AHMEDABAD UNIVERSITY

ANNUAL REPORT

2017-18

CONTENTS

THE UNIVERSITY'S MOTTO "PARIPRASHNENA SAMRIDDHI" CALLS UPON THE CAMPUS COMMUNITY TO ENGAGE IN LEARNING THROUGH A SPIRIT OF ENQUIRY AND DISCOVERY.

Ahmedabad University is a research university dedicated to rigorous academic pursuit with a focus on building enquiry as a value through interdisciplinary learning. We provide a liberal education that prepares students to think deeply and creatively across fields, and emerge as independent thinkers and compassionate leaders, who can innovatively engage with complex challenges of our society. Established in 2009 by the 83-year-old Ahmedabad Education Society (AES), we are committed to the discovery of ideas that can enhance our understanding of issues that face our society.

Interdisciplinary education, project based learning and Undergraduate research are central to Ahmedabad University's unique learning process to ensure our students get an education that is broad as well as deep. Our students take courses across disciplines to build a holistic and interdisciplinary view of the world. Our classrooms encourage project based learning through a wide variety of programmes, so that students are able to learn by doing. This includes block courses, studio-inspired experiential courses, courses on perspective and skill building, innovative experiments in learning, and more. Our Undergraduate research programme gives students the opportunity to gain experience through mentored research, scholarship, or creative engagements where they collaborate with faculty mentors in the design and implementation of research projects and dissemination of its results.

The University comprises eminent founders, a congregation of engaging scholars and a talented pool of highly motivated students. Our faculty consists of distinguished scholars from across India and abroad who hold doctoral degrees from leading institutions such as University of Pennsylvania, Massachusetts Institute of Technology, University of Chicago, Purdue University, Stanford University, University of California at Berkeley, University of Maryland, Columbia University, Imperial College London, University of Edinburgh, University of Texas at Austin, etc.

Illustrious leaders like Kasturbhai Lalbhai and Amritlal Hargovinddas, noted industrialists and textile mill owners and Ganesh Mavalankar, the first Speaker of the Indian Parliament, the Lok Sabha, established AES in 1935 at the behest of Sardar Vallabhbhai Patel, the first Home Minister of the country. AES was set up with the purpose of advancing education in Gujarat and, through its institutions, throughout India and the world. AES and its leaders have played significant roles in the founding of national institutions like Indian Institute of Management Ahmedabad, National Institute of Design, Physical Research Laboratory and Centre Environmental Planning and Technology. The trust has established an endowment to support the building of a serious academic centre at Ahmedabad University.

OUR MISSION

To prepare leaders of outstanding character who will contribute significantly to their fields of study and practice

To actively advance research and intellectual enterprise at the University and society

To promote independent mindedness and diversity across all dimensions of the University

To build an evolving learning environment that is based on cross-disciplinary linkages among the arts, sciences, and professional disciplines, combined with rigor and reflection

To generate knowledge that provides a context of learning and contribution to India and the world communities

To actively advance the social, economic, and ecological development of local, national, and international communities

To catalyse students to mature into critical thinkers who are analytically equipped, practically oriented and ethically driven

YEAR AT A GLANCE

NEW LEADERSHIP

Ambitions of a university is strongly reflected by the depth and experience of its leadership. The year saw several new appointments in leadership positions at Ahmedabad University, comprising some of the most experienced and well-regarded academic thinkers and institution builders with proven track record. Bibek Banerjee joined the University as Senior Dean of Strategic Initiatives and Planning in May 2017. Patrick French joined as the inaugural Dean of the School of Arts and Sciences in August 2017. Sunil Kale was appointed Dean of School of Engineering and Applied Sciences in January 2018, and in the same month, Raghavan Rangarajan took charge as the inaugural Dean of Undergraduate College at the Ahmedabad University. With the superannuation of the Dean of the School of Computer Studies, Sanjay Chaudhary took over as its new Associate Dean.

ADMISSIONS 2017

The Office of Admissions and Financial Aid, beginning this academic year, consolidated all the undergraduate admissions at Ahmedabad University under a single unit.

The University places a premium on ensuring that it undertakes the admission process in a holistic manner. By this we mean, looking at several diverse criteria and engaging deeply with each candidate during the interaction stage. During 2017 Admissions, holistic reviews of three thousand applicants were conducted, nearly twenty two hundred personal interactions took place, with seventy-five faculty members spending more than fifteen hundred hours in the process. All students were admitted on a merit-based means-blind criteria with a purpose to promote diversity among the student body.

FINANCIAL AID

The University admits candidates who have demonstrated intellectual curiosity along with academic and extracurricular excellence. We firmly believe that lack of financial resources should not be a barrier to education and are committed to providing financial aid if a meritorious candidate is in need of it. Financial Aid ranges from partial waiver of tuition fees to complete coverage of educational costs, which is provided to the students based on the fulfilment of certain eligibility criteria. The University also has partnerships with banks to assist students in obtaining an educational loan

Financial Aid 2017-18
Total Students: 333 | **Total Amount:** 1.53 crore INR

OUTREACH

During the year the Outreach team connected with some of the best schools of the country to spread the awareness about the quality of education and student life in Ahmedabad University. The school visits were complemented by participation in Conferences, Symposia and Conclaves. Several platforms of outreach were used such as customised conversations with school principals, counsellors, parents and school students.

CAREER DEVELOPMENT CENTRE

The Career Development Centre (CDC) gives guidance to students of Ahmedabad University regarding their future career prospects. Through CDC, the students equip themselves to the challenges and rigours of their life beyond the university, be it higher education or professional opportunities. The Centre also facilitates projects and internships for the students with the Industry besides securing placements.

The Centre organised its annual workshops on Resume writing, Aptitude and Analytical Tests, Group Discussions, Personal Interviews and Professional Etiquette for students from all Schools and Centres. Workshops on Communication and Career Strategy was organised for students to equip them for the corporate world. Similarly, a Scientific Writing workshop was organised for iMSc students to help them write their research reports. The Centre also helped students plan their academic trajectories through Psychometric Assessment and Career Counselling.

CDC helped more than a hundred students enrol in internships with a number of established companies and institutions including Anand Rathi, Cadila Pharmaceuticals, Reliance Retail Ltd, Elixir Foundation, Loving Centre for Transformation, The Airport Authority of India, The Indian Space Research Organisation (ISRO), Ford, The Institute of Mathematical Sciences, Indian Institute of Space Science and Technology, The Yes Foundation and Bosch Rexroth.

CHAIRMAN'S MESSAGE

On behalf of the Ahmedabad University community, I am happy to present the Annual Report of the University for the academic year 2017-18. We are working, in a very fundamental way, to build a future-ready organization that will support a robust growth in our activities in the coming years. The University has seen a very significant organizational transformation in the last academic year – redrawing the organizational structure and filling the key leadership positions both on the academic side as well as in administration. Simultaneously, we have been working to build a very unique teaching and learning ecosystem that is starting to get recognized for its effectiveness, relevance, and rigour.

We recognize that the world of employment for our students is changing dramatically – new skills, new perspectives, new geographies are defining this new opportunity. The renewed emphasis on strong ability "to do" and "to articulate" requires meshing of theory and practice across multiple disciplines. The University's learning ecosystem is being constructed with that sensibility. The Independent Study Period and ENABLE (Engagement and Application Based Learning and Education) courses grew in numbers and impact.

To enable faculty to focus on their academic pursuits, the University has strengthened the administrative support by bringing key staff from industry. The big challenge is to build an experience bubble in the centre of the city – one that is seamless in delivery, inclusive in application, and rigorous in thinking. At the same time, we have started to build the next generation of talent pipeline and embedding specific skills in existing staff as a multi-year capability building project.

Four new changes deserve to be highlighted. One, The University established the Undergraduate College as the coordinating entity for undergraduate education at the University. Two, the leadership team grew in this academic year. Senior academics joined the University as Senior Dean of Strategic Initiatives and Planning, Dean of the Undergraduate College ,and Deans of the School of Arts and Sciences and the School of Engineering and Applied Sciences. Three, the University established a Global Centre for Environment and Energy to advance knowledge generation and our engagement around sustainability. Four, the Board of the University approved an ambitious campus construction programme comprising a building for the School of Arts and Sciences, a Student Centre, developing the Amrut Mody School of Management complex, student residences, and the University Library.

The University community is vibrant and we hope to increase our engagement with the city and the State in the coming year.

Pankaj Chandra
Vice Chancellor & Chairman
Board of Management
Ahmedabad University

The Amrut Mody School of Management (AMSOM) offers programmes that span Undergraduate Graduate, and Doctoral degrees in Commerce, Management and Economics. The School also has short term Certificate programmes for professionals and practitioners. The School is a bridge between practical industry requirements and strong conceptual education and works closely with the Industry to equip its students with a contemporary knowledge base.

OVERVIEW

A number of initiatives were undertaken during the year 2017-18 to redesign the existing programmes in the Amrut Mody School of Management for the purpose of making them consistent with the University's vision of interdisciplinarity and flexibility in its pedagogy and curriculum. The MBA programme was revamped completely with the introduction of the "Route Camp" project. This is a unique feature that requires students to work on real life, sponsored projects (either by individual companies or non-government organisations) throughout their study at the University, concurrent with their course work. The Route Camp project, in essence, captures the key elements of Ahmedabad University's learning philosophy – ability to work on complex, real life problems with interdisciplinary and experiential learning. This project is expected to help differentiate The Amrut Mody School of Management's MBA programme from the others in the Indian market. Similar efforts are continuing in the Undergraduate programmes, with significant increase in the number of cases studies used, particularly in the upper division courses. In fact, Ahmedabad University is one of three or four institutions that have arrangements with Harvard Business Publishing (HBSP) for use of case study material at the Undergraduate level.

Research activity at the Management School has seen a significant growth. We had two international academic conferences, one on Heritage Management in July 2017 and another on Operations Management in December 2017. Over 30 research seminars and research presentations too happened in 2017-18. Faculty research output has also increased considerably this year.

PROGRAMMES

BBA
BACHELOR OF BUSINESS ADMINISTRATION

The Bachelor of Business Administration (BBA) Programme of Ahmedabad University is designed to deliver well-rounded education in the business fundamentals and is known for a diverse pool of students and interdisciplinary approach to learning. Our flexible curriculum structure gives students the choice of specialising in one or two areas, while also exploring courses across School of Management, School of Arts and Sciences, and School of Engineering and Applied Science at Ahmedabad University.

BCOM
BACHELOR OF COMMERCE

The Bachelor of Commerce at Ahmedabad University is a programme offered in an environment of multidisciplinary education with a focus to build business skills in students. The programme is designed to impart a holistic perspective of commerce and thus allow the students an understanding of modern and sustainable business milieus.

A unique opportunity is offered to the students of the BCOM programme to opt for a Professional Track within the programme, which enables concurrent professional learning for the students, without compromising on the University's academic and disciplinary standards. The programme allows the students in the professional track to earn their academic credits from the rigorous internships/articleships that are undertaken with leading accounting firms. This option enables many students to pursue professional education while being a part of a world-class academic ecosystem at Ahmedabad University.

iMBA INTEGRATED
MASTER OF BUSINESS ADMINISTRATION

Ahmedabad University offers a five year Integrated Master of Business Administration (iMBA) programme with a focus on Entrepreneurship and Family Business. The programme relies on experiential learning, where students get to choose from a wide range of courses, projects, internships and international immersion opportunities. Students are awarded both, BBA as well as MBA degrees, on successful completion of the programme.

MBA
MASTER OF BUSINESS ADMINISTRATION

The Master of Business Administration is a full-time programme with provision for dual specialisation. Mentorship and summer internships are an integral part of the curriculum design. The programme includes a mandatory component, "Individual Social Responsibility Initiative" that requires students to take an action-oriented course dealing with questions related to development of the larger society.

PhD
DOCTOR OF PHILOSOPHY

The Doctoral programme in Management at the Amrut Mody School of Management offers an inter-disciplinary exposure to research. It is an intensive, research oriented academic programme involving both, course work and research. The course work spread over two years consists of core courses, research oriented courses and domain specific courses. The programme is rigorous in nature and would require full-time commitment from the research scholars.

FACULTY HIGHLIGHTS

Paragi Shah spent a semester teaching at the Olin College of Engineering, USA as a part of Ahmedabad University and Olin's collaborative effort to have continuous exchange and dialogue regarding innovative pedagogies.

EVENTS

The 21st Annual Conference of the Society of Operations of Management was organised at the Amrut Mody School of Management between 21st and 23rd December 2017. The conference saw more than forty talks/presentations, a doctoral consortium and a series of panel discussions with participants ranging across academics, practitioners, doctoral students and other researchers. The Keynote speaker for the event was Aamir Akhtar - CEO Denim Fabrics, Arvind Ltd.

STUDENTS ACTIVITIES AND ACHIEVEMENTS

Hardi Shah represented India at the X-culture symposium in Macerate, Italy. She was the leader of a team which consisted six members, all from different countries.

Anjali Nair and Shobhan Verma won national level accolades for volleyball.

Ishani Kanadia was selected by the US Consulate General for the 'Study of US Institutions for Student Leaders' programme.

Ashutosh Pandey was selected as Erasmus scholar to the University of Applied Sciences in Nysa, Poland. While there, he won the Student of the Year award and made a presentation on India in the International Language and Culture Conference.

Ali Pulavwala came first in St. Xavier's College, Ahmedabad's festival - Cognoscence, the Shotgun Quiz and Idea Bazaar events.

Vishal Agarwal came first in the Mock Parliament event. He also won the second prize in both, the Case Study and Mock Stock events at St. Xavier's College's Economics Festival.

PLACEMENTS

A number of our students were granted admission to reputed international universities for higher education. These include: Columbia University (USA), The London School of Economics (UK), The IE School of Business (Spain) and the Vienna University of Economics (Austria).

Close to forty other students gained admission at highly-regarded universities in India, including IIMs (Ahmedabad, Bangalore, Calcutta and others), Indian Institute of Foreign Trade (Delhi), Faculty of Management Studies (Delhi) and XLRI – Xavier School of Management (Jamshedpur).

WORKSHOPS

Studio Metamorphosis, a two-day workshop, was organised at Amrut Mody School of Management to orient students to essential domains of management. The workshop modules were designed to provide exposure at all three tiers – Individual, Group and Organisational level. For our 2017 edition, a total of 26 participants from institutions as diverse as Indian Institute of Craft and Design and MNIT from Jaipur, IIIT Kota and SVNIT Surat participated in the event organised on 8th and 9th December 2017.

INDUSTRIAL VISITS/IMMERSIONS

Study abroad in Poland: A group of 24 students from the School participated in a three-week long immersion programme in Poland which dealt with the theme – 'Business and Management in the European Union - the case of Poland'. During their stay, our students met the Indian Ambassador and the Director of Finance Ministry of Poland. They also had the opportunity to interact with authorities at the National Bank of Poland as well as visit the offices of two global companies.

Exchange Programme: A few select students of the Undergraduate programme went to study abroad for a semester at the ESC Rennes School of Business, France as part of our exchange programme.

Discovering India 2017-2018: As part of this year's 'Discovering India' course, iMBA students went on a study tour to the city of Hyderabad. They toured sites of historical, cultural and social importance, had an immersion into rural neighborhoods and the lives of local artisans and craftsmen. They also interacted with contemporary business executives and other professionals in the metropolitan sector of Hyderabad. Overall, the visit served to widen the students' horizons, give them an understanding of different social realities and the depth of the nation's reservoir of cultural heritage. All of these facets contributed to a larger reflection on development in India, ideas on good governance and the expectations from the youth for the nation's multidimensional growth.

GUEST LECTURES

Maulik Chauhan, Associate Director Dobility Inc, spoke on "High quality data collection tool – Survey CTO" on 6th September 2017.

Parag Admoker, Regional Manager Tobii AB, spoke on "Eye Tracker as a Research Tool" on 13th September 2017 .

RESEARCH SEMINAR SERIES

Aditya Moses, IIM Bangalore, "Institutional Logic Combinations and Organisational Performance: A study of Christian Mission Hospitals in India", 8th March 2018.

Amol Agarwal, IIM Bangalore, the "History of Banking in India's South Canara District (1906-69)", 13th December 2017.

Amrita Bihani, Ahmedabad University "An Empirical Study on Perception of Talent Management Practices & Employee Engagement Levels among Employees in the Pharmaceutical Sector in India", 30th September 2017.

Chetan Chitre, IIM Bangalore, scale experiment in India", 6th March 2018.

Deeksha Kale, Boston College, spoke on "Could Directed Lending Programs Hurt Small Businesses? Evidence from India", 10th January 2018.

Francisco Figueira de Lemos, Uppsala University, "Internationalisation: Does Politics Matter?" 8th February 2018.

Garga Chatterjee, Indian Statistical Institute Kolkata, "Is the Web as good as the Lab? - Comparison of behavioural data and crowd-sourcing strategies", 5th April 2017.

Gautam Udupa, University of Houston, "Multinational Firms, Trade and the Trade-Co movement Puzzle", 28th December 2017.

Jeemol Unni, Ahmedabad University, "Informal Economy in India and Developed Countries: Debate on Formalisation", 6th December 2017.

John Firth, Massachusetts Institute of Technology, "I've Been Waiting on the Railroad: The Effects of Congestion on Firm Production", 3rd January 2018.

John Maddaus, University of Maine, "Multicultural Education in the US: Do the Assumptions Apply to Education in India?", 20th November 2017.

Kiriti Kanjilal, Washington State University, "Common Pool Resources with Endogenous Equity Shares", 29th December 2017.

Manini Ojha, Southern Methodist University at Dallas, "Gender gap in schooling: Is there a role for health insurance", 26th December 2017.

Mayank Raj Gupta, Jindal University, "The Evolution of Shadow Banking System in Emerging Economies: The Role of Entrusted Loans in China's Capital Market", 2nd June 2017.

Niyate Dave, Ahmedabad University, "Understanding the role of angel investors in the entrepreneurial ecosystem of Gujarat", 12th April 2017.

Pallavi Vyas, University of Chicago, "Can the Rise in Women's Wage Premia Explain the Fall in Teen Birth Rates?", 14th February 2018.

Paragi Shah, Ahmedabad University, "The Olin Experience" about her visit, stay and experience at Olin College of Engineering USA , 24th January 2018.

Prashant Chintapalli, UCLA Anderson School of Management, "The Impact of Crop Minimum Support Prices (MSPs) on Crop Selection and Farmer Welfare in the presence of Strategic Farmers" 26th March 2018.

Punarjit Roychowdhury, Shiv Nadar University, "The Impact of Terrorism on Social Capital: Evidence from the 2015 Charlie Hebdo Paris Shooting" 8th November, 2017.

Rashmi Gupta, Cognitive Neuroscientist, University of Allahabad, "Role of Emotion, Motivation and Value on Attention", 21st April 2017.

Rosa Maria Perez, IIT Gandhinagar, "Women's Voices. From Goa to India through nationalist journeys", 22nd November 2017.

Sakshi Jain, University of Houston, "Effects of a Conditional Cash Transfer Program Targeting Young Girls: Evidence from India", 19th February 2018.

Shreyasee Das, University of Wisconsin-Whitewater, "Intergenerational Effects of Improving Women's Property Rights : Evidence from India", 16th March 2018.

Sanjay Goyal, Management Development Institute, Gurgaon, "Determinants of Board Performance in the context of corporate governance of Firms: Towards designing a Balanced Scorecard", 21st November 2017

Shriram Kadia and Vivek Bhatt, Ahmedabad University "Teaching with Simulations", 1st November, 2017.

Sudhanshu Rai, Copenhagen Business School, "Making innovation pay, an emerging economy perspective", 3rd October 2017.

Sumitava Mukherjee, Ahmedabad University "Why sleep when you can think? Debunking the powerful unconscious view in decision making", 25th October 2017.

Supratim Das Gupta, Universidad de Guanajuato, Mexico, "The Push for Renewables in India: A Real Options Approach", 28th February 2018.

Suraj Yendege, Harvard University, "India for Diversity: For an Inclusive and Progressive India", 10th January 2018.

GRANTS

Name: Abrar Ali Saiyed
Grant for: Participation in the International Visitor Leadership Programme (IVLP) organised by the U.S. Department of State's Bureau of Educational and Cultural Affairs (ECA) from 1st April to 10th May 2017
Grant Awarded by: US Government

Name: Ankur Gangal
Grant for: Participation in the 'Collaboratory' programme at Olin College from 3rd to 13th June 2017
Grant Awarded by: Ahmedabad University

Name: Himani Baxi
Project: "Outcome Evaluation of State Finance in the context of recommendations of the 14th Finance Commission: Determination of sustainable debt roadmap for 2020-25", a study for 15th Finance Commission
Grant Awarded by: Gujarat Institute of Development Research (GIDR)

Name: Himani Baxi
Project: "Dried Fish Matters: Mapping the Social Economy of Dried Fish in South and Southeast Asia for Enhanced Wellbeing and Nutrition".
Grant Awarded by: Social Sciences and Humanities Research Council of Canada

Name: Jeemol Unni
Project: To participate in "Asian Economic Interdependencies" a conference of the Senior Fellows of the MasterCard Centre for Inclusive Growth
Grant Awarded by: MasterCard Singapore and CPR Delhi

Name: Jeemol Unni
Grant for: Giving a lecture at the Whitaker Institute of Innovation and Societal Change (Ireland)
Grant Awarded by: University of Ireland

Name: Jeemol Unni
Grant for: Attending the WIEGO 20th Anniversary Research Conference in Boston, USA
Grant Awarded by: Women in Informal Employment Globalising and Organising (WEIGO)

Name: Paragi Shah
Grant for: To serve as a faulty exchange partner with Olin College
Grant Awarded by: Argosy Fellowship

Name: Payal Mukherjee
Grant for: Participation in a collaborative Project on International Learning (PICT)
Grant Awarded by: Gwenna Moss Centre for Teaching and Learning at the University of Saskatchewan, Canada

Name: Shilpa Bhat
Grant for: Conducting archival research at Osler Library, Mcgill University, Canada
Grant Awarded by: Mcgill University's Dr Edward H. Bensley Osler Library Research Travel Grant

Name: Sonal Yadav, Mita Suthar and Himani Baxi,
Project: "Measuring impact of demonetization on rural economy"
Grant Awarded by: University Research Board

STUDENT RESEARCH

Chandnani, G. "Micro Entrepreneurs and Their Cluster Bases Performance: Chokha Bazaar". NICOM Conference, Nirma University and CERE Conference, IIM Indore, 2018

Kaur, P. "Exploring The Dabgarwad Community Market", NICOM Conference, Nirma University and Case Conference, IIM Raipur, 2018

Shah, E. "Study of AHVL Ahmedabad", NICOM Conference, Nirma University, Ahmedabad, 2018

PUBLISHED BOOKS

Chandra, P. (2017). Building Universities that Matter: Where are Indian Institutions Going Wrong? New Delhi: Orient Blackswan

Bhat, S. (Ed). (2018). Diaspora and Homing in South Asian Women's Writing: Beyond Trishanku. Maryland, USA: Rowman and Littlefield Publishing Group

Ramnath, A. (2017). The Birth of an Indian Profession: Engineers, Industry, and the State, 1900-47. Delhi: Oxford University Press

Sharma, E. (2018). Strategic Human Resource Management. Chennai: Pearson Publication

Trivedi, C. (2018) The Adivasi Will Not Dance (Gujarati Translation). (C. Trivedi & R. Burke, Trans.) Ahmedabad: Joy Burke Foundation. (Original work published in 2015)

BOOK CHAPTERS

Chandra, P, "Management Education in India: How Far Have We Come?"(Forthcoming) in Handbook of Higher Education in India: Debates, Practices, and Policies ed. Krishna Kumar, Routledge, 189-202, 2018

Bhat, S. (2017). Inhabiting Trishanku in Canada: Threshold Experience in the Oeuvre of M. G. Vassanji. In S. Brandt (Ed.), In-Between: Liminal Spaces in Canadian Culture and Literature (47 – 59), Frankfurt, New York et al: Peter Lang

Bhat, S. (2018). The Return of the Native: Homecoming 'Returnee' Migrant in M.G. Vassanji's Narratives. In F. Delphine (Ed.), The Postcolonial Subject in Transit: Migration, Borders and Subjectivity in African Diaspora Literature (111 – 123), Lanham, US: Rowman and Littlefield, Lexington Books

Bijal, M. & Paragi, S. (2018). Women Entrepreneurs and the Fashion Boutique Business. In N. Panchal (Ed.), Business Ecosystem: Interplay of Key Dimensions. (59 – 66) South Africa: HPH Publishers

Jhaveri, H. & Dave, N. (2017). Mainstreaming Alternative Finance: Role of Angel Investors and Angel Investments. In S. Akoijam, N. Singh, & W.C. Singh (Eds.), Business and Competitive Advantage: Creating and Sustaining Ideas to solve Contemporary Issues in Recent Era (168-178). Delhi: Ruby Press

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Saxena, S. (2018). Indian Women in Leadership. Editors: Ghosh, Rajashi, McLean, Gary N. (Eds.) Due: September 2, 2018 ISBN 978-3-319-68815-2

Sharma, E. and Tewari, R. "Winds of Change"in Renvoi, A book of Case Studies, Penguin , India. October, 2017

Thomas, S., Sinha, P. & Huner, S. (2018). Modern Retailing in Indian Market Place: Examining the Functional Level Strategies. In N. Bhatt, B. Unny & S. Bhatt (Eds.), Business Transformation through Functional Strategies (76 - 82). New York: McGrawhill Education

Thomas, S., Abhishek S., & Sanket V. (2018). Patanjali Ayurved Limited - Driving Ayurvedic FMCG Food Product Market. In J. Byrom & D. Medway (Eds.) Consumer Science and Strategic Marketing: Case Studies in Food Retailing and Distribution (Accepted for Publication), New York: Elsevier

Trivedi, T. (2018). Fragmented Lives: Locating 'Home' in the Poems of Sudesh Mishra. In Borders and Mobility in South Asia and Beyond (255 – 277) The Netherlands: Amsterdam University Press

Trivedi, C. (forthcoming). level playing field: language as a site for subjugation as well as liberation in Meena Kandasamy's poems. In R. Trivedi (Ed.) Interrogating Patriarchy: Essays on Contemporary Women Poets of India

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Abdelrehim, N., Ramnath, A., Smith, A., & Popp, A. (2018). Ambiguous Decolonisation: a postcolonial reading of the IHRM strategy of the Burmah Oil Company. Business History

Bhat, S. (2018). Sikh Diasporic Negotiations: Indian and Canadian History in Can You Hear the Nightbird Call? Sikh Formations: Religion, Culture, Theory, 14 (1), 1-16

Binny, R. (2017). A Conceptual Study of Trade Credit Management on SMEs. Global Journal of Commerce & Management Perspective

Birjepatil, S. & Dalal, K. (2018). A Review of Behavioural Finance: The Psychology of Investing. Anveshan Management Research Journal, 5 (1), 32-39

Birjepatil, S. & Dalal, K. (2018). Behavioural Investment and Artificial Intelligence. Chronicle of the Neville Wadia Institute of Management Studies and Research, 6 (1), 23-30

Maneck, P. (2018). Marginalised Voices in Rohinton Mistry's 'A Fine Balance'. Research Hub: International Multidisciplinary Research Journal, 5 (3), 34 - 56

Maneck, P. (2018). A Small Voice: Aesthetics of Dalit Life Narratives. Research Guru: Online Journal of Multidisciplinary Subjects, 11 (4), 273-279

Maneck, P. (2018). The Theme of 'Coming Out' in Mahesh Dattani's on a Muggy Night in Mumbai'. International Journal of English Language, Literature and Humanities, 6 (4), 546-552

Mehta, B. & Panda, R. (2018). Marketing of Sports Brands via Social Media to the Young Indian Consumer. International Journal of Research in Management and Social Sciences. Volume 6, Issue 1 (IV): January - March 2018. Page 6-12

Panda, R., Mehta, B., & Vatsavayi, S. (2017). Opportunities in the Emerging Market Economies. NOLEGEIN: A Journal of Global Marketing, 1(1), 1-10

Pandya, P. (2018). Education and the Question of Citizenship: A Study of State Policy in Higher Education in Contemporary India. International Journal of English Language and Literature in Humanities, 6 (3), 16-17

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Ramnath, A. (2018). Book review: Ross Bassett, The Technological Indian. Studies in History, 34(2), 212-215

Saxena, S.S., & Pandya, R.S.K. (2018). Gauging Underdog Entrepreneurship for Disabled Entrepreneurs. Journal of Enterprising Communities: People and Places in the Global Economy, 12 (1), 3-18

Sharma, E. & Tewari, R. (2018). Engaging Employee Perception for Effective Corporate Social Responsibility: Role of Human Resource Professionals. Global Business Review, 19 (1), 111-130

Sharma, E. & Rao, B. (forthcoming). Sustainable Human Resources Management: A Review of the Literature and a Proposed Typology. Accepted for Publication at Human Resource Management Review

Sharma, E. (forthcoming). Creativity Nurturing Behaviour Scale for Teachers. Accepted for Publication at International Journal of Educational Management

Singh, R. Tay, Y.Y. & Sankaran, K. (2017). Causal Role of Trust in interpersonal attraction from attitude similarity. Journal of Social and Personal Relationships, 34 (1), 717-731

Singh, R., Lim, H.K., Sankaran, K. & Bhullar, N. (2018). Punishing an 'unfair' leader: People as pragmatic politicians with in-group but fair-but-biased prosecutors with out-group. IIMB Management Review, 30 (1), 77-90

Tewari, R. & Pathak, T. (2017). Theoretical Grounding for Sustainability Reporting: A Comparison between Indian and European Banks. ACRN Oxford Journal of Finance and Risk Perspectives, 6 (3), 107-120

Trivedi, B. S. and Patel, M. N., "Estimation of Parameters of Misclassified Size Biased Borel Tanner Distribution" is being considered for publication in the edited volume of papers from ICADABAI 2017 (5th IIMA International Conference on Advanced Data Analysis, Business Analytics and Intelligence) to be published by Springer

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Unni, J. (2017). Observing and Commenting on Society, Economy and Polity. Economic and Political Weekly, 52 (33), 44-45

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Yadav, S. (2018). Healthcare Sector in India: How are we Performing? Research Hub: International Multidisciplinary Research Journal, 5 (4), 52 - 58

Yadav, S. (2017). Issues Concerning the Employment, Production and Working Conditions in Indian MSMEs after Economic Reforms: A Study of Small Scale Engineering Industries of Gujarat. Journal of Regional Development and Planning, 6 (2), 33 - 46

CONFERENCE PRESENTATIONS

Baxi, H. "Demonetization in Rural Economy: Bank and No Bank", International Conference on Banking and Finance, GNLU, Gandhinagar, March 2018

Bhatt, V., Kadiya, S., Vatavwala, S. "Experimental Design for Assessment of Tourism TV Commercials – A case of BRICS", 48th Decision Science Institute Conference on Innovative Decision Making: Research to Practice, Washington DC, November 2017

Birjepatil, S. & Dalal, K. "A Review of Behavioural Finance: The Psychology of Investing", National Seminar on Innovation and Emerging Global Trends in Management, Institute of Management and Research, Pune, February 2018

Birjepatil, S. & Dalal, K. "Behavioural Investment and Artificial Intelligence", Neville Wadia Institute of Management Studies and Research, Pune, February 2018

Dugar, P. & Pandit, N. "Growth of Venture Capital and Private Equity in India", National Conference on Finance and Applied Economics, Pune, October 2017

Jhaveri, H., & Rawat, B. "An Empirical Analysis of Relationship between Dividend Payments and Capital Structure of A Group Companies Listed on BSE," India Finance Conference 2017, IIM-B, Bangalore, December 2017

Maneck, P. "The Theme of 'Coming Out' in Mahesh Dattani's On a Muggy Night in Mumbai", UGC National Seminar on Theatre and Dramatics: An Endangered Art or Inevitability? Department of English, Gujarat University, Ahmedabad, March 2018

Maneck, P. "Marginalised Voices in Rohinton Mistry's A Fine Balance", 31st International Conference on Interpreting Indo-Canadian Echoes of Voices, VBJ's Institute of Arts and Humanities, Wadhwan, Gujarat, March 2018

Mehta, B. "Do We Know Our Heritage? Do We Value It? International Conference on Heritage Management Education and Practice, Ahmedabad University, July 2017

Mehta, B. & Panda, R. "Marketing of Sports Brands via Social Media to the Young Indian Consumer", National Level Conference on 'Marketing in Digital India: Trends, Opportunities & Challenges', sponsored by Indian Council of Social Science Research (ICSSR), Hyderabad, February 2018

Mehta, B., Panda, R. & Pawshe, S. "Awareness, Acts and Effects of Media Piracy – A consumer perspective." Paper presented as part of a panel discussion at ICMC, Mudra Institute of Communication (MICA), Ahmedabad, January 2018

Mehta, B. & Paragi S. "Women entrepreneurs and the Fashion Boutique Business". International Youth Symposium (iNYS), Ahmedabad, January 2018

Pandya, P. "To Be or Not to Be: The question of English Departments in India", International Conference of The Forum on Contemporary Theory on Humanities Across Cultures, Gopalpur, Odisha, December 2018

Parikh, J. "Online versus Offline Banking services Usage: Application of Multinomial Logistic Regression", 5th International Business Analytics and Intelligence conference, IIM-B, Bangalore, December 2017

Parikh, J., & Kalro, A. "Measuring Relative Perceptual Efficiency of Bank Brands: A DEA based approach", 21st Annual International Conference of the Society of Operations Management, Ahmedabad University, December 2017

Parikh, J., & Shaikh, J. "Antecedents of Brand Loyalty through mediating role of Brand trust: A Model", 5th Biennial Indian Academy of Management Conference, IIM Indore, December 2017

Pathak, T. "Linkages between Global Capital Flows, Stock Market and Monetary Policy: Evidences from India", India Finance Conference, IIM Bangalore, December 2017

Pathak, T. & Tewari, R. "Impact Financing and Development Needs of India: A Conceptual Study", 16th Finance, Risk and Accounting Perspective conference at the ACRN Oxford Ltd. Centre for Interdisciplinary Research, Cambridge, UK, September 2017

Ramnath, A. "Race, Culture, and the Ideal Engineer: The Public Works Department in India, 1900-40". 6th SIETAR [India] International Conference, Society for Intercultural Education, Training & Research, Pune, February 2018

Ramnath, A. "Engineering and technology in colonial India". Conference on 'The Emergence of Modern Science in Colonial India', Indian National Science Academy, New Delhi, March 2018

Rawat, B. & Jhaveri, H. "A Study of Relationship between Capital Structure and Dividend for Selected Dividend Paying 'A Group' Companies Listed on BSE, India" India Finance Conference, IIM-B, Bangalore, December 2017

Saiyed, A., & Fernhaber, S. "The internationalization of new ventures in a post-liberalization era: the shifting role of industry concentration", Academy of International Business, Dubai, July 2017

Sharma, E. and Kumar, D. "Career-oriented culture of SMEs and millennial generation", International Research Conference in Asia organised by Academy of Human Resource Development, India in collaboration with AHRD, USA jointly with Department of Business Administration, M L Sukhadia University from November 8 to 10,2017 at IIM-A, Ahmedabad India.

Srikrishna, V., Mehta, B., & Panda, R. "Sense making in organisations: study from selected Indian news media organisations". 21st Nirma International Conference on Management (NICOM 2018), Ahmedabad January 2018

Tewari, R. & Pathak, T. "Theoretical grounding for Sustainability Reporting: A Comparison between Indian and European Banks", 2nd Social Sustainability Finance Investment Conference at Cambridge, the ACRN Oxford Ltd. Centre for Interdisciplinary Research, September 2017

Trivedi, C. & Singh, J. "Musings of a Muse when Rendered as Blues: An Analysis of Cross-cultural Amalgamation as an Empowering Postmodern Feminist Expression in Sita Sings the Blues" Sahitya's Interdisciplinary and International Conference, Namaste Educational Academy, Puducherry, February 2018

Trivedi, C & Oza, H. "Offensive in Cultural Counter-Offensive: A Study of Symbolic Interactionism in Cinematic or Literary Retelling of Select Mythological Episodes with Body Politics as its Core Theme" National Seminar on 'Re-working, Re-Imagining, Re-inventing: The Changing Faces of Adaptation Studies', Department of English, St. Andrew's College of Arts, Science and Commerce, Mumbai, November 2017

Trivedi, C. "The Class Called Literary Precariat: The Question of Canon-formation and Literary Elitism in Gujarati Literature" International Conference – 17th Annual Conference of the South Asian Literary Association, New York, January 2018

Trivedi, C. and Oza, B. "The Goose Quill Dipped in Venom: Assaying Voicing of Violence in Gujarati and Marathi Dalit Poetry", International Seminar on 'Narratives of Violence and Terror in South Asia', Department of English, North-Eastern Hill University, Shillong, November 2017

Trivedi, T. "Precarious Poetry: Institutionalized Ecological Destruction and the Changing Idea of Home in Fijian Literature", 18th Annual South Asian Literary Association Conference, New York, January 2018

Trivedi, T. & Abhaya, N.B. "Peripatetic world of the Indo-Fijian diaspora in Brij V Lal's Mr Tulsi's Store", Conference on Transnationalism, Culture and Diaspora in the Era of Globalisation, Centre for Study of Diaspora, Central University of Gujarat, Gandhinagar, February 2018

Unni, J. "Formalization of the Informal Economy: Perspective of Capital and Labour" (Keynote address), 59th Annual Conference of the Indian Society of Labour Economics, Trivandrum, December 2017

Vasupradha S., Bijal M., Rasananda P., "Sense making in organisations: study from selected Indian news media organisations. 21st Nirma International Conference on Management (NICOM 2018). Societal and organisational transformation through strategic and technological interventions, Ahmedabad, January 2018

Yadav, S. "Financial Inclusion in Rural Economy: Experiences and the Way Forward", International Conference on Banking and Finance, Gujarat National Law University (GNLU), Gandhinagar, March 2018

INVITED LECTURES

Chandra, P. Invited for talk in seminar on Building Universities that Matter, Board of IT Education and Standards & Karnataka Association of Vice Chancellors, February 2018

Chandra, P. Policy engagement as Chairman, Committee of Experts for Programmes in Advanced Training Institutes, Ministry of Skills Development and Entrepreneurship, 2017

Chandra, P. Invited for talk in seminar on Building Universities that Matter, Board of IT Education and Standards & Karnataka Association of Vice Chancellors, February 2018

Chandra, P. Policy engagement as Chairman, Committee of Experts for Programmes in Advanced Training Institutes, Ministry of Skills Development and Entrepreneurship, 2017

Baxi, H. Invited for discussion on the Union Budget 2018-19 at DD National and DD Girnar television studios, March 2018. https://www.youtube.com/watch?v=obcnrCo189E

Mehta, B. Invited as Chairperson to the "National Youth Summit- 2018", Gujarat University, January 2018

Mehta, B. Invited as Resource Person for a "PhD coursework in the Social Sciences" Session during the "Introduction to Qualitative Research" workshop for university and college teachers by the UGC Human Resource Development Centre, Ahmedabad, March 2018

Mehta, B. Panel member for discussion on "Effects of Media Piracy" at Mudra Institute of Communications, Ahmedabad, January 2018

Padia, D. "Management Lessons from Mythology", The Vedica Scholar's Programme for Women, New Delhi, June 2017

Pandey, S. "Literature Review: A Scholarly Conversation" Workshop on Research Methodology and Current Research Trends, Shri Mata Vaishno Devi University, Katra, Jammu&Kashmir, January 2018

Pandey, S. "Doing your Graduate Projects", Shri Mata Vaishno Devi University, Katra, Jammu&Kashmir, January 2018

Pandey, S. "Reading Indian Cities as Text," GIAN Course on Technology, Urban Space and Culture: emerging Paradigms for the Global India, IIT Kharagpur, December 2017

Pandya, P. Invited to read her poems in the original and in translation at the Kalaghoda Arts Festival, Mumbai, February 2018

Parikh, J. "Introduction of SPSS/ IBM SPSS Statistics, Parametric tests (Multiple Regression, Factor Analysis & Discriminant Analysis through SPSS)", Knowledge Consortium of Gujarat, Ahmedabad, March 2018

Pathak, T. "ESR and MSME-An Agenda for Inclusive Growth", CII-East and IIM-C, Kolkata, January 2018

Ramnath, A. "A Brief History of an Aspirational Profession: Engineering in India", International Women's Association Endowment Lecture, Museum Theatre, Chennai, March 2018

Saiyed, A. "Innovation for Growth in SMEs", Confederation of Indian Industry (CII), Rajkot, February 2018

Saiyed, A. "Challenges of Growth in Family Businesses", Confederation of Indian Industry (CII), Rajkot, November 2017

Saiyed, A. "Growth Challenges in SMEs", Leather Industry Association, Chennai, November 2017

Saiyed, A. "Challenges in Entrepreneurship", Student Islamic Organisation, Mumbai, September 2017

Saiyed, A. "Ahmedabad: Towards Inclusive Heritage Conservation", Ahmedabad University, Ahmedabad, 2018

Singh, R. Invited to teach at the Winter School on Research Methods for FPM Participants, IIM-R, Ranchi, December 2017

Singh, R. "Psychology in National Development", Keynote Speech at the 53rd Annual Conference of the Indian Academy of Applied Psychology, University of Puducherry, February 2018

Unni, J. "Informality and Labour Markets: Blurring Lines of Formal an Informal Economy", The Whittaker Public Lecture delivered at National University of Ireland (NUI), Galway, Ireland, November 2017

Forming an essential component of Ahmedabad University's educational experience, the School of Arts and Sciences is working to become a thriving centre for research and higher education in India. Situated within the subcontinent's indigenous traditions of knowledge and disputation, and on the frontiers of cutting-edge global research across the natural sciences, social sciences and humanities, the School aims to create an intellectual environment with a difference. Challenging the popular perception of an unbridgeable gap in disciplinary methods, outcomes and understanding, the School stresses the importance of collaborative, interdisciplinary learning and cross-field methodologies.

OVERVIEW

This last academic session saw the School of Arts and Sciences begin to come into fruition, with the appointment of Professor Patrick French as the Dean in August 2017. The School had fifteen new faculty members joining across four of its five divisions during this period, while work on the upcoming campus building continued to progress steadily. In curricular content, the year saw a restructuring of the Integrated MSc and the PhD programme of the Biological and Life Sciences division, with increased interdisciplinarity and a greater degree of flexibility being introduced into both. Furthermore, considerable advances were made with the development of courses for the undergraduate foundation programme, as well as the various specialised degrees that are scheduled to be launched in the 2019-20 academic year.

This year, our faculty across various divisions raised 1 crore INR external funding and nearly the same amount in start-up grants. These resources allowed the setting up of new labs for some of the recently appointed faculty, as well as the acquisition of new equipment such as the Drosophila fly lab, the live organism facility and the plant tissue culture facility.

PROGRAMMES

iMSc
INTEGRATED MASTER OF LIFE SCIENCES

The iMSc is a five-year, full-time Masters programme that offers a specialisation in Biochemistry, Biotechnology and Microbiology. After four years, students also have an option to exit with a BSc degree. The programme helps students develop a strong orientation towards research and innovation in the Life Sciences.

PhD
DOCTOR OF PHILOSOPHY

The Doctoral programme in Life Sciences provides rigorous research experience to its scholars. It is an interdisciplinary programme that prepares scholars for a career in research and offers unique opportunities for them to meaningfully engage in global challenges in the area of Life Sciences.
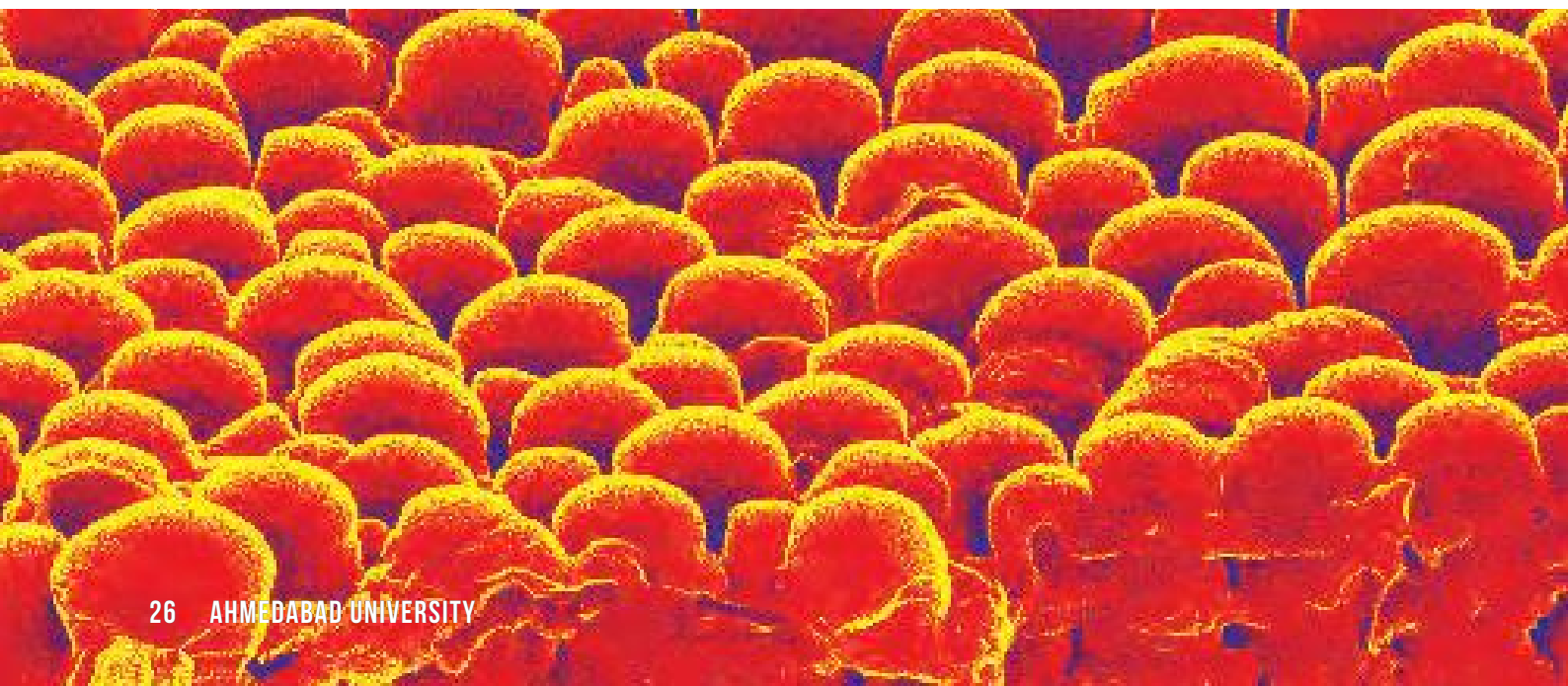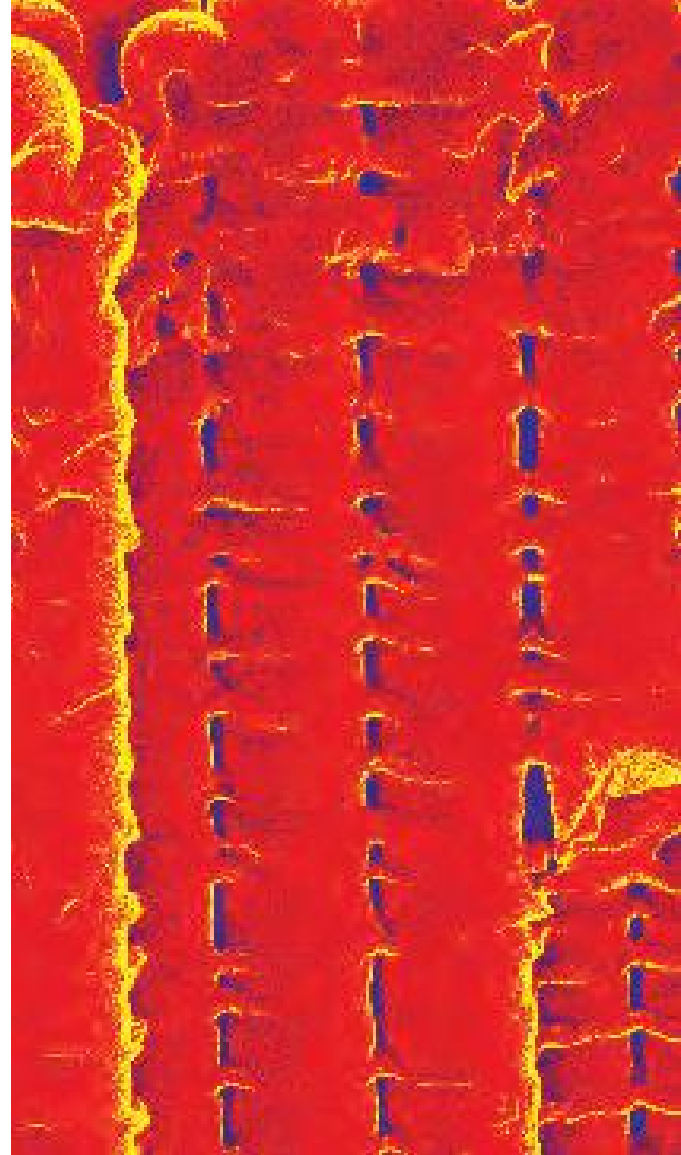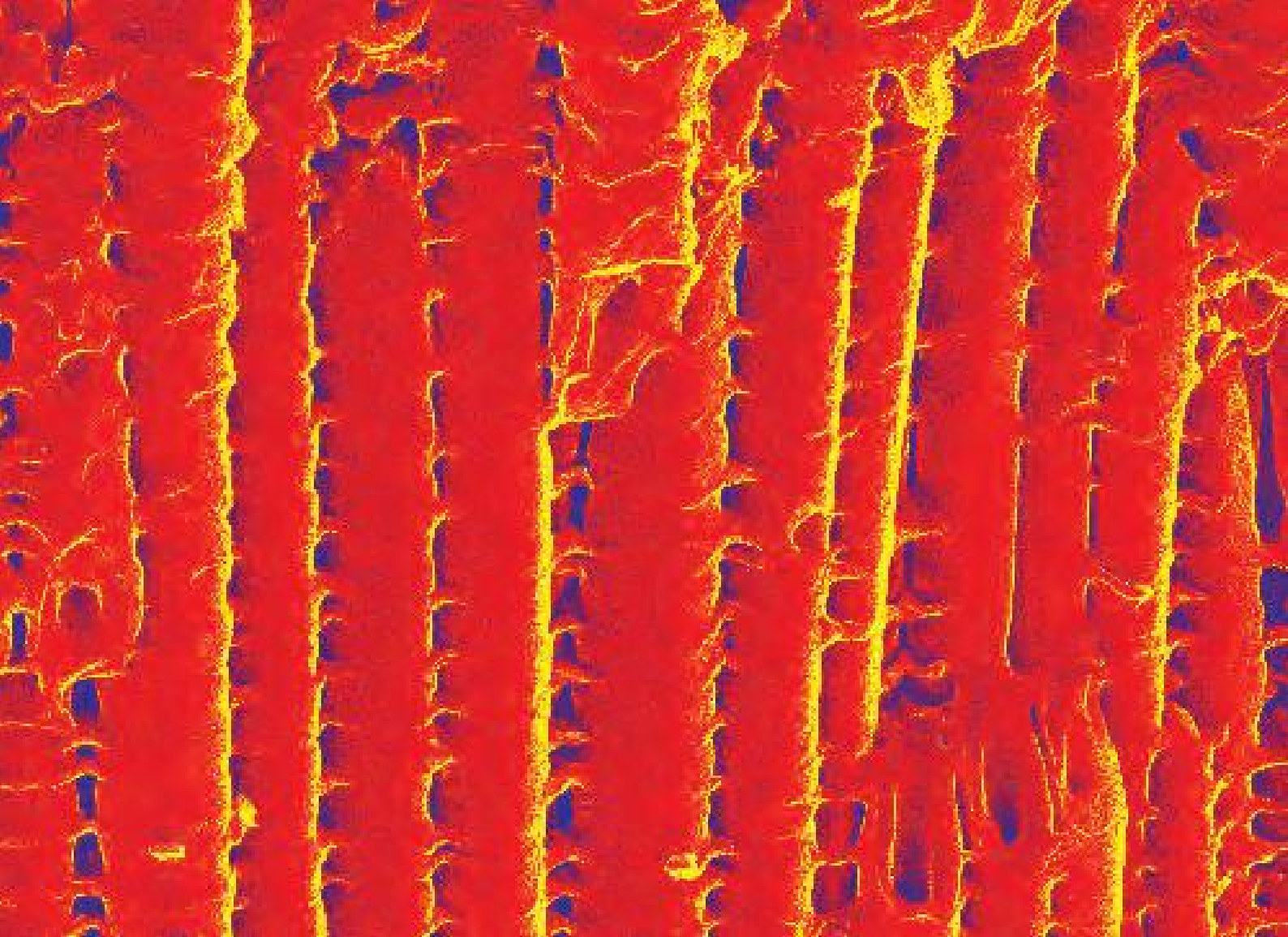
DIVISION OF BIOLOGICAL AND LIFE SCIENCES

The Division's faculty are engaged in research projects spanning nanotechnology, stem cells and miRNA regulation, cancer biology, materials science and drug delivery, molecular parasitology, protein chemistry, toxicology, bioinformatics, ecology and evolutionary biology. The laboratories are equipped with some of the latest state-of-the-art equipment, including tissue and microbial culture facilities, transmission and scanning electron microscopes, live organism facilities, and fly houses.
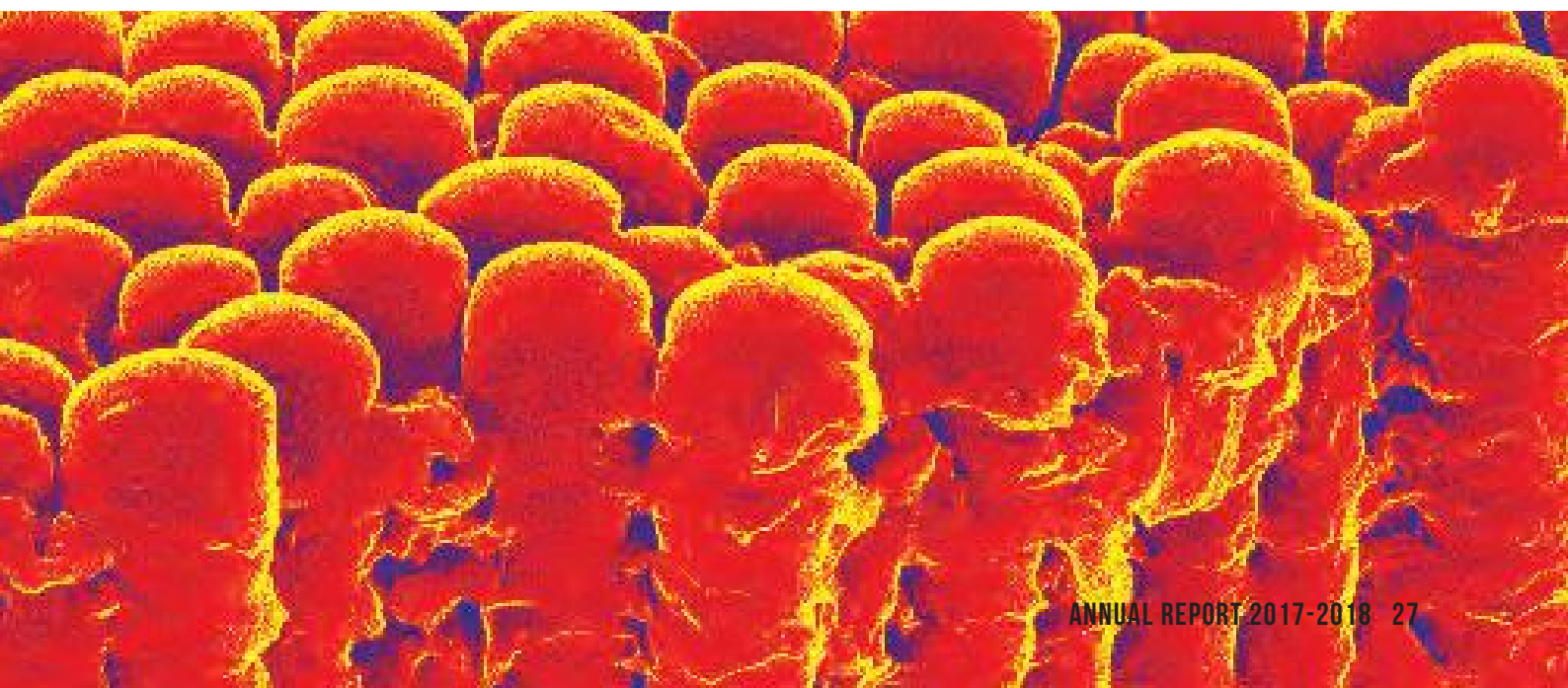
FACULTY ACHIEVEMENTS

Sanjay Singh, Associate Professor, has been commended for his research work with the Chairman's Award for Research at Ahmedabad. He was awarded this honour at the Ahmedabad University Foundation Day on 26th February 2018.

Patrick French, Dean of the School of Arts and Sciences, was made a member of Emmanuel College, Cambridge, one of the oldest colleges at Cambridge University in the UK.

STUDENTS ACHIEVEMENTS

Fourth and fifth year students of the Integrated MSc programme - **Bhavya Mod, Ruchit Patel, Vaidehi Shah and Nirali Desai** - secured the prize for best product presentation at the "National Life Science Entrepreneurship Awareness Programme" under BREC - BIRAC Regional Entrepreneurship Centre, established at C-CAMP at IIM Ahmedabad on 16th March 2018.

PLACEMENTS

Students of the Integrated MSc batch of 2019 got an opportunity to do their summer internships with **Cadila Pharmaceuticals Limited, Ahmedabad.**

Several Graduating students from the Integrated MSc programme have been selected for a one year dissertation at **CSIR-Indian Institute of Toxicology Research, Lucknow.**

WORKSHOPS

Chiasma 2018: For the annual workshop organised by the iMSc students, undergraduate and graduate students from across the state were invited to come and utilise the School's laboratories. The idea was to give students' exposure to state-of-the-art research infrastructure that they would not normally be able to access. This year, the central themes of the workshop were the visualisation of biological samples (using electron and fluorescence microscopes), cell culture and metaphase plating, the analysis of proteins and bioinformatics.

FIELD VISITS

- **Field Trip to Thol Bird Sanctuary and Indroda Park:** In an initiative taken by Professors Shahil Shah and Summy Yadav, students were taken to Thol Bird Sanctuary and Indroda Park. The idea behind the excursion was to help students implement some of the knowledge they had acquired in the classroom. During the course of their trip, they were involved in gathering information about the ecological balance of plants and animals, and the various symbiotic relationships between them. They also studied migratory birds and their patterns of flight.

- **Anand Agricultural University:** A batch of fifty students from the second year Integrated MSc programme were taken on an educational field trip to Anand Agricultural University in March 2018. The excursion was a part of the students' Environmental Science class and it gave students an opportunity to visit a number of the Agricultural University's facilities and talk to people in agro-business, crop production and secondary metabolite production from medicinal plants.

EVENTS

Chiasma 2018 Cultural Events: Apart from the rigorous academic modules, 'Chiasma' is a platform that affords an opportunity for students from a variety of institutions to interact, exchange ideas and showcase their extra-curricular talents. This year the cultural events for 'Chiasma' involved competitions in the fields of dramatics, dance, film, photography, music, debating and creative writing. There were also treasure hunts, crosswords, a rock concert, a stand-up comedy night and a food festival organised as a part of 'Chiasma'.

STEM 2018: STEM 2018 was the 14th Annual Meeting of the Society of Regenerative Medicine and Tissue Engineering which was hosted by Ahmedabad University on 31st January 2018. The one-day conference was attended by over 110 students, and its programme consisted of six speakers from India and one from the United States.

GUEST LECTURES

Devdutt Pattanaik, Mythologist and Author, "The Indic Worldview" in a conversation with Professor Patrick French, 10th January 2018.

Maya Jasanoff, Coolidge Professor of History at Harvard University, her work on Polish-British writer Joseph Conrad in a conversation with Professor Patrick French, 28th February 2018.

Vinay Sitapati, Ashoka University, "How PV Narsimha Rao Transformed India", 14th March 2018.

GRANTS

Name: Subhash Rajpurohit
Grant for: "Organismal Responses to Climate Change"
Grant Awarded by: Ahmedabad University

Name: Souvik Sen Gupta
Grant for: "A Rational Approach towards Development of Novel Anti-leishmanial therapeutics"
Grant Awarded by: Ahmedabad University

Name: Sanjay Singh
Grant for: "Use of antioxidant nanozymes for abrogating the harmful effects of pesticides in hepatocyte cell culture model system"
Grant Awarded by: Ahmedabad University

Names: Ashutosh Kumar (PI), Ajay Karakoti (Co PI)
Grant for: "Nanosensors for the Detection of Food Adulterants and Contaminants"
Grant Awarded by: Science and Engineering Research Board, Department of Science and Technology

Name: Ritesh Shukla
Grant for: "Design and development of multiplex assay integrated nanodevice for rapid 'on field' identification of body fluids"
Grant Awarded by: Early Career Research Award the Science and Engineering Research Board, Department of Science and Technology

RESEARCH SEMINAR SERIES

Aditi Deo, Indian Institute of Science Education and Research, "Vernacular Music and its Publics: Exploring the Political Dimensions of Sounds and Technologies in Bikaner", 7th April 2017.

Aparajita Basu, University of Berkeley, "The True, the Good and the Beautiful: Idealising Japanese Femininity in the Debate about Women's Education in India, 1900-1915", 25th April 2017.

Ashwin Pande, NISER (School of Mathematical Sciences), "Topological T-Duality for Three-Manifolds", 5th June 2017.

Baskaran Thyagarajan, University of Wyoming, "Light at the end of a long dark tunnel", 2nd September 2017.

Gangeya Mukherjee and Manish Dutt, Ahmedabad University, "Co-operation and its presence across dimensions of life and in politics" (as part of "Intersections" series), on 16th March 2018.

Karthik Rao Cavale, Massachusetts Institute of Technology, "The Art of Buying Time: Street Vendor Politics and Legal Mobilisation in Metropolitan India", 26th July 2017.

Keita Omi, University of Utah, the "Theory of Secrecy: A Cross-presidential Study of US Presidential Decision Directives", 12th March 2017.

Leya Mathew, University of Pennsylvania, "Unsettling middle class India: Aspiration, Gender and English in a new consumer society", March 13th 2018.

Manomohini Dutta, The University of Texas at Austin, "Upakāra: The Theory of Spiritual Service and Women's Inheritance in the Dāyabhāga", 6th June 2017.

Mary Ann Chacko, Columbia University, "Learning to Govern: Student Police Cadets and the Making of Democratic Citizens in Kerala, India", 31st May 2017.

Rahul Sagar, New York University, Abu Dhabi, "The Future of Hindu nationalism", 19th March 2018.

Samrat Mukhopadhyay, Indian Institute of Science Education and Research Mohali, "Protein Misfolding in Health and Diseases", 21st March 2018.

Samuel Wright, University of Toronto, "Scholar Networks in Early Colonial India", 19th December 2017.

Satyajit Rath, Agharkar Research Institute Pune, "Immune Lessons from Biological Noise", 21st February 2018.

Subhash C Lakhotia, Banaras Hindu University, "Ayurvedic Amalaki Rasayana and Rasa-Sindoor as strong suppressors of neurodegeneration in polyQ and Alzheimer's disorders", 17th January 2018.

PUBLISHED BOOKS

Ramnath, A. (2017). The Birth of an Indian Profession: Engineers, Industry, and the State, 1900-47. Delhi: Oxford University Press

Kumar, A., Dobrovolsky, V., Dhawan, A. & Shanker, R. (Eds.) (2017). Mutagenicity: Assays and Applications. Germany: Elsevier - Academic Press

Kumar, A., Singh, S., Dhawan, A., & Shanker, R. (Eds.) (2018). Nanobiotechnology: Human Health and the Environment. United Kingdom: CRC Press

CHAPTERS IN BOOKS

Deo, A. (2017). India: Modern and Contemporary Performance Practice. In J. Sturman (Ed.) Music and Culture (47 - 64), USA: SAGE Publications

Deo, A. (2017). Traditional Music in Technological Networks: Questions of Commons, Property and Belonging. In G. Born (Ed.) Global Remix (110 - 142), USA: Duke University Press

Deo, A. (2017). Orality in the Aural Public Sphere: Digital Archiving of Vernacular Music in North India. In G. Born (Ed.) Digital Musics: A Global Anthropology (33 - 52), USA: Duke University Press

French, P. (2018). On The Ground: The Unfolding of the 2014 General Election Campaign. In I. Ahmad (Ed.) The 2014 General Election (81 - 124), United Kingdom: Oxford University Press

Kumar, A., Gupta, G., Shanker, R., & Dhawan, A. (2017). Impact of nanomaterials on the aquatic food chain. In S. Ranjan, N.Dasgupta, & E. Lichtfouse (Eds.) Nanoscience in Food and Agriculture Volume 5 (309 - 334), Springer International: Switzerland

Kumar, A., Singh, S., Dhawan, A., & Shanker, R. (2017). Nanotoxicology: Challenges for Biologists. In A. Dhawan, D. Anderson & R. Shanker (Eds.) Nanotoxicology: Experiments and computational perspectives, (39-93), United Kingdom: Royal Society of Chemistry

Kumar, A., Senpati, V.A., & Dhawan, A. (2017). Protocols for In vitro and In vivo Toxicity Assessment of Engineered Nanoparticles. In A. Dhawan, D. Anderson & R. Shanker (Eds.) Nanotoxicology: Experiments and computational perspectives, (39-93), United Kingdom: Royal Society of Chemistry

Sen Gupta, S. & Kansara, K (2018). DNA Damage, Repair, and Maintenance of Telomere Length: Role of Nutritional Supplements. In A. Kumar, V. N. Dobrovolsky, A. Dhawan, & R. Shanker (Eds.) Mutagenicity: Assays and Applications (292-325), Germany: Elsevier - Academic Press

Singh, S. (2018). Factors Affecting the Toxicity of Engineered Nanomaterials: Interference and Limitations of In Vitro Assays. In V. Kumar & N. Dasgupta (Eds.Nanotoxicology: Toxicity Evaluation, Risk Assessment and Management (94-132), United Kingdom: CRC Press

Singh, S. (2017). Gold Nanoparticle-Based Methods for Detection of Oxidative Stress Biomarkers. In P. Maurya & C. Kumar (Eds.) Oxidative Stress: Diagnostic Methods and Applications in Medical Science (65-95), USA: Springer Nature

Singh, S. & Singh, R. (2018). Strategies for conjugation of biomolecules to nanomaterials for efficient drug delivery. In A. Kumar, S. Singh, A. Dhawan & R. Shanker (Eds.) Nanobiotechnology: Human Health and the Environment (51-88), United Kingdom: CRC Press

Singh, S. (2017). Synthesis of Nanoparticles for Biomedical Applications. In A. Dhawan, D. Anderson & R. Shanker (Eds.) Nanotoxicology: Experiments and computational perspectives, (39-93), United Kingdom: Royal Society of Chemistry

JOURNAL ARTICLES

Ramnath, A. (2018). Book review: Ross Bassett, The Technological Indian. Studies in History, 34(2), 212-215

Kumar, A., Gupta, G.S., Senpati, V.A. et al. (2017). Laboratory scale microbial food chain to study bioaccumulation, biomagnification and ecotoxicity of cadmium telluride quantum dots. Environmental Science & Technology, 51 (3), 1695-1706

Kumar, A., Gupta, G.S., Senpati, V.A. et al. (2017). Zinc oxide nanoparticle induced age dependent immunotoxicity in BALB/c mice. Toxicology Research, 6 (1), 342-352

Shukla, R. (2018). An Introduction to the Single Cell Gel Electrophoresis Assay: A Technique Resolving Issues in Forensic Science. Egyptian Journal of Forensic Science, 8 (1), 1-7

Shukla, R. (2017). Forensic Application of Comet Assay: An Emerging Technique. Forensic Sciences Research, 2 (4), 180-184

Shukla, R., Dave, H., Mod, B. et al. (2018). Multifunctional silver-cellulose nanocomposite as a promising plasmonic sensing platform. Journal of Nanoscience and Nanotechnology, 18 (8), 5461-5469

Shukla, R., Lodha, A.S. & Das, S. (2017). Stature from Footprint: A Study on Central Indian Population. European Journal of Forensic Sciences, 4 (2), 11-19

Shukla, R., Osman, I.F., Najafzadeh, M. et al. (2018). TiO2 NPs induce DNA damage in lymphocytes from healthy individuals and patients with respiratory disease - An Ex Vivo/In Vitro Study. Journal of Nanoscience and Nanotechnology, 18 (1), 544-555

Shukla, R., Zegota, M., Sharma, V. et al (2017). Titanium dioxide nanoparticles induce DNA damage in peripheral blood lymphocytes from Polyposis coli, colon cancer patients and healthy individuals: An Ex Vivo/In vitro Study. Journal of Nanoscience and Nanotechnology, 17 (12), 9274–9285

Singh, R., Tay, Y., & Sankaran, K. (2017). Causal role of trust in interpersonal attraction from attitude similarity. Journal of Social and Personal Relationships, 34 (5), 717-731

Singh, R., Lim, H. K., Sankaran, K., & Bhullar, N. (2018). Punishing an 'unfair' leader: People as pragmatic politicians with in-group but fair-but-biased prosecutors with out-group. IIMB Management Review, 30 (1), 77-90

Singh, S., Rather, H. A., Singh, R. et al (2017). Antioxidative study of Cerium Oxide nanoparticle functionalised PCL-Gelatin electrospun fibers for wound healing application. Bioactive Materials, 3 (2), 201-211

Singh, S., Karakoti, A., & Vallabani, N.V.S (2017). ATP Catalyzed Peroxidase Mimetic Activity of Fe3O4 Nanoparticles at Physiological pH. Colloids and Surfaces B: Biointerfaces, 153 (1), 52-60

Singh, S. (2017). Glucose decorated gold nanoclusters: A membrane potentialindependent fluorescence probe for rapid identification of cancer cellsexpressing Glut receptors. Colloids and Surfaces B: Biointerfaces, 155 (1), 25-34

Singh, S., Karakoti, A., Bowden, M. et al (2017). Gold core/ceria shell-based redox active nanozyme mimicking the biological multienzyme complex phenomenon. Journal of Colloid and Interface Science, 513 (1), 831-842

Singh, S., Gowda, R., Kardos, G. et al. (2017). Nanoparticle-based Celecoxib and Plumbagin for the Synergistic Treatment of Melanoma. Molecular Cancer Therapeutics, 16 (2), 440-452

Singh, S., Karakoti, A., Shah, J. et al. (2017). Phosphate-dependent modulation of antibacterial strategy: a redox state-controlled toxicity of cerium oxide nanoparticles, Bulletin of Materials Science, 40 (6), 1231–1240

Singh, S. (2017) Catalytically Active Nanomaterials: Artificial Enzymes of Next Generation. Nanosci Technol, 5 (1), 1-6

Rajpurohit, S., Zhao, X., & Schmidt, P.S. (2017). A resource on latitudinal and altitudinal clines of ecologically relevant phenotypes of the Indian Drosophila populations. Scientific Data –Nature, 1 (1), 60-77

Rajpurohit S., Etges, W.J., de Oliveira, C.C., & Gibbs, A.G. (2017). Effects of temperature on transcriptome and cuticular hydrocarbon expression in ecologically differentiated populations of desert. Ecology & Evolution, 7 (1), 619-637

Rangarajan, R., Arya, R., Dasgupta, A. et al. (2018). Revisiting CMB constraints on Warm Inflation. Journal of Cosmology and Astroparticle Physics, 43 (2), 01 - 23

Tanavde, V., Kuznetsov, V., Lane, E.B. (2017). EGF hijacks miR-198/FSTL1 wound-healing switch and steers a two-pronged pathway toward metastasis. J Exp Med, 214 (10), 2889-2900

Tanavde, V., Taye, B., Vaz, C. et al. (2017). Benchmarking selected computational gene network growing tools in context of virus-host interactions. Nature Scientific Reports, 7 (1), 6-20

Tanavde V., Pursani, V., Pethe, P. et al. (2017). Genetic and Epigenetic Profiling Reveals EZH2-mediated Down Regulation of OCT-4 Involves NR2F2 during Cardiac Differentiation of Human Embryonic Stem Cells. Nature Scientific Reports, 7 (1), 13-44

Tanavde, V., Guo, J., Lin, F. et al. (2017). NetLand: quantitative modeling and visualization of Waddington's epigenetic landscape using probabilistic potential. Bioinformatics, 33 (10), 1583-1585

CONFERENCE PRESENTATIONS

Ramnath, A. "Engineering and technology in colonial India". Conference on 'The Emergence of Modern Science in Colonial India', Indian National Science Academy, New Delhi, March 2018

Ramnath, A. "Race, Culture, and the Ideal Engineer: The Public Works Department in India, 1900-40". 6th SIETAR [India] International Conference, Society for Intercultural Education, Training & Research, Pune, February 2018

Singh, S. "Catalase mimetic CeNPs protect human hepatocytes from 3-AT induced oxidative stress", International conference on NanoTechnology in Energy, Nano-bio interface & Sustainable Environment (INTENSE-2017), Amity University, Jaipur, August 2017

Singh, S. & Asal, R. "Development of liposome-based antioxidant nanoconstruct for efficient delivery of PTEN plasmids", International conference on NanoTechnology in Energy Nano-bio interface & Sustainable Environment (INTENSE-2017), Amity University, Jaipur, August 2017

Shukla, R., Gupta, S., Iyer, R., et al. "Genotoxicity Assessment of Kestle Meyer Test Reagent in Blood Sample", INFORSECON (International Forensic Science and Cyber Security Conference), Gujarat Forensic Sciences University, Gandhinagar, October 2017

Shukla, R. "Single Cell Gel Electrophoresis Assay: An Emerging Method in the Field of Forensic Biotechnology", INFORSECON (International Forensic Science and Cyber Security Conference), Gujarat Forensic Sciences University, Gandhinagar, October 2017

Shukla, R., Kansara, K., Gupta,S., & Iyer, R. "Comet Assay- A new molecular method of age estimation of blood stain", 24th All India Forensic Science Conference, DFS Under Home Ministry GOI, Raksha Shakti University and Gujarat University, Ahmedabad, February 2018

Shukla, R., Dave, H., & Shah, N. "New presumptive test for blood detection", 24th All India Forensic Science Conference, DFS Under Home Ministry GOI, Raksha Shakti University and Gujarat University, Ahmedabad, February 2018

Shukla, R., Iyer, R., Bhandari, N. et al. "TMB blood presumptive test reagents induce DNA degradation using single gel electrophoresis assay - A new molecular approach to access fate of DNA", 24th All India Forensic Science Conference, DFS Under Home Ministry GOI, Raksha Shakti University and Gujarat University, Ahmedabad, February 2018

Singh, R. "Psychology in National Development", Keynote speech at the 53rd Annual Conference of the Indian Academy of Applied Psychology, University of Pondicherry, Puducherry, February 2018

AHMEDABAD UNIVERSITY
School of Computer Studies

The School of Computer Studies has been one of the earliest and leading institutes for Computer Studies in Gujarat that imparts technological expertise with a focus on practical applications and finding innovative solutions to modern society's technical challenges and requirements. The strong application oriented curriculum and hands on approach to learning gives our students a contemporary and industry oriented skill set that prepares them for both, a career and higher education, with specialisations in Information Technology and Computing.

OVERVIEW

2018 marks the year where the School of Computer Studies will complete 19 years of existence. The institute shall now have more than 2600 alumni members with 16 batches of BCA Programme, 16 batches of MCA Programme and first batch of iMCA programme having graduated by the end of this year. Apart from a testament to its longevity, 2018 was also the year of new beginnings, as it saw a significant transition in leadership. In October 2017, after eighteen years of service, Bipin Mehta superannuated as the Associate Dean of the School of Computer Studies and Sanjay Chaudhary took over the responsibility.

The year has seen new impetus on a number of fronts. Our faculty have been gaining exposure to novel pedagogies and techniques with participation in seminars, conferences, faculty development programmes and short-term training programmes at renowned institutions. This has helped them design and offer two new ENABLE courses this year, alongside a host of popular electives. Throughout the year; students have participated in various academic, sports and extracurricular events and won a host of prizes. The placement of final year MCA students was commendable with a total of 39 students registering for placement, out of which 36 were placed in reputed IT firms.

PROGRAMMES

iMCA
INTEGRATED MASTERS IN COMPUTER APPLICATIONS

The integrated Masters in Computer Applications (iMCA) is a five-year programme that integrates Bachelor's in Computer Applications (BCA) and a Mater's in Computer Applications (MCA).

MCA
MASTERS IN COMPUTER APPLICATIONS

The Masters Programme in Computer Applications is a two-year, lateral entry programme for graduates who have completed BCA or BSc. The curriculum is contemporary, and industry oriented, with specialisations in current and emerging trends in IT and Computing.

FACULTY INVITATIONS

Heena Timani was invited to become a member of the Association for Computing Machinery-Women (ACM-W) India Council for the period July 2017 toJuly 2021. She was also elected as the Chairperson of the ACM-Ahmedabad Professional Chapter for the term July 2017 to July 2019.

Heena Timani was invited by Chitkara University, Chandigarh to Judge the National Level Hackathon organised by ACM-W Chapter of Chitkara University in association with ACM India and Oracle Academy in October 2017. She has also served as a reviewer in the preliminary rounds.

Heena Timani was invited by the Anita Borg Institute and ACM-W India council to serve as Programme Committee Member of Grace Hopper Celebration of India in November 2017.

Heena Timani was invited by ACM India Council to serve as an Organising Committee Member of its annual event in February 2018.

FACULTY HIGHLIGHTS

Vinay Vachharajani was awarded the "Significant Contribution Award" by the Computer Society of India for his work with their Ahmedabad Chapter.

STUDENTS ACHIEVEMENTS

Aaditya Khajanchi and Ghanshyam Dabhi, third-year students, won the quiz competition, while their classmate **Akshat Shah** won the Counterstrike tournament at the Tech Kaushalya festival.

Kaushal Khamar and Poras Vyas, third-year students, won first and second prize at the Codevilla competition in Ingenium festival of Ahmedabad University. **Chaitya Shah and Dev Doshi** secured the first place, and **Miraj Mehta** and **Archan Shah** secured the runners-up place in the Web Spin competition at the same festival.

Dhrumil Shah, second-year student, won the dance competition in Ahmedabad University's Youth festival. Group of **Jay Joshi, Bhavin Jain, Drashti Bhatt, Dhrumil Shah and Seena Patel** together received the award for the Best Skit in the same festival.

Jay Joshi and Poras Vyas, third-year students, won the group dance competition at IIM's Chaos Cultural Festival.

INDUSTRY VISITS

A group of 25 comprising third and fourth year students, visited the **3D Technology Institute in Bhaikaka Bhavan in Ahmedabad** on 25th October 2017.

Final year students Bhoomi Shah and Forum Dave went to Bangalore to attend the **Grace Hopper Conference (GHC)-2017**, in November 2017. They received scholarships from the Association of Computing-Machinery-Women (ACM-W) to be a part of this event. Major topics at the event included Big Data, Artificial Intelligence, Machine Learning, The Internet of Things, Block Chain Technology and Mobile Computing.

EVENTS

Emotions: A six-day cultural festival was organised by the School of Computer Studies between 5th and 10th March 2018. The festival comprised a number of different events viz. Quizzes, Antakshari, Rangoli, Creative Writing, Memory Games, Dum Charades, The Treasure Hunt, Memes Making, Counter Strike.

International Women's Day Celebration: A whole day event was organised on 31st March 2018 by the Association of Computing-Machinery-Women (ACM-W) Ahmedabad Chapter and the Google Developer Group Ahmedabad. Speakers at the event included Aditi Shukla Fozdar, Journalist and Independent Content Provider; Chitra Khatri, Software Engineer, Spec India Pvt. Ltd. and Bhakti Dudhara, Co-Founder and Chief Design Officer at Aubergine Solutions.

Software Maintenance Competition: Designed to inculcate awareness among students regarding the different kinds of tasks conducted in programming and software domain within the IT Industry, the School's Software Maintenance Competition was held on 27th September 2017. The competition was split into two tracks: Java and C/C++. In each case, a pre-coded piece of software was provided to the participants, which they had to modify and enhance as per user requirements.

PLACEMENTS

The MCA and iMCA classes of 2018 secured placements in reputed firms across multiple industries. Fifty eight companies participated in the placement process, with students getting recruited by organisations like **Indusa, Intech Systems, Infinium Solutions, Gateway Technolabs, Spec India, S&P Global**, among others.

GUEST LECTURES

Dr. Chandrashekhar Ranade, ENT Surgeon and Mind Mapper spoke on "Mind Mapping", 9th August 2017.

Nivedita Vani, Software Requirement Engineer, Aussizz Group, "Software Development Life Cycle" and "Wireframe Designing in Industry", 10th November 2017.

Sandeep Vasant, Assistant Academic Registrar and Assistant Professor, Ahmedabad University, "ERP Implementation: Challenges, Risks and Benefits", 14th March 2018.

WORKSHOPS

A number of students from the School got together to organise a one-day workshop on **Salesforce Cloud Computing** on 29th July 2017. Various members of the Salesforce Developers Group were invited as speakers, who gave hands-on training as well as, general introductions within the field of cloud computing.

Sponsored by Google and facilitated by the Ahmedabad Chapter of the Association for Computing Machinery and the Tata Consultancy Services, was the day long CSPathshala workshop on **"Bringing Computational Thinking to Schools – Training the Trainers"**, which was held on the 9th September 2017. The objective of the workshop was to discuss the various aspects of computational thinking and the best pedagogic practices for their instruction.

The School of Computer Studies hosted a workshop on **Making Dream Catchers**, which was organised the University's Fine Arts Club on 20th September, 2017.

Google Apps for Education Workshop was organised by the Association for Computing Machinery (ACM) on 7th October, 2017. The principle objective of the event was to showcase new Google Apps that might be used for educational purpose. Participants were given live demonstrations of using these apps for web-design and integration with Google Analytics.

The School of Computer Studies hosted a **Pot-Painting workshop**, organised by the university's Fine Arts Club on 8th November 2017.

GRANTS

Name: Aditya Patel
Project: "Analysis, Design and Prototype Development of ICT based Model for Clean India Mission"
Grant Awarded by: Gujarat Council on Science & Technology (GUJCOST), Dept. of Science & Technology (DST), Government of Gujarat.

PUBLISHED BOOKS

Vinay Vachharajani, (2017). "Numerical Analysis - A Programming Approach". First Edition, BPB Publication

CHAPTERS IN BOOKS

Naik, S. (2018). Ensuring Database and Location Transparency in Multiple Heterogeneous Distributed Databases, In Z Patel & S Gupta (Eds.), Future Internet Technologies and Trends., ICFITT 2017, USA: Springer

JOURNAL ARTICLES

Gajjar, K. & Patel, M. (2017). Computational Musicology for Raga Analysis in Indian Classical Music: A critical Review. International Journal of Computer Applications, 172 (9), 42-47

Naik, S. (2018). TIER: Table index evaluator and recommender - A proposed model to improve transaction performance in distributed heterogeneous database. 2017 International Conference on Soft Computing and its Engineering Applications, IEEE Explore, 1-8

Thanawala, P. & Pareek, J. (2018). MwTExt: automatic extraction of multi-word terms to generate compound concepts within ontology. International Journal of Information Technology, 10 (3), 303–311

Timani, H. & Pandya, M. (2017). Application of Bayesian Network for Customer Behaviour Analysis. International Journal of Innovation Research in Science Engineering and Technology, 6 (6), 11806-11813

Timani, H. & Pandya, M. (2017). Bayesian Networks Structure Learning Using Classification, International Journal of Computer Application and Management, 7 (11), 8-16

Vegda, H. & Modi, N. "Intrusion Detection in Wireless Network using BIOS and Motherboard Serial Number", International Journal of Computer Applications, (0975 – 8887) Vol. 164, No 6, pp 16-19, April 2017

CONFERENCE PRESENTATIONS

Raulji, J & Jatinderkumar, S., "Morphological Analyzer for Sanskrit Language", International Conference on the Journey of Indian Languages: Perspective on Culture and Society, BAOU-IGNOU Ahmedabad, October 2017

Timani, H., "Kidney Stone Data Analysis Using Various Machine learning and Analytical Tools", National Conference for Women in Statistics and Analytics, Savitribi Phule University, Pune, 2018

Naik S., "Ensuring Database and Location Transparency in Multiple Heterogeneous Distributed Databases", International Conference on Future Internet Technologies and Trends., ICFITT 2017, SVNIT, Surat, September 2017

Naik, S., "TIER: Table index evaluator and recommender - A proposed model to improve transaction performance in distributed heterogeneous database", International Conference on Soft Computing and its Engineering Applications icSoftComp 2017, Changa, December 2017

INVITED LECTURES

Patel, K. "The Objectives and Curriculum of CSPathshala", Inauguration of the Gujarat Pilot Project for ACM India in Sabarkantha District of Gujarat State, Idar, September 2017

Timani, H., "A case study on Use of Data Analytics by Netflix", Ahmedabad Management Association, Ahmedabad, November 2017

Timani, H., "Data Analytics", H.L. College of Commerce in association with ACM Ahmedabad Chapter, Ahmedabad, February 2018

Vachharajani, V., "Univariate and Bivariate Analysis", Knowledge Consortium of Gujarat (KCG), Ahmedabad, March 2018

The School of Engineering and Applied Science offers Undergraduate, Graduate and Doctoral programmes with a student-centric, pedagogy that emphasises on Project Based Learning. This approach instills an aptitude to solve complex problems in our students so that they remain strongly oriented towards design and innovation in everything they do.

OVERVIEW

The previous academic year saw significant developments at the School of Engineering and Applied Science (SEAS), with Professor Sunil Kale (previously at IIT Delhi) taking charge as the new dean. The year also marked the graduation of the first batch of both, the chemical and mechanical engineering, with commendable results and a satisfactory set of placements. The School was granted autonomy to admit 50% of students seeking admissions to BTech programmes on the basis of JEE All India Ranking and our opening cut-off in merit rank improved considerably in 2018.

In terms of other activities, SEAS welcomed four new faculty members in the areas of Mechanical Engineering, Computer Science and Chemical Engineering and strengthened its lab setup by obtaining new equipment for a number of its facilities. The curriculum was revised for all the three Undergraduate programmes, which was another step towards offering updated versions of the programmes in the next academic year. With further integration of project-based learning, 2018 saw a total of thirteen ENABLE courses being conducted by the School. SEAS also managed to secure 1 crores 20 lakhs INR in external funding in 2017-18 with five research projects spanning both, government and industry.

PROGRAMMES

BTech
BACHELOR OF TECHNOLOGY IN CHEMICAL ENGINEERING

The BTech in Chemical Engineering is a four-year, full-time programme that focuses on the current practices and needs of the Industry. The programme teaches and equips our students to solve real-world problems, like wastewater treatment, energy integration and industrial separations. It also offers a window to cutting-edge areas of Nanotechnology and Surface Science.

BTech
BACHELOR OF TECHNOLOGY IN INFORMATION AND COMMUNICATION TECHNOLOGY

The BTech in ICT is a four-year, full-time programme that integrates Computer Science, Communication and Signal Processing and Electronics. A salient feature of the programme is the training we impart in real-life product design. The school also offers a five-year, dual degree option that combines BTech and MTech degrees.

BTech
BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING

The BTech in Mechanical Engineering is a four-year, full-time programme that builds a foundation in Manufacturing, Machine Design, and engages with interdisciplinary areas such as Mechatronics (Mechanical Systems with Embedded Electronics).

MTech
MASTER OF TECHNOLOGY IN COMPUTER SCIENCES AND ENGINEERING

The MTech in CSE is a two-year, full-time programme with specialisation in Data Science and Analytics. The curriculum combines Computer Science, Applied Mathematics, Statistics, with business domains such as Finance, Marketing, Supply Chain, e-commerce, and Agriculture. The programme also facilitates one year of research and industry-based thesis work.

PhD
DOCTOR OF PHILOSOPHY

The Doctoral degree programme emphasises an interdisciplinary exposure to research. We offer PhDs in Information and Communication Technology (ICT) and Chemical Engineering (ChE). ICT covers the broad areas of Communication and Signal Processing, Computer Science and Engineering, VLSI systems whereas, ChE covers the areas of Applied Chemistry, and Chemical and Materials Engineering.

FACULTY HIGHLIGHTS

NVIDIA Corporation awarded GPU Quadro processors to **Sanjay Chaudhary and Ratnik Gandhi** for their computer intensive projects on "Big Data Analytics in Agriculture" and "Real-Time Face Recognition Systems".

NVIDIA Corporation awarded a GPU Quadro K5200 processor to **Mehul Raval** for his research projects in the domain of Machine Learning.

FACULTY INVITATIONS

Three of the School's faculty, **Mitaxi Mehta, Dharamashi Rabari and Srikrishnan Divakaran**, co-taught a series of courses for a semester at the Olin College of Engineering.

STUDENTS ACHIEVEMENTS

The last academic year saw Students at the School organising and managing various successful large scale activities. Ingenium 2018, for instance, had three thousand students from fifty one colleges participating in more than twenty seven competitions and events. Other such significant student-organised events included: **ProFest, IEEE Xtreme 11.0, Ingenious Hackathon 2018, and the First Lego League (FLL) competition.**

PLACEMENTS

This year, students managed to secure placements in several globally reputed companies like **Amazon, Aruba Networks, Maxxis Rubber, and Arvind Ltd.**

According to data, more and more students from the University every year are applying for higher studies and many are successfully getting admission into the world's leading universities. This year's list of institutions where our students went for higher studies included **Stanford University, Carnegie Mellon University, the Indian Institute of Management - Calcutta, and the Indian Institute of Technology - Madras, and the Birla Institute of Technology, Pilani.**

INDUSTRIAL VISITS

SKF Bearings: BTech Mechanical Engineering, 7th Semester, undertook a visit to the SKF bearing unit at Ahmedabad on 14th October 2017, which was coordinated by Professors Harshal Oza and Ajay Karakoti. Fifty two students participated in the visit organised as part of Material Science and Metallurgy. Students could get an opportunity to see all the heat treatment processes. They also witnessed high temperature annealing and Nitriding processes. A first-hand look and understanding of oil quenching was also given. This was followed by metrology of bearings.

Sahajanand Laser Technology: BTech Mechanical Engineering, 5th Semester, students visited Sahjanand Laser Technology Pvt. Ltd. on 4th November 2017. Fifty five students participated in the visit organised as a part of Advanced Machining Methods. Students could learn and physically observe the material processing with different types of laser systems. Students also witnessed the laser processing under a low power fiber laser (50 W) for cutting thin steel sheets as well as high power (7 kW) fiber laser for cutting steel sheets as thick as 15 cm. Professor Shashi Parkash and Mr. Vinay Patankar coordinated the visit.

Thermal Power Station, Wanakbori, Kheda, Gujarat: Students of BTech in Chemical and Mechanical Engineering, 3rd Semester, visited the Thermal Power Station at Wanakbori, Kheda on 4th November 2017. Fifty nine students participated in the visit organised as a part of the course on Power Plant and Mechanical Operations. The visit covered all the major operations points of the thermal power plant viz. coal station, furnace, boiler, high and low pressure steam turbines, cooling tower, control room and water treatment plant. The visit covered aspects of thermodynamics course, power plant and mechanical operation course.

Gujarat Refinery (IOCL), Vadodara, Gujarat: A Group of Thirty students of 4th Semester in Chemical Engineering visited Gujarat Refinery on 23rd March 2018. This visit began with an interaction where the overview of the plant was explained by a senior engineer of IOCL, followed by site visit to Catalytic Reforming Unit (CRU), Fluidised Catalytic Cracking Unit (FCCU) and Central Control facilities. The visit was supervised by Deepak Kunzru, Sridhar Dalai, Aditi Singhal, Shweta and Snigdha Khuntia.

RBD Engineers: Students of 3rd Semester Mechanical Engineering had a field visit coordinated by V. R. Iyer and Mr. Vinay Patankar to RBD Engineers on 21st April 2018. Twenty Nine students participated in the visit organised as a part of the course on Manufacturing Processes. The company has a wide network of clients spread all over the world (Rotork Gears (UK), EQI Ltd. (USA), Ashok Leyland, Mahindra, TATA Motors). The students were introduced to various types of operations and processes that are conducted at a foundry. They also observed various types of processes that follow after casting at a machine shop.

GRANTS

Name: Dhaval Patel
Grant for: "Cognitive Radio Enabled Vehicular Cyber-Physical System for Urban Area
Grant Awarded by: DST-ASEAN (Association of South East Asian Nations) collaborative R&D programme

Name: Dharmesh Varade
Grant for: "Solution Properties of Mixed Surfactant Systems"
Grant Awarded by: ITC Limited

Name: Mitaxi Mehta
Grant for: Project "An Iterated Symplectic Map for Understanding Hamiltonian Chaos"
Grant Awarded by: Science and Engineering Research Board (SERB)

Names: Sanjay Chaudhary and Mehul Raval
Grant for: "Developing Data Analytics Architecture"
Grant Awarded by: Department of Science and Technology

Names: Sanjay Chaudhary and Mehul Raval
Grant for: Project 'Developing Data Content Standards for Data Representation, Sharing and Interoperability (Soil, Forest and Surface Geological Map Data)'
Grant Awarded by: Department of Science and Technology

EVENTS

Ingenium 2018: The third Annual Technology Festival of Ahmedabad University was held between 16th and 18th of March 2018. The Ingenium festival this year had students participating from across the country and an unprecedented footfall of 3000 visitors. Ingenium Fest was inaugurated by Shri Sahadev Singh Rathi, Chief Engineer of Metro Link Express. It comprised 27 events and closed with a concert by the popular band "The Local Train".

Lego League Competition: The School trained students of Divine Child International School from 18th November 2017 to 21st January 2018 in the basics of physics, primary coding and co-ordinated project-work. Subsequently, these students were invited to Ahmedabad University to participate in the First Lego League (FLL) competition which was held to promote the interest of secondary and high school students in the domain of Robotics.

Ingenious Hackathon 2018: This year's Hackathon had nearly 150 participants from across Gujarat. It was a 30 hour "innovate and build" competition that required the participants to ideate and develop solutions to problems in the fields of IoT, Smart Cities, Blockchain, FinTech, Machine Learning, Artificial Intelligence and Data Sciences. The event was a collaboration between the Ingenium Techfest and the IEEE Student Branch of Ahmedabad University.

Student Exhibitions: As a commemoration of its project-based learning pedagogy, the School of Engineering and Applied Science decided to host 'Profest', an exhibition of student tech projects from across different batches and specialisations. It was held on Orientation Day, as a way to give the incoming classes a taste of the kind of work they were going to be doing. Similarly, in December 2017, Professors Pratik Trivedi and Anurag Lakhlani helped coordinate an exhibition of forty-eight student projects that emerged from the various ENABLE courses that were offered over the course of the year.

Udgam – Idea, Plan, Pitch v2.0: Organised by the Women in Engineering Affinity Group (WIE) of Ahmedabad University Students' Branch of IEEE, 'Udgam' was an entrepreneurial competition, which encouraged students to come up with innovative, effective and robust business plans.

Does Grey Matter? v4 and v5: This year saw two iterations of the flagship technology quiz organised by the student branch of iEEE. Hosted in November 2017 and March 2018 respectively, the two quizzes saw widespread participation from students across Gujarat state.

RESEARCH SEMINAR SERIES

Bharadwaj Satchidanandan, Texas A&M University, "Security of Cyber-Physical Systems", 16th January 2018.

Dipti Prasad Mukherjee, Indian Statistical Institute Kolkata, "Machine Learning for Computer Vision", 20th September 2017.

Kamal Lodaya, The Institute of Mathematical Sciences Chennai, "What happened in the last century? The origin of computer science", 12th March 2018.

P.A. Hassan, Homi Bhabha Atomic Research Centre Mumbai, "Modulating Self Assembly: from microstructure control to surface modifications", 16th August 2017.

S. Swaminathan, Indian Institute of Technology Delhi, "Mahabalipuram - Unfinished Poem in Stone", 14th March 2018.

Sumantra Dutta Roy, Indian Institute of Technology Delhi, "Unsupervised Learning: k-Means, Gaussian Mixtures and EM", 30th August 2017.

V. K. Aswal, Homi Bhabha Atomic Research Centre Mumbai, "Neutron Scattering for Characterisation of Nanostructured Materials", 21st March 2018.

WORKSHOPS

In collaboration with the Government's National Spatial Data Infrastructure (NSDI), the school organised a three-day workshop on **"Service-Oriented Architecture for Spatial Data Integration and Reasoning"**. The event saw participation from scientists across the country and covered wide ranging topics like Geographic Information Systems, Geospatial Analytics, Service Oriented Architecture, Knowledge Representation and Reasoning using Ontology, Image Processing and Machine Learning.

As a part of the DST-UKIERI research project, the school held a four-day faculty development programme on **"Advanced Wireless Communication using USRP/GNU Radio"**. The objective of this program was to provide an in-depth technical exposure of USRP and GNU Radio and their utilities in wireless research to the faculty members of engineering colleges, research scholars in wireless communication, post-graduate students and engineers.

A week long Summer School was organised in July on the topic of **"Learning in Data Science: Models, Algorithms and Tools"**. Catering to students, faculty and professionals from across the state, the module dealt with the latest advances in Artificial Intelligence, Machine Learning, Algorithms and Optimisation. It featured talks and lab exercises conducted by both, the School's professors and invited speakers who work in the Industry.

Held weekly on Saturdays and Sundays all through the month of May 2017, Pratik Padalia's **"Google Applied CS with Android"** workshop helped students who wanted to further explore Data Structures and Algorithms. They also learned to work their way around the Android Studio, integrating various libraries of Java to create applications that are not only creative and user-friendly, but also system-friendly in terms of speed, efficiency and reliability.

Organised by the University's student branch of iEEE and conducted by a team at the Electromech Cooperation, **"Amazon Web Services (AWS) Workshop"** was a one day workshop, which introduced participants to the basic idea behind AWS. It also provided a detailed walkthrough regarding the variety of tools and services present on the console and different ways of utilising the functionalities of these services.

Inaugurated by Professor Sanjay Chaudhary and conducted by three facilitators – Professors' Charmi Chokshi, Maitrey Mehta and Mayank Jobanputra from the school was a two-day workshop **"Google Machine Learning Crash Course"**. The workshop saw close to 50 participants and its aim was to explore the core concepts of Machine Learning with hands-on exercises designed by Google Engineers.

GUEST LECTURES

Asish Thaplyal, Deputy General Manager ONGC Ahmedabad, spoke on "Energy Scenario: Current situation and future prospects" on 1st November 2017.

Raksh Vir Jasra, Senior Vice President, Reliance Industries Limited, spoke on "Innovating in the Chemical Industry" on 25th October 2017.

Saurabh Srivastava, Research Scientist and Manager, Area Leader of Human Interactions and Experience Design Group, Conduent Labs- India, spoke on "An Agnostic Approach to Innovations" on 9th August 2017.

Vinod K. Mall (IPS), ADGP at Government of Gujarat spoke on "Composite Culture- Issues and Challenges" on 11th October 2017.

STUDENT RESEARCH

Mewada M., Zaveri M., & Lakhlani A. (2017) Estimating the Maximum Propagation Delay of 4-bit Ripple Carry Adder Using Reduced Input Transitions. In: B Kaushik., S., Dasgupta, V Singh (Eds) VLSI Design and Test. VDAT 2017. Communications in Computer and Information Science, 711. Singapore: Springer

PUBLISHED BOOKS

Bharti, A., Kundu, D., Rabari, D., & Banerjee, T. (2017). Phase Equilibria in Ionic Liquid Facilitated Liquid-Liquid Extractions, USA: CRC Press

Chaudhary, S., Somani, G. & Buyya, R. (Eds). (2017). Research Advances in Cloud Computing, Germany: Springer Nature

CHAPTERS IN BOOKS

Agravat, R. Raval, M.S. (2018). Deep Learning for Brain Tumor Segmentation. In N. Dey, A. Ashour, F. Shi, & V. E. Balas (Eds.), Soft Computing Based Medical Image Analysis, USA: Academic Press

Gandhi, R. (2017). Big data analytics in cloud a streaming approach. In S. Chaudhary, G. Somani & R. Buyya (Eds.), Research Advances in Cloud Computing, Germany: Springer Nature

Oza, H., Orlov, Y. & Spurgeon, S. (2017). A Unified Lyapunov Function for Finite Time Stabilization of Continuous and Variable Structure Systems with Resets. In Advances in Variable Structure Systems and Sliding Mode Control—Theory and Applications. Studies in Systems, Decision and Control Volume 115 (223–246), Germany: Springer

Patel, M., Chaudhary, S. & Garg, S. (2017). Performance Modeling and Optimization of Live Migration of Virtual Machines in Cloud Infrastructure. In S. Chaudhary, G. Somani & R. Buyya (Eds.), Research Advances in Cloud Computing (327 – 350), Germany: Springer Nature

Subramanian, V. & Varade, D. (2017). Self-healed Materials from Thermoplastic Polymer Composites. In Smart Polymer Nanocomposites (153 – 180), Germany: Springer-Verlag

JOURNAL PAPERS

Dhuria, M., Goswami, G., & Prasad, J. (2017). Extranatural Inflation Redux. Physical Review D, 96 (8)

Gautam, J.V., Prajapati, H.B., Dabhi, V.K., & Chaudhary, S. (2017). Empirical Study of Scheduling Algorithms. Hadoop MapReduce, Cybernetics and Information Technologies, 17 (1), 146-163

Goswami, G., Chakravarty, G.K., Mohanty, S., & Prasanna, A.R. (2017). Constraints on cosmological viscosity and selfinteracting dark matter from gravitational wave observations. Physical Review D, 95 (10), 18-35

Jatav, S., & Joshi, Y. M. (2017), Phase Behavior of Aqueous Suspension of Laponite: New Insights with Microscopic Evidence. Langmuir, 33 (9), 2370-2377

Joshi, V. B.,Raval M.S., & Kuribayashi, M. (2017). Reversible Data Hiding based Compressible Privacy Preserving System for Color Image. Multimedia Tools and Applications, 77 (13), 1 – 26

Shah, K., Bhagat, S., Varade, D., & Singh, S. (2018). Novel synthesis of polyoxyethylene cholesteryl ether coated Fe-Pt nanoalloys: A multifunctional and cytocompatible bimetallic alloy exhibiting intrinsic chemical catalysis and biological enzyme-like activities. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 553 (1), 50-57

Singhal, A., Gangwar, B.P., & Gayathry, J. M. (2017). CTAB modified large surface area Nanoporous Geopolymer with high adsorption capacity for copper ion removal. Applied Clay Science, 150 (1), 106-114

Lakshmi, MD., Rajput, G., Pandya, N., & Varade, D. (2018). Enhanced Foamability and Foam Stability of Polyoxyethylene Cholesteryl Ether in Occurrence of Ionic Surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 551 (1), 81-86

Padole, M., Gangwar, B., Pandey, A., et al (2017). Adsorption of C2 gases over CeO_2-based catalysts: Synergism of cationic sites and anionic vacancies. Physical Chemistry Chemical Physics, 19 (21), 14148-14159

Patel, R. A., Pithawala, K.A., Varade, D. & and Patel, M.R. (2017). Green Route Synthesis of Silver Nano Particles Using Leaf Extracts of Melaleuca leucadendra. International Journal of Applied and Pure Science and Agriculture, 3 (3), 48-56

Pithawala, N. A., Jain, B. K., & Varade, D. (2017). Glib Green Route Synthesis of Silver Nanoparticles Using Leaf Extracts of Crescentia Cujete L. and Its Bactericidal Activity. World Journal of Pharmacy And Pharmaceutical Sciences, 6 (11), 474-483

Varade, D. (2017). Novel Approach for the Preparation of Bimetallic Fe-Pt/ Clay Nanocomposite Material for Catalytic Application. Journal of Nanofluids, 6 (6), 1017-1020

Varade, D. (2017). Creation of Gold Nanoparticles by UV Photoactivation of Polyoxyethylene Cholesteryl Ether. Journal of Nanofluids, 6 (5), 982-985

CONFFERENCE PRESENTATIONS

Bhatt, H., Dutta, S., Banerjee, T., & Rabari, D. "Kinetic study of non-catalytic methane decomposition using quantum calculation". International Workshop on Introduction to Gaussian, New Delhi, 2017

Desai, A. & Chaudhary, S. "Distributed Decision Tree v.2.0", 2nd IEEE international workshop on Big Spatial Data in conjunction with IEEE International Conference on Big Data (Big Data), Boston, USA, 2017

Joshi, V.B., & Raval, M.S., "An Image Based Undetectable Steganographic Technique (ImUST)", 20th IEEE Wireless Personal Multimedia Communication 2017 (WPMC 17), Bali, Indonesia, December 2017

Khuntia, S., Majumder, S. K., & Ghosh, P., "Oxidation of Arsenic (III) in Ozone Assisted Microbubble System", 7th IWA Aspire Conference, Kuala Lumpur, September 2017

Kuribayashi, M., Joshi, V.B. & Raval, M.S., "Compression-Friendly Reversible Data Hiding for Privacy Protection". IEICE Enriched Multimedia (EMM 2017), Kagoshima, Japan, November 2017

Maunil Vyas, Dhaval Patel, and M. López-Benítez (2017), Artificial Neural Network Based Hybrid Spectrum Sensing Scheme for Cognitive Radio, 28th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 2017), October 8-13, 2017, Montreal, Canada

Mewada, M., Zaveri, M. & Lakhlani, A., "Estimating the Maximum Propagation Delay of 4-bit Ripple Carry Adder using Reduced Input Transitions". 21st VLSI Design and Test Symposium (VDAT-2017), IIT-R, Roorkee, July 2017

Panchal, M., Patel, D., & Chaudhary, S., "Spectrum Occupancy Classification Using SVM-Radial Basis Function". 12th Springer/ EAI International Conference on Cognitive Radio Oriented Wireless Networks (CROWNCOM 2017), Lisbon, September 2017

Prakash, S., & Kumar, S., "Dimensional control through process parameters in microchannel fabrication on PMMA with a CO2 laser". International Conference on Precision, Meso, Micro and Nano Machining (COPEN 10, 2017), IIT Madras, Chennai, December 2017

Shah P., Raval M.S., Pandya S., Chaudhary S., Laddha A., & Galiyawala H., "Description Based Person Identification: Use of Clothes Color and Type", National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics, IIT Mandi, Himachal Pradesh, December 2017

Shah, P., Hiremath, D. & Chaudhary, S., "Towards development of spark based agricultural information system including Geo-spatial data". 2nd IEEE international workshop on Big Spatial Data in conjunction with IEEE International Conference on Big Data (Big Data), Boston, December 2017

ARTICLES IN PERIODICALS, DAILIES, NEWSPAPERS AND ONLINE DATABASES

Gandhi, R., Rajgor, A., Updating Singular Value Decomposition for Rank One Matrix Perturbation. arXiv preprint arXiv:1707.08369, 2017

Gandhi, R., Raval, M.S., & Chaudhary, S., Pattern Discovery for Insider Threat. CSI Communications, 42 (2), pp. 31 - 33, May 2018

Patel, S., Kakadiya, A., Mehta, M., Derasari, R., Patel, R., & Ratnik Gandhi, Correlated discrete data generation using adversarial training. arXiv:1804.00925, 2017

INVITED LECTURES

Chaudhary, S., "M S Ramanujam Memorial Lecture", 32nd National Convention of Computer Engineers, hosted by Institution of Engineers (India), Gujarat State Centre, Ahmedabad, February 2018

Chaudhary, S., "Interactive Classrooms", Faculty Orientation Program, Pandit Deendayal Petroleum University, Gandhinagar, June 2017

Chaudhary, S., "Teaching Pedagogy", Faculty Induction Programme at Nirma University, June 2017

Patel, D., "Faculty Development Program on Wireless and Mobile communication", NITTTR-Central Government R C Technical – NITTR Centre, Ahmedabad, November 2017

Patel, D., "Artificial Neural Network Based Hybrid Spectrum Sensing Scheme for Cognitive Radio", IETE Ahmedabad Centre Foundation Day Celebration, Ahmedabad, October 2017

Patel, D, "A Workshop on Monte Carlo Simulations of Multiple Antenna Wireless System", Sarvajanic College of Engineering and Technology (SCET), Surat, August 2017

Raval, M., "Securing biometrics using data hiding techniques I and II", Parul University, Waghodia, Gujarat, October 2017

Raval, M., "Tutorial Data Driven Deep Learning Approach for Image Classification", College of Engineering, Pune, December, 2017

Raval, M., "Deep Learning Driven Image Classification", Short Term Training Program on Machine Learning and its Applications, BVM Engineering College, Anand, Gujarat, December 2017

Raval, M., "Brain Tumor Segmentation using Convolution Neural Network", Seminar on Machine Intelligence in Image Processing, DA-IICT Gandhinagar, February 2018

Varade, D., "Aqueous Foam Stabilized by Vesicles", University of Maryland, Baltimore, USA, June 2017

Varade, D., "Novel Catalytically Active and Thermally Stable Bimetallic Nanocrystals in the Presence of Clay", Shanghai Jiao Tong University, Shanghai, July 2017

Varade, D., "Nanostructured Materials: Wormlike Micelles Foams and Hydrogel", Shanghai Jiao Tong University, Shanghai, July 2017

AHMEDABAD UNIVERSITY

Centre for Heritage Management

Centre for Heritage Management is an academic centre that specialises in heritage studies and professional management of diverse heritage resources in India and beyond. This includes but is not limited to: monuments, crafts, museums, natural resources, tourism, urban development and intangible heritage like languages, music, customs, performing arts, among others.

OVERVIEW

The Centre for Heritage Management witnessed a number of significant events in the year that went by. We had our first batch of students in the Masters Programme successfully graduate, with all ten graduates finding work in multiple fields' viz. urban heritage management, historic research, art gallery curating, and crafts and community development amongst others. For the third-year in a row, our students have been selected for the highly prestigious and competitive US ICOMOS International Exchange Programme. In addition to this, the Centre held the inaugural edition of its International Conference on Heritage Management Education and Practice in July 2017. This conference, along with our proactive engagement at the ICOMOS International General Assembly in December 2017, as well as students and faculty engagement with the UNESCO Category 2 Centre on World Natural Heritage Management, have provided opportunities to connect the Centre's mission with the global heritage agenda.

Our relationship with Kutch as a regular learning site and as a community-based practical experience during the summer practicum has given some momentum to an integrated approach to Heritage Management – the Centre's flagship concept. Our student Leora Pezarkar's practicum engagement in Kutch has begun to take shape as a local community initiative on keeping heritage as an anchor for local development. This year saw institutional follow up between the Centre for Heritage Management and SSETU (an organisation working with gram panchayats in Kutch) to take this initiative to the next level.

PROGRAMME

MMS

MASTERS IN MANAGEMENT STUDIES IN HERITAGE MANAGEMENT

The Masters Programme in Management Studies (Heritage Management) is a first of its kind, two-year degree programme in India. The programme offers a mixed pedagogical approach, combining classroom experience with experiential learning. In addition to rigorous academic work, students also benefit from the Centre's Journal of Heritage Management, Annual International Conference and on-going projects.

CENTRE HIGHLIGHTS

In July 2017, the Centre organised the first edition of its annual **International Conference series on Heritage Management Education and Practice.** The conference saw close to 50 presentations representing 12 countries and a total of 120 participants.

STUDENTS ACHIEVEMENTS

First year student **Aanchal Mehta** was selected to participate in the US International Council on Monuments and Sites (ICOMOS) International Exchange Programme. So far, every batch of the Masters in Heritage Management has been represented in this prestigious and competitive Summer internship programme.

FIELD VISITS

First year students of the Masters in Heritage Management participated in the ICOMOS International General Assembly in New Delhi and then continued for a study visit at the Wildlife Institute of India, Dehradun. Apart from the focused immersion activities in Delhi and Dehradun, they also visited several heritage sites and museums in both cities.

First year students spent a week in different villages in Kutch in March 2017 as a part of their course 'community knowledge systems'.

Second year students conducted their thesis related fieldwork at various sites including Amritsar, Bhuj, Darjeeling, Taki (West Bengal), Varanasi, and various locations in Madhya Pradesh and Gujarat.

FACULTY INVITATIONS

Neel Kamal Chapagain was invited as a panelist by ICCROM (International Centre for the Study of Preservation of Cultural Property) based in Rome to participate in the International Forum on Asian Heritage in Daejeon, South Korea from 22nd to 28th October 2017.

CONSULTANCY PROJECTS

The Centre for Heritage Management signed a Memorandum of Understanding with the Madhya Pradesh Tourism Board (MPTB) in October 2017 to help the latter with capacity building in areas related to Heritage Tourism. The collaborations stems from the shared perspective that heritage can be managed on a sustainable basis with a connection to tourism opportunities; and that the tourism sector may also benefit by highlighting the unique heritage assets within the state.

GUEST LECTURES

Monisha Ahmed, Co-founder and Executive Director of the Ladakh Arts and Media Organisation, spoke on "Restoration and Adaptive Reuse in Leh Old Town on 7th March 2018.

RESEARCH SEMINAR SERIES

Anir Upadhyay, University of Sydney, spoke on "Interpreting Local Climatic Data" on 17th November 2017.

Rohit Jagyasua, Ritsumeikan University, spoke on "Managing our Heritage: Towards a Holistic Approach for Sustainable Development" on 6th July 2017.

Sara Ahmed, Adjunct Professor, Ahmedabad University, spoke on "Living Waters Museum: Visualising Narratives on Water Heritage, Cultures and Ecologies" on 8th November 2017.

EVENTS

Forum on Heritage Management Education at the ICOMOS International General Assembly: As a member of the International Council on Monuments and Sites (ICOMOS), the Centre organised a forum on Heritage Management Education at the 19th Triennial General Assembly of ICOMOS in New Delhi in December 2017. The work of the Centre's faculty and other academicians from India was featured along with the Heritage Management educational experiences from the World Heritage Centre, France; International Centre for the Study of Preservation of Cultural Property (ICCROM) based in Italy; the Getty Conservation Institute, USA; Tsukuba University, Japan and the National Technical University of Greece.

Shrenik Lalbhai Chair Annual Lecture: On 12th January 2018, the Centre for Heritage Management hosted the Annual Shrenik Lalbhai Chair lecture by Professor Howard Spodek, who spoke on "What do we do next? Building on Ahmedabad's UNESCO World Heritage Award".

Panel Discussion on Heritage and Education: As part of Sahapedia's month-long India Heritage Walk Festival, the Centre for Heritage Management organised a panel discussion on "Heritage and Education" on 28th February 2018. The session was moderated by Professor Patrick French, Dean of the School of Arts and Sciences. The panellists included Professor Ashoke Chatterjee, Advisor to the Centre for Heritage Management, Professor Jigna Desai, Area Chair for Conservation at CEPT University, Professor Gauri Bharat, Area Chair for History and Theory of Architecture at CEPT University, and Professor Neel Kamal Chapagain, Director of Centre for Heritage Management, Ahmedabad University.

Symposium on Heritage Studies: A symposium/workshop on Heritage Studies for Graduate students and young professionals was organised on 25th and 26th November 2017. It saw participants from all over India as well as Bangladesh and the aim of the event was to engage interested participants in the dual goals of sharing their understanding of the field, and learning what is happening in the larger context of heritage.

Ankahi: Students of the Masters Programme in Heritage Management organised an event titled 'Ankahi' (meaning: untold) at the Centre on 17th February 2018.

o The interactive event called for people to share, learn, interact and explore various ways of expressing and sharing heritage. The participants ranged from the children to senior citizens, and the discussion was followed by a cultural evening packed with poetry recitals, a Kathak dance performance, Classical Music, and documentary film screening.

Exhibit on the Sabarmati River: Second-year student Renu Mittal worked on the Sabarmati Memory Project as a part of the Cultural and Natural Landscapes module. This culminated in an exhibit that showcased a connection among the natural and cultural history, the landscape of the Sabarmati River and the city of Ahmedabad. The project utilised the medium of photographs, art works and oral narratives of local people about their memories and associations with the river.

BOOK CHAPTERS

Chapagain, N.K. (2018). TBI Nepal Initiative: Personal Reflections on a Post-Earthquake Volunteer Movement Concerning the Traditional Settlements. In Oriental Cultural Heritage Sites Protection Alliance (Ed.), The Cultural Heritage of Nepal, before, during and after the 2015 Earthquakes – Current and Future Challenges (64 – 77), Kathmandu: Vajra Books

JOURNAL ARTICLES

Chapagain, N. K. (2017). Bio-Cultural Landscapes: The Case of Kutch. Special edition of Context – Built, Living and Natural (released during the International Council on Monuments and Sites 2017 General Assembly), 153-159

Chapagain, N. K. (2017). Contextual Approach to the Question of Authenticity in Heritage Management and Tourism. Journal of Heritage Management, 1 (2), 160-169

Chapagain, N. K. (2017). Inscription of the Old City of Ahmedabad in the World Heritage List: Observations on the 41st Session of World Heritage Committee Meeting. Journal of Heritage Management, 2 (1), 89-93

Chapagain, N. K. (2017). Upper Mustang: A Cultural Landscape Framework. Special edition of Context – Built, Living and Natural (released during the International Council on Monuments and Sites 2017 General Assembly), 37-44

INVITED LECTURES

Chapagain, N. K. "Academic and Career Prospects in the Heritage Sector", ICOMOS India Youth Forum at the 19th International Triennial General Assembly, New Delhi, December 2017

CONFERENCE PRESENTATIONS

Chapagain, N.K. "Master's Degree Programme in Heritage Management at Ahmedabad University", UNESCO Asia Pacific Experts Meeting on Quality Standards for Higher Education for Cultural Resource Management, UNESCO, Bangkok, Thailand, November 2017

Chapagain, N.K. Panelist at ICCROM-CHA Asian Heritage Forum, Concluding Forum, Daejong, South Korea, October 2017

STUDENT PRACTICUM

Aayushi Maheshwari, pursued her practicum with UNESCO, New Delhi and was stationed at Darjeeling Himalayan Railways site office. She contributed to the preparation of a Comprehensive Conservation Management Plan and also reflected on the existing gap between different stakeholders through consultations and mapping

Bansari Ladia, assisted the Centre for Environment Education in designing the Heritage Walk for one of the areas in the Old City of Ahmedabad. Her reflections came in the form of bridging the gap between cultural and natural elements through reinterpreting the narratives

Gourav Mandloi, interested in working with the Craft sector, did his practicum with Banglanatak. com in Kolkata. He contributed to the organisation by collecting narratives about different crafts from the rural areas of Bengal

Kavin Shah critically examined the area of Marketing in Heritage. He was associated with The House of MG, Ahmedabad and studied the organisation's structure over the course of his practicum

Renu Mittal, whose interest lies in nature and indigenous knowledge systems, did her practicum with Satvik, Kutch. She spent most of her time in the field, following the traditional ways of farming in Kutch district. She helped Satvik conceptualise a Seed and Soil Museum

Richa Pandey, worked with National Center for Preservation Training and Technology (NCPTT), Natchitoches, USA which is a part of the country's National Parks Service. She helped the organisation in formulating a Restore Purpose website which aims to document restoration, infill and regeneration projects from around the world

Shaoni Pramanick worked with the Wildlife Institute of India. She contributed to the organisation by preparing various preliminary reports on Cultural Landscape sites in India

AHMEDABAD UNIVERSITY
Centre for Learning Futures

The Centre for Learning Futures (CLeF) designs and implements initiatives to support teaching and learning in 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 experimentation and pedagogic innovation as also platforms for integrating learner-centric technological solutions in higher education.

OVERVIEW

This academic year saw the Centre make progress along three key avenues. Reading and writing competencies of newly admitted students were improved through bridge courses organised in three phases between June and December, 2017. The bridge courses aimed to enhance the comprehension skills of learners through a rigorous reading and writing programme. These were followed by a course on "Academic Reading and Writing", which was offered as a core course to second semester Undergraduate students of the Management School and as an elective course to other Undergraduate programmes of the University. The course was experimental and focused on activity-centered pedagogy.

As a part of "Ethnography of Learning", the Centre for Learning Futures came up with a project proposal to document a wide range of pedagogical experiments at Ahmedabad University and elsewhere that focus on innovative and novel forms of learning. Along with providing a description of such experiments, the project also aims to create a repository of effective pedagogic experiments that can enrich the educational experiences of both students and instructors. In the process, CLeF will create an online Handbook of Learning containing digital tools to visualise and recreate the pedagogic experiments.

Finally, the Centre has completed working out the design for The Writing Studio, a consultancy service, which has been planned to be offered to students and faculty to get their term-papers, theses and research papers improved in terms of presentation, brevity and readability. This service will be offered free of cost to students and teachers of Ahmedabad University. The Writers' Workshop will engage with students to improve the quality of their written output, rather than offer a complete text-editing service.

EVENTS

Curriculum Consultation on Writing: On 15th February 2018, the Centre organised a Curriculum Consultation on Writing programme where Professor Sharmita Lahiri from IIT Gandhinagar, shared her experiences with various writing programmes from her current institution as well as the University of Houston.

WORKSHOPS

A two-day workshop was organised on 'Aligning curricular outcomes, pedagogy and evaluation' for the faculty of School of Arts and Sciences during 11th and 12th January 2018. The workshop was conducted by Professor Tejaswini Niranjana, Visiting Professor, School of Arts and Sciences and Chair Professor of Cultural Studies in Lingnan University, Hong Kong.

The Centre for Learning Futures conducted the Wikipedia Edit-a-thon workshop on 7th April 2017. Volunteers from Wikimedia India Foundation trained close to 500 students in contributing to and editing Wikipedia both, in English and Indian languages. Wiki-based writing and assessments have been integrated into course design from this year onwards.

NEW INITIATIVES

The Centre introduced novel Activity-based courses on Reading and Writing. For instance, students were exposed to writing in public platforms like Wikipedia where they could get instant feedback from across the globe.

The Centre collaborated with the University of Saskatchewan, Canada to deliver an elective course on Reading Literature across Cultures.

The Centre conceptualised and designed a new experimental course on "Semantics of Happiness".

The Centre conceptualised a research proposal on "Ethnography of Learning" to document a wide range of pedagogic experiments at Ahmedabad University and elsewhere that focus on innovative and novel forms of learning.

LEARNING INITIATIVES

ISP

INDEPENDENT STUDY PERIOD

The Independent Study Period (ISP) is a unique learning initiative in Ahmedabad University. First year students from all disciplines sign up from a range of ISP courses that are offered through the month of December, instead of the regular period. Faculty/ subject matter experts from across the country are invited to facilitate these courses. The formats of each of these courses range from block courses, studio-inspired experiential courses, perspective, skill building and field courses. Each course is rooted in a particular discipline but also cuts across various areas and specialisations to provide an interdisciplinary foray into new domains. This year ISP saw participation from almost 800 students and 50 faculty across more than 30 unique courses.

ISP COURSE LIST

The Art of Science and Math
• Manish Jain, Ravi Sinha, Anirban Dasgupta

Autonomy of Automobiles
• Ezenith Education

Beyond Pink and Blue: Re-imagining Masculinities and Femininities
• Saptam Patel

Biomimicry: When Biology Meets Design, Engineering and Business
• Prashant Dhawan, Seema Anand

Birds, Birds, Birds
• Punit Lalbhai

Bitter Taste of Sugar
• Manish Dutt

Clues Never Lie: 'Every Contact Leaves a Trace' Philosophy to Solve Crime
• Ritesh Shukla

Creating Meaningful Futures - An Introduction to Systems Thinking and Design
• Dinesh Korjan

Creative Writing
• Sanjay Chaudhary, Kirit Dhoodat, Bindu Bhatt, Chirag Trivedi, Harshad Trivedi, Ramesh Dave

Cycling in the City
• Sudhir Kumar Pandey

Design Thinking, Designing Thinking
• Anand Saboo, Aditya Bharadwaj

Digital Fabrication with 3D Printing
• Prem Sagar

Drone Development Programme
• Ezenith Education

Film Appreciation Course by FTII
• Pankaj Saxena, Munish Bhardwaj

Fold-Unfold-Refold: Making Thinking Visible
• Sudebi Thakurta

Food Choices and Environmental Sustainability
• Purvi Vyas

Gamestorming: Playing with Ideas, Stories, Perspectives and Design
• Sudebi Thakurta, Probal Banerjee

Human Centred Business Design
• Dhaval Shah

Investigating Normal: Adaptive and Assistive Technologies
• Sara Hendren

Mud to Mural: Play with Earth, Water and Fire
• Neelima Hasija

Networks and Behaviour through Themes of Fictional Art Works
• Siddhartha Saxena, Rushi Pandya

Neuromarketing
• Krishna Prasad Miyapuram

Relevance of Journalism in the Age of Social Media
• Shyam Parekh, Jumana Shah

Scenes from the History of Science:
Communicating Scientific Ideas through Comics
• Aparajith Ramnath, Anupam Arunachalam

Science of Making Instruments
• Srijan Deshpande

Sociology of Bazaars
• Abrar Ali Saiyed

The Puppet Lab
• Sourabh Phadke

The World of Science Fiction
• Tana Trivedi, Jaina Mehta, Ratnik Gandhi

Tinkering With Paper Circuits
• Prem Sagar

Gender, Violence, Justice
• Juhi Sidharth

Smart Cities and Building Future Leaders
• Manav Subodh, Ritu Singh

Cyber Security
• Kuntal Patel, Bipin Mehta

ENABLE

ENGAGEMENT AND APPLICATION BASED LEARNING & EDUCATION

Ahmedabad University has evolved a unique framework to facilitate learning by engaging with the context and environment so that these concepts can be applied to real world problems. A part of this has been introduced as "Engagement and Application Based Learning & Education", or "ENABLE", a special programme which offers innovatively designed university-wide courses open to all our students. The ENABLE courses are noteworthy for their "hands-on" and learner-centric approach, as well as the use of a number of alternative pedagogical techniques.

Over the last year, the ENABLE initiative has seen a surge in acceptance across the Schools amongst both faculty and students. This year we saw as many as 20 ENABLE courses being offered over two semesters with close to 1200 students enrolled within them.

Some highlights from the courses this year are:

*   In the course "Algorithmic Music Composition" students developed a program for the Algorithmic generation of musical phrases based on Raga rules. Another set developed a vocal training application that judges the pitch accuracy of the user's singing and a third group developed a mobile application that translates Hindustani notation into western staff notation.

*   As part of the course "Brand Management", students worked with startup 'light-speed mobility' in order to conduct market research, and help name and inaugurate the campaign for the launch of their new bike.

*   In the course "System Design for Societal Problems" students designed working models of an air quality monitoring system, adaptive traffic light control system (Software Model – Algorithm based) and a smart dustbin for segregating dry and wet waste.

COURSE LIST

Electronic System Design
• Ashok Ranade, Pratik Trivedi, Jaina Mehta

Advanced Wireless Communication
• Dhaval Patel

Internet of Things
• Anurag Lakhlani

Cloud Computing
• Sanjay Chaudhary

Computer Organisation
• Pratik Trivedi

Linear Algebra
• Ratnik Gandhi

Signals and Systems
• Mehul Raval

Strength of Materials
• Harshal Oza

Material Science and Metallurgy
• Ajay Karakoti

Circuit Characterization of VLSI Sub-System
• Mazad Zaveri

Machine Learning
• Mehul Raval

Algorithms and Optimization in Big Data Analysis
• Ratnik Gandhi

Embedded System Design
• Anurag Lakhlani

System Design for Societal Problems
• Aditya Patel, Jaideepsinh Raulji

Advanced Database Management System
• Kunjal Gajjar, Shefali Naik

COURSE LIST

ACTIVITIES

During the Orientation Week (held in July 2017), detailed hands-on sessions on ENABLE were conducted by the faculty members for all incoming first year students at the University.

A Panel Discussion on sustainability was organised during ISP called "No Plan B" on 20th December 2017. The panelists were Professor Priyadarshi Shukla, Professor Subhash Rajpurohit, Professor Minal Pathak, Mrs. Bijal Brahmbhatt (Self Employed Women's Association) and Mr. Punit Lalbhai (Arvind Group). The discussion was moderated by Professor Patrick French.

An Expo was organised from 3rd to 5th January 2018 for ISP courses which was attended by faculty, staff, students and parents.

Learning Coalition: To advance our own practice of project based learning and experiential learning courses, we set up our own collaborative workshop, The Learning Coalition. Learning requires establishment of a coalition between the learners and between the teacher and the learners for the class to succeed. A workshop for faculty members was conducted by Professors Mehul Raval, Dhaval Patel, Pratik Gandhi and Juhi Bansal on how to prepare for better learning experiences for our students.

The Learning Coalition was a one and a half day long collaborative experience to advance our own knowledge and practices of active pedagogies like ENABLE. In this hands-on workshop conducted on 7th and 14th March 2017, 27 faculty members from across Schools attended. In the workshop, the participants:

° Understood the need for creating a learning environment that increases engagement with students and motivates them to go beyond their own disciplines

° Designed project-based courses, new assessment approaches, and ENABLE based pedagogical experiences that are more hands on in nature

° Applied learning from the workshop to design experiences in individual context and courses

° Explored collaborations and interdisciplinary course design between faculty from different schools

The Global Centre for Environment and Energy addresses research needs at the interfaces of three vital global challenges - environment, energy and sustainability. The Centre aims to be a world leader in research and education to address global challenges through interlinking policy, entrepreneurship, science and technology. It draws on researchers, teachers, experts and students across the University and offers them the landscape to build core competencies to explore, innovate, integrate and solve complex social, technical and economic issues. The Centre hopes to offer opportunities for public-private partnership to develop sustainable environment and energy options for future generations.

OVERVIEW

Ahmedabad University launched Global Centre for Environment and Energy (GCEE) in December 2017 under the helm of Priyadarshi Shukla, formerly of IIM Ahmedabad. The Centre had an eventful first year, with several important collaborations and research projects being initiated. Minal Pathak joined GCEE as Senior Scientist under the Sub-Agreement with Imperial College London. In addition, a team of four members is engaged in various research activities of the Centre. The Centre actively collaborates with the Ministry of Environment Forests and Climate Change, Government of India and the Government of Gujarat. It is also in discussions with the Danish Technological University and Chalmers University, Sweden for the prospects of further collaborative activity.

Apart from this, GCEE team is engaged in high quality research work and contributes to key scientific reports prepared by the Intergovernmental Panel on Climate Change (IPCC) informing the international climate change negotiations.

The Centre also began its involvement with the University's educational front in 2017-18, having offered an elective course "Energy, Environment and Sustainability" for Undergraduate students. Seventy Three students pursuing Commerce and Management studies participated in it. This course covered key concepts, case studies and shared emerging solutions to challenges like climate change using a combination of lectures and innovative hands-on classroom exercises. As a part of this course, students took up twelve group projects to bring environmental sustainability to the University campus. In the coming year, the Centre plans to work with the School of Arts and Sciences to develop a unique Masters programme in Environmental Sustainability and Climate Change.

EVENTS

"No 'Plan B': Looking Through the Sustainability Lens" – was a panel discussion organised on 20th December 2017 that dealt with climate change in relation to how it would affect particular sectors like engineering, commerce, management and technology. The idea was to give the students of various disciplines, an understanding of what forces might shape the future of their fields and what potential measures could alleviate the problems that are likely to arise

1. **Punit Lalbhai**, Executive Director, Arvind Ltd.
2. **Bijal Brahmbhatt**, Director, Mahila Housing SEWA Trust.
3. **Professor P R Shukla**
4. **Professor Subhash Rajpurohit**
5. **Minal Pathak**, Visiting Researcher from Imperial College London

RESEARCH SEMINAR SERIES

Chad Staddon, University of the West of England, "Global Water Security as a Multi-disciplinary Challenge: The International Water Security Network", 12th February 2018. This seminar was jointly organised by CHM and GCEE.

Marcus Moench, Board of Directors, Institute for Social and Environmental Transition, spoke on "Emergent Solutions and Fundamental Challenges: Innovative Response to Sea-Level Rise and Heat in Urban Areas", 31st January 2018.

P R Shukla, "Sharing Atmosphere Sustainably: Aligning Justice and Efficiency in Global Climate Change Regime" 27th February 2018.

GRANTS

International grants: 2
Grant for: Conducting research and academic activities at GCEE
Grants Awarded by: Imperial College London and the IPCC through the World Meteorological Organisation, Geneva

CHAPTERS IN MONOGRAPHS AND BOOKS

Chaturvedi, V., Shukla, P.R. & Ganesan, K. (2017). A Perspective on the Cost of Nuclear Energy in Nandakumar Janardhanan. In G. Pant and R. Grover (Eds.) (187-209), Resurgence of Nuclear Power: Challenges and Opportunities for Asia, USA: Springer

Shukla P.R., Mittal S., Liu J.Y., Fujimori S., Dai H., & Zhang R. (2017). India INDC Assessment: Emission Gap between Pledged Target and 2 °C Target. In: S. Fujimori, M. Kainuma, & T. Masui (Eds) (113-124). Post-2020 Climate Action. Singapore: Springer Publications

Pathak, M. and Mahadevia, D. (2018). Urban Informality and Planning: Challenges to Mainstreaming Resilience in Indian Cities. In Y. Yamagata, & A. Sharif (Eds.) (49-66), USA: Springer

JOURNAL ARTICLES

Dhar, S., Pathak, M. & Shukla, P.R. (2018). Transformation of India's transport sector under global warming of 2 °C and 1.5 °C scenario. Journal of Cleaner Production, 172 (1), 417-427

Garg. A., Shukla, P.R., Kankal, B. & Mahapatra, D. (2017). CO_2 emission in India: trends and management at sectoral, sub-regional and plant levels. Carbon Management, 8 (2), 111-123

Garg, A., Shukla, P.R., Parihar, S. & Kankal, B. (2017). Cost-effective architecture of carbon capture and storage (CCS) grid in in India. International Journal Greenhouse Gas Control, 66 (1) 129-146

Mittal, S., Ahlgren, E.O., and Shukla, P.R. (2017). Barriers to biogas Dissemination in India: A review. Energy Policy, 112 (1), 361-370

Vishwanathan, S., Garg, A., Tiwari, V. and Shukla, P.R. (2018). India in 2 °C and well below 2°C worlds: Opportunities and challenges. Carbon Management, 9 (1), 1-21

CONFERENCE PRESENTATIONS & PARTICIPATIONS

Pathak, M. "Mainstreaming equitable mitigation transformation in India", International Conference on Cities and Climate Change Science, Edmonton Canada, March 2018

Pathak, M. conduced global webinars on "Training for IPCC Chapter Scientists" and "Training for Referencing Software Mendeley"

Shukla, P.R. participated in the IPCC Meeting on Special Report on 1.5 °C, France, March 2018

Shukla, P.R., Pathak, M. & Neogi, S. participated in IPCC Second Lead Author Meeting on Special Report on Climate Change and Land, New Zealand, March 2018

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's Association. Our students are provided in-depth education in physiotherapy and are trained to become computer literate. Their education is completely free, which includes tuition fees, and students are provided accommodation and food. The Programme ensures that students of this course become independent and are able to have a successful career and life. A Physiotherapy Clinic that provides treatment to people at nominal costs is also under the College.

OVERVIEW

This year saw the graduation of the 2016-2017 batch of the Diploma programme. A new batch of 23 students were enrolled into both, the Blind People's Association as well as the School for Deaf Mutes Society. Tablets were procured as study tools for first year students within the framework of a new government project. The past year also saw the addition of two new members to the College. A number of our students participated and won accolades in the Gujarat Government's Khel Mahakumbh sports competition.

PROGRAMME

DIPLOMA IN PHYSIOTHERAPY

The Diploma in Physiotherapy is a three-and-a-half years' course that includes a six-month compulsory internship. The curriculum incorporates most topics of Bachelor of Physiotherapy with very few exceptions like graphical reading and X-ray readings where clear vision is a must. Consciously no more than fifteen students are admitted in a class so that all students get access to one-to-one training. Being a para-medical curriculum, more emphasis is given to practical training over and above the theory curriculum.

STUDENTS ACHIEVEMENTS

Third year students **Modiya Sonal and Tanvi Mir** stood first in 100 metres running competitions at state and district levels respectively

Second year student **Kalasva Karan** stood first in district level 100 metres running

Second year student **Pagi Ravina** stood second in district level short-put

First year student **Prajapati Jalpa** stood first in district level short-put

First year student **Saurabh Patel** stood first in district level 100 metres running competition and second in district level short-put

Ahmedabad University Support Foundation, a Section 8 non-profit vehicle, also referred to as VentureStudio serves as a platform for innovation, offering entrepreneurs support from pre-incubation (Ideation and Formation) to incubation (Proof of Concept, Validation and Scale up Planning) and beyond (early growth, scale up funding facilitation). The platform is open to innovators and entrepreneurs across the nation and globally, and is a manifestation of the University's vision towards innovation and entrepreneurship. It is currently domain-agnostic and has incubated ventures across multiple sectors like health, education, energy, environment, agro, consumer product and transportation.

VentureStudio offers a six months fellowship programme for nurturing a startup for which academic credits can be earned. VentureStudio is an approved Technology Business Incubator (TBI) by the Department of Science and Technology, Government of India and runs the bio-incubator, BioNest, supported by the Department of Biotechnology, Government of India.

OVERVIEW

VentureStudio looks back at 2017-18 as a pivotal year where it improved its performance and standing as a premier startup incubator at a national level. Seventeen startups in multiple domains such as healthcare, energy, environment, animal husbandry were onboarded through the different NIDHI grants – NIDHI Prayas (grant for prototyping), NIDHI (Entrepreneur-in-Residence Fellowship) and NIDHI Seed Support Scheme (for product validation and commercialisation). Eight additional startups obtained pre-seed funding of Twenty lakhs INR each, through the Govt. of Gujarat Startup Scheme. Close to 40% of the VentureStudio's startups are in early revenue mode and more than 10 of our startups have received awards and honours for their innovative solutions. In addition, VentureStudio has been approved under the Student Startup & Innovation Policy through which over 90 early stage student projects were supported across multiple domains.

Activities and all round development ranging from incubatee onboarding, support, designing future incubation programmes, building partnerships in the ecosystem, initiating efforts to build infrastructure and facilities while also promoting activities and events related to entrepreneurship for the benefit of the startups and the community were undertaken in 2017-18.

VentureStudio was profiled by Financial Express in a special issue on `Startup India – Standup Gujarat' along with some of the Studio's upcoming startups. In addition, our startups Delta H, Biofics, Yhonk and EZee Braces were profiled in a special edition book 'Unleashing the Stars of Gujarat' – Tales of Technology, Innovation and Perseverance' published by the Industries & Mines Department, Government of Gujarat.

STARTUP HIGHLIGHTS

Zybra was awarded with Rising Star Award 2018 & Great User Experience Award 2018 Award by Finances Online and Budget Friendly Accounting Software 2018 Award by Software Suggests.

Lightspeed Bikes was featured in Tech in Asia among 5 rising startups in Bangalore.

Strauss Healthcare Private Limited was selected to present at the coveted Nasscom Product Conclave 2017 in Bangalore. Dr. Aakash Doshi, Co-founder, Strauss Healthcare Private Limited was selected as a Global Impact Scholar in Singularity at NASA Research Park.

Prayogik Technoligies was given an award for being one of the best start-ups working in Oil & Gas Industry in IITF-2017 (India International Trade Fair-2017). Prayogik also received two recognitions for the lightest solar vehicle ever made with the best design in Saur Urja Vehicle Challenge (SUVC) 2017-18. They have been selected for the final round of 100 crore INR ONGC Fund under Petroleum Ministry in 2017.

Delta H has applied for a patent for its flameless heating solutions for RTE food.

Diahappy received approval from Ethics Committee and RSSDI to conduct a clinical trial connected to obesity and diabetes and its relation to diet.

Wide Need was selected for a two months acceleration programme at Nexus Accelerator affiliated with the US embassy, New Delhi.

EZee Braces has won three accolades including, Indian Orthodontic Research Award, Indian Dental Association Award and the 3rd prize in the Medical Devices category from IKP Hyderabad. It has filed 2 Patents and one patent, which was for Movable Braces, was granted in December 2017. Ezee Braces product was featured in iCreate in January 2018, during the Honourable Prime Minister's visit.

EZee Braces, Delta H Solutions, Biofics, Yhonk were selected for showcasing their innovative products during India-Israel Innovation event inaugurated by the Honourable Prime Ministers' of India and Israel.

Porelab's R&D Unit in New York was awarded a 10-year TAX free status by New York Governor, Mr. Cuomo.

SolarFuel was selected for the Massachusetts Institute of Technology (MIT) Innovation and Entrepreneurship Bootcamp.

Vrizm is now recognised as Google Street View Trusted Agent and has reached 1 million views.

Vendaxo was selected as a partner by `MSME Global Mart', exclusively meant for MSMEs of India and developing countries to boost export, manufacturing, supply of machines (a National Small Industries Corporation Ltd initiative).

INVITATIONS

Srisunder Subramaniam was a special invitee member of FICCI Gujarat Startup Committee. He was also a Special Invitee Member of **CII Gujarat Startup Taskforce.**

Srisunder Subramaniam was a special invitee member of BioPharma Innovation Policy Round Table to provide feedback on BioPharma Innovation Policy Round Table organised by BRIC (BIRAC Regional Innovation Centre, BIRAC).

Srisunder Subramaniam was a special invitee member of State level Implementation Committee for Government of Gujarat Startup Policy

Srisunder Subramaniam was a special invitee to sub-group to draft Government of Gujarat standard operating procedures and guidelines for their Startup Policy. Member of sub-group to Government of Gujarat for providing input on DIPP ranking

GUEST LECTURES

Kirti Taneja, Biotechnology Industry Research Assistance Council (BIRAC) and C-CAMP Bangalore took two sessions on 12th July 2017 and 8th January 2018, respectively. They dealt with the BIRAC's support grants for innovative ideas in Biotechnology and the Life Sciences at the Proof of Concept Stage.

Manthan Shah, Matrix Partners investor, held an interactive session with potential start-ups for raising investment.

Venkatesh Iyer, Founder of Goli Vadapav, spoke on his entrepreneurial journey on 14th April 2017 .

Vivek Kapoor, Co-Founder of Dineout, spoke on "Start-up Journeys and Risks" on 9th May 2017 .
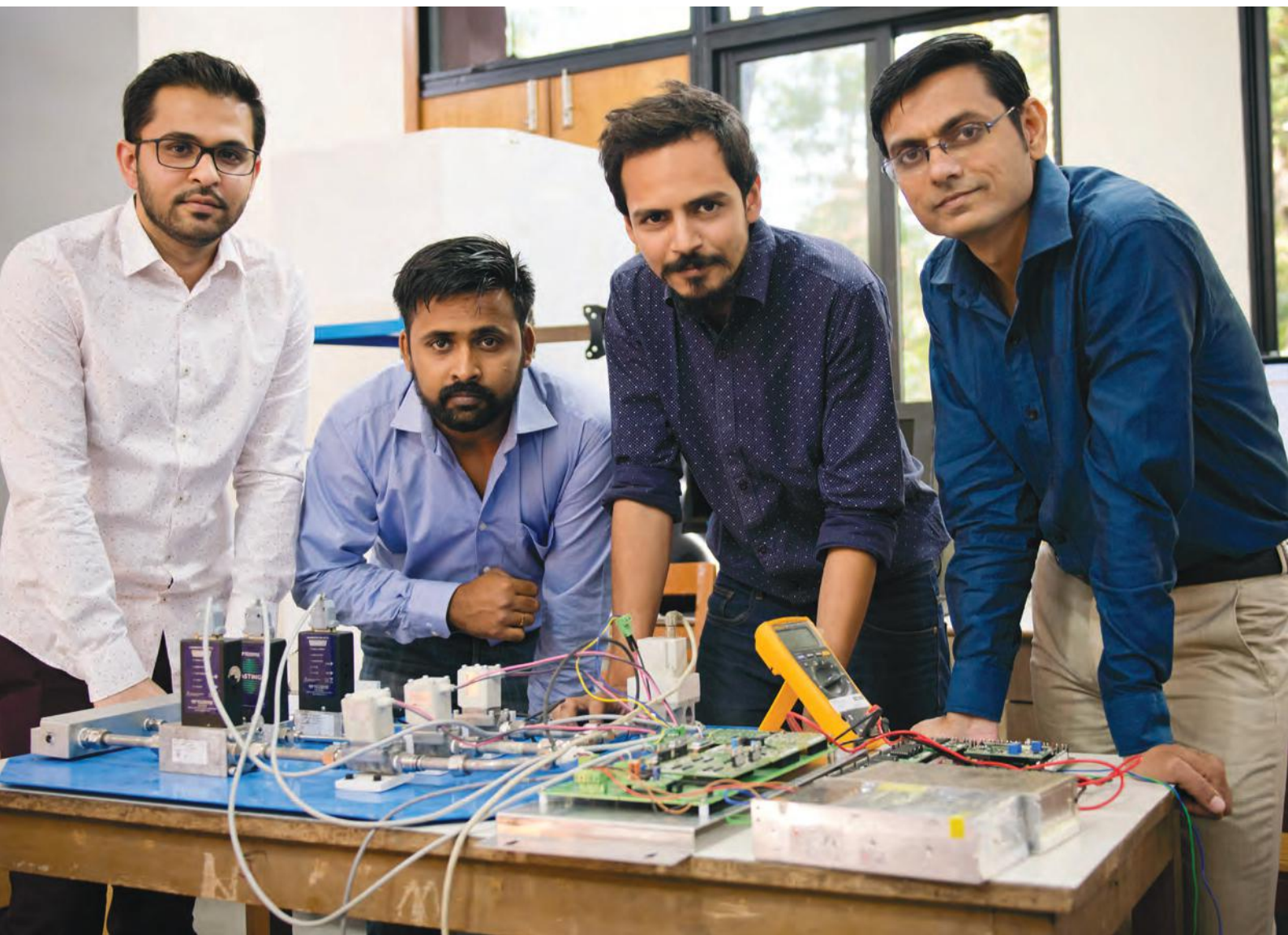
EVENTS

Hitcon 2018: VentureStudio partnered with Management Medicos (a high-profile doctor group) to organise Hitcon 2018: a Healthcare Tech Conference that was attended by more than 600 doctors. During the conference, the Studio also co-organised a BioMedical Innovation Event which saw more than 200 student participants from across the country.

India-Israel Innovation Event 2018: VentureStudio participated in the India Israel Innovation event organised on 17th January 2018 at iCreate Campus. This event was inaugurated by the Honourable Prime Ministers' of India and Israel along with other dignitaries. This event was held mainly for showcasing the Gujarat Startup ecosystem. Four startups from VentureStudio (EZee Braces, Yhonk, Delta H Solutions, Biofics) were selected to showcase their products at the event.

Hosting the Government of Gujarat Senior Officials: VentureStudio hosted senior officials as part of the officials visit to select incubators and interact with the startups funded by the Government of Gujarat Startup Policy. VentureStudio has fifteen startups approved by the Government of Gujarat.

Orientation session for the new cohort: VentureStudio organised its orientation session for the new cohort on 4th June 2018, featuring interactions with the extended ecosystem comprising faculty, investors and select service providers.

GRANTS

Grant Amount: 4.2 Crores INR over 5 years

Grant for: Supporting procurement of thrust and office equipment, provides resources for the operational expenses (both manpower and other expenses) and of the incubator and is one of the lifeline grants of the incubator

Grant Awarded by: Technology Business Incubator (TBI) Grant

(VentureStudio is an approved TBI by the Department of Science & Technology)

Grant Amount: 5.28 Crores INR funding from BIRAC

Grant for: Setting up a 9000 square feet BioIncubator with lab and other infrastructure facilities to help Life science based technological ideas addressing critical needs within the sector

Grant Awarded by: Sustainable Bio-Innovations BioNEST, Ahmedabad University

(Ahmedabad University is among a select set of institutions approved to initiate a BioNest Bioincubator by Biotechnology Industry Research Assistance Council (BIRAC)

Grant Amount: 2 crores INR

Grant for: Providing support to enable product validation and commercialisation of about 40 ventures over five years from 2017-22, with an average support of 25 lakhs INR per venture

Grant Awarded by: NIDHI - SSS (Seed Support Scheme)

(VentureStudio were among the first 10 institutions selected for this grant as well across India)

Grant Amount: 14.4 lakhs INR

Grant for: De-risking the opportunity cost to pursuing entrepreneurship by students and professionals

Grant Awarded by: NIDHI – EIR (Entrepreneur-in-Residence)

(VentureStudio was among the first 10 institutions selected for this grant as well across India)

Grant for: To address the funding gap between an idea to developing a prototype
Grant Awarded by: NIDHI (National Initiative for Developing and Harnessing Innovation) - Prayas (Promotion and Acceleration of Young and Aspiring technology entrepreneurs)
(VentureStudio were among the first 10 institutions selected for this grant across India by the Department of Science & Technology)

Grant: Start-up Gujarat scheme
Grant for: Funding 15 startups under VentureStudio, an approved nodal agency
Grant Awarded by: Government of Gujarat

Grant: The Student Startup & Innovation Policy (SSIP)
Grant for: More than 90 early stage student projects across multiple domains
Grant Awarded by: Government of Gujarat

UNIVERSITY RESEARCH BOARD

The University Research Board (URB) of Ahmedabad University supports and promotes research by faculty, students and staff. The Board encourages research by offering startup grants for new faculty and seed grants to enable faculty initiate new projects. It also provides financial support to faculty in the form of travel grants to participate in international conferences and offers partial financial support for organising national and international conferences at the University. The highlights of the Board's activities for the year 2017-2018 are given below:

SEED GRANT PROPOSALS APPROVED FOR FUNDING:

- "Measuring impact of demonetisation on rural economy" by Sonal Yadav, Mita Suthar and Himani Baxi

- "In search of inflexion points in the value function of Prospect Theory" by Sumitava Mukherjee

- "Use of antioxidant nanozymes for abrogating the harmful effects of pesticides in hepatocyte cell culture model system" by Sanjay Singh

START-UP GRANT PROPOSALS APPROVED FOR FUNDING:

- "A rational approach towards development of novel anti-leishmanial therapeutics" by Professor Souvik Sen Gupta.

- "Investigations of ionic liquids for Butanol extraction from aqueous solution by molecular dynamics" by Professor Dharamshi Rabari.

- "Organismal responses to climate change" by Professor Subhash Rajpurohit.

In addition, four other startup grant proposals have been evaluated and will be initiated in the next financial year.

TRAVEL GRANT FOR PARTICIPATING IN INTERNATIONAL CONFERENCES:

The participation of twelve faculty members in international conferences was supported by the University.

PARTICIPATION IN ANVESHAN:

This national level student research convention was organised by Association of Indian Universities to identify and nurture research talent among young researchers. Four students from the University made presentations on their projects in the West Zone convention held at Ganpat University, Gujarat.

EXTERNALLY FUNDED PROJECTS:

In this financial year, faculty members attracted funding from different government agencies as well as the Industry. The details are given below:

• Dharmesh Varade
Solutions properties of mixed surfactant systems
44.16 lakhs INR | 3 years
ITC Limited

• Sanjay Chaudhary
Developing data analytics architecture
27.51 lakhs INR | 2 years
National Resource Data Management System, Department of Science and Technology (DST), New Delhi

• Ashutosh Kumar
Nanosensors for the detection of food adulterants and contaminants
39.83 lakhs INR | 3 years
Science & Engineering Research Board (SERB), New Delhi

• Aditi Singhal
Nanocrystalline substituted cobalt based metal oxides for oxygen evolution reaction: A prerequisite for photochemical water splitting
34.28 lakhs INR | 3 years
SERB, New Delhi

• Ritesh Shukla
Design and development of multiplex assay integrated nanodevice for rapid 'on field' identification of body fluids
42.71 lakhs INR | 3 years
SERB, New Delhi

- Dhaval Patel
Cognitive radio enabled vehicular cyber physical system for urban area
32.43 lakhs INR | 3 years
DST-Association of South East Asian Nations International Projects

- Dhaval Patel
Non-parametric smart sensing analytics based on large spectrum data and estimation of channel activity statistics
29.685 lakhs INR | 3 years
DST-UK India Education Research Initiative

- Minal Pathak
Imperial College-Technical Support Unit (TSU) of working Group III of the Intergovernmental Panel on Climate Change(IPCC)
1,98,114 GBP | 27 months
IPCC

- Sarah Ahmed
Light Water Museum
5 lakhs INR
Light Water Museum

- Sanjay Chaudhary
Developing data content standards for data representation, sharing and interoperability (soil, forest & surface geological map data)
4.345 lakhs INR | 4 months
National Resource Data Management System, DST, New Delhi

RESEARCH WORKING PAPERS PUBLISHED IN THE LAST ACADEMIC YEAR

AMSOM-WP-2017-05-002
Choksi, A. & Mehta, B. Use of Social Media Platforms by Women Entrepreneurs - An Exploratory Study

AMSOM-WP-2017-05-001
Mehta, B. & Parikh, J. Preferred Mode of Retail Banking Transactions - Offline, Online or Mobile

AMSOM-WP-2017-06-003
Unni, J. Gender Skill and Employability in India

AMSOM-WP-2017-06-001
Mankodi, K. CSR in Business Cluster for Sustainable Regional Development: A Case Study

AMSOM-WP-2017-06-002
Pandya, R. & Saxena, S. Gauging Underdog Entrepreneurship for Disabled Entrepreneurs

AMSOM-WP-2017-07-001
Saxena, S. & Pandya, R. Understanding Entrepreneurship and Mapping for Ex-Servicemen

AMSOM-WP-2017-07-002
Kaur, P., Pandya, R. & Saxena, S. Exploring the Structure and Functional Elements of the Dabgarwad Community Market

AMSOM-WP-2017-12-001
Pandya, R. & Saxena, S. Behavior Analysis in Conflict Resolution Network: 12 Angry Men

AMSOM-WP-2018-05-003
Ameen KT, Shahul, Understanding Islam: Towards A New Interpretative Approach

STUDENT LIFE

The Office of the Dean of Students (ODS) offers services and support to students and also organises unified student activities across all Programmes from the various Schools and Centres of the University. The wellness vertical at the ODS is known as Student Support, Engagement and Tutelage (SSETU). It offers support to the University students by providing the following facilities and services: a medical room, a senior general physician and a gynaecologist for free medical consultation; free primary health check-up for all new students; free Thalassemia screening for all graduating students; free personal or academic counselling sessions in an environment of trust and confidentiality. Concerted efforts are made to create awareness about and sensitise the student population to social issues of grave concern like ragging, substance abuse, gender bias, traffic safety and sexual harassment by holding workshops and talks by experts. Voluntary blood donation camps are also held to make the students aware of their social responsibilities. Compliance and adherence to students related policies of the University's and UGC's is undertaken by ODS.

The other vertical at ODS works towards overall development of the youth. The University provides various platforms where the students can learn, practice, 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.

Students are provided an opportunity to participate in a wide spectrum of activities. Some are student driven like the Students' Clubs and Sports activities, and some are organised by ODS to give them an exposure to intellectual and artistic refinement like The Nalanda.

OFFICE OF THE DEAN OF STUDENTS

FAMILY CONNECT INITIATIVE

The University grants Financial Aid to students on a merit-cum-means basis. In addition to the fee waiver that takes care of any issues arising from a financial handicap, the University management also believes in conveying to the families of such beneficiaries that it cares for the students' academic and personal growth. The objective of the family connect initiative is to build a rapport by establishing contact, either on phone or through a personal visit, with some of 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 the Financial Aid provided and at the same time it instils in them the confidence that the University management is supportive.

This year, first time receivers of Financial Aid were covered under this initiative. Like the last four years, we are in touch with many such families whose children have received Financial Aid . There were 65 first time Financial Aid receivers in the academic year 2017-18, of which 34 were from the city and 31 from out of the city. 24 of the 34 local families were visited by the Student Events Coordinator at the ODS and we connected telephonically with 28 out of the 31 families residing outside Ahmedabad.

EVENTS

YOUTH FEST

This year the Ahmedabad University's Youth Festival was organised from 24th to 27th January 2018 and saw an overwhelming response, with over 500 registrations for individual events and over 200 registrations for team events. Throughout the three day festival, enthusiastic students participated in a variety of events spanning across the areas of theatre, music, dance, intellectual activity and fine art.

UNIVERSITY GARBA

Ahmedabad University celebrated Navratri – the iconic festival of Gujarat with vibrancy and joy. The first ever University Garba was organised on 29th September 2017 at the UG Campus ground of Amrut Mody School of Management. The event started with 'aarti' performed by the senior staff members. On the last day of Navratri, the staff and over 1000 students came dressed in traditional attire and performed Garba.

ANNUAL CHAIR LECTURE

The Office of the Dean of Students organised the 3rd Shrenik Lalbhai Annual Chair Lecture, where Howard Spodek spoke on "What do we do next? Building on Ahmedabad UNESCO World Heritage Award".

CONVOCATION

The 7th Convocation of Ahmedabad University was held on 29th November 2017 at the School of Engineering and Applied Science. Dr Arvind Subramanian, Chief Economic Advisor, Government of India was the Chief Guest and delivered the Convocation Address. A total of 1118 students were conferred degrees this year which included 880 students from the School of Management, 146 students from the School of Computer Studies, 71 students from the School of Engineering and Applied Science and 21 students from the School of Arts and Sciences.

FOUNDATION DAY

The Ahmedabad University celebrated its 9th Foundation Day on 26th February 2018 and organised a series of events to commemorate the successful year that went by.

Foundation Day Lecture: The Foundation Day event started with a presentation by Bibek Banerjee – Senior Dean, Strategic Initiatives and Planning. He shared the vision and future plans of Ahmedabad University. His address was followed by presentations from Devanath Tirupati – Dean, Amrut Mody School of Management, Patrick French – Dean, School of Arts and Sciences and Sunil Kale – Dean, School of Engineering and Applied Science. The event concluded with the Chairman's Award ceremony

Yamini: As a part of the Foundation Week celebrations, Yamini 2018, an all-night Indian musical ensemble was held at the University Auditorium on 24th February 2018. This event was a collaboration between Ahmedabad University and The Society for the Promotion of Indian Classical Music and Culture Amongst Youth (SPIC MACAY)

Anand Mela: Another event organised as a part of the Foundation Week proceedings was the Anand Mela, held on 25th February 2018. This was a day when the University welcomed under-privileged children to its campus and immersed them in a series of joyful activities. This year's theme was Nutrition and Hygiene. The event witnessed a footfall of around 1300 children from different Non-Governmental Organisations across Ahmedabad. Students of Ahmedabad University put up stalls for activities, food and games

ACTIVITIES

CATEGORY	ACTIVITY	DATE
Sensitising on Disability • Riddhi Shukla	Talk - Explore your Abilities	9th August 2017
Emotional Wellness • YourDOST, Bangalore	Emotional Wellness Support	4th October 2017
Anti-Substance Abuse • Narcotics Control Bureau	Hazards of Drug-abuse	25th October 2017
Women's Development Cell • Rushiraj Jaiswal • Ujjawal Jaiswal	Self Defence Workshop	1st November 2017
Youth Awareness Workshop • Rushiraj Jaiswal • Ujjawal Jaiswal	Self Defence Workshop	1st November 2017
Culinary Skills • University Students	Chocolate making	8th November 2017
Health • Riddhi Shukla	Poly Cystic Ovarian Disease (PCOS)	17th January 2018
Health, Diet & Fitness • Rajhans Jain • Pankhi Chauhan from Sahaj Marg Foundation	Yoga Camp	29th January to 9th February
Grooming • Juhi Bansal	Being Human: Beyond Style & Sophistication	31st January 2018
Women's Development Cell • Ujjawal Jaiswal	Gender Sensitisation -Self Defence Workshop	28th February 2018
Women's Development Cell • Ruzan Khambhatta	Talk on Gender Sensitisation	7th March 2018
Emotional Wellness • Kalpana Pareek	Peer Support Workshop	7th March 2018
Emotional Wellness • Kalpana Pareek	Peer Support Workshop	21st March 2018
Gender Issues • Kalpana Pareek	Sexual Harassment at Workplace	21st March2018
Emotional Wellness • Kalpana Pareek • YourDost	Peer Support Workshop	28th March 2018
Emotional Wellness • Jini Gopinath • YourDost	Examination Stress	28th March 2018

SPORTS

The Office of the Dean of Students with the help of the Sports Coordinator and Student Sports representatives from different programmes, organised various sports events throughout the year. Below are the winners of the intra-college sports fest:

Event	Date	Category	Champion	Runner Up
Chess	26th August 2017	Boys	SEAS	BBA
		Girls	SEAS	BBA/iMBA
Table Tennis	20th September 2017	Boy (Singles)	BBA/iMBA	SCS
		Boy (Doubles)	BCom	SEAS
		Girls (Singles)	BCom	SEAS
		Girls (Doubles)	BCom	SEAS
Basketball	7th October 2017	Boys	BBA/iMBA	BCom
		Girls	BBA/iMBA	BCom
Volleyball	14th October 2017	Boys	BBA/iMBA	BCom
		Girls	BBA/iMBA	BCom
Handball	12th November 2017	Boys	BBA/iMBA	SEAS
		Girls	BBA/iMBA	BCom
Lawn Tennis	11th November 2017	Boy (Singles)	BBA/iMBA	BCom
		Boy (Doubles)	BBA/iMBA	BCom
		Girls (Singles)	SEAS	BBA/iMBA
		Girls (Doubles)	BBA/iMBA	BCom
Football	6th January 2018	Boys	BBA/iMBA	BCom
Kabaddi	13th January 2018	Boys	SEAS	BBA/iMBA
Athletics	17th January 2018	Boys	BBA/iMBA	BCom
		Girls	SEAS	BCom
Kho-kho	20th January 2018	Boys	BCom	BBA/iMBA
		Girls	BCom	BBA/iMBA
Cricket	29th January 2018	Boys	SEAS	BBA/iMBA
		Girls	SEAS	BCom
Badminton	10th February 2018	Boy (Singles)	SAS	SEAS
		Boy (Doubles)	BCom	BBA/iMBA
		Girls (Singles)	BBA/iMBA	SCS
		Girls (Doubles)	BBA/iMBA	SCS

THE NALANDA

The Nalanda is a multi-disciplinary, student driven, aspirational platform to explore the realm of ideas triggered by live interaction with invited speakers who are deep thinkers in their chosen fields. It is a platform for students to understand, debate, enquire and reflect upon the nuances of issues by engaging with eminent thought leaders. This year saw the second installment of this series, with three illustrious new speakers being featured:

•   **Dr Raghuveer Chaudhari**, novelist, poet and critic from Gujarat, was in conversation with Apoorvanand, Professor of Hindi, Delhi University in the first session of 2017. They discussed the theme, "Society, Education and Literature". Dr Chaudhari shared his experiences from the time he started his journey in literature in a newly independent nation to the making of a neo-urbanised society. He interacted with the students on how literature and society evolved with each other, and how society preserves and critiques the 'Kahani-tatva', generation after generation.

•   The second speaker in the new season of The Nalanda 2017 was **Colonel Ajai Shukla (Retired)**. He was in conversation with Professor Pankaj Chandra and the topic of discussion was "Guns versus Butter: How much defence does India really need?" Colonel Shukla works as Consulting Editor (Strategic Affairs) with Business Standard. From 2001-08, he was a war correspondent at NDTV News Channel. Before taking up journalism, he was a combat soldier in the Armoured Corps from 1979-2001.

•   The first session in 2018 hosted eminent Kathak dancer and choreographer, **Kumudini Lakhia** and city based dancer, choreographer, and film and theatre actor, **Revanta Sarabhai**. They were in conversation with Chirag Trivedi. Both the speakers discussed the intersections between dance, gender and society.

STUDENT SUPPORT, ENGAGEMENT AND TUTELAGE (SSETU) - WELLNESS FOR ALL

The University extended its counselling services in the year that went by to make it even more inclusive. Collaboration with an online portal – YourDOST, gave the students a platform for online chats, audio calls and even video calls for one-on-one counselling with complete anonymity, confidentiality and trust. From October 2017 to March 2018, 244 students registered on the portal and 450 sessions were conducted by YourDOST counsellors.

In order to assist fresh undergraduates through the inaugural period of their time at the University, the SSETU Wellness Centre instituted a 'Circle of Care'. The idea of 'Circle of Care' is to ease the students' induction process by providing them with a strong support system. In this system, incoming batches of new students are grouped into 12 – 14 students, with each group being a mix of people from across our various Schools and programmes. Each group is assigned both, a faculty advisor and a 'Mitr' or a friend, who is a senior University student. The Circle provides an initial group of peers and teachers whom new students can connect with, get guidance, seek help to tackle any initial hurdles and get pointed in the right direction, if and when significant issues arise.

WALK-INS FOR MEDICAL CONSULTATIONS	610	**WALK-INS FOR PERSONAL COUNSELLING**	140
WALK-INS FOR GENERAL ENQUIRY	233	**MEDICAL CHECK-UPS FOR FIRST YEAR STUDENTS**	751
THALASSEMIA SCREENING	940	**BLOOD DONATIONS (UNITS DONATED)**	292
HOME VISITS & CALLS TO RECIPIENTS OF FINANCIAL AID	52		

STUDENT CLUBS

To enrich students' lives on campus, the University offers diverse platforms and the Student Clubs are one such channel. During the week-long Orientation programme in the month of July, Club coordinators and student volunteers were assigned the task of engaging Freshers by demonstrating various Club activities. Each Club was allotted a room to showcase its activities. Freshers were escorted by student volunteers to visit each room in groups of 30 each, to get a glimpse of what each Club stood for.

Two student clubs, The Management Club and Fitness Club, were awarded the Chairman's Awards for excellent performance on Foundation Day. The University gave them certificates in recognition of their efforts and contributions. Their Club budget was also augmented by 25000 INR for the next academic year.

DANCE CLUB — 329 STUDENTS

The Dance club started their activities with a basic dance training session in August 2017 and a dance workshop in September 2017. They also organised workshops on Garba, Bollywood dance, Salsa and Belly-dancing during the course of the year. The Club members reached the finals in the IIM-Ahmedabad Cultural Fest dance competition. The Dance Club core team also qualified as one of the top four Gujarat teams in the regional leg of the Hip-Hop International India competition.

FITNESS CLUB — 407 STUDENTS

The Fitness Club undertook activities such as aerobics, jogging, cardio-workouts, pilates, boxing, dance and zumba for Club members and students of the University. The Club also organised two Marathons, one in October and one in February; a Treasure Hunt and for the first time, a Cyclothon. The Club also participated in the flag hoisting ceremony on 2017 Independence Day at the University Office.

LITERARY CLUB — 161 STUDENTS

The Literary Club activities encourage spontaneity, articulation, imagination and public speaking skills among students. This year, the Club conducted its first activity in August 2017 with a "Just-a-minute (JAM)" session where students gave impromptu speeches on given topics. Their second activity was the Abhivyakt General Meeting, to introduce the Literary Club to new members and to know what the students expect from the Club.

During the year, the Club organised a group discussion on "Conspiracy Theories", a session on the Sonnets of William Shakespeare and another discussion on Partition called "Vibhajan - Ek Charcha". Other events conducted include, two Treasure Hunts, an Elocution Contest and a Creative Writing Workshop.

MANAGEMENT CLUB — 465 STUDENTS

The Management Club began its sessions for this year with a Talk and Panel Discussion on the Goods and Services Tax. The movie "Remember the Titans" was screened as a prompt for a discussion on the "Use and Abuse of Strategy & Tactics" which was led by Professor Kunal Mankodi. The Club's third event was the Management Game "AUCTION: Blockbuster Nilami", which was followed by an Introductory talk on stock markets by Professor Parag Patel. Apart from these activities, the Club members supported several other student Clubs within the University by helping them manage their internal activities/ events. They also coordinated a live screening of Union Budget for students and staff.

MUSIC CLUB — 223 STUDENTS

This year, the Music Club sang patriotic songs during Independence Day and Republic Day celebrations at the University Office. They organised a session of Antakshri, a Khayal workshop by the expert Srijan Deshpande and two jamming sessions. They also hosted an all-night musical ensemble event 'Yamini', in February 2018, which was a part of the Foundation Week celebrations.

FINE ARTS CLUB

236 STUDENTS

The Fine Arts Club organised several activities to showcase and encourage creative work within the Arts and Crafts field. They organised an event named 'Fun with Frames' in August 2017, where students made photo frames from assorted materials provided to them. In their second activity "Panache", participants were engaged in making creative designer outfits using newspapers and chart paper. Following this, a "Dream-Catcher" making workshop, On-the-Spot-Painting competition, a Human Canvas Painting session, a Card Making workshop and a Sketching Workshop too were arranged.

QUIZ CLUB

167 STUDENTS

The Quiz Club started the year with 'A SpEnt (Sports + Entertainment)' Quiz which was held in August 2017. Subsequently, a Brand Quiz was conducted in September 2017 and the student division of the IEEE branch of the University organised a state level Tech quiz titled "Does grey matter? v4.0" in October 2017. Other events organised by the Club include the Half Baked Quiz in November 2017, the Bollywood Quiz in January 2018 and the Sports Quiz in February 2018.

PHOTOGRAPHY CLUB

278 STUDENTS

The members of the Photography Club organised their first photo walk in August 2017, at Gulbai Tekra. The theme "Scenario at Gulbai Tekra after Ganesh Chaturthi", was given to the participants, who were asked to build a photo story or photo essay around it. The Club conducted its next activity in September 2017 to review its first photo-walk photographs. Valuable inputs and suggestions were given by the Club Secretary to the participants to improve their photography skills. World Wide Instameet-16 was held in September 2017 and the Club members also organised their Mega Photo-Walk in October 2017 from Sidi Saiyed Mosque to Ahmed Shah's Mosque with a theme to cover heritage sites of the city. To review the photographs of Mega-Walk, another photo review session was conducted. The Club also organised an expert session in November 2017 and a Social Media Awareness talk in March 2018.

SOCIAL SERVICE FORUM

384 STUDENTS

The Office of the Dean of Students (ODS) organises Blood Donation Drives and Thalassemia Screening Camps in collaboration with the Indian Red Cross Society (IRCS) twice every academic year. In the year 2017-18, ODS organised the camps but with the help of Social Service Forum as volunteers to ensure smooth execution. All the camps were held concurrently at 3 campuses.

To spread awareness about healthy food habits amongst students, the Club held the 'Poshan Tantra' event in August 2017. It also organised Self Defense workshop for girls in November 2017, a book distribution programme in January 2018. It undertook an initiative with Members of Blind People's Association to sell handmade Rakhis and Friendship belts made by them. Finally, the Club helped organise the Anand Mela as part of the Foundation Week events. The event witnessed a footfall of around 1300 children from different Non-Governmental Organisations across Ahmedabad.

THEATRE CLUB

273 STUDENTS

The Club members conducted a series of theatre-related workshops in August, September and November. Besides an On-The-Spot-Acting session, members of the club participated in a number of external events and managed to win several accolades. Club members won the Best Actor award at the IIM-Ahmedabad Cultural Fest, the second Best Actor award at the DAIICT Cultural Fest. Their one-act play "Veenaveli" won two awards in a state-level competition for Best-play and Best-Actress categories.

PARTNERS AND COLLABORATIONS

Student exchange, faculty exchange, collaborations for courses, research and academic development marked Ahmedabad University's associations with several well-known national and international research universities. It was a notable moment when two of our faculty were appointed to prestigious Intergovernmental Panel on Climate Change's (IPCC) working group III - 'Mitigation'.

The University saw interdisciplinary collaboration with faculty from Heritage Management and School of Computer Studies working together with the National Institute of Design on the Living Water's Museum Project which was to collate the rich and diverse traditions of water practices in India.

Various Centers and Schools partnered with Government bodies, individuals and private agencies to find innovative solutions to real life challenges, the details of which are given below.

AMRUT MODY SCHOOL OF MANAGEMENT

- This marks the third year of the School's ongoing partnership with the ESC Rennes School of Business, France. The year saw another successful round of the exchange programme between the two institutions

CENTRE FOR LEARNING FUTURES

- The Centre for Learning Futures initiated its academic partnership with the University of Saskatchewan, Canada by collaborating on an elective course on "Reading Literature across Culture" which was offered during winter of 2018.

CENTRE FOR HERITAGE MANAGEMENT

- The Centre for Heritage Management signed a Memorandum of Understanding with the Madhya Pradesh Tourism Board (MPTB) in October 2017 to help the Board with capacity building in areas related to heritage tourism

GLOBAL CENTRE FOR ENVIRONMENT AND ENERGY

- The Centre's Priyadarshi Shukla was appointed the Co-chair for the Intergovernmental Panel on Climate Change's (IPCC) working group III - 'Mitigation'. The Centre's Professor Minal Pathak was also appointed as a Senior Scientist within the Technical Support Unit of the Mitigation working group

- In relation to their association with the IPCC, Minal Pathak and Priyadarshi Shukla hold Visiting Professor and Visiting Researcher status respectively at the Imperial College, London. Professor Minal Pathak was nominated to her post as part of the IPCC Task Force on Gender

- The team at the Global Centre for Energy and Environment is providing advisory services to the government of Gujarat (specifically the Gujarat Energy Development Agency and Gujarat Energy Research and Management Institute) with regard to the state's electric vehicle policy

- The Centre has been in talks with the United Nations Environment Programme at the Technical University of Denmark on collaborative publications with regard to climate change mitigation, specifically the decarbonisation of transport and industry sectors. Discussions are also underway for a possible collaboration with the Earth Institute, at Columbia University, USA

SCHOOL OF COMPUTER STUDIES

- A team of faculty members from the University comprising Professor Sara Ahmed and Amit Tandon from Centre for Heritage Management, and Kuntal Patel and Aditya Patel from School of Computer Studies collaborated with the National Institute of Design to work on the Living Water's Museum (LWM). The objective of this project was to collect and collate rich and diverse traditions of water practices in India and build a repository of visualised knowledge, which can commemorate the past, inspire the present and be a source of learning for the future. The team worked with the University's students and completed Phase 1 of the project

- Kunal Patel from the Computer School worked with Dr Mukesh Patel, a physiotherapist at Deaf and Mute Society to develop a novel examination system for the visually impaired. This is a software solution which allows the Physiotherapy College for the Blind, (Deaf-Mute Society, Ahmedabad) to arrange, conduct and manage examinations through a computer-based examination environment. The proposed software solution avoids the drawbacks of the current examination system by providing more audio supportive functionalities to visually-impaired students interacting with the system

VENTURESTUDIO

- The Studio continued its partnership with Management Medicos, a high profile doctors group across Gujarat. The collaboration is based on the ideal of working as Clinical Partners to help source innovations targeting unmet needs, and working to successfully incubate and commercialise them within the field of healthcare/ life sciences

- The Studio continued its partnership with the chartered accountancy firm Rajni Shah & Associates to work together to facilitate startups in accounting, tax and compliance related matters

- In addition to the above, the Studio has a number of other ongoing partnerships at different levels with the following organisations:

- **Intellectual Property:** Krishna & Saurashtri, GyanLex
- **Investors:** Key Ventures, ShiftAltCap, Mumbai Angels, Chennai Angels, Venture Highway, Indian Angel Network etc.
- **Legal Domain:** LexStart
- **Market Research & Design Thinking:** InfoAnalytica, Tinker Labs

FACULTY AND STAFF

Employee Category	Faculty*	Staff	Total
Amrut Mody School of Management	53	68	121
School of Engineering and Applied Science	27	49	76
School of Arts and Sciences	21	24	45
School of Computer Studies	11	13	24
Centre for Heritage Management	5	7	12
Centre for Learning Futures	3	2	5
Global Centre for Environment and Energy	1	3	4
Physiotherapy College for the Visually Impaired & School of Deaf & Mute	-	7	7
University Office	3	73	76
VentureStudio	-	5	5
TOTAL	**124**	**251**	**375**

NEW APPOINTMENTS (FACULTY)

Aditi Deo
School of Arts and Sciences

Aparajita Basu
School of Arts and Sciences

Aparajith Ramnath
Amrut Mody School of Management

Ashwin Pande
School of Arts and Sciences

Bibek Banerjee
Amrut Mody School of Management

C Rangarajan
Amrut Mody School of Management

Gangeya Mukherji
School of Arts and Sciences
Visiting Professor

Kamaiah Bandi
School of Arts and Sciences

Krutesh Patel
Amrut Mody School of Management

Manomohini Dutta
School of Arts and Sciences

Mary Ann Chacko
School of Arts and Sciences

Neha Jain
School of Arts and Sciences

Noopur Thakur
School of Arts and Sciences

Pankaj Vaish
Amrut Mody School of Management

Patrick French
School of Arts and Sciences

Priyadarshi R. Shukla
Amrut Mody School of Management and Global Centre for Environment and Energy

Raghavan Rangarajan
School of Arts and Sciences

Ratna Ghosal
School of Arts and Sciences

Shashi Prakash
School of Engineering and Applied Science

Shweta
School of Engineering and Applied Science

Srijan Deshpande
Amrut Mody School of Management

Subhash Rajpurohit
School of Arts and Sciences

Sunil R. Kale
School of Engineering and Applied Science

NEW APPOINTMENTS (STAFF)

Abhishek Tamrakar
Admissions and Financial Aid

Amay Dinesh Korjan
Communications

Arpit Soni
School of Arts and Sciences

Asfak Desai
Projects

Ashutosh Taunk
Learning Initiatives

Bhushan Kankal
Global Centre for Environment and
Energy

Deepika Saluja
Career Development Centre

Dhara Shah
Career Development Centre

Dipen Wadhwa
University Office

Dipti Dutt
University Office

Helly Thakkar
Amrut Mody School
of Management

Hitesh Thakor
School of Arts and Sciences

Kirtan Pandor
School of Deaf and Mute

Maulik Rabari
Facilities and Services

Minal Pathak
Global Centre for Environment and
Energy

Nilam Thakkar
Projects

Porwal Priya
Amrut Mody School
of Management

Prachi Shah
Human Resources

Prarthi Shah
Centre for Heritage Management

Priyana Vidhani
School of Arts and Sciences

Radhika Visalam Raman
University Office

Rahul Rai
Human Resources

Rahul Rajput
Student Affairs

Rajkaran Yadav
Facilities and Services

Ramesh Kumhar
Facilities and Services

Ravi Panchal
Career Development Centre

Sarika Singh
Human Resources

Shailesh Thakor
Facilities and Services

Siddharth Baad
Communications

Sukhvinder Singh Sandhu
Facilities and Services

Surabhi Lalit Vaya
Communications

Suvadip Neogi
Global Centre for Environment and
Energy

Tapan Pota
Information Technology

Urmilaben Patel
School of Deaf and Mute

Vijay Ramchandani
Centre for Heritage Management

Yashashvi Som
Learning Initiatives

RETIREMENTS

Bipin Vasantlal Mehta
Associate Dean
School of Computer Studies

Pamela Ricardo Desouza
Executive
Facilities and Services
University Office

LIST OF FACULTY

AMRUT MODY SCHOOL OF MANAGEMENT

Devanath Tirupati
Dean and Professor

Parag Patel
Associate Dean and
Associate Professor

Abhishek Shah
Assistant Professor

Abrar Ali Saiyed
Assistant Professor

Amrita Bihani
Senior Lecturer

Anjali Choksi
Adjunct Faculty

Aparajith Ramnath
Assistant Professor

Aravind Panicker
Adjunct Faculty

AVK Mohan
Professor of Practice of
Management

Bhaktida Trivedi
Assistant Professor

Bibek Banerjee
Professor and Senior Dean

Bijal Mehta
Assistant Professor

Binny Rawat
Assistant Lecturer

C Rangarajan
Distinguished University
Professor

Chirag Trivedi
Assistant Professor

Darshna Padia
Assistant Professor

Deepak Krishnan
Adjunct Faculty

Dinesh Barot
Assistant Professor

Ekta Sharma
Assistant Professor

Hetal Jhaveri
Assistant Professor

Himani Baxi
Assistant Professor

Jatin Christie
Senior Lecturer

Jeemol Unni
Professor

Jinal Parikh
Assistant Professor

Karishma Dalal
Senior Lecturer

Kunal Mankodi
Senior Lecturer

Mita Suthar
Assistant Professor

Mruga Pandya
Adjunct Lecturer

Neha Desai
Senior Lecturer

Neha Gadhvi
Lecturer

Neel Kamal Chapagain
Associate Professor

Nimit Thaker
Lecturer

PR Shukla
Distinguished Professor

Pankaj Chandra
Professor and Vice Chancellor

Pankaj Vaish
Professor of Practice of
Management

Paragi Shah
Assistant Professor

Pavak Vyas
Assistant Professor

Poonam Dugar
Senior Lecturer

Pratishtha Pandya
Senior Lecturer

Preeti Maneck
Senior Lecturer

Ramadhar Singh
Distinguished University
Professor

Saptam Patel
Assistant Professor

Saumil Shah
Senior Lecturer

Shahul Ameen KT
Senior Lecturer

Shilpa Bhat
Assistant Professor

Shriram Kadiya
Adhoc Faculty

Siddharth Saxena
Adhoc Faculty

Sonal Yadav
Assistant Professor

Srijan Deshpande
Lecturer

Sudhir Pandey
Senior Lecturer

Sujo Thomas
Senior Lecturer

Sumitava Mukherjee
Assistant Professor

Tana Trivedi
Adhoc Faculty

Taral Pathak
Assistant Professor

Vaibhav Kadia
Assistant Professor

Vibha Tripathi
Senior Lecturer

Vivek Bhatt
Adhoc Faculty

Zalak Shah
Senior Lecturer

SCHOOL OF ARTS AND SCIENCES

Patrick French
Dean and Professor

Aditi Deo
Assistant Professor

Aparajita Basu
Assistant Professor

Aparajith Ramnath
Assistant Professor

Ashutosh Kumar
Assistant Professor

Ashwin Pande
Assistant Professor

Balachandran Ravindran
Adjunct Faculty

C Rangarajan
Distinguished University
Professor

Gangeya Mukherji
Visiting Professor

Kamaiah Bandi
Professor

Manish Datt
Assistant Professor

Manomohini Dutta
Assistant Professor

Mary Ann Chacko
Assistant Professor

Neha Jain
Assistant Professor

Noopur Thakur
Assistant Professor

Raghavan Rangarajan
Dean of the UndergraduateCollege,
Dean of Students & Professor

Ritesh Shukla
Assistant Professor

Sanjay Singh
Associate Professor

Souvik Sen Gupta
Assistant Professor

Subhash Rajpurohit
Assistant Professor

Tejaswini Niranjana
Visiting Professor

Vivek Tanavde
Associate Professor

SCHOOL OF COMPUTER STUDIES

Aditya Patel
Assistant Professor

Heena Timani
Assistant Professor

Hiral Vegda
Lecturer

Jaideepsinh Raulji
Lecturer

Kunjal Gajjar
Senior Lecturer

Kuntalkumar Patel
Assistant Professor

Pratik Thanawala
Senior Lecturer

Shefali Naik
Assistant Professor

Siddhi Shah
Senior Lecturer

Trushali Jambudi
Senior Lecturer

Vinay Vachharajani
Senior Lecturer

SCHOOL OF ENGINEERING AND APPLIED SCIENCE

Sunil Kale
Dean and Professor

Sanjay Chaudhary
Associate Dean and Professor

Aditi Singhal
Assistant Professor

Ajay Karakoti
Associate Professor

Anurag Lakhlani
Senior Lecturer

Ashok Ranade
Professor

Barbara Morawska
Associate Professor

Deepak Kunzru
Distinguished Professor

Deepak Verma
Assistant Professor

Dharamashi Rabari
Assistant Professor

Dharmesh Varade
Associate Professor

Dhaval Patel
Assistant Professor

Gaurav Goswami
Assistant Professor

Harshal Oza
Assistant Professor

Jaina Mehta
Lecturer

Mazad Zaveri
Assistant Professor

Mehul Raval
Associate Professor

Mitaxi Mehta
Assistant Professor

Narayan Padmanabhan
Professor

Pratik Trivedi
Senior Lecturer

Ratnik Gandhi
Assistant Professor

Shashi Prakash
Assistant Professor

Shweta
Assistant Professor

Snigdha Khuntia
Assistant Professor

Sridhar Dalai
Assistant Professor

Srikrishnan Divakaran
Associate Professor

Varadharajan Iyer
Visiting Professor

CENTRE FOR HERITAGE MANAGEMENT

Neel Kamal Chapagain
Associate Professor

Shahul Ameen KT
Senior Lecturer

CENTRE FOR LEARNING FUTURES

Ashwin Kumar
Senior Fellow

Payel C. Mukherjee
Fellow

Vaibhav Shah
Assistant Professor

PHYSIOTHERAPY COLLEGE FOR THE VISUALLY IMPAIRED

Mukesh Patel
Principal

Archit Shah
Clinic In-charge

Babubhai Panchal
Course Coordinator

Dilip Shah
Senior Physiotherapist

Gulshan Avadia
Clinic in-charge

Report on the Financial Statements

We have audited the accompanying financial statements of AHMEDABAD UNIVERSITY ("AU") which comprise the Balance Sheet as at March 31, 2018, and the Income and Expenditure Account for the year then ended.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position and financial performance of AU in accordance with the applicable Accounting Standards. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to AU's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Institute's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion and to the best of our information and according to the explanations given to us, the financial statements give a true and fair view in conformity with the Accounting principles generally accepted in India:

(a) In the case of the Balance Sheet, of the state of affairs of AU as at March 31, 2018; and

(b) In the case of Income and Expenditure, of the excess of expenditure over income for the year ended on 31st March, 2018.

For Sorab S. Engineer & Co.

Firm Registration No. 110417W

Chartered Accountants

Signed

CA. Chokshi Shreyas B.

Partner

Membership No. 100892

Ahmedabad

June 9, 2018

BALANCE SHEET

AS ON MARCH 31, 2018

Rs. in Crores

FUNDS AND LIABILITIES	SCHEDULE	MARCH 31, 2018	MARCH 31, 2017
(a) Funds			
Corpus Fund	1	103.24	103.24
Earmarked / Endowment Funds	2	92.66	70.77
Depreciation Fund	3	56.60	44.79
		252.50	218.80
(b) Loans	4		
Secured		7.05	5.04
		7.05	5.04
(c) Project Grants	5	4.38	2.73
Total		263.93	226.57

ASSETS	SCHEDULE	MARCH 31, 2018	MARCH 31, 2017
(a) Property Plant and Equipment	6	150.05	135.16
(b) Intangible Asset	6a	3.62	3.19
(c) Investments	7	28.78	40.01
(d) Current Assets, Loans and Advances			
Receivables	8	2.67	1.71
Loans and Advances	9	5.39	2.41
Cash and Bank Balances	10	7.39	3.15
		15.45	7.27
Less: Current Liabilities and Provisions	11	10.23	8.54
Net Current Assets		5.22	(1.27)
(e) Income and Expenditure Account	12	76.26	49.48
Total		263.93	226.57

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

Signed

CA. Chokshi Shreyas B.

Partner

Membership No. 100892

Ahmedabad

June 9, 2018

Signed

Sanjay S. Lalbhai

President

Signed

B.M Shah

Registrar and Chief Financial Officer

INCOME AND EXPENDITURE ACCOUNT

FOR THE YEAR ENDED MARCH 31, 2018

INCOME	SCHEDULE	MARCH 31, 2018	MARCH 31, 2017
Fees (Net)	13	30.23	29.52
Grants, Donations and Scholarships	14	-	7.06
Interest Income	15	3.43	3.22
Other Income	16	1.18	1.26
Total		34.84	41.06

EXPENDITURE	SCHEDULE	MARCH 31, 2018	MARCH 31, 2017
Employee Emoluments	17	35.50	28.04
Educational Expenses	18	3.54	3.99
Workshops/Events and Meeting Expenses	19	0.79	0.67
Repairs and Maintenance Expenses	20	5.91	3.76
Travelling and Conveyance	21	0.14	0.28
Finance Cost	22	0.21	0.14
Other Administrative Expenses	23	4.60	4.19
Total		50.69	41.07
Operating Surplus/(Deficit) before Depriciation/ Amortisation and Exceptional Items		(15.85)	(0.01)
Less: Depriciation/Amortisation (Net)	24	10.93	11.61
Deficit for the year		(26.78)	(11.62)
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	Signed CA. Chokshi Shreyas B. Partner Membership No. 1.00892 Ahmedabad June 9, 2018	Signed Sanjay S. Lalbhai President Signed B.M Shah Registrar and Chief Financial Officer

SCHEDULE ATTACHED TO AND FORMING PART OF ACCOUNTS

PARTICULARS	SCHEDULE	MARCH 31, 2018	MARCH 31, 2017
Corpus Fund	1		
Balance as per last financial statements		103.24	93.30
Addition: Donation received during the year		-	9.94
Total		103.24	103.24
Earmarked/Endowment Funds	2		
Balance as per last financial statements		70.77	68.67
Addition: Funds & other income received during the year (Note 4 of Schedule 26)		24.97	4.86
Deduction: Funds Utilised/Transferred during the year (Note 4 of Schedule 26)		3.08	2.76
Total		92.66	70.77

SCHEDULE ATTACHED TO AND FORMING PART OF ACCOUNTS

PARTICULARS	SCHEDULE	MARCH 31, 2018	MARCH 31, 2017
Depriciation Fund	3		
Balance as per last financial statements		44.80	32.18
Add: Provided during the year		11.93	12.66
		56.73	44.84
Less: Depreciation on Assets sold during the year		0.13	0.05
Net Balance		56.60	44.79
Loans	4		
Secured Loans		7.05	5.04
Overdraft (Secured against Bank FD)			
Total		7.05	5.04
Project Grant	5		
Project Grant - Faculties		1.19	1.08
GOG - SSIP Project		0.02	-
GICT - Environment risk Assessment of Chemical		0.26	0.30
GICT - Nano Technology (CENTRA)		0.47	0.48
BIRAC - Bionest		2.44	0.87
Total		4.38	2.73
Property Plant and Equipment	6		
Balance as per last financial statements		129.66	122.18
Add: Addition during the year out of Owned Funds (Note 4 of Schedule 26)		8.64	6.87
Add: Addition during the year out of Project Grant		0.61	0.68
		138.91	129.73
Less: Assets sold during the year		0.18	0.07
		138.72	129.66
Add: Capital Work in Progress		0.35	0.31
Add: Capital Advances		10.98	5.19
Net Balance		150.05	135.16
Intangible Asset	6a		
Balance as per last financial statements		3.19	3.07
Add: Addition during the year out of Owned Funds (Note 4 of Schedule 26)		0.43	0.12
Add: Addition during the year out of Project Grant		-	-
Net Balance		3.62	3.19
Long Term Investments	7		
Term Deposit with Gruh Finance Limited		5.00	-
Investments in Bonds		9.52	5.00
Term Deposit with Banks		14.26	35.01
Total		28.78	40.01

SCHEDULE ATTACHED TO AND FORMING PART OF ACCOUNTS

PARTICULARS	SCHEDULE	MARCH 31, 2018	MARCH 31, 2017
Receivables	8		
Interest Accrued on Investments		2.25	1.46
Fees Receivable			
■ Considered Good		0.42	0.25
■ Considered Doubtful		-	0.07
Less: Provision for Doubtful Receivable		-	(0.07)
Net Fees Receivable		0.42	0.25
Total		**2.67**	**1.71**
Loan and Advances	9		
Advances recoverable in cash or kind or for value to be received		3.29	0.65
Deposits		0.49	0.47
TDS Receivable		0.11	0.15
Interest free loan to students		0.17	0.21
Prepaid expenses		1.33	0.93
Total		**5.39**	**2.41**
Cash and Bank Balances	10		
Cash on Hand		0.01	0.01
Bank Balance			
In Savings/Current Account		7.38	3.14
Total		**7.39**	**3.15**
Current Liabilities and Provisions	11		
Current Liabilities			
Sundry Creditors		1.03	0.82
Statutory Dues		1.02	0.75
Deposits from students		1.50	1.40
Earnest money deposits		0.07	0.07
Retention money		0.64	0.60
Other liabilities		0.23	0.67
Outstanding liability for expenses		0.33	0.30
Provisions			
Leave Encashment		2.61	2.26
Gratuity		2.80	1.67
Total		**10.23**	**8.54**
Income and Expenditure Account	12		
Balance as per last financial statements		49.48	37.86
Add: Deficit for the year		26.78	11.62
Total		**76.26**	**49.48**

SCHEDULE ATTACHED TO AND FORMING PART OF ACCOUNTS

PARTICULARS	SCHEDULE	MARCH 31, 2018	MARCH 31, 2017
Fees (Net)	13		
Tuition Fees		32.83	32.45
Less: Tranferred to University Development Reserve (Note 4 of Schedule 26)		2.60	2.93
Total		**30.23**	**29.52**
Grants, Donations and Scholarships	14		
Donation		-	7.06
Total		**-**	**7.06**
Interest Income	15		
On fixed deposit (Net of allocation of Rs.0.01 Crores Previous year Rs.0.10 Crores)		3.31	3.11
On savings bank A/c		0.10	0.11
Incentive on Investments		0.02	-
Total		**3.43**	**3.22**
Other Income	16		
Consultancy Income		0.01	0.25
Overhead Recovery		0.14	0.37
Placement and Other Fees		0.60	0.15
Form Fee		0.29	0.21
Notice Pay		0.01	0.01
Sundry Balances written off		-	0.01
Services Charges		0.02	0.02
Admission cancellation charges		0.09	0.08
Other miscellaneous income		0.01	0.16
Total		**1.18**	**1.26**
Employee Emoluments	17		
Salary, Allowances and Bonus		29.57	23.98
Contribution to Retirement Funds		3.55	2.30
Staff Welfare		0.63	0.26
Honourarium		1.75	1.50
Total		**35.50**	**28.04**
Educational Expenses	18		
Collaboration Expenses (Net)		-	0.69
Students Educational Activities		2.39	2.17
Financial Aid to Students		0.43	0.39
Faculty Development		0.48	0.34
Sports and Games		0.06	0.06
Consumables		0.18	0.10
Other educational expenses		-	0.24
Total		**3.54**	**3.99**

SCHEDULE ATTACHED TO AND FORMING PART OF ACCOUNTS

PARTICULARS	SCHEDULE	MARCH 31, 2018	MARCH 31, 2017
Workshops/Events and Meeting Expenses	19		
Workshops, Events and Seminars (Net)		0.69	0.59
Meeting and Conferences		0.10	0.08
Total		0.79	0.67
Repairs and Maintenance Expenses	20		
Building Repairs and Maintenance		2.37	1.58
Campus Development		0.97	0.21
Repairs to Furniture/Equipment/Computer and others		1.24	0.98
Software Maintenance charges		0.05	0.11
Security Expenses		0.64	0.41
Rates and Taxes		0.39	0.42
Website Charges		0.25	0.05
Total		5.91	3.76
Travelling and Conveyance	21		
Domestic		0.14	0.27
CCRT Grant		-	0.01
Total		0.14	0.28
Finance Cost	22		
Interest on Bank Overdraft		0.21	0.14
Total		0.21	0.14
Other Administrative Expenses	23		
Utilities		1.60	1.60
Communication		0.78	0.51
Public Relation Activity		0.88	0.46
Insurance		0.14	0.44
Recruitment		0.23	0.33
Stationery and Printing		0.36	0.33
Legal and Professional Fees		0.26	0.29
Audit Fees		0.02	0.02
Sundry Balances written off		0.06	-
Provisions for Doubtful Receivables		-	0.07
Other Misc expenses		0.26	0.14
Loss on sale of Fixed Assets (Net)		0.01	-
Total		4.60	4.19
Depriciation and Amortisation	24		
Depriciation for the year		11.93	12.66
Less: Transferred from Earmarked funds		1.00	1.05
Total		10.93	11.61

SCHEDULE 25

SIGNIFICANT ACCOUNTING POLICIES

1. Accounting Convention

The financial statements are prepared in accordance with the Indian Generally Accepted 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 Statments 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 could differ from these estimates. Difference between the actual results and estimates are recognised in the period in which the results are known or materialize.

3. Propety, Plant and Equipment (PPE)

3.1 PPE are stated at cost of acquisition inclusive of freight, duties and taxes and incidental and direct expenses related to acquisition.

3.2 PPE received by way of Donation are capitalised at value stated, by corresponding credit to Capital/Corpus Fund.

3.3 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

4.1 Depreciation of addition to PPE has been provided on pro rata basis i.e. from the date of put to use.

4.2 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 (a) depreciation on Building Improvements, which has been provided at Straight Line Method over a period of 10 years; (b) ERP Software is being amortised over the period of 5 years; (c) Other Software and Assets given to employees which are being amortised over the period of 3 years; (d) Depreciation on Scientific Equipment provided at 20%.

4.3 Assets costing individually Rs.5,000/- or less, wherever applicable, are depreciated at the rate of 100%.

4.4 Depreciation in Income & Expenditure Account is net of the amount of depreciation transferred from related earmarked/capital funds.

5. Revenue Recognition

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

5.2 Interest on Investment is recognised on accrual basis.

5.3 Donations/contributions are recognised on its ultimate collection.

6. Foreign Currency Transactions

6.1 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.

6.2 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 account by way of a note. Contingent asset are neither recognised nor disclosed in the financial statements.

SCHEDULE 26

NOTES FORMING PART OF ACCOUNTS

PARTICULARS	MARCH 31, 2018	MARCH 31, 2017
1. Tax Deducted at Source		
Interest Income	0.02	0.04
Other Income	0.00	0.01
Total	**0.02**	**0.05**
2. Capital Commitment		
Capital Contracts remaining to be executed and not provided for (Net of Advance)	30.76	8.99
Total	**30.76**	**8.99**
3. Expenditure in Foreign Currency		
Entrepreneurship Program	-	1.02
Foreign Travel and Workshop Expenses	0.13	0.16
Argosy Faculty Collaborative Exchange Programme Workshop	0.26	0.22
Faculty Development Expenses	0.04	0.05
Payment to visiting faculties	0.05	0.11
Payment towards fees for technical service	0.01	0.26
Payment for study material access	0.46	0.06
Total	**0.95**	**1.88**
4. Details of Movement in Earmarked Funds		
Addition during the year:		
Fund created out of Fees	2.60	2.88
Interest	0.01	0.10
Other Income	0.57	0.45
Donation for Recurring Expenditure	0.19	0.23
Fund created for Assets purchased during the year	0.61	1.19
Donation received	21.00	-
Total	**24.98**	**4.84**
Deduction made during the year		
Recurring expenditure incurred	0.52	0.43
Transferred to Income & Expenditure A/c to the extent of Depriciation	1.00	1.05
Scholarships & Freeship paid	1.54	1.04
Fund Written Off	-	0.24
Grant Refunded	0.02	-
Total	**3.08**	**2.75**

SCHEDULE 26

NOTES FORMING PART OF ACCOUNTS

5. Current Assets, Loans & Advances

In the opinion of the Management, current assets, loan 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 of 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

Signed
CA. Chokshi Shreyas B.
Partner
Membership No. 100892
Ahmedabad
June 9, 2018

Signed
Sanjay S. Lalbhai
President

Signed
B.M Shah
Registrar and Chief Financial Officer

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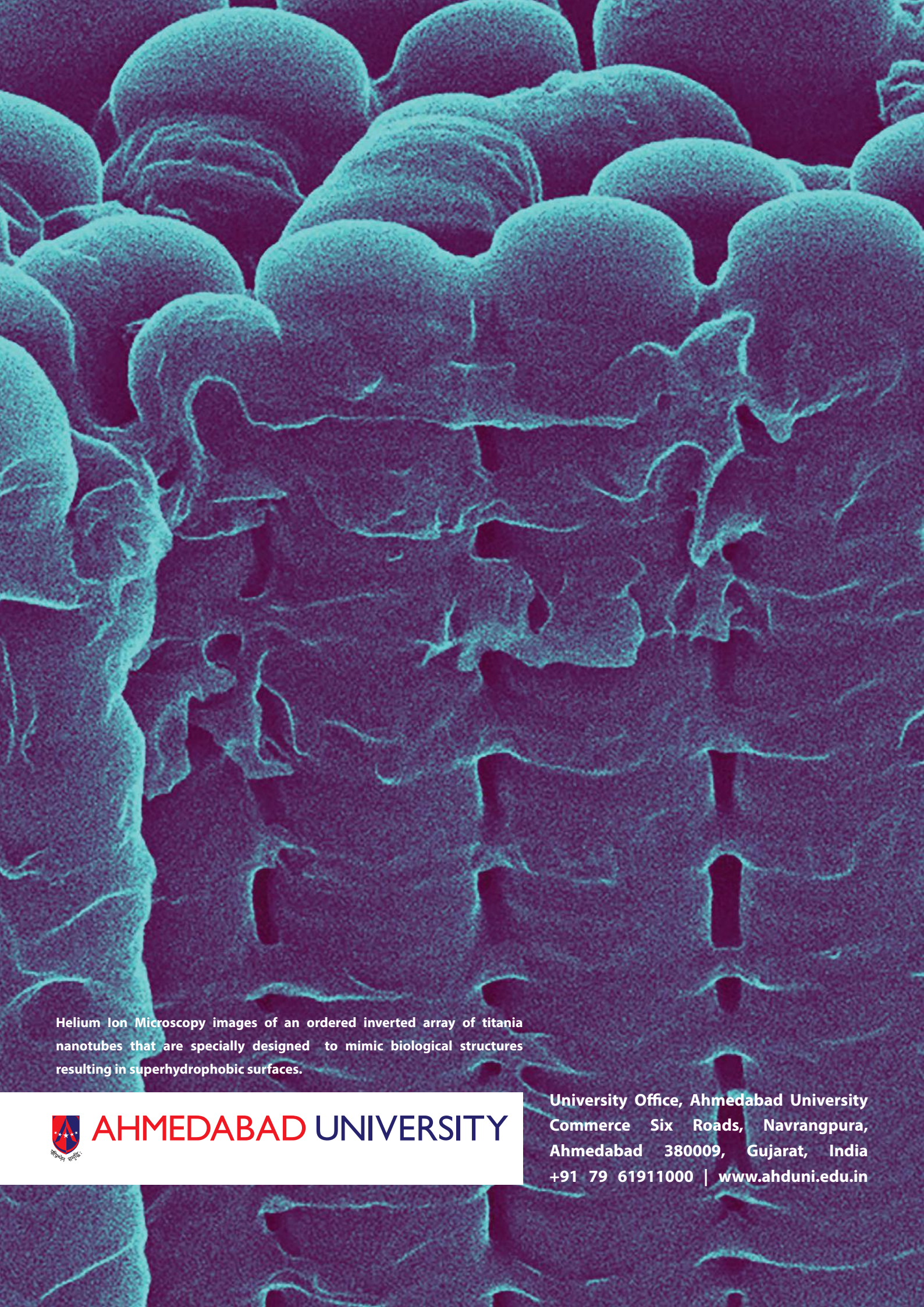A G Campus, Navrangpura,
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Helium Ion Microscopy images of an ordered inverted array of titania nanotubes that are specially designed to mimic biological structures resulting in superhydrophobic surfaces.

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