Are They? (Panelist). Centre for Science and Environment, Virtual, March 31, 2021.

Mahadevia D. Context setting – Land, Climate & Informal Settlements. Roundtable on Land, Climate & Informal Settlements in India, Indo-Global Social Service Society (IGSSS), Virtual, March 24-25, 2021.

Mahadevia, D. Infrastructure the City: Trajectories of Violence (Panelist). Impact and Policy Research Institute, Virtual, April 07, 2021.

Mahadevia, D. Rethinking Urban Geography and Planning through COVID-19 - Urban Transportation in COVID-19 Times. Israel Institute of Technology and Utrecht University, Virtual, April 20, 2021.

Mathew, L. Globalization and its Contradictions. TISS Hyderabad, Hyderabad, September 10, 2020.

Mukherji, S. Phase Transitions in Driven Exclusion Processes. Physics Master Class Series, Department of Physics, Goa University, Panaji, October 24, 2020.

Rajpurohit, S. *Drosophila Melanogaster* as a Model. Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore, January 27, 2021.

Rajpurohit, S. Evolution: Mechanisms and Evidence, "Gyan Ganga" An Initiative of Department of College Education, Rajasthan. Department of Zoology, Meera Girls College, Udaipur, India, 11th January 2021.

Shukla, A. Tiling Proofs of Jacobi Triple Product and Rogers-Ramanujan Identities, Online Seminar Series: Topics in Special Functions and Number Theory, Virtual, July 30, 2020.

Shukla, R. Role of Nanotechnology in Investigative and Preventive Forensics, Webinar Series - Expert Talk, Department of Forensic Science, Jain (Deemed-to be University), Virtual, July 15, 2020.

Swamy, K. B. Genetic Variation by Random Mutation - Exploring Fitness and Population Change under Selection, BEACON Center for the Study of Evolution in Action, Michigan State University, USA, July 1, 2020.

Shukla, R. Forensic Toxicology: Analytical Methods. E-Lecture Series, Department of Forensic Science, Government Institute of Forensic Science, Nagpur, March 6, 2021.

Swamy, K. B. Molecular Evolution. National Science Day Lecture, Ahmedabad University, February 28, 2021.

REPORTS

Keita, O. (2020). *Final Report on the Japan Foundation Grant Program*, Japan Foundation, New Delhi, India

Mahadevia, D., & Desai, R. (2021). *Access to Relief Entitlements and Implementation of Central Government Directives: A survey of Low-Income Settlements in Ahmedabad during lockdown due to COVID - 19*. Citizens for Shelter and Housing Alliance (CISHAA), Ahmedabad, India.

RESEARCH WORKING PAPERS

Pande, A. S., Crossed Product by R-actions of bundles of strongly self-absorbing C^* -algebras and some physical applications, WP-SAS-21-001. Ahmedabad University

Pande, A. S., On Higher Topological T-duality Functors, WP-SAS-21-002. Ahmedabad University

Rajpurohit, S., No Water, No Eggs: Insights from a Warming Outdoor Mesocosm. WP-SAS-21-003. Ahmedabad University

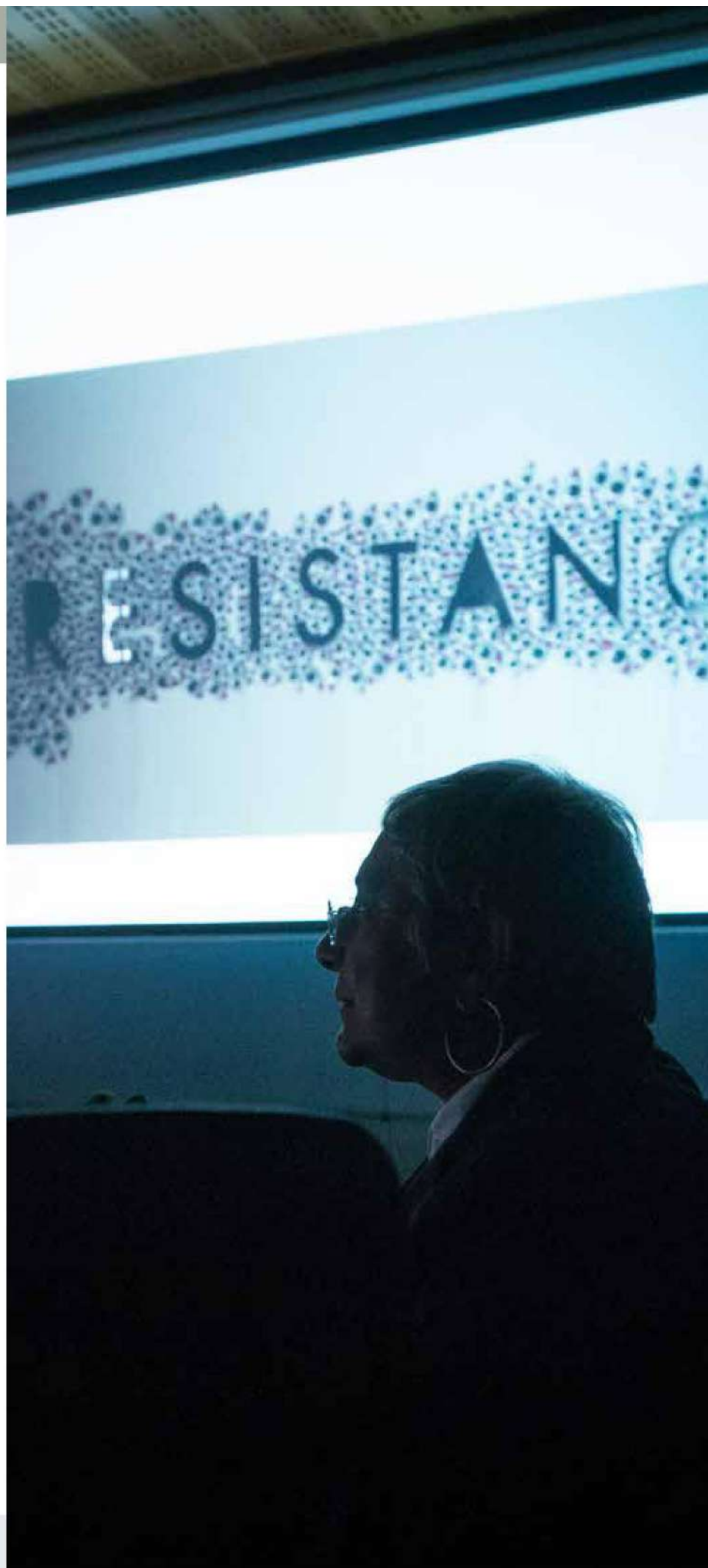
Rajpurohit, S., No Water, No Mating: Connecting Dots from Behaviour to Pathways. WP-SAS-21-004. Ahmedabad University

Swamy, K. B., Lee, H. Y., & Leu, J. Y. Proteotoxicity Caused by Perturbed Protein Complexes Leads to Hybrid Incompatibility. WP-SAS-21-005. Ahmedabad University

TEACHING MATERIAL

DATA SET

Keita, O. (2020). Text Data of Presidential Decision Directives for Eleven U.S. Administration. (Not Publicly Available).



SCHOOL OF ENGINEERING AND APPLIED SCIENCE

The new engineering curriculum designed and implemented by the School of Engineering and Applied Science has enabled the school to offer a unique Engineering Programme. Engineering foundation core courses have made engineering education integrative, whereas the Foundation Programme and General Education Requirements have made the programme strongly grounded. Innovations in the curriculum, as well as pedagogy, are developing engineering students to become critical thinkers capable of addressing large and complex societal challenges based on strong engineering fundamentals and applications. Students are consistently improving in terms of placements in leading companies to pursuing higher studies at universities of national and international repute.



Faculty members have defined three major multi-disciplinary research clusters: Innovation Cluster for Pharmaceutical Industries, Intelligent Transportation Systems, and Manufacturing and Automation. These clusters are focused on short-term to long-term impactful research outcomes and researchers as well as practitioners across leading organisations are contributing to this process. Faculty members have initiated research proposals in these directions with external collaborators.

The School was instrumental in signing a Memorandum of Understanding with the Space Applications Centre of ISRO for active academic and research collaboration.

Sixteen ENABLE courses were offered during the year, all designed to integrate best practices in teaching-learning pedagogy.

PROGRAMMES

Bachelor of Technology

- Major in Chemical Engineering
- Major in Computer Science and Engineering
- Major in Information and Communication Technology
- Major in Mechanical Engineering

Master of Technology

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

Doctoral Programme

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

FACULTY ACHIEVEMENTS

During this past academic year, the School of Engineering and Applied Science welcomed four new faculty - Akhand Rai, Mazad Zaveri, Sham Gurav, and Vinod Mall.



AKHAND RAI
Assistant Professor



MEHUL RAVAL
Associate Dean,
Experiential Learning



DHAVAL PATEL
Assistant Professor



Won a prize in the 'Dare to Dream 2.0' contest organized by the Defense Research and Development Organization (DRDO). He was awarded the third prize under the individual category for his entry on "Data-Driven Health Monitoring and Early Warning Diagnostic Tools for Aero Gas Turbine Engines". He offered condition monitoring solutions to eradicate the catastrophic failures in aero engines occurring due to faults in rolling element bearings.

Received "IEEE Access Outstanding Associate Editor of 2020" Award .

- Received Ahmedabad University - Chairman's Award for Experiment to Advance Active Learning
- He was also nominated for Best Research Paper "On the Physical Layer Security over Alpha-Iota-Kappa-Mu Fading for Relay based Vehicular Networks" in the 21st IEEE International Conference on Signal Processing and Communication (SPCOM), IISc Bangalore in July 2020

EVENTS

INGENIUM

Ingenium is an annual technology festival hosted by the School of Engineering and Applied Science, Ahmedabad University since 2016. This year Ingenium was conducted virtually from April 2-4, 2021 with precursor workshops from February 12, 2021.

The six week festival included workshops and talks such as:

- A Voyage into the UI/UX World
- Web Development Technology
- MATLAB Workshop
- Hands-on Google Developer Console
- Kick start Docker
- Talk on Industry 4.0
- CNC Machining Workshop
- Kickstart IOT

- Data Science: Talking with Tech Ingenium
- Arduino Workshop
- Machine Fault Diagnosis Workshop
- Industrial Talk on Project Management
- Application of FEA in Space
- Robotics and Careers in CSE

A virtual industrial visit on R&D in Agrochemical was also organised. Students competed through various online platforms in events such as Ingenious Hackathon 2.0, Ingenious Mechathon 2.0, Kaggle Competition, Codefi, E-Treasure Hunt, Need for Solution, Chemical Hunt, IoT Auction and Road to Treasure.

STUDENT ACHIEVEMENTS

DEVEN PARIKH

Bachelor of Technology
in Mechanical Engineering

Secured the first position in the event 'Blast from the Past' organised by AIChE Ahmedabad University and AIChE NIT Rourkela on July 29, 2020.

PARTH PATEL

Bachelor of Technology
in Chemical Engineering

Received an International Student Chapter Leadership Development Award 2020 by the American Institute of Chemical Engineers (AIChE).

HARSH KAKASANIYA and NIHIR DHAMECHA

Bachelor of Technology in Information
and Communication Technology

Won a Global Entrepreneurship Hackathon organized online by Ureka Education Group, UK

JAINAM SHAH

Bachelor of Technology
in Mechanical Engineering

Represented Ahmedabad University at the Student Leadership Training Conference-2020 (SLTC) by the American Society of Mechanical Engineers. He was also selected as a Student Liaison for the Industrial & Cogeneration committee of the International Gas Turbine Institute's Turbo Expo-2021.

NIHAR KALOLIA

Bachelor of Technology
in Mechanical Engineering

Secured the first position in the Marathonology (7 km cycling), an event which was organised by the IEEE Ahmedabad University student branch.

DHRUV GAJERA

Bachelor of Technology
in Chemical Engineering

Won at the event 20 Questions – STEM Edition organised by AIChE, Ahmedabad University Student Chapter.



SMIT MANDAVIA

Bachelor of Technology
in Information and
Communication Technology

Recruited by Google for the position of Software Engineer.



BHARGAV PATEL

Bachelor of Technology
in Information and
Communication Technology

Student Award for Outstanding Performance and Impact on Community" on the Twelfth Foundation Day of the University.



SHREY SHAH

Bachelor of Technology
in Mechanical Engineering

Secured the first position in an Article Writing Competition organised by ASME (American Society of Mechanical Engineers) Student Regional Board - Asia Pacific.



YASHRAJ KAKKAD

Bachelor of Technology
in Information and
Communication Technology

Selected for the prestigious Summer Internship at Goldman Sachs for 2021.

SHAUNAK VYAS

Bachelor of Technology
in Information and
Communication Technology

SMIT MANDAVIA

Bachelor of Technology
in Information and
Communication Technology

YASHRAJ KAKKAD

Bachelor of Technology
in Information and
Communication Technology

Achieved National Rank 4 and International Rank 63 in IEEEExtreme.



DIPIKA PAWAR

Bachelor of Technology in
Information and Communication
Technology

Selected as a Research Intern for a Summer Internship at ISRO (Indian Space Research Organisation).

JEET SHAH, Bachelor of Technology in Information and Communication Technology
MANASVI DOBARIYA, Bachelor of Technology in Information and Communication Technology
AANSHI PATWARI, Bachelor of Technology in Information and Communication Technology
MIRACLE RINDANI, Bachelor of Technology in Information and Communication Technology
DISHITA MADANI, Bachelor of Technology in Information and Communication Technology
MEET SHAH, Bachelor of Technology in Chemical Engineering
PARVA RAVAL, Bachelor of Technology in Chemical Engineering
ABHIJEET MANEK, Bachelor of Technology in Mechanical Engineering
NISARG GANDHI, Bachelor of Technology in Mechanical Engineering
DRASHTI SONI, Bachelor of Technology in Information and Communication Technology

Students in the above list were selected as the Spark India Fellows at the Social Impact Lab at the University of Southampton, UK. They worked on three projects: (1) "Mijwan Welfare Society"-A mobile application to help rural job seekers find work post-pandemic, (2) "Kranti"- Digitisation of Kranti's curriculum and (3) "SafeCity"-Visualisation of SafeCity's national dataset.

INDUSTRIAL VISITS

The industrial visit to RBD Engineers, Ahmedabad was organised for the BTech (Mechanical) students on October 17, 2020.

RESEARCH SEMINAR SERIES

- **Ramesh Gardas**, IIT Madras. *Environment Benign Solvents for Sustainable Developments in Chemical and Technological Applications*. February 3, 2021.
- **Gopalkrishna Joshi**, Karnataka State Higher Education Council, Bengaluru (India). *Engineering Exploration: A Collaborative Experience of Designing and Evolving a first-year BE Course*. February 10, 2021.
- **Pathik Pathak**, University of Southampton, UK, *Challenge Based Learning, 21st Century Employability and the Experiences of the Social Impact Lab*. March 31, 2021.

SCHOOL ACHIEVEMENTS

- **Harshad Shah** was invited as a subject expert for the recruitment of Assistant Professor in Chemical Engineering by SAL EDUCATION CAMPUS as a GTU member of the committee on June 4, 2021
- **Srikrishnan Divakaran** delivered a talk on "Data Science: A computing Perspective" as part of a webinar series organised by School of Arts and Sciences, Ahmedabad University on July 30, 2020
- **Keyur Joshi** delivered a talk on the topic "COVID-19 Recovery Model and Advanced Industries" for the participants of the virtual national workshop on AI for fight Against COVID19 (AIAC19) on October 24, 2020
- **Akhand Rai** served as a speaker in the workshop "Machine Fault Diagnosis" on April 4, 2021 organised at the School
- **Akhand Rai** served as a speaker in the workshop "Recent trends in Automobile Engineering" on September 16, 2020 organised at the School with ASME, Student Chapter of the University
- **Dharamshi Rabari and Sridhar Dalai** have developed Virtual Laboratory for the courses on Chemical Engineering Laboratory-II and Chemical Engineering Laboratory-III
- **Aditi Singhal** has developed virtual lab for the course on Chemistry
- **Harshad Shah** developed virtual lab for the course on Mechanical Operation



RESEARCH AT THE SCHOOL OF ENGINEERING AND APPLIED SCIENCE

BOOK CHAPTERS

Divakaran, S. (2021). Data Science: Principles and Concepts in Modeling Decision Trees. In Obi Reddy G. P., Raval M. S., Adinarayana J. & Chaudhary S. (Eds.), *Data Science in Agriculture and Natural Resource Management*. (55-74). Springer Nature, Berlin.

Parikh, P. A., Joshi, K. D., & Trivedi, R. (2021). Vision-Based Trajectory Planning for a Five Degree of Freedom Assistive Feeding Robotic Arm Using Linear Segments with Parabolic Blend and Cycloid Functions. In Billingsley J. & Brett P. (Eds.), *Mechatronics and Machine Vision in Practice*. (193-206). Springer, Cham.

Prakash, S. (2020). Optimizing the defocused CO₂ Laser Micro Channeling Process using Grey Relational Analysis, In Kumar S. & Rajurkar K. P. (Eds.), *Advances in Manufacturing Systems: Select Proceedings of RAM 2020*. (43-51). Springer Singapore

JOURNAL ARTICLES

Agarwal, S., Anand, V., Banker, N. D., & Biswal, P. (2020). Experimental Studies on Space Heating using Phase Change Material (PCM). *Energy storage*. 3(2), e209 <https://doi.org/10.1002/est2.209>

Agravat, R., & Raval, M. (2021). A Survey and Analysis on Automated Glioma Brain Tumor Segmentation and Overall Patient Survival Prediction. *Archives Of Computational Methods in Engineering - State of the Art Reviews*. 1 - 36. <https://doi.org/10.1007/s11831-021-09559-w>.

Ahmad, Z., Rai, A., Maliuk, A., & Kim, J. (2020). Discriminant Feature Extraction for Centrifugal Pump Fault Diagnosis. *IEEE Access*. 8, 165512-165528. <https://doi.org/10.1109/ACCESS.2020.3022770>

Banker, N. D., Dandotiya, D., Reddy, Morthala, S., Gaddam, M., & Kakileti, S. (2020). Evaluation of Minimum, Maximum and Optimum Source Temperature for Solar-Powered Adsorption Refrigeration System. *Arabian Journal for Science and Engineering*. 45(11), 9735-9745. <https://doi.org/10.1007/s13369-020-04865-0>.

Changela, A., Zaveri, M., & Verma, D. (2020). FPGA Implementation of High-Performance, Resource-Efficient Radix-16 CORDIC Rotator Based FFT Algorithm. *Integration, The VLSI Journal*. 73 (July), 89-100. <https://doi.org/10.1016/j.vlsi.2020.03.008>.

Changela, A., Zaveri, M., & Verma, D. (2021). Mixed-Radix, Virtually Scaling-Free CORDIC Algorithm Based Rotator for DSP Applications. *Integration*. 78(1), 70-83. <https://doi.org/10.1016/j.vlsi.2021.01.005>.

Dandotiya, D., & Banker, N. D. (2020). Energy Efficiency Improvement of a Refrigerator Integrated with Phase Change Material Based Condenser. *ASME Journal of Energy Resources Technology*. 143(8), 082105-082112. <https://doi.org/10.1115/1.4048871>

Dandotiya, D., & Banker, N. D. (2020). Theoretical Study of Energy Saving Through Redesign of Water Distribution Arrangement in a Medium-Rise Residential Building. *ASME Journal of Engineering for Sustainable Buildings and Cities*. 1(3), 031002-1 to 031002-5. <https://doi.org/10.1115/1.4047618>

Galiyawala, H., & Raval, M. (2021). Person Retrieval in Surveillance Using Textual Query: A Review. *Multimedia Tools and Applications*. 143(8) 1 - 41. <https://doi.org/10.1007/s11042-021-10983-0>.

Ganguli, A., Deshpande, S., & Pandit, B. (2021). CFD Simulations for Performance Enhancement of a Solar Chimney Power Plant (SCPP) and Techno-Economic Feasibility for a 5 MW SCPP in an Indian Context. *Energies*. 14(11), 3342. <https://doi.org/10.3390/en14113342>

Hasan, M., Rai, A., Ahmad, Z., & Kim, J. (2021). A Fault Diagnosis Framework for Centrifugal Pumps by Scalogram-Based Imaging and Deep Learning. *IEEE Access*. 9, 958052-58066. <https://doi.org/10.1109/ACCESS.2021.3072854>.

Kavaiya, S., Patel, D., Ding, Z., Guan, Y., L., & Sun, S. (2021). Physical Layer Security in Cognitive Vehicular Networks. *IEEE Transactions on Communications*. 69(4), 2557-2569. <https://doi.org/10.1109/TCOMM.2020.3038904>

Khuntia, S., Sinha, M., K., & Mohan, G. (2020). Evaluation of Reaction Kinetics for Removal of NO_x by Ozone and Hydrogen Peroxide. *Industrial and Engineering Chemistry Research*. 59 (40), 17806-17814. <https://doi.org/10.1021/acs.iecr.0c03820>

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Nellaippan, S., Jhariya N., Irusta, S., & Singhal, A. (2021). Platinum substituted Cobalt(II, III) Oxide: Interplay of Tetrahedral Co (II) Sites Towards Electrochemical Oxygen Evolution Activity. *Electrochimica Acta*, 365, 137234.

Nimje, P., Dandotiya, D., & Banker, N. (2021). An Experimental Investigation of MPFI Gasoline Engine Fuelled with Ethanol and N-Butanol. *International Journal of Environmental Science and Technology*. 1-10. <https://doi.org/10.1007/s13762-021-03242-0>.

Parikh, P. A., Trivedi, R., & Joshi, K. D. (2021). Trajectory planning of a 5 DOF feeding serial manipulator using 6th order polynomial method. *Journal of Physics: Conference Series*. 1921 (01), 012088 <https://doi.org/10.1088/1742-6596/1921/1/012088>

Patel, D., Shah, H., Ding, Z., Guan, Y. L., & Sun, S. (2021). Performance Analysis of NOMA in Vehicular Communications over i.n.i.d Nakagami-m Fading Channels. *IEEE Transactions on Wireless Communications*. <https://doi.org/10.1109/TWC.2021.3073050>

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Patel, M., P., & Chaudhary, S. (2020). Edge Computing: A Review on Computation Offloading and Light Weight Virtualization for IoT Framework. *International Journal of Fog Computing*. (IJFC), 3(1), 64-74.

Pandya, N., Rajput, G., Janni, S., Subramanyam, G., Ray, D., Aswal, V., & Varade, D. (2021). SLES/CMEA Mixed Surfactant System: Effect of Electrolyte on Interfacial Behavior and Microstructures in Aqueous Media. *Journal of Molecular Liquids*. 325, 115096. <https://doi.org/10.1016/j.molliq.2020.115096>.

Pendurthi, M., Pelluru, Chilakapati, A., Dandotiya, D., & Banker, N. D. (2021). Performance Investigation of a Vapor Adsorption Refrigeration System Based on Adsorption/Desorption Time and Heat Transfer. *ASME Journal of Thermal Science and Engineering Applications*. 13(5), 051024-1 to 051024-9. <https://doi.org/10.1115/1.4050230>

Prakash, S., & Nirala, C. (2021). CO₂ Laser Cutting of Thin Glass Sheet Under Different Ambient Conditions. *Lasers in Engineering*. 49(1-3):110-117

Prakash, S., & Kumar, S. (2021). Determining the Suitable CO₂ Laser Based Technique for Microchannel Fabrication on PMMA. *Optics & Laser Technology*. 139(2), 107017 <https://doi.org/10.1016/j.optlastec.2021.107>

Prakash, S., & Suman, S. (2021). Neural Network based Prediction for Surface Characteristics in CO₂ Laser Micro-Milling of Glass Fiber Reinforced Plastic Composite. *Neural Computing and Applications*. 33, 11517-11529. <https://doi.org/10.1007/s00521-021-05818-w>

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Singh, R., Kunzru, D., & Sivakumar, S. (2021). Enhanced Catalytic Activity of Ultrasmall NiMoW Trimetallic Nanocatalyst for Hydrodesulfurization of Fuels. *Fuel*. 288, 119603.

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Vats, V., & Singhal, A. (2020). Effect of Ru Substitution in La_{0.85}Sr_{0.15}CoO₃ towards Oxygen Evolution Reaction: Activity of ionic Ru, *Electroanalysis*. 32, 1-10.

CONFERENCE PROCEEDINGS

Kavaiya, S., Patel, D., K., Guan, Y., L., Sun, S., Chang, Y., C., & Lim, J., M.-Y. (2021). Distributed Spectrum Sensing for Cognitive Vehicular Networks using Quasi-Newton Optimization. *Proceedings of 2021 International Conference on Communication Systems & Networks (COMSNETS)*, January 6-8, 212-215, <https://doi.org/10.1109/COMSNETS51098.2021.9352936>.

Kavaiya, S., Patel, D., K., Guan, Y., L., Sun, S., Chang, Y., C., & Lim, J., M.-Y. (2020). Physical Layer Security over α - η - κ - μ Fading for Relay based Vehicular Networks. *Proceedings of IEEE International Conference on Signal Processing and Communications (SPCOM)*. July 19-24, 1-5, <https://doi.org/10.1109/SPCOM50965.2020.9179522>.

Morawska, B. (2020). Unification in FL₀ Modulo A Flat Tbox. *Proceedings of the 33rd International Workshop on Description Logics*. Rhodes, Greece, <http://ceur-ws.org/Vol-2663/paper-15.pdf>

Parikh, P., Trivedi, R. & Joshi, K. (2021). Trajectory Planning of a 5 DOF Feeding Serial Manipulator using 6th Order Polynomial Method. *Proceedings of First International Conference on Advances in Smart Sensor, Signal Processing, and Communication Technology*. Goa, India, March 19-20, 1-18.

Patil, C., Dandotiya, D., Pal, B., & Banker, N. (2020). Numerical Analysis of Heat transfer in Aeroengine Turbine Blade Using K-Epsilon and K-Omega SST Model. *Proceedings of the International Conference on Futuristic Trends in Mechanical Engineering (ICOFTIME-2020)*. Presidency University Bangalore, September 11-12, 012027.

Patel, B., Patel, D., K., Soni, B., López-Benítez, M., & Kavaiya, S. (2021). LSTM Autoencoder aided Estimation of Primary Activity Statistics under Imperfect Sensing. *Proceedings of 2021 International Conference on Communication Systems & Networks (COMSNETS)*, Virtual, January 6-8, 242-245, <https://doi.org/10.1109/COMSNETS51098.2021.9352934>.

Patel, D., K., Soni, B., Guan, Y., L., Sun, S., Chang, Y., C., & Lim, J., M.-Y. (2020). Performance Analysis of Arbitrary Correlated Multiantenna Receiver for Mobile Cognitive User. *Proceedings of GLOBECOM 2020 - IEEE Global Communications Conference*, December 7-11, 1-6, doi: 10.1109/GLOBECOM42002.2020.9322312.

Raval, M., Kaya, T., Zaveri, M. & Sharma, P. (2020). Experiments with Multinational Cross-Course Projects through Blended Learning. *Proceedings of IEEE TALE2020 - An International Conference on Engineering, Technology and Education*. December 8-11, 65-70.

Thakur, S., Patel, D., K., Soni, B., Raval, M., & Chaudhary, S. (2020). Prediction for the Second Wave of COVID-19 in India. *Proceedings of International Conference on Big Data Analytics. (BDA 2020)*, Virtual, December 15-18, 134-150. https://doi.org/10.1007/978-3-030-66665-1_10

Toma, O., H., López-Benítez, M., & Patel, D., K. (2020). Analysis of the Sample Size Required for an Accurate Estimation of Primary Channel Activity Statistics under Imperfect Spectrum Sensing. *Proceedings of 2020 IEEE 31st Annual International Symposium on Personal, Indoor and Mobile Radio Communications*, September 3, 1-6, <https://doi.org/10.1109/PIMRC48278.2020.9217255>.

CONFERENCE PRESENTATIONS

Agravat, R., & Raval, M. (2021). 3D Semantic Segmentation of Brain Tumor for Overall Survival Prediction. In Crimi A., Bakas S. (eds) *Brainlesion: Glioma, Multiple Sclerosis, Stroke and Traumatic Brain Injuries. BrainLes 2020*. October 4. 215 - 227.

Morawska, B. (2020). Unification in FL₀ Modulo A Flat Tbox, 33rd International Workshop on Description Logics. Rhodes, Greece, September 12-14.

Rajput, S., Roy, M., Raval, M., & Agravat, R. (2021). Glioblastoma Multiforme Patient Survival Prediction. *International Conference on Medical Imaging and Computer-Aided Diagnosis (MICAD 2021)*. Virtual, March 25-26. 1-10.

Thakur, S., Patel, D., Soni, B., Raval, M., & Chaudhary, S. (2021). Prediction for the Second Wave of COVID-19 in India In: Bellatreche L., Goyal V., Fujita H., Mondal A., Reddy P.K. (eds) *Big Data Analytics. BDA 2020. Virtual*, December 15-18. 134 - 150.

INVITED LECTURES

Banker, N., D. Solar Thermal Energy: A Sustainable Resource to Generate Electricity. Ahmedabad University, Ahmedabad; September 18, 2020.

Banker, N., D. Electricity Generation through Solar Energy in India, International Certificate/Value Added Course on "Energy Management for Sustainability", Short Term Course, IIC and T&P Cell of J C Bose University of Science and Technology YMCA, Faridabad, Haryana, November 28, 2020.

Banker, N., D. Compressed Gas Energy Storage: a Sustainable Way to Storage Power Generated Through Solar PV in India. Government Engineering College, Bharuch, Bharuch, April 5-9, 2021.

Chaudhary, S. Blockchain: The Next Evolution of Supply Chains, CHARUSAT University, Changa, October 10, 2020.

Goswami, G. Obstructions arising from small distances and their possible cosmological implications, Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune. August 4, 2020.

Lakhlani, A. Memory Hierarchy and Computer Architecture, Faculty of Technology and Engineering, Charotar University of Science and Technology, Changa, Gujarat, March 25, 2021.

Lakhlani, A. Introduction to Emotional Intelligence and Stress Management, Lecture Series on Mastering Emotional Intelligence and Stress Management, Quinary Clinical Research Private Limited, April 17, 2021.

Lakhlani, A. Introduction to "Quick Action Tools" to Manage the State of Mind, Lecture Series on Mastering Emotional Intelligence and Stress Management, Quinary Clinical Research Private Limited, May 1, 2021.

Lakhlani, A. Time Management, Lecture Series on Mastering Emotional Intelligence and Stress Management, Quinary Clinical Research Private Limited, May 15, 2021.

Lakhlani, A. Preparing Personalized Toolkit with "Quick Action Tools" and for Time Management, Lecture Series on Mastering Emotional Intelligence and Stress Management, Quinary Clinical Research Private Limited, May 29, 2021.

Lakhlani, A. Introduction to "Deep Action Tools" to manage the State of Mind, Lecture Series on Mastering Emotional Intelligence and Stress Management, Quinary Clinical Research Private Limited, June 5, 2021.

Lakhlani, A. I Preparing Personalized Strategy for Emotional Intelligence and Stress Management, Quinary Clinical Research Private Limited, June 19, 2021.

Patel, D. 5G: Green Communication Networks Deployment in Smart Cities. Acharya Institute of Technology, Bengaluru; January 18-22, 2021.

Patel, D. Internet of Medical Things (IoMT): Architecture, Open Research Issues and Challenges. G H Patel College of Engineering and Technology (GCET), CVM University, Vallabh Vidyanagar, Gujarat, January 4-8, 2021.

Patel, D. AICTE approved National Workshop - Communication Networks - Physical Layer Security. Geethanjali College of Engineering and Technology, Hyderabad, August 17-22, 2020.

Patel, D. Technology enabled Teaching - Learning and Life-Long Self-Learning: role of ICT. SAL Institute of Technology, Ahmedabad, January 07-08, 2021.

Patel, K. Data Science and Commerce. British Model College, Thapathali, Kathmandu, Nepal, December 18, 2020.

Patel, K. Technology in Current Time - Use and Misuse. Bunt Sangha's S M Shetty International School and Junior College (IB Board), Mumbai, January 21, 2021.

Rai, A. Sessions on Industry Readiness and Research Trends. National Institute of Technology, Uttarakhand, February 4-5, 2021.

Raval, M. Robust Brain Tumor Segmentation for Overall Survival Prediction. College of Engineering Pune, Pune, July 18, 2020.

Raval, M. Hands on Brain Tumour segmentation and Survival Prediction. MKSSS Cummins College of Engineering for Women, Pune, September 10, 2020.

Raval, M. Challenges in Medical Image Analysis. Nirma University, Ahmedabad, August 29, 2020.

Raval, M. Personal Retrieval using Softbiometrics. Manipal University, Jaipur, October 29, 2020.

Raval, M. Regression and Regularisation. Ahmedabad Institute of Technology, Ahmedabad, November 5, 2020.

Raval, M. Robust Brain Tumor Segmentation and Overall Survival Prediction. Dr. Mahalingam College of Engineering & Technology, Pollachi, India, December 11, 2020.

Raval, M. Examination during Pandemic: Challenges and Solution. Gujarat Technological University, Ahmedabad; December 14, 2020.

Raval, M. Diagnosing COVID19 using Medical Image Analysis. K. J. Somaiya Institute of Engineering and Information Technology, Mumbai, December 19, 2020.

Raval, M. Glioblastoma Multiforme Tumor segmentation and overall survival prediction. CHARUSAT University, Changa, India, March 16, 2021.

Raval, M., & Patel, D. Reimagine Feedback and Assessment. Ahmedabad University, Ahmedabad, May 14, 2021.

Shah, H. Career Opportunities Ahead. Department of Chemical Engineering, SAL College of Engineering, Ahmedabad, July 11, 2020.

Shah, H. Instructional Planning and delivery-Theory & Experiments at Faculty Orientation Program, SAL Education Campus, Ahmedabad, January 1, 2021.

Varade, D. Nanostructured Materials Based on Surfactants: Micelles, Microemulsion, Emulsion, Foams and Gel. SAL University, Ahmedabad. February 10, 2021.

Varade, D. Surface and Colloidal Chemistry. Fergusson College Pune, March 22, 2021.

RESEARCH WORKING PAPERS

Ganguli, A., A., Pandit, A., B., & Kunzru, D. Review of Mass Transfer Characteristics in Microchannels for Liquid Extractive Systems using Experimental Techniques. WP-SEAS-21-001. Ahmedabad University.

Prabh, S. Event Reference Synchronization (ERS): Scalable Clock Synchronization for Large-Scale IoT Networks. WP-SEAS-21-002. Ahmedabad University.

Shah, M., Shah, H., Khunt, M., Panchal, D., & Chavda, J. (2021). Evaluation for Suitability of Groundwater for Irrigation and Drinking Purposes in the Coastal Region of Veraval, Gujarat. WP-SEAS-21-003. Ahmedabad University.

Shah, M., Shah, H., Khunt, M., Panchal, D., & Chavda, J. (2021). A Comprehensive Review on Origin, Classification and Risk Assessment of Ground Water Contaminants in Industrial and Irrigation Sector. WP-SEAS-21-004. Ahmedabad University.

Shah, M., Shah, H., Baboo, H., Patel, T., & Faldu, R. (2021). Geothermal Energy; Pollution Index of Groundwater (PIG); Ecological Risk Index (ERI); Hierarchical Cluster Analysis (HCA). WP-SEAS-21-005. Ahmedabad University.

Shah, M., Shah, H., Baboo, H., Patel, T., & Faldu, R. (2021). A Comprehensive and Systematic Study of Fluoride and Arsenic Contamination and its Impacts in India. WP-SEAS-21-006. Ahmedabad University.

Naik, S., & Gajjar, K. Applying and Evaluating Engagement and Application Based Learning and Education (ENABLE) - A Student Centered Learning Pedagogy for the Course Database Management System, WP-SEAS-21-007. Ahmedabad University.

TEACHING MATERIAL

MOOC COURSES

Shashi Prabh, Computer Networks. https://www.youtube.com/watch?v=IEY4_

Jaina Mehta, <https://www.youtube.com/channel/UC9eC4WXimWldl4EcCNUlOeQ>

Shelfali Naik, <https://www.youtube.com/channel/UCWOoM-BjlrVYdUEeMWZFYQ>

Akhand Rai, <https://www.youtube.com/channel/UCt4Ze7HbrQXF1xCcm5ag>



Jamia Millia Islamia University

CENTRE FOR HERITAGE MANAGEMENT

The Centre for Heritage Management fosters critical heritage studies along with a business entrepreneurship approach towards diverse sectors of heritage. It was recently recognised by the Niti Aayog as one of the seven prominent institutions in the country working in the areas of heritage conservation. Internationally, it is leading the way in re-shaping heritage management education as an interdisciplinary field, and has been in the executive boards of two prominent heritage related university networks in the Asia Pacific region, namely – Asian Academy of Heritage Management and the Asia Pacific Higher Education Network for Intangible Cultural Heritage. Recently, it was also invited by UNESCO Bangkok to offer an international capacity building programme for mid-career professionals from the Asia Pacific region, along with prominent universities like Deakin University (Australia), National University of Singapore, University of Hong Kong and Southeast University (China).





Despite the COVID-19 circumstances, the Centre was able to manage its academic activities online except for a few field-based learning courses where the field activities had to be simulated virtually. Along with its Masters programme, the Centre also offered a module on heritage education and interpretation for UNESCO's Sustainable Heritage Management Foundation course – a pilot training programme developed based on the new competency framework for cultural heritage management, in which the Centre had played an important role during its formulation. The Centre hired another international faculty – Ioannis Poullos (Greece) who brings in business strategies expertise for the heritage sector.

'The Journal of Heritage Management' – a flagship initiative of the Centre to drive a new way of thinking for heritage management, is now in the process of being indexed in Scopus, after it was listed as an approved journal by the UGC.

PROGRAMMES

Undergraduate Programmes

- Minor in Heritage Studies

Master of Management Studies

- Heritage Management

FACULTY ACHIEVEMENTS



IOANNIS POULIOS
Associate Professor

Appointed member of the Scientific Committee of Associazione Rotta di Enea / (Aeneas Route: Cultural Route certified by the Council of Europe), contributing to the certification.

Elected in the Executive Committee of the Association of Critical Heritage Studies (August 2020).



NEELKAMAL CHAPAGAIN
Director
Centre for Heritage Management

EVENTS

A Webinar on Educational and Career Opportunities in Heritage Management

Chirashree Thakkar
Heritage Management Consultant, Architect

Leora Pezarkar
Senior Research Associate, Maritime History Society and

Shaoni Pramanick
Co-founder, Khayaal - A Social Enterprise

Moderator: Vijay Ramchandani
Senior Executive (Academics and Research)

A Webinar on Heritage For Sustainable Development: Towards A New Educational Approach

Neel Kamal Chapagain
Associate Professor and Director,
Centre for Heritage Management
Ahmedabad University

A Webinar on Bridging Business Career with Heritage Management: The Acropolis Museum in Athens, Greece

Ioannis Poullos
Associate Professor
Centre for Heritage Management
Ahmedabad University

the Need for its Preservation by the International Council of Monuments and Sites (ICOMOS) on the Stepwell-The Ahmedabad University Radio

Neel Kamal Chapagain
Associate Professor and Director,
Centre for Heritage Management
Ahmedabad University

Param Pandya
Heritage Expert, UNESCO World Heritage Volunteer Program

A Webinar on Indigenous Knowledge Systems In Heritage Education & Practice

Ashish Kothari
Co Founder, Member Kalapvriksh Co Editor

A Webinar on Alternative futures : India Unshackled

Neel Kamal Chapagain
Associate Professor and Director,
Centre for Heritage Management
Ahmedabad University

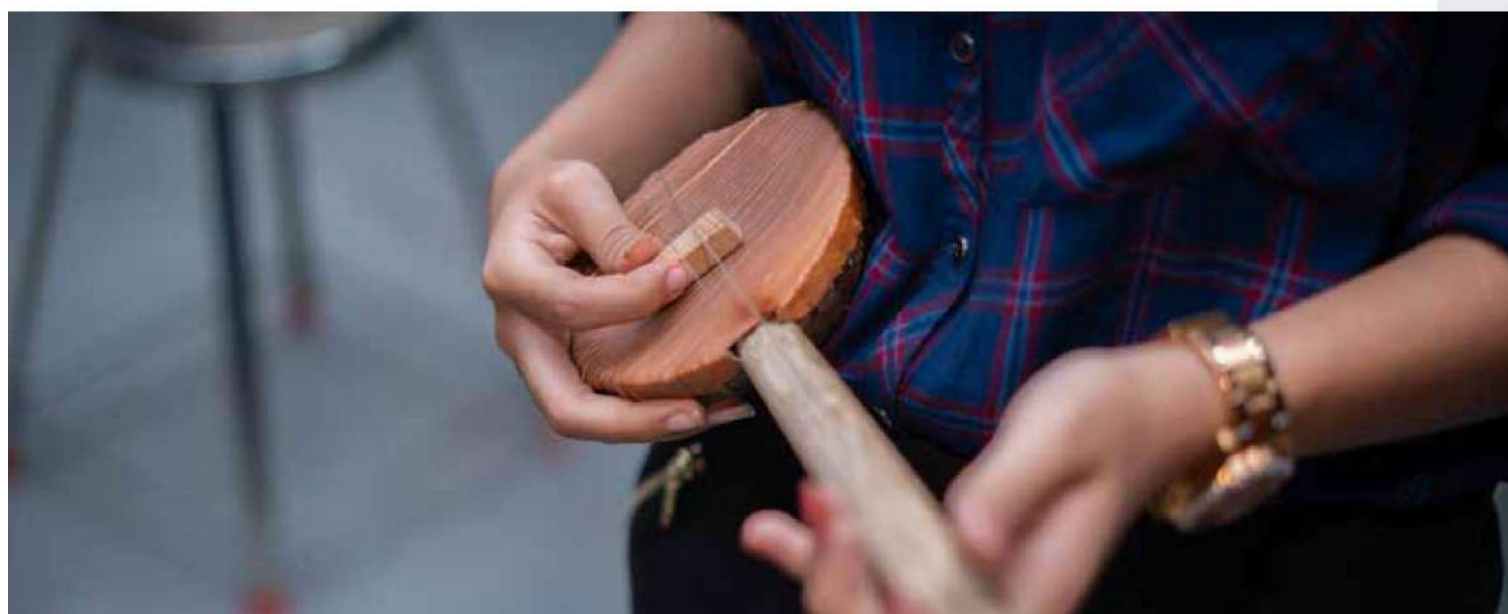
Ashoke Chaterjee
Advisor, Centre for Heritage Management
Ahmedabad University

Moderator: Leora Pezarkar
Alumni and Senior Research Associate
Centre for Heritage Management
Ahmedabad University

A Conversation on 'World Heritage Day' about Heritage, it's Importance, the Role it Plays in Forming Culture and

STUDENT ACHIEVEMENTS

- **Jyoti Shukla** was selected as one of the 12 Changemakers fellows in Gujarat (recognised by Pravah, Delhi and Sauhard, Ahmedabad). She received USD1000 funding from the Bureau of Democracy, Human Rights, and Labor U.S Department of State
- **Jyoti Shukla's** article titled 'Understanding Mata ni Pachhedi Paintings from the Chitara Community' was published in ICHCAP Courier: Oral Traditions of Asia Pacific communities (Vol 45) at UNESCO, ICHCAP. <http://ichcourier.unesco-ichcap.org/understanding-mata-ni-pachhedi-paintings-from-the-chitara-community/?fbclid=IwAR3cSVsBAJ-NhiGKALjOMRUze14GUgCcd2-DDsm-o16iL4iofetGgshzvmA>
- **Jyoti Shukla** started a blog "Culture Qisse" to document stories associated with Indian heritage in the areas of art and traditional crafts. <https://cultureqisse.substack.com>
- **Samiksha Purohit's** book "विरह के रंग" - A compilation of memoir poems was published by Bookleaf Publishing
- **Samiksha Purohit's** blogpost for ReReeti- Heritage sector Internships- Pre and Post pandemic was published on medium
- **Samiksha Purohit** attended ICOMOS: Intangible Cultural Heritage for Sustainable Management of Historic Towns. June 19 and June 27, 2021
- **Samiksha Purohit** attended Heritage in Digital Space - IIT Bangalore in collaboration with Vizara Technologies. September 26, 2020
- **Samiksha Purohit** attended Immersive Trails: Small talks with Vikramjit Singh Rooprai. January 8, 2021
- **Samiksha Purohit** attended ICOMOS India: Crafting Resilience: Crafts Communities in India. October 31, 2020
- **Samiksha Purohit** participated in Immersive Trails (previously known as Heritage walks Calcutta) in collaboration with the University of Exeter: She completed Global leaders Exeter 2020: Heritage Outreach in the time of Covid-19. October 20-27, 2020
- **Suchita Sinha's** "Traditional Community Practices That Save the Wilderness Value of a City" got published in the CERD Green chronicles - Vol 1. <http://www.cerdfoundation.com>
- **Sukrit Sen** was selected to represent India at the Virtual World Heritage Young Professionals Forum, 2021
- **Sukrit Sen** was selected for a special US ICOMOS International Exchange Program, to be held from September-November, 2021 at the National Centre for Preservation Technology and Training, Natchitoches, Louisiana. September-November, 2021



RESEARCH AT THE CENTRE FOR HERITAGE MANAGEMENT

STUDENT PRESENTATIONS

Shukla J. *Shared Heritage of India and Pakistan: A Case of Gujarat and Ajrakh, Diversity and Distinctiveness: Looking into Shared ICH in the Asia-Pacific*, ICHCAP, KNUCH and UNESCO Bangkok, February 2021. https://webinar.unesco-ichcap.org/wp-content/uploads/2021/02/session2_2-Aanchal-Mehta-et-al..pdf

Shukla J. *Craft Education Project, MMS in Heritage Thesis*, Global Engagement Summit, Northwestern University, Virtual, April, 2021.

Purohit S., & Tated A. *Green Cities*, International Student Conference of Environment and Sustainability 2021 (ISCES 2021), United Nations Environment Programme and Tongji University, Virtual, June 2021

Sen. S. *Role of Intangible Cultural Heritage, both Negative and Positive, in Disaster Management Practices*, Case- Chitpore, Kolkata, Advancing Risk Management for Shared Future: 2020 ICOMOS 6 ISCs Joint Meeting, Virtual

BOOK CHAPTERS

Chapagain, N.K. (2020). Towards a Framework for Analysing the Applicability and Adaptability of Traditional Knowledge Systems in Heritage Management: case studies from Nepal. In G. Wijesuriya & S. Court (Eds.), *Traditional Knowledge Systems and the conservation and management of Asia's heritage* (211-223), Italy: International Centre for the Study of the Preservation and Restoration of Cultural Property (ICCROM).

JOURNAL ARTICLES

Chapagain, N., & Neupane, U. (2020). Contextual Education: Rethinking Education for Nepal in the Wake of COVID-19 Crisis. *Science and Technology Journal*, 1(1), 98-111. <https://doi.org/10.3126/asta.v1i1.30281>

Chapagain, N. K. (2020). Public Archaeology in Nepal: Now and in the Next 10 years. *AP Online Journal in Public Archaeology*. 10, 73-74 <http://dx.doi.org/10.23914/ap.v10i0>

CONFERENCE PRESENTATIONS

Chapagain, N.K. (2021). Tangible 'Intangibles' and Intangible 'Tangibles': Understanding the Nuances of Heritage in Managing Historic Towns. *Intangible Cultural Heritage for Sustainable Management of Historic Towns in South Asia: Theory to Practice*, ICOMOS, India, June 19.

Chapagain, N.K. Working Towards Heritage Sensitive Marketing and IP Protection. *Community Heritage, Marketing and Intellectual Property Protection – Heritage Sensitive Marketing and IP Protection Approaches for Traditional Artists*, February 1.

INVITED LECTURES

Chapagain, N.K. Teaching and Learning Heritage-Related Disciplines during COVID-19 Pandemic. Session 2 of Webinar Series organized by International Information and Networking Centre for Intangible Cultural Heritage in the Asia Pacific region under the auspices of UNESCO, Virtual, July 2 2020.

Chapagain, N.K. Community-based ICH (Intangible Cultural Heritage) inventory and management. Consortium for ICH-pedia, Virtual, July 10, 2020.

Chapagain, N.K. Heritage and Sustainable Development. SEU Advanced Lecture Series on Asian Study: Urban History and Heritage Conservation. Southeast University, Virtual, July 16, 2020.

Chapagain, N.K. Traditional Knowledge Systems in Heritage Management, Indian National Trust for Art, Culture and Heritage (INTACH), December 20, 2020.

Chapagain, N.K. Traditional Knowledge Systems in Heritage Management, 2-9 January 2021, ICOMOS Malaysia and ThinkCity Institute, January 2-9, 2021.

Chapagain, N. Digital Initiatives for Intangible Cultural Heritage, ICOMOS Our World Heritage Initiative, Virtual, January 9, 2021

Chapagain, N. Intellectual Property Rights and ICH Education, Bangla Natak, Coventry University, British Academy, Virtual, February 1, 2021.

Chapagain, N.K. Nature of Cultural Heritage and Culture of Natural Heritage: Reflections on Nature-Culture Linkages. Institute of Tourism Studies (IFT), Macao; March 4, 2021.

Chapagain, N.K. Competence based Learning, Curriculum Development and Way Forward, Hongkong Institute of Conservation Architects and UNESCO Bangkok, Virtual, April 12, 2021.

Chapagain, N.K. Tangible 'Intangibles' and Intangible 'Tangibles': Understanding the nuances of heritage in managing historic towns. e-symposium on Intangible Cultural Heritage for Sustainable Management of Historic Towns in South Asia: Theory to Practice, ICOMOS India, Online, June 19, 2021.

Chapagain, N.K. Architecture and Sustainable Development. Inaugural session for New Programme 'Bachelors in Architecture' at Madan Bhandari Memorial Academy Nepal, April 28, 2021.

Chapagain, N.K. Heritage and Sustainable Development; Southeast University, Nanjing, China. July 16, 2020., Chapagain, N.K. Community-based ICH inventory and management; Consortium for ICH-pedia, Bangladesh; July 10, 2020.

Kanth, A. Preventive Care of the Displayed Collections, Importance and Methods of Cleaning Gallery Spaces. Lalbhai Dalpatbhai Museum, Ahmedabad; October 12, 2020.

Kanth, A. Biodeterioration and Conservation of Heritage Surfaces. Kalindi College, Delhi University, Online; December 17, 2020.

Kanth, A. Documentation Tools for Heritage Management. Deccan College Post Graduate and Research Institute, Pune, Online; December 26, 2020.

Kanth, A. Concept of Conservation. Mata Sundari College, Delhi University, Online; February 19., 2021.

Poulios, I. The 'Living Heritage Approach': Beyond Preservation and Towards Creation – Reconsidering Community Participation in Heritage Management. University College London Department of History of Art, the Institute of Archaeology, University College London, Virtual, March 12, 2021.

Poulios, I. Living Heritage and Continuity: An Introduction. Future for Religious Heritage, Virtual, April 28, 2021.

Poulios, I. Destroying Living Heritage in the Name of authenticity: the prison of Trikala in Greece - 'Black Lives Matter' protest. Association of Critical Heritage Studies 2020 Futures Conference, London. August 26, 2021.

MOOC COURSES

Chapagain, N.K., Community Participation in Safeguarding Intangible Cultural Heritage, Module 2 Chapter 1 in MOOC Living Heritage and Sustainable Development (2021).

Chapagain, N.K., Community-based Approaches in Safeguarding Intangible Cultural Heritage, Module 2 Chapter 2 in MOOC Living Heritage and Sustainable Development. (2021).

Kanth, A., Chapagain, N., Poullos, I., & Ramchandani, V., Heritage Education Module (of Sustainable Heritage Management Foundation Course) <https://events.unesco.org/event?id=2602264097&lang=1033>, (2021).



CENTRE FOR LEARNING FUTURES

The Centre for Learning Futures (CLeF) designs and implements initiatives to support teaching and learning at the University. The Centre offers courses in academic reading and writing, and workshops in study skills. It also offers, through its Learning Initiatives, opportunities for curricular and pedagogic innovation as well as platforms for integrating learner-centric technology solutions into higher education.

VIRTUAL SEMESTER-END EXPO

Semester-end exhibitions are a time when students and faculty come together to display the outputs from their courses. These vary from presentations to prototypes and live performances. The current pandemic situation made us rethink the way we conduct the expo. Students and faculty worked tirelessly to generate output and their presence onto the virtual space.

On November 25, 2020, and April 21, 2021, displays were presented virtually on Google sites. There were 35 different courses, and 138 different project outcomes on display.

November: <https://sites.google.com/ahduni.edu.in/expo>

April: <https://sites.google.com/ahduni.edu.in/expowinter2021>



PEDAGOGY

Ahmedabad University has developed a unique framework to facilitate learning by engaging with the context and environment and applying these concepts to real world problems. Students are empowered to learn on their own through various techniques like Project Based Learning, Flipped Classroom, Discovery Based Method etc. and the faculty acts as a facilitator. Over the last year, Engagement and Application Based Learning & Education (ENABLE) pedagogy has seen a surge in acceptance across the Schools amongst both faculty and students. 2020 saw as many as 58 courses being offered over two semesters to 2315 students participating.

ENABLE courses for 2020-21 included:

- Science Journalism for Impact
- Climate Change and Cities
- Dark Side of Organisation
- Understanding Markets and Consumers
- Marketing Research
- Digital Marketing
- Qualitative Research Methods
- Simulation Modeling
- City as Text
- People Analytics
- Evolutionary Biology
- Introduction to Critical Thinking and Academic Writing
- Power in Movement: Expressing the History of Social Movements in India
- Process Simulation
- Artificial Intelligence
- Cloud Computing
- Internet of Things
- Natural Language Processing
- Heat Transfer
- Collaborative Research Project - I
- Formal Logic
- Science Journalism for Impact
- Introduction to Critical Thinking and Academic Writing 2
- Idea to Business Plan
- Environment and Sustainability
- Urban Informal Economy
- Financing for Startups
- Urban Heritage Management
- Strategy for Management of Cultural Organisations in a Changing World
- Future of Work
- Understanding Markets and Consumers
- Marketing Plan and Implementation
- Digital Marketing
- Brand Management
- Introduction to Western Philosophy
- Laboratory Physics: Electromagnetism
- Introductory Astronomy
- Research Methods in Psychology
- Introduction to Japanese
- Literature for Life
- Linear Algebra
- Musical Traditions of India - An Introduction
- Visual Arts and People
- State and Society
- Within the World of Cities
- Computational Fluid Dynamics
- Human Computer Interaction
- Computer Vision
- Digital Image Processing
- Electronics and Magnetic Circuits and Devices
- Collaborative Research Project - I
- Collaborative Research Project - II
- Machine Learning


LEARNING COALITION

To advance the practice of project-based learning and experiential learning courses, the Centre has set up a collaborative workshop, The Learning Coalition. The objective of Learning Coalition is to organise a series of collaborative workshops with faculty to address aspects of teaching and learning.

This year, the following Learning Coalitions were organised for our faculty from all schools:

- **Elizabeth Orwin**, Learning Coalition: Teaching & Learning During a Pandemic, 13 October, 2020
- **Hitesh Solanki**, Scientist C (CS), INFLIBNET, Learning Coalition with INFLIBNET, 14 October, 2020
- **Jason Woodard**, Learning Coalition with Olin College Faculty and Students on Designing Engagement and Assessment during Remote Learning, 28 October, 2020
- **Lew Ludwig**, Learning Coalition - Panel on teaching Mathematics Online, 18 November, 2020
- **Alok Shukla**, Learning Coalition on Webwork by Alok Shukla, 2 December, 2020
- **Juhi Bansal and Dhaval Patel**, Learning Coalition on Online Teaching, 30 December, 2020
- **Juhi Bansal and Dhaval Patel**, Learning Coalition on Online Teaching- 2, 28 July 2020
- **Betty Chandy and Murali Krishna Mallepaku**, "Designing Meaningful Assessment & Driving Engagement in Online Teaching", 16 September, 2020

INDEPENDENT STUDY PERIOD



The Independent Study Period (ISP) at Ahmedabad University offers students a chance to explore their passion and go beyond the classroom, making their academic learning truly interdisciplinary and conceptual understanding more experiential.

ISP 2020 was delivered virtually. Courses were redesigned (while making sure none of the learning was compromised), activity kits were created and delivered to students in 45 Indian cities.

Number of students registered - 185

Course Credit - 2

Number of courses offered - 7

- ISP005 -Biomimicry: Nature Integrated Thinking and Living
- ISP018-The Politics of Food
- ISP025 -Networks and Behaviour
- ISP067 -Clues 'The Truth-finder' Solving the Crime
- ISP095 -Make an Impactful Short Film
- ISP100 -A Quill in your Cap Creative Writing in English
- ISP102 -Beyond Pink and Blue: Redefining the Masculinity and Femininity

ISP Expo - <https://sites.google.com/ahduni.edu.in/isp2020>

BRIDGE COURSE

The bridge course for Communication, "to bridge the gap between school-level English and the requirements of University courses" was administered to 354 students after they went through the General Skills Assessment test.

Apart from a series of written exercises, the students also go through a reading test which gauges their current level of reading. Based on outcomes, they can choose a book from a prescribed list, read it over the summer and submit a review of the same when they join.

388 students participated in the Book Review exercise.

ONLINE TEACHING SUPPORT

70 faculty members participated in one-on-one consultations this academic year. Significant modifications were made to teaching practices and pedagogy as per the ENABLE design in as many as 80 courses in the light of the consultations.

AHMEDABAD LEARNING DIALOGUES

The Centre for Learning Futures organised a virtual conference titled 'Ahmedabad Learning Dialogues' from 14 to 15 May, 2021.

Ahmedabad Learning Dialogues brought together thought leaders in higher education, experimenters in the area of learning, and change makers at the university to share their personal stories and pedagogical experiments and to engage in a critical conversation on how and why higher education needs a change. The conference saw participation from academia, researchers, technologists, and experts who exchanged best practices and their experiences of innovative teaching and learning experiments with a special focus on interdisciplinarity.

DAY 1 LEARNING BY DOING / ACTIVE LEARNING

PLENARY

Pankaj Chandra, Ahmedabad University
The Ahmedabad Experiment in Liberal Education

PERSONAL STORIES

Gopalakrishna Joshi, KLE Tech & Karnataka Government
Pioneering PBL in Engineering Education in India

Fred Leichter, Rick and Susan Sontag Centre for Collaborative Creativity (the Hive) at the Claremont Colleges, Design Thinking in Course Design

THEMATIC BREAKOUTS

Manish Jain, IIT Gandhinagar: Reimagining Design of an Experience
Mehul Raval and Dhaval Patel, Ahmedabad: Reimagining Feedback & Assessment

DAY 2 INTERDISCIPLINARITY

PERSONAL STORIES

Jean Huang, Olin: 6 Microbes that Changed the World
Raghavan Rangarajan, Ahmedabad University: From Teaching Subjects to Connecting Ideas: Ahmedabad University's Foundation Studios

THEMATIC BREAKOUTS

Aparajita Basu, Ahmedabad University: The Social as an Interdisciplinary Pursuit
Minal Pathak, Ahmedabad University: Interdisciplinarity in Climate Action

PANEL ON BUILDING CLASSROOMS THAT MATTER

Moderator: Pankaj Chandra (Ahmedabad University)

Panelists:

- **Rick Miller** (Olin College of Engineering, Needham)
- **Geetha Narayanan** (Srishti Institute of Art, Bangalore)
- **Patrick Ahuwa** (Asheshi University, Ghana)

SESSION HIGHLIGHTS

- Personal stories and experiments from educators. The sessions had select educators talk about their own pedagogical experiments, what inspired them to innovate, the impact it brought, and how participants could bring about similar changes in their classrooms
- Breakout sessions moderated by select experts from Ahmedabad University and other institutions. Participants chose to attend one of these live and the rest via recordings
- Small experiments result in the most impactful changes. Bringing about change in university education by making well-designed micro-level changes in the classroom?
- Crafting an Interdisciplinary Syllabus in Liberal Arts. Can History be taught through the medium of performing Arts? This session also looked at interdisciplinarity by bringing in Arts and Humanities in professional education

The dialogues saw sign ups from over 500 academics from over 450 institutions from across India and overseas.

CENTRE FOR INTER-ASIAN RESEARCH

The Centre for Inter-Asian Research established in 2020 aims to bring together scholars and practitioners to work towards imagining what the inter-Asian century might be like. The imagination would span modes of everyday living and doing, modes of organising, creation of institutions and networks, development and deployment of technology, economic and social choice-making, re-imagining political and economic structures, and experimenting with diverse artistic forms.

The Centre's mandate would be to move beyond the timeworn comparisons between the 'East' and the 'West', and to generate fresh and relevant frameworks for analysis and practice. This will be a University-wide centre, promoting inter-disciplinary research and teaching across the Schools even as it engages with collaborators across India and Asia.

The long-term plan is to engage with research problems that can be addressed by collaborative teams of scholars from social sciences and humanities, natural sciences, engineering and management, and public health. A project on climate in the age of the anthropocene, for example, might bring together the biologist, the anthropologist, and the economist, as well as those trained in cultural management, or public health and community medicine experts. Such projects would benefit from a historically informed sense of how different Asian societies have developed, and how they engage with each other in the resolution of problems faced in common. A project on food, health, and medicine could draw in a similar range of expertise. Another one, for instance, in business and innovation might focus on competition, productivity, and the growth of new industries in Asia by convening researchers from business and economics, sociology and public policy. Other topics like education, city cultures, technology and future of work, gender and religious identities could also serve as points of convergence for trying out new methodologies drawn from different disciplines.



In the next five years, the Centre will develop at least five to six comparative research projects with collaborators from across Asia in the following thematic areas:

- Digital Intimacy and Young Women in Globalising Asia
- 21st century Urbanity, Migration and Mobility: The Asian City
- Business History and Business Cultures: Oceanic Trade Routes
- Participatory Citizenship and Local Governance
- Cultures of Sustainability: Food, Environment, Climate
- Performance Cultures and Circuits in Asia
- Manufacturing Innovation: Technology and Policy in the Age of Big Data
- Technology behind Retail: Systems and Practices impacting Consumer Preferences

COLLABORATIVE NETWORK

Working with the University

- The Centre is planned as a University-wide unit, drawing in ideas and perspectives from all the different Schools. The aim would be to energise curricular change and feed into ongoing research programmes across the University. This will be done via (a) Visiting Professorships; (b) Research and Teaching Fellows; (c) thematic working groups that cut across disciplines and schools. All three would be for a year, or two semesters. Additionally, PhD students and post-doctoral fellows could seek affiliation with the Centre, and have a primary supervisor from one of the Schools

Working with the City

- Short-term courses; public events (talks, seminars, performances) in collaboration with neighbouring institutions

Working with Indian Institutions

- Joint programmes will be organised in collaboration with institutions across the country

Working with Asian collaborators

- The Centre will identify two or three potential institutional collaborators for each of four broadly-defined networks: India-China; Indian Ocean; SE Asia, and India-South Asia



Ahmedabad
University

GLOBAL CENTRE FOR ENVIRONMENT AND ENERGY

Global Centre for Environment and Energy, Ahmedabad University is a unique research centre among Indian universities. The centre's goal is to discover and address research needs at the interfaces of three vital global challenges - environment, energy and sustainability. The Centre pursues interdisciplinary research and policymaking related to climate change, energy, air pollution and aerosols and natural resources.

Ahmedabad University now ranks among the top 10 Indian Universities for climate action based on TIMES Higher Education Impact Ranking.

Global Centre for Environment and Energy along with the Centre for Environmental Policy, Imperial College London co-host the mitigation group (Working Group III) of the Intergovernmental Panel on Climate Change (IPCC). IPCC is the United Nations body for assessing the science related to climate change. IPCC provides regular assessments of the scientific basis of climate change, its impacts and future risks, and options for adaptation and mitigation.

The Centre also hosts the South Asia Hub of the Urban Climate Change Research Network (UCCRN) in collaboration with Earth Institute, Columbia University. UCCRN is a consortium of over 800 individuals dedicated to the analysis of climate change mitigation and adaptation from an urban perspective. UCCRN leads an ongoing, sustained global city-focused climate change knowledge assessment and solutions program.

Members at the Centre lead and participate in several outreach events at both global and local levels. The Centre is now recognised among the leading research centres in India on climate change research and action.

Minor in Environment and Sustainability

PROGRAMMES

PhD in Management (Climate Change/Energy)

Undergraduate Programme

• Minor in Environment and Sustainability





FACULTY ACHIEVEMENTS



PRIYADARSHI SHUKLA
Distinguished University
Professor

Professor Priyadarshi Shukla was named amongst the top 2% global scientists by Stanford University. The rankings are based on a database of over 1.50 lakh scientists on the basis of their standardised citation indicators.

KEY GRANTS

2020-2021

IMPERIAL COLLEGE LONDON

Minal Pathak

- A Research Sub-Agreement with Imperial College London

WORLD METEOROLOGICAL ORGANISATION, GENEVA

Priyadarshi R. Shukla

- Assessment report six for Intergovernmental Panel on Climate Change

MIZUHO RESEARCH AND INFORMATION CENTRE, JAPAN

Priyadarshi R. Shukla

- Consulting funding for: Data collection related to Climate Change, Energy and Environment

PARTNERSHIPS

INNOVATIVE SCOTTISH-INDIA CLIMATE RESEARCH PARTNERSHIP

An international team of scientists, led by the University of St Andrews in partnership with the University of Aberdeen and Ahmedabad University, will carry out the project, Sustainable Coastal Habitats, Blue Carbon and the Challenges of Net Zero. The project will study India's coastal wetlands and mangrove forests as important blue carbon systems which can deliver sustainable management solutions for coastal environments and their communities.

DEPARTMENT OF BIOTECHNOLOGY, MINISTRY OF SCIENCE & TECHNOLOGY, GOVERNMENT OF INDIA AND UK RESEARCH AND INNOVATION, BRITISH COUNCIL, UK

Minal Pathak and Darshini Mahadevia

- Opportunities for Climate Mitigation and Sustainable Development (OPTIMISM)

ROYAL SOCIETY OF EDINBURGH'S SCOTTISH ASIA PARTNERSHIPS HIGHER EDUCATION RESEARCH FUND (SAPHIRE)

Minal Pathak

- Sustainable Coastal Habitats, Blue Carbon and the Challenges of Net Zero

ASIA-PACIFIC NETWORK FOR GLOBAL CHANGE RESEARCH (APN) GRANT FELLOWSHIP

Shrutika Parihar (PhD Student)

- Book Chapter Publication and Research

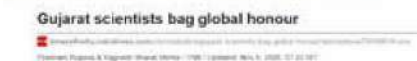
EVENTS

- Minal Pathak, Ahmedabad University, India. **Ahmedabad Learning Dialogues**. May 14 – 15, 2021
- Minal Pathak, Bhuvana Venkatesh, Bijal Vachharajani, Parth Shastri and Raj Shah, Ahmedabad University. **Solve Climate by 2030. Communicating Climate urgency: How to get our messaging right?** April 7, 2021
- Jim Skea and Minal Pathak, Ahmedabad University, India. **Sustainability Seminar Series. Just Transition**. September 25, 2020
- Minal Pathak, Ashwin Kumar and Maya Ratnam, Ahmedabad University, India. **Environmental Club Lecture Series. EIA 2020 and Environmental Law**. September 16, 2020
- Satya Tripathi and Minal Pathak, Ahmedabad University, India. **Sustainability Seminar Series. UN Sustainability Goals: How the Student Community Can Accelerate**. September 2, 2020
- Darshini Mahadevia and Minal Pathak, Ahmedabad University, India. **Experts Workshop on OPTIMISM Project Methodology**. July 7, 2020
- Minal Pathak and Renee Van Diemen, Ahmedabad University, India. **The Conversation Series: Energy Innovation: Accelerating the Energy Revolution**. July 4, 2020

CENTRE AT INTERNATIONAL EVENTS

REPRESENTATIVE	DATE	EVENT	LOCATION
Priyadarshi Shukla	October 13, 2020	59 th Session of the IPCC Bureau	Virtual
Priyadarshi Shukla, Minal Pathak and Purvi Vyas	December 7-14, 2020	IPCC – 53 rd Session	Virtual
Priyadarshi Shukla, Minal Pathak and Purvi Vyas	January 7, 2021	IPCC – 53 rd BIS Session	Virtual
Priyadarshi Shukla	March 22-26, 2021	IPCC – 53 rd BIS Session	Virtual
Priyadarshi Shukla, Minal Pathak and Purvi Vyas	April 19 -23, 2021	WGIII Fourth Lead Authors Meeting	Virtual
Minal Pathak	April 14-15, 2021	First Authors' Meeting on the Third Assessment Report on Climate Change and Cities, Urban Climate Change Research Network	Earth Institute, Columbia University, NY
Chaitali Joshi Doctoral candidate	9 November 2020 to 11 February 2021	Circular Economy	Technical University of Munich, Germany
Chaitali Joshi Doctoral candidate	26 May 2020 to 15 August 2021	Summer Research Internship	US Green Building Council
Shrutika Parihar Doctoral candidate	8 January to 15 March 2021	9-week programme Oxford school of climate change "The School of Climate Change, Hilary Term 2020	Oxford University, United Kingdom.

MEDIA COVERAGE



THE TIMES OF INDIA



RESEARCH AT THE GLOBAL CENTRE FOR ENVIRONMENT AND ENERGY

PUBLICATION

Shukla P. *Emissions Gap Report 2020*. United Nations Environment Programme, Nairobi, Kenya.

BOOK CHAPTERS

Dhar S., Pathak M., Shukla P., & Gupta A. (2020). Electric vehicles penetration in India for enhanced energy efficiency deployment in the transport sector. In Suzana Tavares da Silva & Gabriela Prata Dias (Eds.) *Energy Efficiency in Developing Countries: Policies and Programmes* (253–270). London: Routledge.

Parihar S. Climate (un)smart? Case study of smart city projects in Surat, India, *Resilient Smart Cities: Theoretical and Empirical Insights*, Switzerland: Springer Nature.

Roy, J., Das, N., & Some, S. (2021). India Must Use SDG Framework to Strengthen Developmental Diplomacy. In Chakrabarty, M and Suri, N. (Eds.). *A 2030 Vision for India's Economic Diplomacy* (190-203) New Delhi: Observer Research Foundation and Global Policy Journal.

Roy J., Das N., Some S., Mahmud H. (2021). Fast-Growing Developing Countries: Dilemma and Way Forward in a Carbon-Constrained World. In Dasgupta P., Saha A.R., Singhal R. (Eds.) *Sustainable Development Insights from India* (23-41). Singapore: Springer. https://doi.org/10.1007/978-981-33-4830-1_2

Stahlke T., Some S., Mukherjee V., Rübbecke D. (2021). Co-Benefits of CDM's Renewable Energy Projects in India and their Contribution to SDGs. In Leal Filho W., Luetz J., Ayal D. (Eds.) *Handbook of Climate Change Management* (1-21). Cham: Springer. https://doi.org/10.1007/978-3-030-22759-3_301-1

JOURNAL ARTICLES

Creutzig, F., Callaghan, M., Ramakrishnan, A., Javai, A., Niamir, L., Minx, J., ... Wilson, C. (2021). Reviewing the Scope and Thematic Focus of 100,000 Publications on Energy Consumption, Services and Social Aspects of Climate Change: A Big Data Approach to Demand-Side Mitigation. *Environmental Research Letters*, 16(3), 033001. <https://doi.org/10.1088/1748-9326/abd78b>

Gogoi, M. M., Jayachandran, V. N., Vaishya, A., Babu, S. N. S., Satheesh, S. K., & Moorthy, K. K. (2020). Airborne in Situ Measurements of Aerosol Size Distributions and Black Carbon across the Indo-Gangetic Plain during SWAAMI-RAWEX. *Atmospheric Chemistry and Physics*, 20(14), 8593–8610. <https://doi.org/10.5194/acp-20-8593-2020>

Gogoi, M. M., Pandey, S. K., Arun, B. S., Nair, V. S., Thakur, R. C., Chaubey, J. P., Tiwari, A., R. M. M., Kompalli, S. K., Vaishya, A., Priyith, S. S., Hegde, P., & Babu, S. S. (2021). Long-term changes in Aerosol Radiative Properties over Ny-Ålesund: Results from Indian Scientific Expeditions to the Arctic. *Applied Polar Science*, 100700. <https://doi.org/10.1016/j.polar.2021.100700>

Fujimori, S., Krey, V., Van Vuuren, D., Oshiro, K., Sugiyama, M., Chunark, P., Limmeechokchai, B., Mittal, S., Nishiura, O., Park, C., Rajbhandari, S., Silva Herran, D., Tu, T. T., Zhao, S., Ochi, Y., Shukla, P. R., Masui, T., Nguyen, P. V. H., Cabardos, A.-M., & Riahi, K. (2021). A Framework for National Scenarios with Varying Emission Reductions. *Nature Climate Change*, 11(6), 472–480. <https://doi.org/10.1038/s41558-021-01048-z>

Roy, J., Some, S., Das, N., & Pathak, M. (2021). Demand Side Climate Change Mitigation Actions and SDGs: Literature Review with Systematic Evidence Search. *Environmental Research Letters*, 16(4), 043003. <https://doi.org/10.1088/1748-9326/abd81a>

Schipper, E. L. F., Ensor, J., Mukherji, A., Mirzabaev, A., Fraser, A., Harvey, B., Totin, E., Garschagen, M., Pathak, M., Antwi-Agyei, P., Tanner, T., & Shawoo, Z. (2021). Equity in Climate Scholarship: A Manifesto for Action. *Climate and Development*, 1–4. <https://doi.org/10.1080/17565529.2021.1923308>

INVITED LECTURES

Shukla, P. Planning with Net-Zero Scenarios: Moving from Political Ambition to Country-Level Pathways. International Renewable Energy Agency (IRENA) and UN Climate Change, Virtual, December 17, 2020.

Pathak, M. Has the 1.5°C Warming Target Slipped Away? Neubauer Collegium, University of Chicago, Chicago, March 5, 2021.

Pathak, M. Has the 1.5°C Warming Target Slipped Away? Neubauer Collegium, University of Chicago, Chicago, March 5, 2021.

CONFERENCE PROCEEDINGS

Some, S. (2020). Critical Junctions on the Journey to 1.5°C: The Decisive Decade. *London/The Hague: Climate Strategies*. https://imaginethefuture.global/resources/images/Decisive-Decade-Report_Mission-2020-Final_12Apr.pdf

CONFERENCE PRESENTATIONS

Agrawal, K. (2021). Just Transition and Low Carbon transition pathway for India post Covid-19 in Green Recovery. Student session in Climate Expo - the 1st Virtual Conference, COP26 Universities Network and the Italian University Network for Sustainable Development, Russia, May 20, 2021.

Parihar, S. (2020). Climate (un)smart? Case study of smart city projects in Surat, India, In *Resilient Smart Cities: Theoretical and Empirical Insights*. *Asia-Pacific Network for Global Change Research (APN)*, Virtual, December 17, 2020.

Some, S. (2020). Agricultural mitigation options and SDGs connection: A case study of India. 8th Annual International Conference on Sustainable Development, Virtual. September 22, 2020.

EDITORIAL

Minal Pathak, Associate Editor of Journal of Climate & Development. www.tandfonline.com/action/JournalInformation?show=editorialBoard&journalCode=tclcd20

Shreya Some, Associate Editor of Challenges in Sustainability. www.librelloph.com/challengesinsustainability/about/editorialTeam



Ahmedabad
University

PHYSIOTHERAPY COLLEGE FOR THE VISUALLY IMPAIRED



The Physiotherapy College for the visually impaired runs a Diploma programme in Physiotherapy on two campuses: one at the School for Deaf-Mute Society in Navrangpura and another at the Blind People Association, Vastrapur. Our students are provided in-depth education in physiotherapy and are trained to become computer literate. Education is completely free and includes tuition fees, accommodation and food. The programme ensures that our students become independent and are able to have a successful career and life. A Physiotherapy Clinic that provides treatment to people at nominal costs functions under the Centre.

A total of 16 students enrolled in 2020-2021 at, the Blind People's Association and the School for Deaf Mutes Society.

PROGRAMME

- Diploma Programme in Physiotherapy



Ahmedabad
University

VENTURESTUDIO

VentureStudio - Ahmedabad University's startup incubator - completed ten years in 2021. Since its inception, VentureStudio has stayed focused on its vision to support innovation-driven technology startups. In the last decade, the centre has supported 100+ startups in various technological domain at a very early stage.

As the centre begins its journey into the next decade, it will continue to support startups through personalised mentoring, funds, office space, lab facilities, milestone based monitoring and networking. Additionally, VentureStudio also plans to organise high-value, sector-specific programs to support startups at a much deeper level o increase their chances of success. VentureStudio also aims to launch programmes in order to support the growing needs of Ahmedabad University students, alumni and faculty startups. Considering the maturing incubation landscape in India, the centre is determined to make necessary strategic changes in its vision and operations to strengthen VentureStudio brand in local and national startup ecosystem.

A total of 10 patents have been filed by our startups in the year 2020-21.





SUPPORT TO ENTREPRENEURS

As the first partner in entrepreneurial journeys, VentureStudio provides well rounded, comprehensive support to startup founders. Some of these elements are:

PERSONALISED ONE-ON-ONE MENTORING:

Right type of mentoring at the right time can increase the success chances of startups by manifold. VentureStudio has been providing mentoring to its startups through its network of 100+ mentors in following areas:

- Functional aspects of business ranging from Market Research, Intellectual Property, Analytics, Strategy, Business Model, Go to Market Strategy, HR, Finance & Valuation, Communication & Pitching, Legal
- Industry expertise in multiple domains and verticals such as healthcare, pharma, biotech, manufacturing and digital technology
- Product development/ prototyping
- Funding and financial support through partners
- Service providers support areas such as legal, compliance, IP, technology, product development etc.



FACILITIES

- **Co-working space** at VentureStudio campus is a 11,482 sq.ft incubation space including co-working area, conference meeting rooms, cafeteria , parking and recreational space. The co-working space is equipped with telecom, printing, photo-copying, scanning , hi-speed internet and wifi facilities. In addition to this, the centre provides access to meeting rooms, conference rooms equipped with projectors and audio/video conferencing facilities. This large space which can seat upto 80 people, is a great environment for peer learning and community building.
- **Prayas Shala Prototyping Lab** is a 3300 sq. ft. fabrication lab supported by DST NIDHI Prayas scheme and Ahmedabad University. It houses a design cell, an additive rapid prototyping section, a subtractive manufacturing section and an opto-electronics section. It also provides a co-working space with wi fi and video-conferencing facilities. Prayas Shala is operational and available for prototyping and workshop related work spanning machining, electronics, rapid prototyping, design, metrology, etc. The robust facilities, expert support staff and mentoring from subject matter and industry experts in our network makes it a fertile and holistic environment for product-based innovation
- **BioNEST Bioincubator** is supported by DBT BIRAC. It is a 6710 sq.ft comprising a 35-seater biochemistry wet lab, microbiology lab, molecular biology lab, tissue culture labs, 4 degree cold room, critical equipment room, storage and buffer preparation room and analytical instrumentation labs. It can support innovations in multiple domains such as diagnostics, biologics etc. The facility also has co-working space and meeting rooms for entrepreneurs

In special cases, VentureStudio may facilitate usage of University facilities such as labs, CoEs and library for its startups, subject to obtaining required permission.

FUNDS

Most early stage startups are bootstrapped and require funds for various activities such as prototyping, hiring, accounting, and marketing. VentureStudio provides grants and investments to such startups through various government schemes. The funding support provided by the centre ranges from INR 3L to 50L.

- **DST NSEDB NIDHI Entrepreneur-in-Residence Fellowship Programme (EIR)** is introduced by NIDHI DST to encourage graduating students to take up entrepreneurship. It does so by providing monthly stipend to these founders. The startups under this program gets funding of upto INR 3.6L. 11 startups have been approved and graduated under this program at VentureStudio.
- **DST NSTEDB NIDHI Prayas Prototyping Grant** is a scheme to enable translation of an innovative idea to a prototype. It provides a platform for faster experimentation in the journey to find product-market fit. Startup can receive upto INR 10L in grants under this scheme. A total of 29 high-potential technology startups have been supported under this scheme at VentureStudio.
- **DST NSTEDB NIDHI Seed Support System (SSS)** provides timely seed fund support to the deserving startups, thereby enabling them to take their venture to the next level by facilitating adequate go-to-market. The scheme also enables the centre to share the success of their startups which could ensure the center's long term operational sustainability. The support extended under this program is upto 50L. VentureStudio has supported eight startups under this scheme.
- **Government of Gujarat Startup Grant** offers upto INR 30 lakhs to eligible innovative entrepreneurs for both product and business development. The centre has supported 15 startups under these scheme.
- **DBT BIRAC (Biotechnology Industry Research Assistance Council)** focuses on fostering the biotech innovation ecosystem in the country. The Biotechnology Ignition Grant (BIG) goes upto INR 50L. VentureStudio has helped a startup under its wing get the required grant under the BIRAC scheme

PARTNERSHIPS

Strategic Partnership with TechEx.in: VentureStudio entered into a partnership with TechEx in June 2021. TechEx.in is a Technology Transfer Hub operated by Venture Center, Pune, India and supported by the National Biopharma Mission, BIRAC (Government of India). As a strategic partner, Ahmedabad University & VentureStudio will be eligible for benefits such as:

- A dedicated manager
- Technology partnership mechanism & contract management for Industry-Academia collaborations
- Advisory, Drafting, Filing & Prosecution for IPR protection
- Specially designed Workshops & training programs for IP
- Technology Marketing - collaterals, listing on shared channels & databases
- Lead management & interfacing
- Technology Transfer - deal structuring, agreements, valuations, negotiations, agreement management. Special discounts of up to 40% on many of the services offered

Associate BIG Partner: VentureStudio at Ahmedabad University is an Associate BIG Partner for executing and monitoring the Biotechnology Ignition Grant (BIG) across all domains (in association with SINE at IIT Bombay). BIRAC's BIG is the largest early-stage biotech funding program in India with a funding support of up to INR 50 lakhs.

EVENTS

VentureStudio conducted several strong value-addition programmes for the startup ecosystem:

All about Entrepreneurship: VentureStudio & Entrepreneurs' Club at Ahmedabad University came together for a series of webinars under the banner "All About Entrepreneurship". This platform was designed to enable students to systematically take the entrepreneurial journey in a systematic three-stage process: Learn-Experience-Execute

The learning module consisted of three components; Incubation 101, Start-up Stories and Product Development webinar series. In this module, the attendees were exposed to a comprehensive overview of entrepreneurship and product development, while sharing in the inspiring journeys of innovative entrepreneurs.

- **Incubation 101** was a "certificate" webinar series delivered by Industry Experts and Entrepreneurs in VentureStudio's network. They shared their concepts and learning about the critical aspects of Entrepreneurship. 9 workshops of Incubation 101 were conducted over a period of 45 days with mentors like Mohan Krishnan, Anshul Saurashthri, Arijit Bhattacharya, Kaustubh Dhargalkar, Protima Sharma, and Sanjeeva Shivas.
- **Start up Stories** was an online conversation series with leading startup founders from various domains like technology, engineering, life sciences, environment, social interventions etc. These sessions were hosted to enable students and audience to learn about entrepreneurship and get inspired. Two such interactions were hosted with startup founders Shyamal Parikh and Purav Gandhi in February and March 2021 respectively.
- **The Product Development** webinar series was facilitated by VentureStudio in collaboration with Engineering Technique Pvt Ltd. The series was designed to take the audience through the process of product development process - design, functional prototyping, manufacturing and testing. Six workshops were conducted with experts like Mayur Kachhiya, Gaurav Harane and Rudresh Vyas in the month of February and March 2021

The event witnessed a participation from over 700 entrepreneurs and potential enterprises over a period of 45 days.

Covid - Worrier or Warrior: was a webinar series initiated by a group of 30+ incubators across Gujarat during May 2020. Covid times were tough for many, some faced health issues, some had emotional losses, anxiety, pressure, financial hassles and more. So while there was a lot of noise on what was going wrong, the group thought of initiating a session where they spoke about "What went right", and shared stories of startups and how they weathered the storm. It became a platform to share experiences.

Industry experts like Sunil Parekh, Archit Somani, Prasann Venchurkar and Shubankar Mukherjee shared their journeys as well.

PROJECT SUPPORT AND INTERNSHIPS

- Our startups NeoMedSys and Biofics enrolled MBA student teams for their route camp projects
- Students were placed in summer internship with three VentureStudio portfolio startups - YHonk, Healthark Insights and NeoMedSys

STARTUP ACHIEVEMENTS

Wide Need Nation Pvt Ltd:

- This startup has developed an innovative and patented unisex Disposable Urine Bag, addressing the problem of unavailability of clean washrooms through a handy easily usable toilet at hand for any place
- Their product, Peeschute, has IPR for design and method of use for Travel incontinence bag: Patent Granted: Number : 201621029223A
- Among the top 56 startups selected under the Center for Augmenting War with Covid-19 Health Crisis (CAWACH) by Department of Science and technology in July 2020
- Peeschute closed its Pre-Series A round in June 2020 led by Marwari Angel's group, Hyderabad in collaboration with Center for Innovation, Incubation and Entrepreneurship at IIM-Ahmedabad The investment round was closed with support of SAATRA Capital based out of Hyderabad

Prayogik Technologies Pvt Ltd

- The startup was selected for the GAIL 50cr funding challenge and awarded INR 60Lakh funding as equity finance
- Their Thermoelectric Module Static Generator TMSG-DC-200 is highly reliable, low-cost, and rugged, a highly reliable remote power supply unit working with natural gas or propane, generating electrical power converting directly heat energy into electricity
- Have been selected as one of the 30 technologies that were exhibited and demonstrated on the Exhibition Floor of the MEPEC conference in the Kingdom of Bahrain
- Leveraging synergies they have commenced working as a Design, Engineering and Consultancy firm in Offshore Electrical & Instrumentation for BHEL Bhopal and have successfully qualified in the technical bid with the highest efficiency Solar Power System in NRDP & LEWPP02 Hybrid Power System projects of ONGC
- Prayogik Technologies has an IPR for the TMSG-DC (Thermoelectric Module Static Generator) TMSG-DC Patent no. E-106/545/2018/MUM - Published and Filed copyright for control unit of TMSG-DC
- Their Key Customer include marquee names like ONGC GAIL, Reliance, Essar, BG etc All Exploration & Production, PTTEP, ExxonMobil, Gazprom etc. Natural Gas Transportation companies operating in offshore Middle East & Gulf countries. Military Services, Army etc.

NEW STARTUPS

VentureStudio enrolled 10 new startups in March 2021 under the Nidhi Prayas Scheme. One of the startups under this scheme is founded by Ahmedabad University Alumni Nikki Thakrar and Kunal Vyas.

A brief of all the start ups is as under:

FOUNDER	DOMAIN	DESCRIPTION
Tarang Sutaria	Textiles	Design, Development and Manufacture of Machine (based on a Patented technology) for opening of dense lumps of matted fiber in blow room of a spinning mills
Jaydev Desai	Defence & Aerospace	Development of training station using technology innovation to train maintenance personals. Improved Operational preparedness of Indian Armed Forces; Reduction in training cost. Possible reduction in manpower
Dr. Chaitra Sampath	Medical Device	A Novel Preformed readily available Intra-oral Fixed device for management of Obstructive Sleep Apnea (Snoring) in growing Paediatric Patients
Anirban Palit	Diagnostic	A Stand Alone, Cost-Efficient immunoassay kit which can be used in a low-resource setting, with minimal technical expertise as a Point of Care Test (POCTs) to screen Cervical Cancer using cervical cells, and provide Clinically Relevant results.
Rohan Agarwal	Diagnostic	A rapid, instrument free, point of care, disposable device for Neonatal (new born) screening. A stand-alone credit card-sized, easy to use disposable blood testing platform technology for environment with limited resources
Hasin Vaidya	Social Enterprise	Smart wallet with a small micro processor which has all the data into it. The sensors are integrated in the wallet which identifies the currency note and it also identifies whether the note is real or fake.
Sanket Kedar	Agro	An Affordable on-farm virtual crop assistance system for small & marginal farmers to improve farm productivity as well as soil health
Devesh Patel	Electric Vehicle / Energy	Development of 96VDC Charger
Nikki Thakkar & Kunal Vyas	Engineering / Industrial	A Semi Automatic Staircase Load Carrier
Satyen Engineer	Environment	Smart on-board device to measure, monitor and curtail vehicular hinking

NEW STARTUPS IDENTIFIED FOR BIONEST

BioNEST lab is fully functional and ready to be used by high-potential biotechnology startups as well as Ahmedabad University students and faculty. After an active outreach and rigours selection process, following startups have been selected to use BioNest for their research.

FOUNDER	DOMAIN	DESCRIPTION
betaMG- Beta Morengai (Ayush Panara)	Nutraceuticals/ Food	Development and production of novel nutraceutical products harnessing the potent properties of the classic Beta-Morengai plant and other such value plants using their biological tissues as ingredients in developing the therapeutics
NeoMedsys Pvt. Ltd. (Tanmay Sutaria)	Medical Device	Development of an IoT based multi-channel peristaltic pump for precise flow rates and automatic operation with extensivke applications in drug dosing and other clinical applications
Bhaumik Patel	Industrial Manufacturing	Development of biochemical product called Dextran. Industrial manufacturing of medical grade molecules which can also act to transport drug molecules. Also used in Pharmaceutical and in Cosmetic products. Forward possibilities for drug manufacturing through transgenic plants.
ONCO-D-SENS (Vinod Kuberkar)	Companion Diagnostic/ Prognostic	Development of an innovative process using 3D spheroid based cell culture system using blood from patients to test the optimal drug regimen
Biohealing Technologies (Chitan Raval)	Drug Delivery System	Development of a bio-engineered universal dressing solution by using three dimensional Collagen protein scaffold that has necessary physical, biological & chemical properties for instant bleeding control and wound healing. The improvement is that it is a unified solution that merges multiple features, with an IP scope for process and efficacy.
Vijay Upadhye	Diagnostic	Development of an HIV TB co-infection is neglected area of research and studies are urgently needed. Working on diagnostic challenges (for identifying novel markers for TB, HIV and HIV-TB Co-infection). Serum signatures derived from RNA microarray study and other approaches will be helpful in achieving such a target.
Gene Explore Diagnostics & Research Pvt. Ltd (Dr Shiva Chettiar)	Diagnostic	Development of innovative processes using Metabolomics to discover biomarkers, develop diagnostic tests for In-vitro Fertilisation – both pre implantation and implantation prediction
SARC (VGS Sharma)	Toxicology	Provision of toxicology services in multiple areas spanning pre-clinical toxicology, ecotoxicology, medical devices and bioassays
Raj Raval	Remote Healthcare	Provision of virtual HealthCare 24/7 Virtual ICU Support using information technology, IOT based infrastructure and deep domain and networking capabilities
Satyen Engineer	Environment	Smart on-board device to measure, monitor and curtail vehicular hinking



THE UNDERGRADUATE COLLEGE

The Office of the Dean of the Undergraduate College oversees the philosophy, structure and implementation of undergraduate programmes at Ahmedabad University. The Office works with the Schools at Ahmedabad University 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 recommends new academic policies or suggests revisions for existing policies, based on feedback from students and faculty.

Significant new policies that were introduced in 2020-2021 are as given below:

Guidelines for awarding Scholastic Distinctions to Graduating Students

To recognise the academic excellence of students, Scholastic Distinctions such as 'With Highest Excellence, With High Excellence and With Excellence' were introduced for the graduating batch of 2020. These distinctions will hereafter be awarded to graduating students of all Undergraduate Programmes at Ahmedabad University for exemplary academic performance.

Dean's Recognition

The Dean's Recognition was introduced to recognise the academic excellence of students and to motivate them to perform well academically and non-academically. The Dean's Recognition will be awarded annually to Bachelor's, Integrated Master's and Master's students demonstrating academic excellence. Additionally, students who achieve an exemplary academic or non-academic milestone or demonstrate excellence in an academic or non-academic pursuit are eligible to be awarded the Dean's Recognition.

Semester Abroad under the Study Abroad Programme

Under the Study Abroad Programme, Ahmedabad University offers its students a wide range of possibilities to study at reputable institutions across the world. The invaluable experience of cross-cultural teamwork and collaboration with international experts help build global perspectives. The Semester Abroad provision has been enhanced to expand the range of institutions at which undergraduate and graduate students of Ahmedabad can study for a semester.

Accommodation for students with special needs

Students admitted to or at Ahmedabad University may have medical issues, learning disabilities, physical disabilities, etc. that can impact their learning. The University is committed to supporting such students and assisting them in navigating through their coursework and other activities at the University. The existing procedures to support students have been formalised to ensure that students with disabilities are sufficiently enabled to participate in a course and meet the course requirements.

FOUNDATION PROGRAMME

Undergraduate students are introduced to the essence of Ahmedabad University Learning through our common core, the Foundation Programme. This Programme for first year students builds the foundations of interdisciplinary learning at Ahmedabad University and enables students to engage with issues of society through project-based learning. The Foundation Programme 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 essential in the 21st century. **The Domains of knowledge that define the Foundation Programme are: Materials, Biology and Life, Behaviour, Constitution and Civilisation, Data, and Communication.**

The delivery of these domains is done through thematic courses in studio format to develop a holistic approach to thinking and enquiry in our students. They learn to understand multiple issues that define a problem and learn the art and science of synthesis.

The Thematic Studios offered in 2020-2021 were:

Democracy and Justice, Environment and Climate Change, Neighbourhoods, and Water

In each Thematic Studio, domain knowledge was delivered through an application area, thereby creating interdisciplinary learning. For instance, certain topics studied in the Studio on Water included inputs from Biology and Life, Behaviour, Data, and Communication. The students thus learned that many systems of knowledge are required to solve challenging problems. Students in a Studio first identified issues relevant to the Theme of the Studio, understood the various dimensions to these issues, analysed the related data, and considered solutions. While school education often has a narrow focus on a few related subjects, the Foundation Programme aims to expand the outlook of students and teach them that real-life issues and societal problems are multidimensional and require interdisciplinary solutions.

The Foundation Programme was delivered online in 2020-21. The online exposition of the outputs created in the Foundation Programme was open to students and their families.



STUDENT VOLUNTEER PROGRAMME

All students admitted to the Bachelor's and Integrated Master's programmes at Ahmedabad University are required to complete 30 hours of voluntary work 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.

Over the past year (2020-2021), the Student Volunteer Programme worked with the High on Life Foundation (anti-drug addiction campaigning), Humankind (creating teaching aids and conducting sessions for students from under-resourced schools), Khoj Museum (science education), Prabhat Education Foundation (special needs education), GIAN (grassroots innovations) and TIDE Foundation (generating teaching materials), among other non-profit organisations in Ahmedabad. About 1300 students participated in these projects.

ART-A-THON, a student-led awareness campaign at the University against drug abuse was felicitated by High on Life Foundation as part of observing the International Day against Drug Abuse and Illicit Trafficking on June 26. Munira Jariwala, Coordinator of the Student Volunteer Programme and Professor Vaibhav Kadia were facilitated by Shri Shailendra Mishra, Zonal Director of Narcotics Control Bureau, Ahmedabad in a ceremony held on June 25, 2021.

THE UNDERGRADUATE RESEARCH PROGRAMME (UGRP)

The Undergraduate Research Programme (UGRP) allows undergraduates from all disciplines to gain a lifetime experience through mentored research and creative engagements in which students and mentors collaborate in the design and implementation of projects and the dissemination of results. It also aims to provide undergraduate students the opportunity to explore a new field of knowledge, including an interdisciplinary domain or to delve deeply into their area of study, via a faculty mentored research experience. In 2020-21, 78 undergraduate students participated in 42 UGRP projects with 24 faculty members.



THE GRADUATE SCHOOL

The Office of the Dean of Graduate School and Research oversees research activities at the University including:

ACTIVITIES

- Formulating guidelines for 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 status of doctoral students and their progress, including management of dissertation evaluation

DOCTORAL STUDENTS

Currently, there are 60 doctoral students.

38 full-time students

School of Engineering and Applied Science: 16

School of Arts and Sciences: 20

Amrut Mody School of Management: 2

22 part-time students

School of Engineering and Applied Science: 10

School of Arts and Sciences: 2

Amrut Mody School of Management: 10

Thirty one of the full-time students were supported:

Sponsored Projects/External Fellowships: 12

University Fellowship/Assistantship: 10

School Teaching Assistantship: 9

In this academic year, one student has successfully defended her dissertation, three students have submitted their dissertation and 4 students were awarded the PhD degree in the Convocation 2020.

UNIVERSITY ASSISTANTSHIPS

Since July 2018, Ahmedabad University has instituted University Assistantships that carry a tuition waiver and a stipend. Only full time PhD students are eligible for this. Subject to satisfactory academic performance, a student can continue receiving the assistantship for a maximum of 4 years. At present, ten students are receiving the assistantship. For the academic year 2021-22, the number of University Assistantships has been increased. In addition, Schools provide Teaching Assistantships.

INITIATIVES TO ENHANCE DOCTORAL PROGRAMME ENROLMENT

Several initiatives were taken to enhance the PhD intake. These included organising discipline-specific webinars with PhD aspirants, placing an advertisement in a widely read national newspaper, advertising on an education portal and increasing the number of assistantships. Our aim is to progressively increase the yearly intake of PhD students, and it is expected that in another five years, the population of doctoral students at the University will be approximately 240. A series of webinars were organised with potential PhD applicants as well.

GRADUATE FACULTY COMMITTEE

The Graduate Faculty Committee has been constituted for helping and advising the Dean of Graduate School. The committee members are as follows:

Deepak Kunzru
Chairperson
Dean, Graduate School and Research

Bijal Mehta
Associate Professor

Mona Mehta
Associate Professor

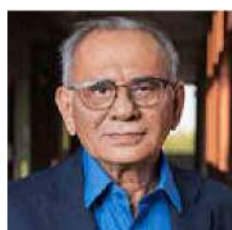
Sutapa Mukherji
Professor

Subhash Rajpurohit
Associate Professor

Dharmesh Varade
Associate Professor

UNIVERSITY RESEARCH BOARD

Ahmedabad University has established the University Research Board (URB) to support and promote research by faculty, students and staff. The University Research Board members are:



Deepak Kunzru
Dean
Graduate School and Research
Ahmedabad University



Devanath Tirupati
Senior Dean Academic and
Dean, Amrut Mody School of
Management
Ahmedabad University



Sanjay Chaudhary
Interim Dean
School of Engineering and
Applied Science
Ahmedabad University



Rama Ratnam
Professor
School of Arts and Sciences
Ahmedabad University



Darshini Mahadevia
Associate Dean, Arts
School of Arts and Sciences
Ahmedabad University



R.R.Sonde
Visiting Professor
Department of Chemical
Engineering
IIT Delhi



Ravindran Balachandran
Emeritus Professor
Institute of Life Sciences,
Bhubaneswar



Anirban Dasgupta
N. Rama Rao Chair Professor
Department of Computer
Science & Engineering
IIT Gandhinagar



Tejaswini Niranjana
Professor and Head
Department of Cultural
Studies
Lingnan University
Hong Kong

The Board promotes research by recommending proposals for internal funding and examining proposals for submission to external sponsoring agencies. The internal research funds are distributed as seed grants (up to INR 2 lakhs for initiating new projects), start-up grants (up to INR 25 lakhs for newly recruited faculty), or University challenge grants (upto INR 25 lakhs for undertaking interdisciplinary projects to address complex challenges facing society). URB also provides financial support to faculty for development of teaching material, participation in international conferences and recommends partial financial support for organising national and international conferences.

ACTIVITIES

The highlights of the activities of the URB in 2020-21 are given below:

SEED GRANT PROPOSALS

Banker, N. **INR 1,98,000**
Development of Experimental Model to Evaluate Minimum and Optimum Limits of Source Temperature to Drive Solar Adsorption Refrigeration System, Amrut Mody School of Management

Ratnam, M. **INR 1,03,000**
Household Decision-Making under Uncertainty: Impact of the Covid-19 Pandemic and Lockdown on Low-income Households in Ahmedabad

Varade, D. **INR 2,00,000**
Study on Self-assembly of Novel Sulfate-free Surfactants for Personal Care Formulations

Jana, K. **INR 2,00,000**
Regional Covid Infection Explorer and Forecaster in the Indian Context

START-UP GRANT PROPOSALS

Ratnam, R. **INR 25,00,000**
Signal encoding and signal detection in the electrosensory system of weakly electric fish: Behaviour and neurophysiology

EXTERNALLY SPONSORED PROJECTS

Currently there are 25 on-going sponsored projects with a total sanctioned budget of INR 1890 lakhs. Out of these, 4 projects with a total sanctioned budget of INR 121 lakhs were approved between July 2020 and June 2021. Moreover, 7 projects were completed in this period. The details of the on-going projects are given below:

PRINCIPAL INVESTIGATOR	YEAR OF AWARD	FUNDING AGENCY	TITLE OF THE PROJECT	START DATE	CLOSURE DATE	AMOUNT (INR Lakhs)
Balaji Prakash (School of Arts and Sciences)	2012-13	Gujarat Institute of Chemical Technology	Establishing Center for Nanotechnology Research & Applications (CENTRA)	01.04.2012	31.12.2021	INR 890.00
Ashutosh Kumar (School of Arts and Sciences)	2015-16	Gujarat Institute of Chemical Technology	Establishment of a facility for environmental risk assessment of chemicals and nano materials	01.04.2015	30.06.2021	INR 43.52
Minal Pathak (Global Centre for Environment and Energy)	2017-18	Imperial College of Science Technology and Medicine (IPCC London)	Technical Support Unit of working Group III of the intergovernmental panel on climate change -(IPCC, London)	01.01.2018	31.12.2022	INR 125.94
Subhash Rapurohit (School of Arts and Sciences)	2018-19	Science and Engineering Research Board	Ramanujan Fellowship	21.05.2018	20.05.2023	INR 38.00
Vivek Tanavde (School of Arts and Sciences)	2018-19	Gujarat State Biotechnology Mission	Identification of Salivary Exosomes derived miRNAs as potential early diagnostic biomarkers in oral cancer patients: a liquid biopsy approach	19.03.2019	30.09.2021	INR 29.12
Noopur Thakur (School of Arts and Sciences)	2018-19	Science and Engineering Research Board	Crosstalk between TGFbeta signaling and the epigenetic states in driving tumorigenesis	11.10.2018	10.10.2021	INR 44.54
Ashutosh Kumar (School of Arts and Sciences)	2018-19	Impacting Research Innovation and Technology, India	Advanced nanotracers for product life cycle assessment and product monitoring	21.08.2017	31.03.2022	INR 24.23
Subhash Rapurohit (School of Arts and Sciences)	2018-19	Science and Engineering Research Board	Cuticle soft or hard: How do insects balance water?	29.03.2019	28.03.2022	INR 22.12

PRINCIPAL INVESTIGATOR	YEAR OF AWARD	FUNDING AGENCY	TITLE OF THE PROJECT	START DATE	CLOSURE DATE	AMOUNT (INR Lakhs)
Ratna Ghosal (School of Arts and Sciences)	2018-19	Science and Engineering Research Board	Ecological assesment exotic salfin catfish in the Indian Freshwater	22.03.2019	21.03.2022	INR 45.43
Snigdha Khuntia (School of Engineering and Applieid Science)	2018-19	Science and Engineering Research Board	Simultaneuos removal of NOX and SO2 from the flue gas: A low temperature ozone based process	24.07.2018	23.07.2021	INR 43.30
Manish Datt (School of Arts and Sciences)	2019-20	Ignite Foundation	Machine learning based B-cell epitope prediction	01.02.2019	01.08.2021	INR 0.10
Mary Ann Chacko (School of Arts and Sciences)	2019-20	Spencer Foundation	Addressing dissonances between education research and post market reform society	01.06.2019	31.05.2022	INR 35.00
Darshini Mahadevia (School of Arts and Sciences)	2019-20	Department of Biotechnology	Opportunities for climate mitigation and sustainable development	14.10.2019	13.10.2021	INR 85.57
Dharmesh Varade (School of Engineering and Applieid Science)	2019-20	Department of Atomic Energy (DAE) ,Board of research in Nuclear Science BRNS	High throughput synthesis of nanoliposomes in microfluidic reactors for efficient delivery of anticancer drugs	01.08.2019	31.07.2022	INR 30.80
Raghavan Rangarajan (School of Arts and Sciences)	2019-20	Department of Science and Technology, New Delhi	Cosmological dark matter, primordial black holes, Bose-Einstein condensates and charge asymmetry of the Universe	09.08.2019	09.08.2022	INR 40.91
Mitaxi Mehta (School of Engineering and Applied Science)	2019-20	Science and Engineering Research Board	An iterated symplectic map for understanding Hamiltonian chaos	05.07.2019	04.07.2022	INR 6.60
Leya Mathew (School of Arts and Sciences)	2019-20	Spencer Foundation, USA	Shifting science identities and appropriate femininities at a Pharmacy College in India	27.09.2019	26.09.2021	INR 48.48
Krishna Swamy (School of Arts and Sciences)	2019-20	Department of Biotechnology	Unraveling cellular re-programming underlying the evolution of hybrid vigor in introgressed yeast hybrids (Ramalingaswamy Fellowship)	01.04.2020	16.03.2025	INR 113.60
Dharmesh Varade (Pi) Snigdha Khuntia (Co-Pi) (School of Engineering and Applieid Science)	2020-21	UGC-DAE Consortium for Scientific Research	Phase behavior and microstructures in aqueous solution of mixed surfactant systems, micellar transition foaming and microemulsion	01.04.2020	31.03.2023	INR 15.00
Souvik Sen Gupta (School of Arts and Sciences)	2020-21	Science and Engineering Research Board	Identification and characterization of a novel protein from Leishmania donovani with potential implication in cell death pathways	20.05.2020	31.05.2023	INR 44.29
Maya Ratnam (School of Arts and Sciences)	2020-21	Social Science Research Council, USA	Governing the pandemic: relief and resilience in Ahmedabad, Gujarat	10.10.2020	10.09.2021	INR 3.67
Ratna Ghosal (School of Arts and Sciences)	2020-21	Island Foundation, US	Development of a pattern recognition tool to identify individual marsh crocodiles	01.10.2020	01.10.2021	INR 3.42

PRINCIPAL INVESTIGATOR	YEAR OF AWARD	FUNDING AGENCY	TITLE OF THE PROJECT	START DATE	CLOSURE DATE	AMOUNT (INR Lakhs)
Snigdha Khuntia (Pi) (School of Engineering and Applied Science) and Sameer Dalvi (Co-Pi) (IIT Gandhinagar)	2020-21	Department of Science and Technology, New Delhi	Synthesis of magnetic coated microbubbles for removal of trace pollutants	01.03.2021	01.03.2024	INR 69.98
Anjan Anand Sen (School of Arts and Sciences)	2020-21	Science and Engineering Research Board	Search for the missing links between observation and theory in beyond concordance Λ CDM model	26.02.2021	26.02.2024	INR 43.86
Anjan Anand Sen (School of Arts and Sciences)	2020-21	Science and Engineering Research Board	Astrophysics and Cosmology in Ghost free Bi-metric Gravity	11.02.2020	10.02.2023	INR 66
Darshini Mahadevia (School of Arts and Sciences) Co.Pi Glyn Williams (University of Sheffield), Karen Coelho (Madras Institute of Development Studies) and Binitha Thampi (Indian Institute of Technology, Madras)	2020-21	The British Academy	Managing Covid-19 in India's Cities: reshaping people's everyday lives in poorer urban neighbourhoods	23.03.2021	23.03.2024	INR 9.9
Keyur Joshi (School of Engineering and Applied Science) Co.Pi Reena Trivedi (Nirma University)	2020-21	Gujarat Council on Science & Technology	Development of a vision-based multi-degree of freedom feeding serial manipulator for the patients suffering from neurological disorders and infectious disease (COVID-19)	01.04.2021	31.03.2023	INR 1.21 Travel Grant

PURCHASE OF MAJOR EQUIPMENT

In 2020-21, The purchase of the following major equipment was approved:

- 1) Equipment for Biology and Life Sciences Lab. (freezer; ice-making machine; Milli Q+ RO filter): INR 18 lakhs
- 2) Equipment for Psychology Lab. (audiometric booth; virtual reality box; computer systems, etc.): INR 10 lakhs
- 3) Processors for High Performance Computer: Rs 6.0 lakhs

TOTAL: INR 34.0 LAKHS

UNIVERSITY GRANTS OFFICE

The Grants Office at the Ahmedabad University was established in June 2019 to facilitate grant fund raising at different levels. The office 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 that is currently being used by faculty members to submit their proposals for consideration by the University Research Board. This office also publishes a quarterly research newsletter and a monthly research compendium giving information on funding opportunities.

In this academic year, additional features included in the grants portal include enabling the viewing of grant fund balances by principal investigators and provision for sending auto-reminder emails to the faculty regarding submission of required documents prior to completion of the grant.

The Grants office also published three research newsletters highlighting the research achievements of the faculty and 12 research compendiums informing the faculty of the funding opportunities.

Moreover, online workshops were organised for enhancing research at the University and promoting interaction with external funding agencies. The details of the workshops are:

Workshop on Research Funding, Project Management, and Research Communications

September 30, 2020

Deepak Kunzru
and **Savita Ayyar**

Workshop on Grant-Writing

October 7, 2020

Deepak Kunzru
and **Savita Ayyar**

Workshop on funding Opportunities at the Indian Council of Social Science Research (ICSSR)

March 2, 2021

Revathy Vishwanath
Deputy Director (Research), ICSSR

Workshop on Opportunities at the International Growth Centre (IGC)

May 12, 2021

Kumar Das (Programme Policy Manager for IGC Bihar)
and **Ms Bijeta Mohanty (Programme Economist)**

ETHICS COMMITTEE

The code of ethics for conducting research by faculty, staff and students was approved in the Academic Council. The University has constituted an interim Ethics Committee. The Committee members are:

Deepak Kunzru
Dean, Graduate School and Research
Chairperson

Maya Ratnam
Assistant Professor
Member

Ashwin Kumar
Director, IQAC and Senior Fellow
Member

Ratna Ghosal
Assistant Professor
Member

Jaina Mehta
Lecturer
Member

Ekta Sharma
Associate Professor
Member

Rama Ratnam
Professor
Member

This committee has been entrusted with the task of preparing a draft of the processes to be followed for certifying that a research proposal does not violate the Code of Ethics of the University and also adheres to the regulations of the Govt. of India, especially for research involving humans, animals and bio-related projects.

INSTITUTIONAL BIOSAFETY COMMITTEE

Institutional Biosafety Committee (IBSC) is an internal regulatory committee created under the guidelines of Department of Biotechnology, Government of India. IBSC reviews all research activities involving biohazardous substances, and has overall responsibility for maintaining the biosafety guidelines within the university. Biohazardous substances includes, but are not limited to, recombinant DNA, RNAi, genetically modified organisms (GMOs), pathogens, human materials and other potentially infectious material. 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 constitution of Institutional Biosafety Committee (IBSC) at Ahmedabad University has been approved by the Department of Biotechnology on January 31, 2020. The Committee members are:

Vivek Tanavde
Chairman
Ahmedabad, Gujarat

Ratna Ghosal
Member Secretary
Ahmedabad, Gujarat

Krishna Swamy
Internal Member
Ahmedabad, Gujarat

Chaitanya G. Joshi
DBT Nominee
Director
Gujarat Biotechnology Research
Centre,
Gandhinagar, Gujarat

Dhiraj Bhatia
Outside Expert
Gandhinagar, Gujarat

Rama Ratnam
Internal Member
Ahmedabad, Gujarat

Gayatri Raval
Biosafety Officer
Ahmedabad, Gujarat

Souvik Sengupta
Internal Member
Ahmedabad, Gujarat





CAREER DEVELOPMENT CENTRE

The Career Development Centre (CDC) at Ahmedabad University helps students find success in their career by providing the resources to explore, discover, develop, and pursue their personal and professional goals. The CDC acts as a bridge between their career goals and the corporate world.

The CDC is committed to working with students at all levels of their career aspiration cycle - from interest to assessments, networking opportunities and job searching strategies. It functions as the nodal office for the University's corporate relations.

ACTIVITIES AT CAREER DEVELOPMENT CENTRE

Activities conducted by CDC help students work on areas of development and build their career. These activities include:

- Career Counselling, Guidance and Planning
- Career Assessment and Testing
- Career Development Workshops & Interactions of industry leaders
- Campus-to-Corporate Training
- Professional Grooming
- Personality Development workshops
- Communication Proficiency Interventions
- Resume Writing
- Group Discussion and Personal Interview
- Quantitative, Analytical and Logical Practice Test
- Aptitude Practice Test
- Industry Engagement (Guest Lecture, Seminars, Research Projects etc.)
- Placement & Internship Assistance

CAREER DEVELOPMENT CENTRE-STUDENT COMMITTEE

The Career Development 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 CDC. They help build a symbiotic environment for students' development.

ROLE

The Centre helps build a strong and active university-industry interface.

It enhances students' career readiness through coaching, counselling, instruction, and innovative programmes that aligns with industry trends.

It organises various forum of engagement with industry for students and faculty like guest lectures, workshops, seminars, conferences and projects.

It provides experiential learning to students through internship opportunities.

It assists students to achieve their career goals by creating employment opportunities.

CDC promotes student responsibility for lifelong career development through exploration, education and experience.

The academic year 2020-21 was an extraordinary year across the globe with a huge impact on businesses and fresher hiring sentiment. Taking the challenge head-on, Ahmedabad University went all out to provide rigorous training to our graduating batch while simultaneously amplifying corporate outreach. The CDC managed to increase the number of career opportunities for students. The year saw the highest placement percentage in the last three years and almost double the number over the last year with no rollback of job offers.

HIGHLIGHTS

Highest placement percentage recorded in last 3 years.

Over 91% students secured Internship via CDC (61.47% in the previous year).

100% placement achieved from MTech - Data Science & Analytics.

Three students for the BBA programme selected as Best Interns 2021 by Shriram Life Insurance.

Airtel, Adani Wilmar, Reliance Retail, Ford India, Nivea, Welspun, Shriram Life Insurance, ICICI Prudential are among the new recruiters who visited Ahmedabad University.

GRADUATING STUDENTS DATA

2020-2021

Students in Jobs	25%
Students Pursuing Higher Education	43%
Students in Family Business	10%
Students working on a Startup Idea	18%
Students looking for a job at the time of Convocation	4%

PROGRAMME-WISE ACTIVITIES

Career Counselling, Placement and Internship Preparation Training

2019-2020

2020-2021

BBA and BCom	50	98
MBA and Integrated MBA	59	237
BTech	30	78
MTech and Integrated MCA	4	18
Integrated MS	4	14
TOTAL	147	445*

*Training support extended for the first time in 2020-21 to students seeking Summer Internship.



CAREER COUNSELLING, ASSESSMENT & DEVELOPMENT ACTIVITIES

Career Development Centre undertakes activities to build the students capabilities and job readiness. The Centre evaluates and supports students through psychometric analysis, aptitude tests, personal counselling and everything in between.

The Centre undertook a training session on resume writing, mock interviews and group discussions for all students registered with the CDC. The key activities undertaken by CDC are listed below:

NAME OF THE EVENT	PROGRAMME	START MONTH	END MONTH	FACILITATORS
Employability Assessment	BTech ICT, Chemical, Mechanical, Integrated MCA, MTech CSE	June 2020	June 2020	Mr Mandeep Warraich Aspiring Minds
One-on-One counselling with student registered for Placement	MBA, Integrated MBA, BTech ICT, BTech Chemical, BTech Mechanical, Integrated MCA, MTech CSE	August 2020	June 2021	CDC and CDC Faculty Committee Team
Quantitative, Analytical and Logical Test Sessions	MBA and Integrated MBA	October 2020	December 2020	Career Launcher
Pre-Placement Preparation Webinar with CDC	Integrated MCA	November 2020	November 2020	CDC and CDC Faculty Committee Team
Pre-Placement Preparation Webinar with CDC	Integrated MS	November 2020	November 2020	CDC and CDC Faculty Committee Team
Pre-Placement Preparation Webinar with CDC	BTech Chemical and Mechanical	November 2020	November 2020	CDC and CDC Faculty Committee Team
Resume Writing Workshop - Placements	MBA and Integrated MBA	December 2020	December 2020	Nirali Sheth
Pre-Placement Preparation Webinar with CDC	BTech Information and Communication Technology	December 2020	December 2020	CDC and CDC Faculty Committee Team
Group Discussion Training	MBA and Integrated MBA	January 2021	February 2021	Ace Your Campus
Personal Interview Training	MBA and Integrated MBA	January 2021	February 2021	Ace Your Campus
Resume Writing Workshop - Internships	BBA (Hons), BCom(Hons), Integrated MBA, MBA	February 2021	February 2021	CDC and Communication Lab
Mock Personal Interview Workshop	BTech ICT, Chemical, Mechanical	February 2021	February 2021	Ace Your Campus

PLACEMENTS

Some of the key recruiters were Adani Wilmar, Airtel, BYJU's, HDFC Limited, ICICI Prudential, Reliance Retail, TATA AIG and Torrent Pharmaceuticals.

Ria Padshah, of the Bachelor of Science (Honours) in Life Sciences programme, has secured admission at Cornell University in the Master of Public Health programme.

Career Development Centre undertakes activities to build student capabilities and job readiness. The Centre evaluates students through psychometric analysis, aptitude tests, personal counselling and supports them every step of the way in their preparation for a dream career.

The Centre conducted a training session on resume writing, mock interviews and group discussions for all students registered with the CDC. The key companies that offered projects, internships and career opportunities to students are listed below:

INDUSTRY ENGAGEMENT

PROJECTS, INTERNSHIPS AND CAREER OPPORTUNITIES OFFERED TO STUDENTS

137

COMPANIES

ACCUMAX LAB DEVICES	GALA INFRASTRUCTURE	PANAMAX
ADANI WILMAR	GITCO	PLUTOMEN
ADEPT RECRUITING	GOOGLE	PRAKASH CHEMICALS
ADITYA BIRLA FASHION AND RETAIL	GODREJ & BOYCE	PV RENEWABLES
ANDAPP	GATEWAY TECHNO LABS	RADIO MIRCHI
AIRTEL	HDFC	RAPIDOPS
ALLINCALL	HOME FIRST FINANCE COMPANY	RDSKYTECH
ALTUS FAMILY OFFICE	HDFC LIFE INSURANCE	RTCAMP
APEX HEART INSTITUTE	ICICI PRUDENTIAL	SOLCO BIOMEDICAL
ARVIND ADVANCED MATERIALS	INDUSIND BANK	SEARCHA HOLIK
ASCENT FINECHEM	INFOCUSP	SECURE METERS
ASIAN PAINTS	INFOSTRECH	S&P GLOBAL
ATHENA E-LEARN	INNOVATE SECURITIES	SCIKEY
ATMOS POWER	INTECH SYSTEMS	SHIPMNTS
AUGMENIFY	INVESTSHALA	SHRIRAM LIFE INSURANCE
AWAAZDE	ITC SEATIZEN	SIMFORM
BANK OF AMERICA	IQM	SIMULATIONS
BAJAJ FINANCE	ISHA SECURITIES	SOLUTELABS
BERGER PAINTS	KHIMJI RAMDAS	SPANDANA SPOORTHY
BOMBAY SOFTWARES	KIRRAK MEDIA	STREEBO
BIZIVERSE	KMK CONSULTING	SUMMACHAR AI MEDIA LABS
BNI AHMEDABAD	KOTAK LIFE	SYMPHONY
BOT TREE	LAND & BRICKS	TASK STAFFING SOLUTIONS
BRAIN TECLABS	SPECTRUM STAINLESS	TATA AIG
BYJU'S	LETSBIZ	TATHASTULIVE
CADILA PHARMACEUTICALS	LG ELECTRONICS	TATVIC ANALYTICS
CODENATION	MAHARSHI UDYOG	TCS
CU RISE ANALYTICS	MARUTI TECH LABS	THE CAPITAL BOX
CREST DATA	MAS FINANCIAL SERVICES	TORRECID INDIA
CYBERCOM	MEDITAB	TORRENT POWER
CYGNET	MEGHMANI	TORRENT PHARMACEUTICALS
DURAVIT	MLVEDA	TRACOM STOCK BROKERS
DUROGREEN WASTE MANAGEMENT	MRF	TIMS
DXFACTOR	NARAYANA HEALTH	TRITON COMMUNICATIONS
E-INFOCHIPS	NIVEA INDIA	QX
ECOSMOB TECHNOLOGIES	NOBEL HYGIENE	UPLERS
ELANCE SERVICES	NULL INNOVATIONS	UPMOVV
ERONKAN	NUMERATOR	VELOXCORE
EVOSYS	O2H TECHNOLOGY	VENUS ENGINEERING WORKS
EZDI	OASES TECHNOVATIONS LLP	VISION CAPITAL
FLAMINGO TRANSWORLD	OMNI LENS	WELSPUN
FOODBEAT CONSULTANCY	ORGANIC WELTPEAK VENTURES	WHITE LIGHT ELEMENTS
FORD	PEE GEE FABRICS	YOUNG TURTLE
GLOBAL NETWORK INDIA	PETPOOJA	YOUR EDU MENTOR
PRONESIS IT	PIPARA & CO LLP	ZEROKAATA





LIFE AT THE UNIVERSITY

The Office of the Dean of Students (ODS) offers services and support to students and also organises unified student activities across all Programmes and Schools of the University.

The ODS helps integrate new students into the University system through two programmes: a week-long Orientation programme and an initiative called Circle of Care. New students are clustered in several Friends Circles and each such circle is supported by a senior student who befriends them and a Faculty Advisor who guides them.

The other vertical at ODS works towards overall development of the youth. The University provides various platforms where the students can learn, practice and hone their skills, showcase their talent, compete and win in a healthy environment. Inter and intra university cultural, intellectual, social and sports events are organised throughout the year.



WELLNESS FOR ALL

Support During the Lockdown

The Wellness Centre at Ahmedabad University strives to make the University experience of students as easy, positive and happy as possible. The emphasis is on both physical and mental well-being. At Ahmedabad University, we believe in holistic education that comprises deep as well as broad academic and co-curricular exposure. Students find many avenues to build on their strengths, discover new talents, and grow into well-rounded, compassionate, and responsible citizens. The whole University experience filled with exciting opportunities that will equip students with invaluable insights to enable their success as a professional and as an individual.

The Wellness vertical at the ODS -known as Student Support, Engagement and Tutelage (SSETU) -offers University students access to free physical and mental health consultations. The Health Centre provides the services of a senior physician and a gynaecologist to all students and staff; offers free thalassemia screening for all students and holds voluntary blood donation camps to sensitise students towards social responsibility. Personal counselling is available for students and employees in an environment of complete privacy. In addition to this, online counselling is made available to the University community through a portal that provides round the clock services.

The Wellness Centre at Ahmedabad University offers the following:

Physical Wellness

- Health centre for free medical consultations
 - Student Medical Consultations: 497
 - Emergency Cases: 5

Compliance and Grievances

- Anti-ragging
- Prevention of sexual harassment
- Grievance redressal
- Women's Development Cell

The COVID-19 pandemic is an unprecedented situation. It was anticipated that the students and employees would experience stress and anxiety due to the prevailing uncertainty around it. As the pandemic and the resultant lockdowns unfolded, the fears and stress were addressed through the following measures:

- Circulating advisories about the medical facts and safety protocols to be followed
- Advisories regarding travel and movement (FAQs, Google forms etc.)
- Advisories regarding mental health, relationships, academic stress, lifestyle changes etc. for students
- Similar advisories for employees
- Virtual counselling sessions
- Counselling via emails or even WhatsApp
- Telemedical consultation
- Tracking reported COVID cases amongst students and employees and their families
- Communication of concern and support to such patients and families via a phone call or an email
- Medical updates shared with the COVID committee
- Information about COVID Care facilities, doctors and hospitals
- Webinars for students and staff
- Customised webinars by YourDOST
- Advising COVID Task Force

Mental Wellness

- Personal counselling
- Support groups
- Wellness Committee
- Distance counselling
- Support during the lockdown
- Family connect initiative
- Counselling Sessions: 156

Development and Sensitising students

- Webinars

ACTIVITIES

Psychological Wellbeing and Mental Health during COVID-19

Puroitree Majumdar
Clinical Psychologist
March 31, 2020

Understanding Gender Biases

Ms. Puroitree Majumdar
Clinical Psychologist
June 16, 2020

International Yoga Day

In collaboration with Fitness Club
Ayushi Patel
June 21, 2020

Subverting Gender Roles

Professor Saptam Patel
July 20, 2020

Preparing for the New Normal - Post Lockdown Era

Dr. Jini K Gopinath
Chief Psychology Officer
Ex-Mumbai Indians Performance Coach
July 24, 2020

Suicide Prevention: The Importance of Community

Sandhya Menon, Adv Rajesh R Pillai, Raashi Thakran and moderated by Dr Jini K Gopinath
September 9, 2020

Emotional Wellness: Irresponsible Behaviour

Kalpna Pareek
Wellness Counselor
September 9, 2020

Healthy Weight Management (Support Group)

Kalpna Pareek and Dr Gayatri Raval
September 16, 2020

Social Media and how to take care of Mental Health

Sandhya Menon, YourDost
September 25, 2020

Cyber Safety and Cyber Misconduct

Puroitree Majumdar
Clinical Psychologist
September 30, 2020

Breaking stigma: Importance of normalising Emotional Wellness

Dr. Jini K Gopinath
Chief Psychology Officer,
Ex- Performance Coach, Mumbai Indians
October 10, 2020

Learn About Interpersonal Abuse and its Prevention

Dr Ashvini NV, YourDost
October 23, 2020

Demystifying Stress and Anxiety The Nuances of Women's Mental Health

Jhilmil Breckenridge, YourDost
October 10, 2020

Let's Talk About Men's Mental Health

Arjun Gupta, YourDost
October 30, 2020

Panel discussion - Coping Strategies

Kalpna Pareek, Pratibha Motwani and Suyash Kumar
October 24, 2020

Music for Mental Health

Avanti Nagral, YourDost
November 20, 2020

Walk-in Call for Fitness Folks (Student Support Group)

Priya Sharma, Counsellor
December 29, 2020

Welcome to "A Better You"

YourDost
January 6, 2021

A look at Gender-Based Harassment and Bullying

Puroitree Majumdar
Clinical Psychologist
January 27, 2021

Webinar Series Part 1 - Prevention of Lifestyle Diseases

Dr Riddhi Shukla
Consultant Gynaecologist
February 3, 2021

Webinar Series Part 2 - Homoeopathy in Stress and Immunity Disorders

Dr Munjal Thakar and Dr Shruti Sheth, Homeopathic Consultants
February 10, 2021

Webinar Series Part 3 - Essential Eye Care

Dr Rina Rajyaguru
Ophthalmic Surgeon
February 17, 2021

Webinar Series Part 4 - Oral Health and Hygiene

Dr Mittal Patel
Consulting Periodontist
February 24, 2021

Managing Pre-exam Stress and Anxiety

Shivani Sutaria
Clinical Psychologist
March 31, 2021

Social Media: A Friend or a Foe

Puroitree Majumdar
Clinical Psychologist
April 15, 2021

Physiotherapy for Lungs

Dr Gayatri Raval and Remana Swamy
May 10, 2021

Impact of Covid-19 and Resultant Lockdown and Pandemic

Nairuti Trivedi
May 27, 2021

Family Connect Initiative

The University grants financial aid to students on merit-cum-means basis. Further to the fee waiver that addresses financial distress, the University leadership also believes in conveying to the families of the beneficiaries the University's abiding interest in the student's academic and personal growth. The objective of this initiative is to build a rapport by establishing contact, either on phone or through a personal visit to the home, with the families or parent(s) of students who receive financial aid. This enables the University to get direct feedback from students and families about the impact of financial aid provided and at the same time it instil in them the confidence that the University is supportive.

The Office of Admissions and Financial Aid prepared a list of 105 students, out of which, 50 were from Ahmedabad and 55 were from outside the state. Due to the pandemic this year, personal visits could not be made and all families were contacted over the telephone by the Assistant Manager and Student Events Coordinator at the ODS.

Work Study Programme

The University initiated a Work Study Programme to assist needy students to earn with dignity while working at any of the administrative or School offices at the University. The Vice Chancellor handed over the programme to ODS to coordinate. Since the announcement of the programme of December 1, 2020, three students have taken up official work at the following functions: Accounts, Learning Initiatives and Communications.

INTELLECTUAL AND CREATIVE ENGAGEMENT

Youth Festival

The Ahmedabad University Youth Festival was organised from January 22 to 26, 2021. It was open for students across programmes and schools. The three-day Youth Fest 2021, organised by the ODS Office of Dean of Students, had a wide range of activities that allowed the participants to display their interests outside the academic curriculum. From Rangoli to dance, music, case analysis, debate, and quiz, there was a mix of 20 different intellectual and cultural events to choose from.

Student Clubs

The University offers varied platforms to enrich student life on campus, the student clubs being one such channel. The clubs provide a vibrant environment for the students to get exposure to activities other than academics. The new students are introduced to what each club stands for during their orientation week. They are invited to register as members of the clubs of their choice. A total of 5,804 responses were received this year. Each student is eligible to register for participating in a maximum of four clubs. This year, two new clubs were launched.

This year, two new clubs were introduced: Design Club and Film Appreciation Club.

The Environment Club and The Entrepreneur's Club were awarded the Chairman's Recognition for outstanding performance at the Foundation Day Celebrations held on February 27, 2021.

The following is a list of year-round activities and workshops headed by students around the year:

Dance Club

Dancelogue	27 May-20 June 2020
ABCD	11 July 2020
ABCD- 2	18 July 2020
ABCD- 3	25 July 2020
Viraasat	16 September 2020
Exordium 2.0	7 October 2020
Muse Audition	14 October 2020
Power Garba 2.0	24 October 2020
Tip Tap Toe 3.0	11 November 2020
Grooves and Moves	9 January 2021
Hop 'til you Drop'	10 February 2021
Tutting Style	10 March 2021
Dance Workshop	31 March 2021

Design Club

Discovering the Design	10 March 2021
The Design Horoscope	31 March 2021

Fine Arts Club

Sketch Battle	27 May - 2 June 2020
Mandala Art Workshop	6 June 2020
Hand Lettering Workshop	21 June 2020
Origami Bookmark	18 July 2020
Mask Making	1 August 2020
Pictionary	9 August 2020
Pictionary	16 August 2020
Doodling Workshop	26 August 2020
Dream Catcher	10 October 2020
Creative Way of	21 October 2020
Showcasing Art	
Coffee Painting Workshop	24 October 2020
Cartoon Craze Workshop	7 November 2020
Gamezart	9 January 2021
Explosion Box	6 February 2021

Entrepreneurs' Club

The Art of Pitching	25 May 2020
Learning with Leaders - 1	4 June 2020
Learning with Leaders - 2	11 June 2020
Learning with Leaders - 3	20 June 2020
Learning with Leaders - 4	27 June 2020
Circular Economy vs Role of Entrepreneurs	5 July 2020
Designathon	29-31 July 2020
Learning with Leaders - 5	15 August 2020
Learning with Leaders - 6	22 August 2020
Hult Prize	14 October 2020
Interaction with Hult Seniors	21 October 2020
Start Something that Matters	24 October 2020
Hult Prize	4 November 2020
Corporate Buzz	13 January 2021
Dream Team - A Day as an Entrepreneur	10 February 2021
Startup Stories ep.1	12 February 2021
Incubation 101 ch-1	13 February 2021
Incubation 101 ch-2	27 February 2021
The Bakers Fest	3 March 2021
Startup stories ep.2	5 March 2021
Incubation 101 ch-3	6 March 2021
The Bakers Fest	6 March 2021
The Bakers Fest	9 March 2021
Product Development	10 March 2021
Incubation 101 ch-4	13 March 2021
Venture Shots	13 March 2021
New Product Development ch-2	17 March 2021
Incubation 101 ch-5	20 March 2021
Product Development ch-3	24 March 2021
Incubation 101 ch-6	27 March 2021
Virasat Udyami	27 March 2021
Planet over Profit - Round 1	3 April 2021
Incubation 101 ch-7	4 April 2021
Product Development ch-5	7 April 2021
Incubation 101 ch-8	10 April 2021
Planet over Profit - Round 2	10 April 2021
Incubation 101 ch-9	17 April 2021

Fitness Club

Fitness Housie	7 June 2020
Zumba Session	14 June 2020
Yoga Session	21 June 2020
Kickboxing Workshop	5 July 2020
Cardio	19 July 2020
Cardio	2 September 2020
The Fit Kitchen	9 September 2020
Self Defence	16 September 2020
Zumba	30 September 2020
Know your Club	2 October 2020
Breaking Stigma	10 October 2020
Facing reality	17 October 2020
Exploring Mindsets	21 October 2020
Power Garba 2.0	24 October 2020
Sharing Experiences: A panel discussion on mental health	24 October 2020
Mental Health Campaign	31 October 2020
Mental Health	7 November 2020
Unfiltered: The Open Mic	11 November 2020
Power Yoga	9 January 2021
Holy Fit: The Fit Blend	16 January 2021
Virtual Run	7 February 2021
Match the Stretch	
Incredible Edible	
Duology	13 February 2021
Hungry for Change	6 March 2021
Vegan Fit	20 March 2021
Survival of the Fittest	3-11 April 2021
Survival of the Fittest	7 April 2021
Survival of the Fittest	10 April 2021
Wednesday Vlogs	

Heritage Club

Ghar:Ekk Museum	14 June 2020
Ghar:Ekk Museum	21 June 2020
Ghar:Ekk Museum	28 June 2020
Janmashtami Making: Panjiri and Buffvada	11 August 2020
Brahmi Script	5 September 2020
Kachori Making	24 October 2020
Dussehra Festive Live:	25 October 2020
Jalebi Making	
Virasat Udyami	27 March 2021

Food Club

Baking	11 June 2020
Summer Coolers	16 June 2020
Street Food	18 June 2020
Food Quiz Series	26 June-4 July 2020
Healthy Meals	2 July 2020
Chocolate Making	7 July 2020
Fun Food Fact	17 July 2020
Festive Live	30 July 2020
Careers in Food and Nutrition Industry	8 August 2020
Janmashtami Making: Panjiri and Buffvada	11 August 2020
Ganpatiji Chocolate Sculpting	21 August 2020
Career in Food Industry	29 August 2020
The Fit Kitchen	9 September 2020
Nutri Quiz	30 September 2020
Foodography	4 October 2020
Careers in Food - Theme 3	10 October 2020
Kachori Making	24 October 2020
Dussehra Festive Live: Jalebi Making	25 October 2020
Foodictionary	14 January - 8 February 2021
Snack it or smash it	7 February 2021
The Bakers Fest	3 March 2021
The Bakers Fest	6 March 2021
The Bakers Fest	9 March 2021
Careers in Food Industry Theme 4	17 March 2021
Kahaniyaan Khane ki	27 March 2021
Love Food, Why Waste	31 March 2021
7 days of summer	16-28 April 2021

Film Appreciation Club

Parasite - Movie analysis	31 October 2020
Cineast	4 November 2020
Long Story Short	16 January 2021
Movie Review - Pursuit of The Happiness	7 February 2021
All About Films	13 February 2021
Hungry for Change	6 March 2021
Let's Talk Genres	17 March 2021
Directors' Cut	4 April 2021

Literary Club

Tell a Tale	3-5 June 2020
Essay Writing	6 June 2020
Kalam- A Script Writing	18-27 July 2020
Khat: A Letter Writing Series	19 August 2020
Econflicts Confronts	12 September 2020
Viraasat	16 September 2020
Chasms: Let's Talk	7 October 2020
Forlsket 2.1	14 October 2020
Aisa Quiz hai Mela	17 October 2020
Open Mic	31 October 2020
Corporate Buzz	13 January 2021
Socratic Dialogue 2.0	13 February 2021
Literary Chasms 2.0	17 February 2021
Sports Debate Competition	11-14 April 2021

Music Club

Mood and Melodies	24 July 2020
BeatBoxing Workshop	31 July 2020
R.A.P	2 September 2020
Viraasat	16 September 2020
Hunt'akshari	7 October 2020
Virtual Ramzat	25 October 2020
English Vinglish	10 February 2021
Naari Shakti	19 March 2021
Jamming Every Friday	26 March 2021

Photography Club

Bayaan - Caption Writing	17 May 2020
Workshop on Astrophotography	27 May 2020
Tell a Tale	3-5 June 2020
Lockdown ki Yaadein	12 June 2020
Lightroom Mobile Workshop	21 June 2020
Tips for Better Click	1 July 2020
Tips for Better Pics	2 July 2020
Mastering Videography -I	8 July 2020
Online Competition	25 July 2020
Tasveer- The Photography Fest	12 August 2020
Tasveer- The Photography Fest	19 August 2020
Tasveer- The Photography Fest	26 August 2020
Tasveer- The Photography Fest	2 September 2020
Tasveer- The Photography Fest	9 September 2020
Foodography	4 October 2020

Creative and Indoor Photography	13 October 2020
Creative Way of Showcasing Art	21 October 2020
Sharad Poonam	30 October 2020
Cineast	4 November 2020
Mobile Photography Workshop	8 November 2020
Click-O-Kite	14-15 January 2021
Frame Flex	7-8 February 2021
How to shoot better pictures	10 February 2021
Lightroom editing	17 March 2021
Colours of Holi	31 March 2021

Programming Club

Session with Preet Sardhara	30 May 2020
Website Making Challenge	10-28 June 2020
Machine Learning 101	5 July 2020
Talk with Pratik Padalia	17 July 2020
Career in Machine Learning	25 July 2020
Codeathon	5-7 August 2020
Computer Vision: ML India	12 August 2020
Cracking Interview in Right Way	22 August 2020
CP-101	26 August 2020
Nu-Sci-NU	2 September 2020
#Harweekcp	3-10 October 2020
Hacktoberfest	7 October 2020
Demystifying Blockchain	31 January 2021
Hands on Machine learning	6 February 2021
BFS and DFS	14 February 2021
International Women's Day	7 March 2021
Burnout Volume 5.0	14 March 2021
Codefi	3 April 2021
Compete Code	4 April 2021

Students' Magazine Club

Khat: A Letter Writing Series	19 August 2020
Speed Talk	16 September 2020
Speed Talk 2.0	21 October 2020
Unfiltered: The Open Mic	11 November 2020
Nov-Dec Edition	15 December 2020
Jan-Feb edition	19 March 2021
Dark Humour	7 April 2021

Quiz Club

Entertainment Quiz	7 June 2020
Biz Hunt	13 June 2020
Business Quiz	14 June 2020
Sports Quiz	21 June 2020
General Quiz	28 June 2020
Come out and Quiz	12 July 2020
Indo-China Quiz	26 July 2020
Pictionary	9 August 2020
India Quiz	15 August 2020
Pictionary	16 August 2020
Indian Biodiversity Quiz	29 August 2020
IPL Quiz	16 September 2020
Design and Marketing Quiz	7 October 2020
Aisa Quiz hai Mela	17 October 2020
Start Something that Matters	24 October 2020
Cineast	4 November 2020
Year in Review-2020	9 January 2021
Freshers' Quiz	16 January 2021
Binge & Cringe Quiz	6 February 2021
Anime Quiz	13 February 2021
Marvel v/s DC	10 March 2021
Meme Quiz	24 March 2021
Gaming Quiz	10 April 2021

Social Service Forum

Mask Making	1 August 2020
PERIOD	4 October 2020
Rape Culture	7 November 2020
Love Food, Why Waste	31 March 2021

Sports Club

Challengotone	9 June 2020
Juggling Challenge	16 June 2020
Online Chess Tournament	4 July 2020
Online Cricket Auction - Quiz	18 July 2020
Online Cricket Auction - Auction	22-23 July 2020
Sports Quiz	16 August 2020
Sports Quiz	22 August 2020
Sports Quiz	23 August 2020
Sports Quiz	26 August 2020
Sports Quiz	29 August 2020
The take on: A review show	5-6 September 2020
EPL Fantasy	12th September 2020
League of Cric Brains	29 September - 6 October 2020
Taekwondo Workshop 101	28 October 2020

The Sports Haunt 2

Trekking Week - Instagram Live on the Importance of Trekking	4 November 2020
Chess Workshop	13 December 2020
Chess Tournament	9 January 2021
Sports Brand Mania 2	10 January 2021
Sportify- ep.1	30 January 2021
Sportify- ep.2	10 February 2021
Sportify ep.3	13 February 2021
Sportify- ep.4	14 February 2021
Sportify- ep.5	3 March 2021
Sportify- ep.6	7 March 2021
Venture Shots	10 March 2021
Survival of the Fittest	13 March 2021
Survival of the Fittest	3-11 April 2021
Survival of the Fittest	7 April 2021
Sports Debate Competition	10 April 2021
	11-14 April 2021

The Management Club

BSE Workshop	30-31sMay 2020
Biz Hunt	13 June 2020
CryptoX	11-21 July 2020
Wizcraft Webinar	8tAugust 2020
Corporate Triathlon	26 August 2020
Teacher's Day Celebration	5 September 2020
Meme Bazaar	7 October 2020
Scam Demystified	7 November 2020
Bid to Sustainability	6 January 2021
Mancharades 3.0	16 January 2021
Spectrum	30-31 January 2021
Union Budget Analysis	1 February 2021
Frame Flex	7-8 February 2021
Project One World	13 March 2021

Theatre Club

Script to Stage	25 May-5 June 2020
Kalam- A Script Writing	18-27 July 2020
Just Dub It	23 August 2020
Asli Stand-up	5 September 2020
The Quest to the Screen	12 September 2020
Viraasat	16 September 2020
Act-O-Clean	2 October 2020
Spotlight 3.0	3 October 2020
Jingle it Your Way	17 October 2020
Exploring Mindsets	21 October 2020
Abhinay: The Acting Series	24 October 2020
Abhinay: The Acting Series	28 October 2020
Abhinay: The Acting Series	31 October 2020
Abhinay: The Acting Series	1 November 2020
Monologue	9-13 November 2020
Enact to Impact	14 December 2020
Enact to Impact	16 December 2020
Enact to Impact	18 December 2020
Enact to Impact	27 December 2020
Mancharades 3.0	16 January 2021
Imitate the Icon	10 February 2021
Theatre Festival	6 March 2021
Natak Decode	27 March 2021
Natak Decode	29 March 2021
Natak Decode	31 March 2021

ACTIVITIES BY WOMEN'S DEVELOPMENT CELL

Cybersecurity Awareness Seminar

Manan Thakker and Tana Trivedi
August 1, 2020

Let's Talk Feminism

Mary Ann Chacko and Chirag Trivedi
September 2, 2020

What has led to the Culture of Rape in India?

Megha Jani and Aparajita Basu
January 24, 2021

Be the Changemaker for your University (YouthFest 2021)

Kalpana Pareek
January 24, 2021

#I am remarkable

Hailey Desai
February 17, 2021

Conversing Change: Gendered Division of Labour

Sarthak Bagchi
April 3, 2021



THE NALANDA

Ahmedabad University believes that engaging with diverse learning environments, disciplinary stimuli, and points of view makes an individual more perceptive and enquiring. New ideas have the potential to make us think differently. The Nalanda is a student-centred programme that provides students and the larger university community an opportunity to engage in a small group with the deep thinkers of our times.



ASHOK VAJPEYI

The Presence and the Absence of Dissent

Ashok Vajpeyi, celebrated Hindi poet, essayist, literary critic, and the chairman of the Lalit Kala Academy from 2008-2011, was in conversation with Professor Apaar Kumar, Professor of Philosophy at the School of Arts and Sciences, Ahmedabad University. The talk was a discussion on the multiple forms dissent can take. Mr Vajpeyi explained that a dialogic condition is created by the dissent, a process that is inevitable in a world with such individual plurality. Dissent is also valuable because it can question hegemony and is one of the strongest mediums for doing so. Mr Vajpeyi touched on themes of the environment shaping voices. With special reference to Delhi, He remarked that the increased rate of crime has been exacerbated by the COVID-19 pandemic and the lockdown. "Dissent has a moral content, it is not merely an intellectual phenomenon, but also a moral stand," he stated. For Mr Vajpeyi, it was clear that dissent meant recognition of the fact that "if I have the right to dissent, so do you".

October 28, 2020





DAYANITA SINGH

Photographer-Artist, Artist-Woman, Woman-Photographer

Dayanita Singh, a well-established photographer and a contemporary visual artist was in conversation with Professor Aparijita Basu, Assistant Professor of Humanities and Languages, School of Arts and Sciences, Ahmedabad University. Beginning with a discussion on the use of the words "Artist and Photographer", Ms Singh explained that it took her many years to understand that the two are different. A photographer is not necessarily an artist. For Ms Singh, photography is a raw skill; photographs would make for limited exhibits by themselves. Adding narrative value to it makes a photographer an artist. To be an artist is to take raw materials and give it a form. Stressing on the idea of a photographer being a 'visual historian', she said: "Photography is not the truth. It is only the truth that the photographer wanted to capture at the time." Ms Singh emphasised the need for image studies at university levels, "because now we need to understand how deceptive images can be... photography has a great capacity for lying". She was of the view that there is a need to be more literate and educated in the visual medium.

November 6, 2020



DR T.C.A. RAGHAVAN

Past and Future of India-Pakistan Relations

Dr T.C.A. Raghavan, historian, former High Commissioner to Pakistan and currently Director General at the Indian Council of World Affairs, was in conversation with Professor Sarthak Bagchi, Assistant Professor of Humanities and Languages, School of Arts and Sciences, Ahmedabad University. Dr Raghavan explained the imbalance caused when Pakistan was born as a secessionist state, breaking away from India in 1947. Pakistan had to change itself from the idea of a province to that of a nation, which, along with a lack of fundamental institutions, such as the National Assembly and the Supreme Court, posed a great administrative challenge. He stressed that this imbalance - excessive militarisation and less-developed administrative infrastructure - affected many of the crucial developing policies in the 1950s that shaped Pakistan. The conversation moved towards the issue of minorities, the difference in demographics that divided the concerns of East and West Pakistan, and how rights could be managed by two very different people who, officially, lived in the same country. Dr Raghavan asserted that to better understand India-Pakistan relations, we as Indians must place ourselves in the shoes of our smaller neighbours, saying that India's cultural hegemony in Pakistan is little understood and underappreciated.

January 6, 2021



SARA HENDREN

What can a body do: How we meet the built world?

Professor Sara Hendren, artist, design researcher, writer, and professor at Olin College of Engineering, was in conversation with Ahmedabad University's Juhi Bansal, Associate Director at Learning Initiatives, and Professor Mary Ann Chacko, Assistant Professor at the School of Arts and Sciences. She discussed the idea of disability in conjunction with the built world around us. Professor Hendren illuminated how ideas of tech-oriented assistance in disability can come with the idea of removing assistance altogether from life. As she emphasised, our view of tech interventions ought not to be limited merely to making transhuman body modifications – such as high-end prosthetics or enhanced cochlear implants – but also to redesign the world around us in small and simple ways to make it more hospitable to everyone. Professor Hendren spoke on her idea of “body-plus” – a term she coined to refer to all the assistive tech we use regularly as part of the extension of our bodies; not just devices such as smartphones, but also pencils, spoons, eyeglasses or even clothes. After all, having disabilities proceeds from having a body, not, as she puts it, as an alien condition extrinsic to embodying a physical self.

February 3, 2021



VIKAS SWARUP

A Diplomat's world view

Vikas Swarup, a diplomat, novelist, former High Commissioner of India to Canada and currently Secretary (West) in the Ministry of External Affairs, was in conversation with Professor Pankaj Chandra, Vice Chancellor, Ahmedabad University. The conversation revolved around a diplomat's worldview. Mr Swarup described his awe-inspiring journey serving the country as an Indian civil servant. He discovered his passion for writing along this prestigious path, which led to the novel *Q & A*, which was later adapted into the *Oscar-winning* film *Slumdog Millionaire*. He elucidated the unique perspectives and experiences of being a diplomat and a novelist. The discussion gave insight into the vast world of diplomacy.

March 17, 2021

FINANCIAL STATEMENTS

BALANCE SHEET AS AT MARCH 31, 2021

Rs. in Crores

PARTICULARS	SCHEDULE	AS AT MARCH 31, 2021	AS AT MARCH 31, 2020
FUNDS AND LIABILITIES			
(A) Funds			
• Corpus Fund	1	186.24	186.24
• Earmarked/Endowment Funds	2	414.46	367.01
• Depreciation Fund	3	95.19	77.57
		695.89	630.82
(B) Loans			
• Secured	4	-	0.97
• Unsecured		11.85	50.57
		11.85	51.54
(C) Project Grants	5	5.29	6.07
TOTAL		713.03	688.43
ASSETS			
(A) Property Plant & Equipment	6	305.79	265.68
(B) Intangible Asset	6a	4.51	4.51
(C) Investments	7	255.32	277.16
(D) Current Assets, Loans & Advances			
• Inventory	8	0.12	0.11
• Receivables	9	9.82	10.30
• Loans and Advances	10	3.80	4.42
• Cash & Bank Balances	11	3.81	3.80
		17.55	18.63
Less: Current Liabilities & Provisions	12	21.99	11.45
Net Current Assets		(4.44)	7.18
(E) Income and Expenditure Account	13	151.85	133.90
TOTAL		713.03	688.43
Significant Accounting Policies	25		
Notes forming part of Accounts	26		

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: 26 June 2021

Sanjay S. Lalbhai
President

BM Shah
Registrar

INCOME AND EXPENDITURE

FOR THE YEAR ENDED MARCH 31, 2021

Rs. in Crores

PARTICULARS	SCHEDULE	AS AT MARCH 31, 2021	AS AT MARCH 31, 2020
INCOME			
Fees (Net)	14	56.48	43.92
Interest Income (Net)	15	0.95	1.55
Other Income	16	2.59	3.04
TOTAL		60.02	48.51
Employee Emoluments	17	50.87	45.23
Educational Expenses	18	9.56	8.31
Workshops / Events & Meeting Expenses	19	0.22	0.97
Repairs and Maintenance Expenses	20	7.24	7.72
Travelling & Conveyance	21	20.00	0.45
Finance Cost	22	0.01	0.15
Other Administrative Expenses	23	5.38	6.35
TOTAL		73.34	69.18
Operating Surplus / (Deficit) before Depreciation/ Amortisation/Transfer from Earmarked Funds & Exceptional Items		(13.32)	(20.67)
Exceptional Items		-	-
Operating Surplus / (Deficit) before Depreciation / Amortisation / Transfer from Earmarked Funds	24	(13.32)	(20.67)
Less: Depreciation / Amortisation (Net)		(8.96)	(9.22)
Add : Transferred from Earmarked Funds		4.04	2.29
Surplus/Deficit for the year		(18.24)	(27.60)
Significant Accounting Policies	25		
Notes forming part of Accounts	26		

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: 26 June 2021

Sanjay S. Lalbhai
 President

BM Shah
 Registrar

BALANCE SHEET

SCHEDULE ATTACHED TO AND FORMING PART OF ACCOUNTS

Rs. in Crores

PARTICULARS	SCHEDULE	AS AT MARCH 31, 2021	AS AT MARCH 31, 2020
CORPUS FUND			
Balance as per last financial statements	1	186.24	186.24
Addition: Donation received/Transfer during the year		-	-
TOTAL		186.24	186.24
Earmarked / Endowment Funds			
Balance as per last financial statements	2	367.01	312.86
Addition : Funds & other income received during the year (Note 4 of Schedule 26)		72.44	134.74
Deduction : Funds Utilised / Transferred (Note 4 of Schedule 26)		-	-
		24.99	80.59
TOTAL		414.46	367.01
Depreciation Fund			
Balance as per last financial statements	3	77.57	67.47
Add: Provided during the year		17.93	10.21
		95.50	77.68
Less: Depreciation on Assets sold during the year		0.31	0.11
Net Balance		95.19	77.57
Loans			
Secured Loans			
Overdraft(Secured against Bank FD)	4	-	0.97
Unsecured Loans			
From Ahmedabad Education Society (Interest free)		11.85	50.57
TOTAL		11.85	51.54
Project Grant			
External Project Grant - Faculties	5	1.61	1.79
GICT-Environmental Risk Assessment of Chemicals and Nano Material		0.24	0.25
GICT- NanoTechnology (CENTRA)		0.27	0.47
BIRAC-Bionest		2.65	2.96
Seed Grants		0.04	0.07
FCRA Project Grants		0.48	0.53
TOTAL		5.29	6.07
Property Plant & Equipment			
Balance as per last financial statements	6	230.93	145.55
Add: Addition out of Owned Funds		0.71	6.76
Add: Addition out of Project Grant/Earmarked fund of GICT		12.45	78.85
		244.09	231.16
Less: Transferred to Inventory of books		-	0.11
Less: Assets sold during the year		0.34	0.12
		243.74	230.93
Add: Urban Forest (Arboretum)		0.74	0.04
Add:-Capital Work in Progress		59.15	8.16
Add:-Capital Advances		2.16	26.55
Net Balance		305.79	265.68
Intangible Asset			
Balance as per last financial statements	6a	4.51	4.28
Add: Addition out of Owned Funds		-	0.23
Net Balance		4.51	4.51

BALANCE SHEET

SCHEDULE ATTACHED TO AND FORMING PART OF ACCOUNTS

Rs. in Crores

PARTICULARS	SCHEDULE	AS AT MARCH 31, 2021	AS AT MARCH 31, 2020
Long Term Investments			
Term Deposit with LIC Housing Finance Limited		5.00	5.00
Investment in Bonds	7	245.11	257.86
Term Deposit with Banks		5.21	14.30
TOTAL		255.32	277.16
Inventory			
Books and Merchandise	8	0.12	0.11
Receivables			
Interest Accrued on Investments		7.86	9.57
Income Receivable		0.14	0.01
Fees Receivable	9		
Unsecured, Considered Good Unless otherwise Stated		1.82	0.72
Considered Doubtful		0.08	-
Less: Provision for Doubtful Receivable		0.08	-
Net Fees Receivable		1.82	0.72
Total		9.82	10.30
Loan & Advances			
Unsecured, Considered Good Unless otherwise Stated			
Advances Recoverable in Cash or Kind or for Value to be received	10		
• Considered Good (Unless otherwise Stated)		1.00	1.85
• Considered Doubtful		1.33	-
Less: Provision for Doubtful Receivable		1.33	-
Net Advances Recoverable in Cash or Kind or for Value to be received		1.00	1.85
Deposits		0.70	0.97
TDS Receivable		0.25	0.25
Interest Free Loan to Students		0.14	0.14
Prepaid Expenses		1.71	1.21
TOTAL		3.80	4.42
Cash & Bank Balances			
Cash on Hand	11	-	0.03
Bank Balance			
• In Savings Bank Account		3.81	3.77
TOTAL		3.81	3.80
Current Liabilities & Provisions			
Current Liabilities			
Sundry Creditors		5.65	2.59
Statutory Dues		1.27	1.16
Deposits from Students		2.46	1.99
Retention Money	12	0.62	0.33
Other Liabilities		0.56	0.20
Outstanding Liability for Expenses		5.31	0.94
Provisions			
Gratuity		2.94	1.69
Leave Encashment		3.18	2.55
Total		21.99	11.45
Income & Expenditure Account			
Balance as per last financial statements	13	133.89	106.30
Prior Period Adjustments		(0.27)	-
Add:- Deficit/(Surplus) for the year		18.23	27.60
Total		151.85	133.90

INCOME AND EXPENDITURE

SCHEDULE ATTACHED TO AND FORMING PART OF ACCOUNTS

Rs. in Crores

PARTICULARS	SCHEDULE	AS AT MARCH 31, 2021	AS AT MARCH 31, 2020
Fees (Net)			
Tuition Fees	14	56.94	44.85
Less : Transferred to University Development Reserve		0.45	0.93
TOTAL		56.48	43.92
Interest Income			
"(Net of allocation of Rs.24.33 Crores ; Previous year Rs.25.43 Crores)"	15		
On Fixed Deposit		0.83	1.41
On Savings Bank A/c		0.11	0.14
Other Interest Income		0.01	-
TOTAL		0.95	1.55
Other Income			
Consultancy Income		0.03	0.22
Overhead Recovery		0.35	0.34
Placement & Other Fees		1.12	1.29
Form Fee		0.32	0.31
Service Charges		0.01	0.01
Admission Cancellation Charges	16	0.33	0.28
Amortization Premium /Discount received on Bonds		0.25	0.31
Profit on Sale of Bonds		0.15	0.18
Sale of Books		-	0.02
Other Miscellaneous Income		0.03	0.08
TOTAL		2.59	3.04
Transfer From Earmarked Funds			
From University Development Fund (to the extent of Financial Aid)		4.04	2.29
TOTAL		4.04	2.29
Employee Emoluments			
Salary, Allowances and Bonus	17	43.63	38.19
Contribution to Retirement Funds		3.95	3.38
Staff Welfare		0.36	0.80
Honorarium		2.93	2.86
TOTAL		50.87	45.23
Educational Expenses			
Sage Journal Cost (CHM)		0.03	0.03
Students Educational Activities		3.49	2.69
Financial Aid to Students		4.56	2.48
Faculty Development		0.81	1.12
Fellowship to students	18	0.35	0.14
Accommodation charges (Hostel Rent)		-	0.21
Venture Expenses		-	0.57
Sports & Games		0.01	0.07
Consumables		0.04	0.29
Other Educational Expenses including GEMBA		0.27	0.71
TOTAL		9.56	8.31
Workshops / Events & Meeting Expenses			
Workshops, Events & Seminars (Net)	19	0.21	0.85
Meeting & Conferences		0.01	0.12
TOTAL		0.22	0.97

INCOME AND EXPENDITURE

SCHEDULE ATTACHED TO AND FORMING PART OF ACCOUNTS

Rs. in Crores

PARTICULARS	SCHEDULE	AS AT MARCH 31, 2021	AS AT MARCH 31, 2020
Repairs and Maintenance Expenses			
Building Repairs & Maintenance		2.72	3.58
Campus Development		0.15	0.11
Repairs to Furniture/ Equipment/Computer & Others		1.65	1.63
Software Maintenance charges	20	0.57	0.17
Security Expenses		1.54	1.74
Rates & taxes		0.39	0.38
Website Charges		0.22	0.11
TOTAL		7.24	7.72
Travelling & Conveyance			
Domestic	21	0.06	0.45
Foreign		-	-
Total		0.06	0.45
Finance Cost			
Bank Charges		-	-
Amortisation of Premium on Bonds	22	-	-
Interest on Bank Overdraft		0.01	0.15
Total		0.01	0.15
Other Administrative Expenses			
Utilities		1.26	2.03
Communication		0.26	0.65
Public Relation Activity		0.60	1.30
Insurance		0.19	0.15
Recruitment		0.23	0.60
Stationery & Printing	23	0.19	0.45
Legal & Professional Fees		0.33	0.18
Audit Fees		0.03	0.02
Sundry Balances written off		0.38	0.04
Other Misc. Expenses		0.47	0.93
Provision for doubtful Receivables		1.41	-
Loss on sale of Property Plant & Equipment (Net)		0.03	-
Total		5.38	6.35
Depreciation & Amortisation			
Depreciation for the year	24	17.93	10.21
Less : Transferred from Earmarked Funds		8.97	0.99
Total		8.96	9.22

NOTES

SCHEDULE 25 - SIGNIFICANT ACCOUNTING POLICIES

1. ACCOUNTING CONVENTION

The financial statements are prepared in accordance with the Indian Generally Accepted Accounting Principles (GAAP) 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 recognised 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. 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 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 amortised over 5 years;
- c) Other Software and Assets given to employees amortised over 3 years; and
- d) Scientific Equipment at 20%.

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.

NOTES

SCHEDULE 25 - NOTES FORMING PART OF ACCOUNTS

5. REVENUE RECOGNITION

Fees from Students are recognised on accrual basis and accounted for on the basis of the period of academic year.

Interest on Investments is recognised on accrual basis.

Donations/contributions are recognised on its ultimate collection.

6. 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.

7. INVESTMENTS

Long Term Investments are carried at cost.

8. 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.

9. GOVERNMENT GRANT

Government grant related to revenue is recognised in the Income & Expenditure Account in the year of accrual/receipt.

10. PROVISIONS, CONTINGENT LIABILITIES AND CONTINGENT ASSETS

Provisions involving a substantial degree of estimation in measurement are recognised 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 recognised but are disclosed in the accounts by way of a note. Contingent assets are neither recognised nor disclosed in the financial statements.

NOTES

SCHEDULE 26 - NOTES FORMING PART OF ACCOUNTS

Rs. in Crores

PARTICULARS	AS AT MARCH 31, 2021	AS AT MARCH 31, 2020
1. TAX DEDUCTED AT SOURCE		
Interest Income	0.03	0.03
Other Income	-	0.02
TOTAL	0.03	0.05
2A. CONTINGENT LIABILITY		
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	-
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		
2B. CAPITAL COMMITMENT		
Capital Contracts remaining to be executed and not provided for (Net of Advance)	55.44	88.92
3. EXPENDITURE IN FOREIGN CURRENCY		
Foreign Travel & Workshop Expenses	0.01	-
Argosy Faculty Collaborative Exchange Programme workshop	0.06	0.09
Payment to visiting faculties	0.87	0.25
Payment towards fees for technical service	0.02	0.01
Payment for Study material access	0.67	0.01
Payment made against Grant expenses	0.32	0.27
Recruitment Exp.	0.06	0.04
Payment made for Purchase of scientific equipments	0.11	0.33
Advertising & Branding	-	0.01
TOTAL	2.12	1.01
4. DETAILS OF MOVEMENT IN EARMARKED FUNDS		
Addition during the year:		
Fund created out of Fees	0.45	0.93
Interest Income	24.23	25.44
Other Income	-	0.01
Donation Received	35.31	29.51
Fund created for Capital Expenditure	12.45	78.85
TOTAL	72.44	134.74
DEDUCTION MADE DURING THE YEAR:		
Recurring expenditure incurred	0.21	0.14
Transferred to Income & Expenditure A/c to the extent of Depreciation	8.97	0.99
Transferred to Income & Expenditure Account to the extent of Financial Aid	4.04	2.29
Capital Expenditure incurred	11.76	77.17
Fund Balance transferred to Income & Expenditure A/c	-	-
TOTAL	24.98	80.59

NOTES

SCHEDULE 26 - NOTES FORMING PART OF ACCOUNTS

PARTICULARS
5. CURRENT ASSETS, LOANS & ADVANCES In the opinion of the Management, current assets, loans and advances have a value on realisation in the ordinary course of business, equal at least to the aggregate amount shown in the Balance Sheet.
6. Taxation The University has been accorded approval for exemption u/s. 10(23C) (vi) of the Income Tax Act, 1961. The University is also 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.
7. Corresponding figures for the previous year have been regrouped / rearranged, wherever necessary to make them comparable with those of current year.

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: 26 June, 2021

Sanjay S. Lalbhai
 President

BM Shah
 Registrar

BOARD OF GOVERNORS



SANJAY LALBHAI
Chancellor
Chairman and MD, Arvind Ltd.



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Vice Chancellor



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Academic and Management
Consultant
Former Chairman
Board of Management,
Ahmedabad University



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Executive Director
Arvind Limited



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SAURABH SOPARKAR
Senior Advocate,
Gujarat High Court



DEVANATH TIRUPATI
Senior Dean, Academic and
Dean, Amrut Mody School of
Management



BHUPENDRA SHAH
Registrar
and Member Secretary

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DEVANATH TIRUPATI
Senior Dean Academic and
Dean, Amrut Mody School of
Management



BALAJI SRINIVASAN
Senior Advisor
to the Vice Chancellor



BHUPENDRA SHAH
Registrar
and Member Secretary



ACADEMIC COUNCIL

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Associate Dean, Arts
School of Arts and Sciences
Member

PARAG PATEL

Associate Dean, Undergraduate
Programmes
Amrut Mody School of Management
Member

BALAJI PRAKASH

Associate Dean, Sciences
School of Arts and Sciences
Member

RAGHAVAN RANGARAJAN

Dean of the Undergraduate College
Member

PRIYADARSHI SHUKLA

Distinguished Professor
Global Centre for Environment and
Sustainability
Member

VIVEK TANAVDE

Associate Professor
Biological and Life Sciences
School of Arts and Sciences
Member

DEVANATH TIRUPATI

Senior Dean Academic
Dean
Amrut Mody School of Management
Member

BHUPENDRA SHAH

Registrar
Member

SCHOOL AND CENTRE ADVISORY COMMITTEES

AMRUT MODY SCHOOL OF MANAGEMENT

PANKAJ CHANDRA

Vice Chancellor
Ahmedabad University

ANANG LALBHAI

Managing Director
Pelican Group

KAUSHAL MEHTA

Vice President and General
Management, Ttec, India
Founder, Motif Inc

PRAKASH MODY

Chairman and Managing Director
Unichem Laboratories Limited

NS PARTHASARTHY

Managing Partner
Mela Ventures
Co-Founder, Mindtree

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Amrut Mody School of Management
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S RAGHUNATH

Professor of Strategy and Chair
Centre for Corporate Governance and
Citizenship
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MIHKEL TOMBAK

Hatch Professor of Technology
Management and Strategy and Chair
Department of Management
University of Toronto

PANKAJ VAISH

Former MD, Accenture India
Professor of Practice of Management
Amrut Mody School of Management
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SCHOOL OF ARTS AND SCIENCES

MAYA JASANOFF

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Coolidge Professor of History
Harvard University
Visiting Professor
Ahmedabad University
Chairperson

JOGIN DESAI

Founder and CEO, Eyesystem
Co-Founder, Centre for Eye Genetics
and Research
Member

JYOTSANA DHAWAN

Emeritus Scientist
Centre for Cellular and Molecular
Biology
Member

RANJIT HOSKOTE

Poet, Art Critic, Cultural Theorist and
Independent Curator
Member

NIRAJA GOPAL JAYAL

Centennial Professor
Department of Gender Studies
London School of Economics
Professor (Retired)
Centre for the Study of Law and
Governance
Jawaharlal Nehru University
Member

DEVESH KAPUR

Starr Foundation Professor of South
Asian Studies
Paul Nitze School of Advanced
International Studies
Johns Hopkins University
Member

VELLAT KRISHNA KUMAR

Visiting Professor
Kerala School of Mathematics
Member

ABHIJIT SEN

Emeritus Professor and Insa Senior
Scientist
Institute for Plasma Research
Member

TANSEN SEN

Director
Centre for Global Asia
Professor of History, Global Network
Professor, New York University,
Shanghai
Member

SCHOOL OF ENGINEERING AND APPLIED SCIENCE

KIRAN KARNIK

Former President
Nasscom
Chairperson

NARESH BHATNAGAR

Department of Mechanical Engineering
Indian Institute Of Technology Delhi
Member

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Vice Chancellor
Ahmedabad University
Member

SANJAY CHAUDHARY

Dean of Students
Associate Dean
School of Engineering and Applied
Science
Ahmedabad University
Member

ASHANK DESAI

Chairman and Managing Director
Mastek
Member

MANISH GUPTA

Director
Google Research India
Member

PANKAJ JALOTE

Founding Director and Professor of
Computer Science
IIIT Delhi
Member

SUNIL KALE

Dean
School Of Engineering and Applied
Science
Ahmedabad University
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Distinguished Professor and Dean
Graduate School and Research
Ahmedabad University
Member

SUMIT ROY

Integrated Systems Professor
University of Washington
Member

DHEERAJ SANGHI

Director
Punjab Engineering College
Member

DAKSHA SHAH

Managing Director
Pahal Financial Services Private
Limited
Member

R R SONDE

Executive, Vp
Thermax Global, Pune
Member

LYNN STEIN

Professor Of Computer and Cognitive
Science
Olin College of Engineering
Member

JAIMIN VASA

Chairman and Managing Director
Vasa Pharmachem Private Limited
Member

CENTRE FOR HERITAGE MANAGEMENT

ASHOKE CHATTERJEE

Former Director
National Institute of Design
Chairperson

PRAFULL ANUBHAI

Academic and Management
Consultant
Former Chairman Board of
Management, Ahmedabad University
Member

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Vice Chancellor
Ahmedabad University
Member

NEEL KAMAL CHAPAGAIN

Director
Centre for Heritage Management
Member

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Member

LIST OF FACULTY

BHARGAV ADHVARYU

Professor
Amrut Mody School of Management

AMOL AGRAWAL

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Amrut Mody School of Management

PUNEET ARORA

Assistant Professor
Amrut Mody School of Management

SARTHAK BAGCHI

Assistant Professor
School of Arts and Sciences

NITINKUMAR BANKER

Associate Professor
School of Engineering and Applied Science

DINESH BAROT

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APARAJITA BASU

Assistant Professor
School of Arts and Sciences

KUNAL BASU

Distinguished Professor of Humanities
School of Arts and Sciences

HIMANI BAXI

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SHILPA BHAT

Assistant Professor
Amrut Mody School of Management

VIVEK BHATT

Assistant Professor
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AMRITA BIHANI

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Vice Chancellor, Ahmedabad
University and Professor
Amrut Mody School of Management

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Centre for Heritage Management

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Senior Lecturer
Amrut Mody School of Management

SANJAY CHAUDHARY

Professor and Interim Dean
School of Engineering and Applied Science

SRIDHAR DALAI

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School of Engineering and Applied Science

MANISH DATT

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School of Arts and Sciences

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School of Arts and Sciences

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ASHUTOSH KUMAR

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School of Arts and Sciences

ASHWIN KUMAR

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Centre for Learning Futures

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School of Engineering and Applied
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School of Arts and Sciences

VINOD MALL

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School of Engineering and Applied
Science

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Amrut Mody School of Management

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School of Arts and Sciences

SHEFALI NAIK

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School of Engineering and Applied
Science

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School of Arts and Sciences

KEITA OMI

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School of Arts and Sciences

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ARAVIND PANICKER

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JINAL PARIKH

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KUNTALKUMAR PATEL

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School of Engineering and Applied
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IOANNIS POULIOS

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School of Arts and Sciences

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Science

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School of Arts and Sciences

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School of Arts and Sciences

ASHOK RANADE

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School of Engineering and Applied
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Amrut Mody School of Management

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School of Arts and Sciences

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Assistant Professor
School of Arts and Sciences

RAMA RATNAM

Professor
School of Arts and Sciences

MEHUL RAVAL

Professor
School of Engineering and Applied
Science

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MAHENDRA SINGH RAO

Associate Professor
Amrut Mody School of Management

KAMAL GHOSH RAY

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Amrut Mody School of Management

RAHUL SARWATE

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School of Arts and Sciences

SHISHIR SAXENA

Assistant Professor
School of Arts and Sciences

SIDDHARTH SAXENA

Assistant Professor
Amrut Mody School of Management

ANJAN ANANDA SEN

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School of Arts and Sciences

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School of Engineering and Applied
Science

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SAUMIL SHAH

Senior Lecturer
Amrut Mody School of Management

ZALAK SHAH

Senior Lecturer
Amrut Mody School of Management

EKTA SHARMA

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School of Arts and Sciences

PRIYADARSHI SHUKLA

Distinguished University Professor
Global Centre for Environment and
Energy

RITESH SHUKLA

Assistant Professor
School of Arts and Sciences

DIVITA SINGH

Assistant Professor
School of Arts and Sciences

RAHUL SINGH

Assistant Professor
Amrut Mody School of Management

RAMADHAR SINGH

Distinguished University Professor
Amrut Mody School of Management,
School of Arts and Sciences

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School of Engineering and Applied
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MITA SUTHAR

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KRISHNA SWAMY

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School of Arts and Sciences

VIVEK TANAVDE

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School of Arts and Sciences

NIMIT THAKER

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NOOPUR THAKUR

Assistant Professor
School of Arts and Sciences

SUJO THOMAS

Senior Lecturer
Amrut Mody School of Management

DEVANATH TIRUPATI

Professor
Amrut Mody School of Management
Senior Dean Academic

ISHITA TRIPATHI

Assistant Professor
Amrut Mody School of Management

VIBHA TRIPATHI

Assistant Professor
Amrut Mody School of Management

BHAKTIDA TRIVEDI

Assistant Professor
Amrut Mody School of Management

CHIRAG TRIVEDI

Assistant Professor
Amrut Mody School of Management

PRATIK TRIVEDI

Senior Lecturer
School of Engineering and Applied
Science

TANA TRIVEDI

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Amrut Mody School of Management

JEEMOL UNNI

Professor
Amrut Mody School of Management

PANKAJ VAISH

Professor of Practice of Management
Amrut Mody School of Management

ADITYA VAISHYA

Assistant Professor
School of Arts and Sciences

JOSEPH VAN WEELDEN

Assistant Professor
School of Arts and Sciences

DHARMESH VARADE

Associate Professor
School of Engineering and Applied
Science

DEEPAK VERMA

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School of Engineering and Applied
Science

PALLAVI VYAS

Associate Professor
Amrut Mody School of Management

PRADYUMANA VYAS

Distinguished Professor
Amrut Mody School of Management

SONAL YADAV

Assistant Professor
Amrut Mody School of Management

MAZAD ZAVERI

Associate Professor
School of Engineering and Applied
Science

NEW APPOINTMENTS (STAFF)

MEENAKSHI AGARWAL

Executive Assistant
University Office

SANJAY BANAVAR

Director, Libraries
University Office

AROONIM BHUYAN

Associate Director
Communications & Public Affairs
University Office

SAMIR SINGH CHAVDA

Senior Manager, Office of Graduate
Admissions
University Office

TANVI CHAWLA

Senior Executive, Executive Assistant
University Office

MONEL DESAI

Senior Manager, Administration
School of Arts and Sciences

NEHA DESAI

Director, Alumni Engagement
University Office

VARUN DESAI

Manager, Campus Operations
University Office

DIPTI GAJJAR

Assistant, IQAC
University Office

MOHIT GUPTA

Director,
Career Development Centre
University Office

VICKY IDNANI

Manager, Finance and Accounts
University Office

GURNAM JAGOTA

Assistant Director
Office of Undergraduate Admissions &
Financial Aid
University Office

VEENA JHA

Laboratory Coordinator
School of Arts and Sciences

GRUSHA JOSHI

Senior Lab Associate
VentureStudio

SHIRSHIKA KAPOOR

Assistant Manager
Office of Undergraduate Admissions
and Financial Aid
University Office

ARUN LOKHANDE

Senior Manager, Administration
VentureStudio

RAHUL MEHTA

Associate Director, Executive
Education
University Office

MANASI MOKASHI

Assistant, Office of Undergraduate
Admissions and Financial Aid
University Office

**SWETANGKUMAR
PANCHAL**

Manager, Office of Graduate
Admissions
University Office

KISHANLAL PUROHIT

Physiotherapist
Blind People's Association

VISHAL SAMAL

Associate Director, Office of
Undergraduate Admissions and
Financial Aid
University Office

AAYUSH SHAH

Executive, Communications
University Office

TANVI SHAH RANGWALA

Chief Executive Officer
VentureStudio

BHARTI SINGH

Assistant Director
Office of Undergraduate Admissions &
Financial Aid
University Office

TRIBHUVAN SINGH

Executive Assistant Manager
University Office

**SIDDHARTH
SWAMINARAYAN**

Academic Registrar
University Office

KAJAL THAKKAR

Assistant, Programme Office
School of Arts and Sciences

DISHA THAKORE

Executive Assistant
School of Arts and Sciences

BHOOMI TRIPATHI

Executive, IQAC
University Office

DONORS

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

BALAJI PRAKASH AND SUTAPA MUKHERJEE

Established The Maya and Nitya Ranjan Need Based Scholarship

NAMANN PIPARA

Established a Need Based Scholarship

VIRAL VAISHNAV AND FRIENDS

Established a Need Based Scholarship

FACULTY, STAFF, ALUMNI AND STUDENTS OF AHMEDABAD UNIVERSITY

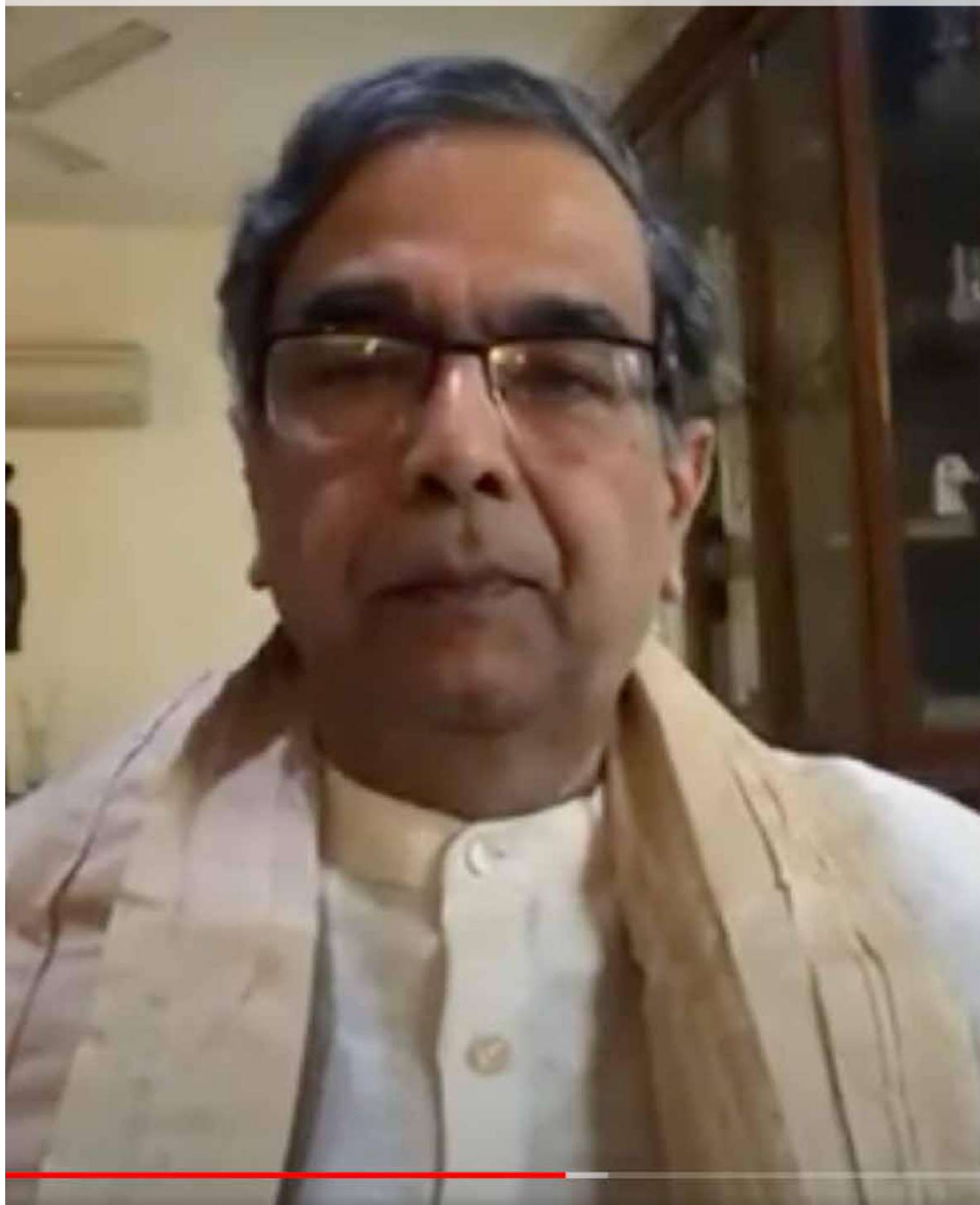
Established the Tenth Year Scholarship Fund for Students

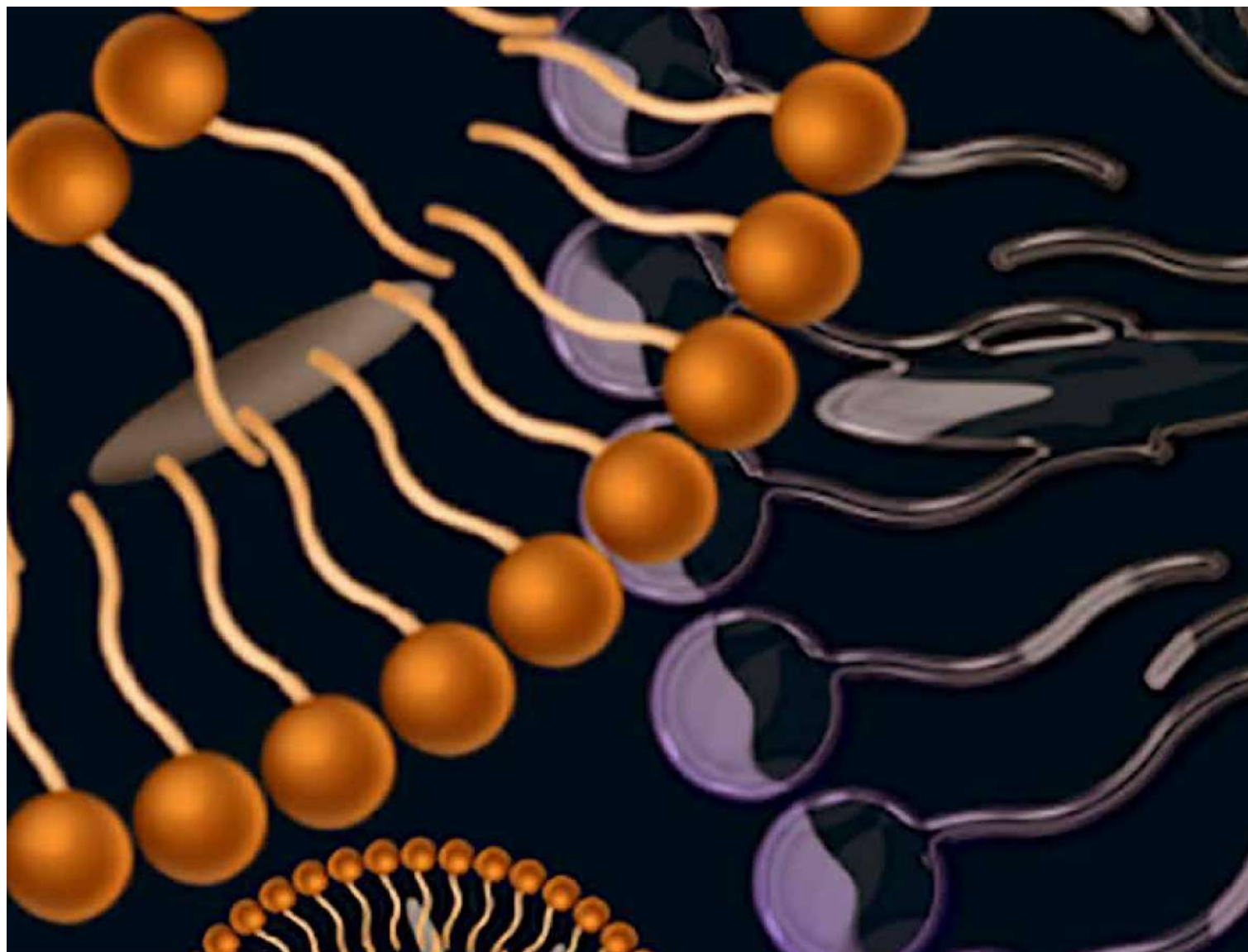




The Twelfth Foundation Day Lecture of Ahmedabad University was delivered by renowned Indian Designer, Scenographer, Art Curator and a Padma Bhushan awardee, Rajeev Sethi on Saturday, 27th February 2021.

The Tenth Convocation Address of Ahmedabad University was delivered by Dr. K Srinath Reddy, President of the Public Health Foundation of India on Sunday, November 29, 2021.





**Ahmedabad
University**



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Cover Photo: A novel nanoliposomal formulation of the FDA-approved drug Halofantrine causes cell death of the unicellular kinetoplastid protozoan parasite *Leishmania donovani*, the causative agent for visceral leishmaniasis. The finding of this study shows the importance and effectiveness of anti-leishmanial nanotherapeutics.

Research by Ashutosh Kumar, Associate Professor and Souvik Sen Gupta, Assistant Professor, School of Arts and Sciences