ANNUAL REPORT

2016-17

AHMEDABAD UNIVERSITY

Overview

Our purpose is "to foster continuous progress of self and society." The University's motto "Pariprashnena Samriddhi" calls upon the campus community to engage in learning through a spirit of inquiry 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 80-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, University of California at Berkeley, University of Maryland, Columbia University, Imperial College London, University of Edinburgh, University of Texas at Austin, etc.

Our mission:

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

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

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

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

Our Foundations: Ahmedabad Education Society

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 over 80 years ago 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 for Environmental Planning and Technology. The trust has established an endowment to support the building of a serious academic centre at Ahmedabad University.

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

Chairman's Message
Reimagining the Classroom

Pankaj Chandra
Vice Chancellor & Chairman
Board of Management
Ahmedabad University

On behalf of the Ahmedabad University community, I am happy to present the Annual Report of the University for the academic year 2016-17. This year has been one of intense transformation and reorganisation. The new world of employment for our students and challenges facing the society require new knowledge that lie at the boundaries of disciplines and an ability to apply them innovatively. Education at the University is being navigated in this direction. We reorganised the University into four Schools and four Centers in order to bring synergies among them. The Schools became more flexible in terms of their programme offerings and the interdisciplinary nature of their curriculum. This is a beginning to a different type of conversation and enquiry on our campus – more integrative and deeper. The Amrut Mody School of Management saw a consolidation of its programmes to reduce redundancy in courses and increase the breadth of offering. The School of Arts and Sciences got off the ground through the reorganisation of the Life Sciences group as the division of Biology and Life Sciences within the School. The School has also started hiring faculty in its other divisions of Humanities and Languages, Social Sciences and Mathematical and Physical Sciences.

Our biggest experiment in building interdisciplinary learning and perspectives in our students was the Independent Study Period or ISP. ISP was a bold step in the direction of acquiring and applying knowledge to address issues facing the society. All first year students went through an elective ISP course in studio format that taught them to engage deeply with a problem, apply knowledge from various domains, and learn by doing. The University is reimagining the classroom through experiential or project based learning and working to improve the motivation and engagement of students with learning. All Schools have also undertaken a review of their curriculum and ways of teaching in light of this approach to learning.

The year also saw the establishment of the Centre for Learning Futures (CLeF) to advance our experiments in pedagogy and learning. The mandate of the Centre is to help students learn better and faculty teach more impactfully, through newer ways of teaching and learning, including the use of technology. CLeF is going to play a crucial role on our campus as the reading and writing centre of the university that will help our community, particularly the students, communicate better.

The Undergraduate Research Programme initiates undergraduate students to methods of research, enables them to explore their interests, and creates opportunities for them to work on research projects of faculty. Research funding from external sources improved and the University implemented a tenure system for new faculty. Ahmedabad University is perhaps one of the four institutions in the country that have a tenure process in place. We also established startup grants and seed grants for faculty to support their research. The University believes that faculty must excel in both teaching and research for it to become impactful in the society.

It has been an exciting year, which saw both the fine tuning of our strategic priorities and developing plans to allow us to meet our objectives and differentiate us from our peers.

Year at a glance

Admissions Process: The Holistic Criteria

We admit students based on holistic admission criteria that considers 10th to 12th grade scores along with extracurricular achievements and personal statements. We interview every candidate to understand their individual strengths. We do not have a management or any other form of quota that gives certain students a preference during admissions.
This "Merit-based and means-blind" system ensures applicants are chosen purely on merit and pushes for greater diversity in our student body.

Financial Aid and Merit Scholarship Schemes

We have been making continuous efforts to ensure that deserving students are not deprived of the chance to higher education. Ahmedabad University has instituted two key mechanisms: Financial Aid to grant financial assistance to students based on their economic backgrounds and the Merit Scholarship to award scholarships to bright and keen applicants. Assistance ranges from a partial waiver of tuition fees to complete coverage of educational costs.

Financial Aid 2016-17

Total Students: 252 | Total Amount: Rs. 108 lakhs

Summer Term

This year, we implemented the Choice Based Credit System, which gives students the flexibility to pursue courses of their interest and aptitude, at their pace. We also introduced the Summer Term this year that allows students to pursue additional credits and graduate earlier or make up for deficiencies by enrolling for classes through their summer break. The response was overwhelming: over 200 students registered for eight courses, using their break to engage in academic work.

Centre for Learning Futures

Ahmedabad University has established the Centre for Learning Futures (CLeF) with the aim of addressing learning deficits in students. The objective of CLeF is to foster a culture of sustained and reflective self-learning in students. CLeF will organise customised reading and writing courses along with a tutorial programme for students who need help with their academic learning.

Career Development Centre

Our Career Development Centre is built to help students make decisions about their future. Whether it is further education or professional opportunities, the Centre helps students plan their professional lives. They can help students seek projects, internships and organise hiring opportunities through regular career counselling sessions. The Centre also organises workshops across schools to help students with their résumés, building their confidence in oral and written communication, preparing them for aptitude and analytical tests, group discussions, and personal interviews, along with workshops to develop well-rounded professionals.

AHMEDABAD UNIVERSITY

Amrut Mody School of Management

The Amrut Mody School of Management offers a range of Management programmes, from Undergraduate to Doctoral degrees as well as short term certificate programmes for practitioners. The School works closely with the industry to provide a balance between rigorous practice and strong conceptual education.

Overview

During the last academic year, the Management School's focus has been on the review of programme structures at both undergraduate and graduate levels, to align them with the University's vision with emphasis on rigour and interdisciplinary instruction. Accordingly, course offerings have been rationalised to make them accessible to wider audiences across different programmes. The School also adopted experiential learning pedagogies and introduced courses that use the Project Based Learning method. Additionally, there has been a renewed emphasis on use of cases with easy access to Harvard Business Publishing and other case collection libraries.

Programmes

Bachelor of Business Administration (BBA)
The BBA Programme is a three-year, full-time degree programme that offers the option of a dual specialisation. The Programme provides business education, interspersing management theory and practical insight from the industry. Students can choose any two from among Economics, Entrepreneurship, Finance, Human Resource Management, and Marketing for their specialisation.

Bachelor of Commerce (BCom)
The BCom Programme is a three-year, full-time degree programme that focuses on law, taxation and Banking Financial Services and Insurance (BFSI). The Programme also offers a broad learning experience through courses such as Mathematical Economics and Econometrics, Strategic Management and Entrepreneurship, and Elements of Mathematics.

Bachelor of Commerce (Professional)
The BCom (Professional) Programme is a first-of-its-kind three-year, full-time degree programme in India. It has been designed for students who intend to pursue professional qualifications, like CA, CS, CWA, ACCA, CIMA, CFA and CFP concurrently.

Integrated Master in Business Administration (iMBA)
The iMBA is a five-year, full-time degree programme, which combines the BBA and MBA degrees. The focus of the iMBA is family businesses, Entrepreneurship, and International Business with an entire semester dedicated to corporate internships. It emphasises experiential learning through industry-based projects.

Master of Business Administration (MBA)
The Master of Business Administration (MBA) is a two-year, full-time Master's programme with a provision for dual specialisation. Mentorship and summer internships are part of the curriculum design. A crucial component is the Individual Social Responsibility Initiative, a two-year mandatory, action-oriented course that enables every student to engage with questions of development of the larger society.

Doctor of Philosophy in Management (PhD)
The PhD in Management is offered in the areas of Finance, Marketing, Human Resource Management, Operations Management and other allied subjects.

Total Students Enrolled: 1,968

Undergraduate: 1,712 | **Graduate:** 252 | **PhD:** 4 | **Total Faculty:** 53 | **Total Staff (including faculty):** 96

Faculty Achievement

- **Professor Sudhir Pandey** was honoured with the Chairman's Award for Teaching at the University.

- **Professor Vaibhav Kadia** was honoured with the Chairman's Award for Institution Building at the University.

Student Activities and Achievements

- Seven undergraduate students visited Keio University, Japan, from 12-16 September 2016 for a weeklong workshop on entrepreneurship and innovation, and visited companies like Toshiba and RICHO.

- Four iMBA students participated in a month-long Immersion Programme at The Møller Centre for Continuing Education Limited, Churchill College, University of Cambridge, at the end of which each student put together their own business plan. The programme was held from 21 November to 16 December 2016 at Cranfield University, UK.

- Five students of the BBA and one from the iMBA Programme went to ESC Rennes School of Business, France for a semester-long exchange programme

- Amartya Sinha, a second year BCom student, was selected to travel to the US as part of the Study of US Institutes (SUSIs), a five-week short-term intensive academic programme, to enhance leadership skills.

Placements

- The MBA class of 2017 achieved 100 per cent placements across 29 companies including Asian Paints, Axis Bank, ICICI Securities, IQR Analytics, Vodafone, Evosys Global, Radio Mirchi, SBI Life, Intas Pharma, Micro Housing Finance to name a few.

- L&T Construction, TCS, Motif, Hyatt, Velocity Pharma and Arc Consulting among others participated in the placement campaign for the BBA and BCom batches of 2017.

- 40 of our students were admitted to renowned institutions including IIM Ahmedabad and IIM Calcutta, Kings College London, Xavier School of Management and IMT Ghaziabad, for graduate education.

Events

- **Manchtantra-Stories on Stage:** Our students organised a two-day festival "Manchtantra- Stories on Stage" on 24 and 25 March 2017, where various cultural competitions were held across two days.

- **ArthVaad 2017:** Undergraduate students organised the 2nd edition of the annual Economics Festival – "ArthVaad" on 18 March 2017.

- **Intellectus 2017:** We organised "Intellectus", a national event for undergraduate students on 10 and 11 March 2017. Events included essay writing, book review, extempore speaking competition and group discussion where 32 participants from 11 universities across India participated.

- **Rang Taali:** BCom students organised the first ever Management School-level Garba night, "Rang Taali" on 6 October 2016.

Research Seminar Series

- **Aditi Deo** spoke on "Vernacular Music and its Publics: Exploring the Political Dimensions of Sounds and Technologies in Bikaner" on 7 April 2017.

- **Anudeep Gill** spoke on "Life-Cycle Labour Supply Response to the Earnings Test" on 10 February 2017.

- **Aparajita Basu** spoke on "The True, the Good and the Beautiful: Idealizing Japanese Femininity in the Debate About Women's Education in India, 1900-1915" on 25 April 2017.

- **Arpita Mathur** spoke on "Border Thinking in Action: Issues of Legitimization of Everyday Corruption" on 14 October 2016.

- **Ashwin Pande** spoke on "Topological T-duality for Three-Manifolds" on 5 June 2017.

- **Debapriya Chakraborty** spoke on "Policy Dilemma: Road Pricing or Road Space Rationing: A Case Study of Santiago, Chile" on 21 March 2017.

- **Garga Chatterjee** spoke on "Is the Web as good as the Lab - Comparison of Behavioural Data and Crowd Sourcing Strategies" on 5 April 2017.

- **George Jose** spoke on "Hawa Khaana in Vasai Virar - Urban Housing and the Commodification of Airspace in Mumbai's Periphery" on 20 February 2017.

- **Mary Ann Chacko** spoke on "Learning to Govern: Student Police Cadets and the Making of Democratic Citizens in Kerala, India" on 31 May 2017.

- **Mayank Raj Gupta** spoke on "The Evolution of Shadow Banking System in Emerging Economies: The Role of Entrusted Loans in China's Capital Market" on 2 June 2017.

- **Priyatej Kotipalli** spoke on "Value, Culture and Economics - An Introduction to the Value Based Method" on 31 March 2017.

- **Professor Abrar Ali Saiyed** spoke on "Becoming a Better Researcher – Everyday" on 18 July 2016.

- **Professor Abrar Ali Saiyed** spoke on "New Venture Internationalization in Emerging Economies: The Shifting Role of Industry Concentration" on 22 April 2016.

- **Professor Aparajith Ramnath** spoke on "Indianisation and the Culture of Public Works Engineering, 1900-40" on 25 January 2017.

- **Professor Chirantan Chatterjee,** IIM Bangalore, spoke on "Exogenous Demand Shocks and New Product Introductions: Evidence from a Quasi-Natural Experiment in India's Vaccine Markets" on 24 August 2016.

- **Professor Devesh Kapur**, Centre for Advanced Study of India, at University of Pennsylvania spoke on "The Other One Percent: The Stories of Indian Immigrants to the US" on 16 January 2017.

- **Professor Jeemol Unni** spoke on "Educational Mismatch, Informality and Returns to Education: Urban Labour Market in India" on 9 December 2016.

- **Professor John C. Camillus**, Katz Graduate School of Business, University of Pittsburgh, spoke on "Taming Wicked Problems in Strategy ", "Wicked Strategies", and "The Business of Humanity" on 19 August 2016.

- **Professor Keshab Das** spoke on "Indian Labour Market Dynamics: Issues in Informality and Globalisation" on 16 January 2017.

- **Professor Manmohini Dutta** spoke on "Upakāra: The Theory of Spiritual Service and Women's In Inheritance in the Dāyabhāga" 6 June 2017.

- **Professor Payel C. Mukherjee** spoke on "Practicing Cosmopolitanism: In Between the Ideas of Home, the World, and Nation" on 16 November 2016.

- **Professor Pulak Ghosh**, IIM Bangalore, spoke on "Big Data for Policy: Opportunities and Challenges Ahead" on 23 November 2016.

- **Professor Rashmi Gupta** spoke on "Role of Emotion, Motivation and Value on Attention" on 21 April 2017.

- **Professor Sanjoy Chakravorty**, Temple University, spoke on "The Other One Percent: The Selection and Diversity of Indians in America" on 30 July 2016.

- **Professor Sumitava Mukherjee** spoke on "Prospective Judgments of Small Gains and Losses: Implications of Prospect Theory" on 15 December 2016.

- **Professors Ruchi Tewari and Ekta Sharma** spoke on "Teaching Business Ethics with Special Focus on Environmental Responsibility, Using Hinduism as a Tool" on 13 April 2016.

- **Punarjit Roychowdhary** spoke on "Peer Effects in Consumption" on 15 November 2016.

- **Rahul Kumar** spoke on "Entrepreneurial Cognition in enterprise creation: New Opportunities in Entrepreneurship Research" on 10 November 2016.

- **Rustu Duran** spoke on "Ordinal Sampling Based Procedures" on 22 February 2017.

- **Sanjukta Das** spoke on "Rethinking Approaches to Food Security and Poverty in Developing Economies" on 14 March 2017.

- **Sriparna Ghosh** spoke on "Firm Exit: Does Regulation Matter?" on 7 February 2017.

- **Sujana Kabiraj** spoke on "Local Growth and Convergence in India (2000-2010)" on 21 February 2017.

- **Distinguished University Professor C. Rangarajan** spoke on "Changing Contours of Globalisation" on 22 March 2017.

Workshops

- **StudioMetamorphosis:** This was a two-day workshop for students designed to help them understand their role as future managers in an organisational context. 25 students from across the country, and diverse educational backgrounds, participated. The workshop was held on 15 and 16 April 2017.

- **Research Methods in Management and Social Sciences:** Professor Ramadhar Singh, University Distinguished Professor, Ahmedabad University, conducted an extensive course on research methodology for our faculty members from February to April 2017.

Industrial Visits

- Students visited the headquarters of Balaji Wafers Pvt. Ltd near Rajkot on 17 February 2017.

- Students visited Jyoti CNC Automation Ltd in Rajkot on 18 February 2017.

- Students visited Vadinar Power Company Ltd in Jamnagar on 18 February 2017.

- Students visited Reliance Industries Ltd, including the main unit of the Reliance refinery, Domestic Tariff Area in Jamnagar on 18 February 2017.

- As part of Discovering India-I and II, the first year iMBA students were taken on a 10-day educational study tour to expose them to the culture and heritage of India. Students participated in a study tour to Bangalore, Mysore, Hassan and Hampi in Karnataka. The trip took place from 16-27 May 2017.

Grants

- **Professor Darshana Padia** received a grant of Rs 6 lakhs by the Gujarat Social Infrastructure Development Society to prepare the Dahod District Human Development Report.

- Three research proposals from our Management School were awarded grants by Ahmedabad University's University Research Board.

    o **Professor Sumitava Mukherjee** was awarded a seed grant of Rs 1.2 lakhs for his research proposal entitled "In Search of Inflexion Points in the Value Function of Prospect Theory".

    o **Professors Ekta Sharma** and **Ruchi Tewari** were awarded a grant of Rs 5.8 lakhs for their research proposal entitled "Importance of Moral Character and Foreseeability in Leadership Effectiveness".

    o **Professors Sonal Yadav, Mita Suthar,** and **Himani Baxi** were awarded a grant of Rs 2 lakhs for their research project titled "Measuring impact of Demonetisation in Rural Economy".

Guest Lectures

- **Aniket Talati**, Chartered Accountant and Partner at Talati and Talati Chartered Accountants, spoke on the impact of Demonetisation on 16 November 2016.

- **Desh Deshpande**, President and Chairman of Sparta Group LLC spoke on Venture Capital Investment on 13 January 2017.

- **Pavan Bakeri**, Director, Bakeri Engineers and Industries Ltd. spoke on the basics of running a start-up, on 19 October 2016.

- **Pravin Sumesara**, Manager, Franklin Templeton Investments and Sumedh Gupte, Regional Manager, Business Standard, spoke on Indutry trends in hiring on 7 September 2016.

- **Professor Chandra Sekhar Bahinipati** spoke on Introduction to Environmental Economics on 17 January 2017.

- **Professor Peng Hwa Ang**, Wee Kim Wee School of Communication and Information, Nanyang Technological University Singapore, spoke on "How to Do Academic Research and How to Get Published" on 27 April 2017.

- **Sukrita Paul Kumar**, a poet and expert on partition narratives, spoke on her experiences while compiling her book "Speaking for Myself" on 22 March 2017.

- **Terence Rebelo and Asim Chandwani**, Senior Managers from IQR Consulting, spoke about how Data Analytics has helped their national and international clients understand website enhancement, influencer marketing and understanding the world of digital marketing on 2 March 2017.

- **Umang Hutheesing**, the Founder-President of the Hutheesing Heritage Foundation and the Hutheesing Design Company, spoke on Indian textile heritage and its significance to culture, history, and enterprise on 23 February 2017.

Research at the Amrut Mody School of Management

Student Research

1. **Shah, D., and Sharma, A.** "Climate Change and India". Undergraduate Research Conference, Jindal School of Liberal Arts and Humanities, Sonipat, April 2017.

2. **Dhingra, C.** "Literature as a Reflection of Life - Freedom Autographs". Jindal School of Liberal Arts and Humanities, Sonipat, January 2017.

3. **Gupta, S.** "Effect of Crop Insurance Schemes on Farmer Suicides in India". Niti Samvaad, St. Xavier's Mumbai, February 2017.

4. **Jethwani, P., Jain, A., Shah, K., Desai, A., Kumarswami, A., Sharma, M., Bindal, P. and Adani, U.** (2016). A Comparative Study of Member Based and Non Member Based Vegetable and Fruit Vendors under Decent Work in Ahmedabad City. Imperial Journal of Interdisciplinary Research, 2(4), 885-889.

5. **Malpani, P.** Global Economy and Indian Stock Markets. National Convention, Institute of Chartered Accountants of India, December 2016. She won the best paper award for her publication.

6. **Shah, R., and Bhrambhatt, H.** "Interpreting Identity crises among the Tibetan Diaspora in Exile". Undergraduate Research Conference, Jindal School of Liberal Arts and Humanities, Sonipat, April 2017.

Published Books

1. **Bhat, S.D. (2017)** Indians in Victorian Children's Narratives. Animalizing the "Native" (1830-1930) Maryland, Lexington Books (Rowman and Littlefield).

Book Chapters

1. **Baxi, H. (2016)** Urban Finances in Gujarat: A Critical Analysis in A.S. Rao and A. Nanavati (Eds.) India's Urban Environment: Changing Scenario. Department of Economics, Centre for Research in Planning & Development, 108-122.

2. **Baxi, H., and Shah, A. (2017)** Fiscal Decentralization and Challenges to Indian Cities in P.C. Panda and R. Panda (Eds.) India and the New World Order, Kumud Publications, 190-210.

3. **Bhat, S.D. (2017)** The Collapse of the American Dream: Representation of Anguish. Interrogating Terrorism: Role of Media and Literature. D. Joshi and D. Walia (Eds.) Jaipur: Yking Books, 88-98.

4. **Chandra, P. (2017)** Governance in Higher Education: A Contested Space (Making the University Work) in D. Kapur & P.B. Mehta (Eds.). Navigating the Labyrinth: Perspectives on India's Higher Education, Hyderabad, Orient Blackswan, 235-264.

5. **Kadiya, S., and Bhatt, V. (2016)** Fuzzy Logic Application to Brand Assessment for Smartphones in India in Consumer Behaviour and Contemporary Marketing Strategy, 119-131.

6. **Kadiya, S., Parashar, S., and Bhatt, V. (2016)** Reaction to MGNREGA's Advertising Stimuli: A Fuzzy Perspective in Consumer Behaviour and Contemporary Marketing Strategy, 307-316.

7. **Mehta, B. (2016)** Responsible Marketing in the Digital Age in Navigating Towards Sustainable Development: A Compilation of Concrete Initiatives, Edition 01, Himalaya Publishing House, 144-148.

8. **Pandya, R. (2017)** Case Study: VentureStudio, Ahmedabad University in Innovative Youth Incubator Awards in G.A. Kenneth (Ed.). An Anthology of Case Histories UK, ACP Ltd, 73-87.

9. **Sharma, E., and Tewari, R. (2017)** Winds of Change: Uprooting the Foundation in S. Bansal and A. Rajesh (Eds.) Business Cases for Management, New Delhi, Penguin, 156-168.

10. **Tewari, R., and Sharma, R. (2017)** To Live or To Work: The Kapoor's Dilemma in S. Bansal and A. Rajesh (Eds.) Business Cases for Management New Delhi, Penguin, 47-58.

11. **Unni, J., and Sarkar, S. (2017)** Employment and Education: An Exploration of the Demand-side Story in D. Kapur and P.B. Mehta (Eds.). Navigating the Labyrinth: Perspectives on India's Higher Education, Hyderabad, Orient Blackswan, 157-184.

Journal Articles

1. **Dalal, K. K. (2016).** A Review of Financial Literacy and Gender Issues in India. International Journal of Research in Social Sciences, 6(7), 644-658.

2. **Kalro, A. H. and Sharma, E. (2016).** Institution Building in Higher Education: IIMK and AU Experiences. Indian Journal of Industrial Relations, 52(2), 192-202.

3. **Kureshi, S., and Thomas, S. (2016).** A Study of Cause Related Marketing Initiatives and Consumer Insights: Evidences from the Indian Context. South Asian Journal of Management, 23(2), 109-130.

4. **Sahoo, B. K., Singh, R., Mishra, B., and Sankaran, K. (2017).** Research productivity in management schools of India during 1968-2015: A directional benefit-of- doubt model analysis. Omega, 66(Part-A), 118-139.

5. **Saiyed, A. A., Basalingappa, A., and Sinha, P. K. (2016).** Value Network in Heritage Walks: Case Studies of Ahmedabad City Walks. Journal of Heritage Management, 1(2), 191-204.

6. **Shah, R. and Tewari, R. (2016).** Demystifying 'selfie': a rampant social media activity. Behaviour and Information Technology, 35(10), 864-871.

7. **Sharma, E. (2016).** Stress: Indefensible Syndrome of Defensive Lawyers. Indian Journal of Training and Development. 46(1), 23-37.

8. **Sharma, E., and Tewari, R. (2017).** Teaching Sustainability Through Traditional Wisdom: A Conceptual Framework For Business Studies. Current Science. 113(2), 236-244.

9. **Shriram, K., Sapna, P., and Sanket, V. (2016).** Work demand pattern analysis for MGNREGA: with special reference to 18 Indian states. Scientific Papers Series-Management, Economic Engineering in Agriculture and Rural Development, 16(4), 307-316.

10. **Singh, R., Goh, A., Sankaran, K., and Bhullar, N. (2016).** Similarity and Liking Effects on Interpersonal Attraction: Test of the Two-Dimensional Trust-Respect Model, Psychologia, 59(1), 1-18.

11. **Singh, R., Wegener, D. T., Sankaran, K., Bhullar, N., Ang, K. Q., Chia, P. J., and Chen, F. (2017).** Attitude similarity and attraction: Validation, positive affect, and trust as sequential mediators. Personal Relationships, 24(1), 203-222.

12. **Thomas, S., and Kureshi, S. (2017).** Exploring the interconnections of consumer preference between cause type and cause scope in a cause-related marketing activity: evidence from Indian context International Journal of Indian Culture and Business Management, 14(3), 365-373.

13. **Tripathi, V. (2016).** Corporate Financing Pattern and Capital Structure Analysis of Leading Automobile Companies in India: A Panel Data Regression. Journal of Commerce & Accounting Research, 5(4), 45-55.

14. **Tripathi, V., and Rao, K. B. (2016).** Progress Card of the Indian Automobile Industry. IUP Journal of Business Strategy, 13(3), 48-61.

15. **Trivedi, C. and Oza, B. (2017).** From Fine A Balance, To Refine: Dalit 'Self' Theory and Literature, Contemporary Literary Review India. 4(1), 107-126.

16. **Trivedi, T., Parwani, A., Bhatia, J., Mittal, M., Kapoor, H., Makhija, I., and Dhandhukawala, A. (2016).** A Study on Socio-Economic Impact of Sabarmati Riverfront on Life of Displaced Communities. Imperial Journal of Interdisciplinary Research, 2(7), 1578-1602.

17. **Unni, J. (2017).** Inclusive Urbanisation: Informal Employment and Gender. IIC Quarterly, 55-64.

Conference Presentations

1. **Baxi, H.** Fiscal Decentralisation in Gujarat: Challenges for Economic Development. International Conference on Contemporary Issues in Development, Vishleshan Trust, International School of Development Studies Australia and Department of HRD, VNSG University, Surat, December 2016.

2. **Baxi, H.** Role of State and Federal Finance for Economic Development of Gujarat. 47th Annual Conference, Gujarat Economic Association, January 2017.

3. **Jha M. and Sharma E.** A Perception of B-School Stakeholders to Identify the Gap Between Management Education and Industry Expectations. ICMC 2017, MICA, Ahmedabad, January 2017.

4. **Jha, M. and Sharma, E.** Stakeholder Engagement Matrix and Audit to Strengthen Corporate Social Responsibility 7th International Conference on Excellence in Research and Education, IIM Indore, May 2016.

5. **Kadiya, S. and Bhatt, V.** Fuzzy Logic Application to Brand Assessment for Smartphones in India Consumer Behaviour and Contemporary Marketing Strategy. 20th Nirma International Conference on Management, Nirma University, Ahmedabad, January 2017.

6. **Kella, C., Maiolini, R., Sharma, E., and Giustiniano, L.** Side Dish of Volunteering: Cafeteria Approach for CSR Strategy Strategic Management Society, Hong Kong, December 2016.

7. **Manek, P.** An Ecological Reading of I. Allan Sealy's The Everest Hotel: A Calendar. XIX International Conference on Materialities: Objects, Matter, Things, Doon University, Dehradun, December 2016.

8. **Mukherjee, S. and Srinivasan, N.** Preference Reversals of Comparative Affective Judgements in the Prospect Theoretic Value Function. 29th APS Annual Convention, Boston, May 2017.

9. **Pandya, R.** Case Study: VentureStudio, Ahmedabad University. International Conference of Innovation and Entrepreneurship, Malaysia, April 2017.

10. **Pathak, T.** The Use of Monetary Policy as a Tool to Manage Asset Prices Bubbles: An Empirical Study. India Finance Conference, IIM Ahmedabad, December 2016.

11. **Pathak, T. and Tewari, R.** PIF as a Tool for Sustainable Development. 4th International Communication Management Conference, MICA, Ahmedabad, January 2017.

12. **Rawat, B. and Jha, M.** An Analysis on Home Equity Conversion Mortgage in Ahmedabad 20th NICOM International Conference on Management, Nirma University, Ahmedabad, January 2017.

13. **Saiyed, A.A., Fernhaber, S., Basant, R. and Karthik, D.** The Internationalisation of New Ventures in a Post-Liberalisation Era: the Shifting Role of Industry Concentration. 20th McGill Conference on International Entrepreneurship, Vaasa, August 2016.

14. **Saxena, S. and Thaker, N.** The Visit to Mausar: A Perspective on Rathyatra. Ahmedabad GSMC, IIM, Raipur, India, February 2017.

15. **Shah, A.Y.** Growth of Health Insurance Sector Post Liberalisation. India 3rd International Conference on Multidisciplinary Research and Practice, Ahmedabad, December 2016.

16. **Shah, A.Y.** Analysis of Growth Indicators of Health Insurance. India National Seminar on Digital India: Issues and Opportunities for Digital Empowerment, Junagadh, March 2017.

17. **Shah, R. and Tewari, R.** Communication and HR Structures at SME's in Gujarat: An Analysis of 5 Case Studies. 12th Biennial Conference on Entrepreneurship, EDI, Ahmedabad, February 2017.

18. **Shah, R. and Tewari, R.** Critical Analysis of the Quantum and Direction of Corporate Social Responsibility in India. MICA, Ahmedabad, January 2017.

19. **Shah, S., Kingma, B., Ji, X., Yu, X. and Zhang C.** The Global Sandbox: The International Entrepreneurship Classroom. 61st Annual ICSB World Conference, New York, June 2016.

20. **Sharma, E. and Tewari, R.** Medical Practitioners and the Emotionality: Emotional Intelligence, Emotional Labour, and Burnout. International Conference on Healthcare Management Services, IIM Ahmedabad, December 2016.

21. **Sharma, E. and Tewari, R.** Winds of Change: Uprooting the Foundation. AMITY Annual Conference on Business, Amity University, Noida, September 2016.

22. **Singh, R.** Validating Cognitive and Emotional Urges to Comprehend and Predict One's Surroundings. 26th Annual Conference of the National Academy of Psychology, Indian Institute of Technology Madras, Chennai, December 2016.

23. **Suthar, M. and Jain, A.** Heritage in India: The Means for Inclusive Economic Development? – Case of Sheep Wool Craft. Kachchh Region 19th International Conference on Cultural Economics, Association for Cultural Economics, Valladolid, June 2016.

24. **Tewari, R.** Communication Confusion. Amity Annual Conference on Business Cases, Amity University, Noida, September 2016.

25. **Thomas, S. and Kureshi, S.** An Exploratory Study of Cause Related Marketing: Role of Donation Structure and Cause Proximity. 7th Conference on Marketing in Emerging Economies, IIMA, Ahmedabad, January 2017.

26. **Tripathi, V.** Determinants of Leverage for Leading Automobile Companies in India and Industry in General: A Panel Data Approach. India Finance Conference 2016, IIM, Ahmedabad, December 2016.

27. **Tripathi, V.** The Current Configuration and the Growth Trajectory of Sales, Production, and Exports of Indian Automobile Industry. National Conference, Knowledge Consortium of Gujarat, Ahmedabad, September 2016.

28. **Trivedi, B.S.** Classical Estimation of Parameters of Misclassified Size Biased Generalised Poisson distribution. Silver Jubilee International Conference on Interdisciplinary Mathematics, Statistics and Computational Techniques, Department of Mathematics and Statistics, Manipal University, Jaipur, December 2016.

29. **Trivedi, B.S.** Classical Estimation of Parameters of Misclassified Size Biased Borel Tanner Distribution. 5th International Conference on Advanced Data Analysis, Business Analytics and Intelligence, IIM, Ahmedabad, April 2017.

30. **Trivedi, T.** Sudesh Mishra's 'Un-homely' Poetry: The Case of Indians. Fiji 33rd Annual Symposium of Borders and Mobility, University of Hawaii, Honolulu, April 2016.

31. **Yadav, S.** Issues Concerning the Employment, Production and Working Conditions in Indian MSMEs after Economic Reforms: A Study of Small Scale Engineering Industries of Gujarat. XI International Conference on Public Policy and Management, Centre for Public Policy, IIM Bangalore, August 2016.

32. **Yadav, S.** Labour and Employment in a Highly Industrialised State, Gujarat. 30th International Conference on Imagi/Nation: India/Canada Past, Present, and Future, Gujarat University, Ahmedabad, March 2017.

33. **Yadav, S. and Suthar, M.** Employment and Productivity: The Role of Labour Market Flexibility. Indian Micro, Small, and Medium Enterprises, 58th Annual Conference, The Indian Society for Labour Economics, Guwahati, November 2016.

Invited Lectures

1. **Baxi, H.,** "The Indian Workforce: Issues and Prospects", Refresher Course on Labour Economics and Research Method in Labour Studies, Indian Statistical Services, September 2016.

2. **Padia, D.,** "Small and Medium Sized Enterprises of Women: What Prevents Them to Become Multinationals?", University of Calcutta - Women's Studies Research Centre and Department of Economics, Kolkata, June 2016.

3. **Parikh, J.,** "Sampling Design", Knowledge Consortium of Gujarat, Ahmedabad, December 2016.

4. **Shah, S.,** "International Entrepreneurship Pedagogy", 5th Annual Deshpande Symposium on Innovation and Entrepreneurship in Higher Education, University of Massachusetts Lowell, June 2016.

5. **Singh, R.,** "How Birds of a Feather Flock Together?", Institute Colloquium, MUDRA Institute of Communication, Ahmedabad, October 2016.

6. **Singh, R.,** "Reading Reality", Valedictory Lecture 2nd Doctoral Consortium at IIT Bombay, Mumbai, January 2017.

7. **Singh, R.,** "Women opting out of STEM: Incompetence or Conforming to Gender Stereotypes?", National Institute of Advanced Study, Bengaluru, March 2017.

8. **Singh, R.,** National Workshop on Research Methods, Ganpat University, Mehsana, November 2016.

9. **Trivedi, C.,** "Effectiveness in Teaching at a Teacher's Training", Vasant Pathshala, Ahmedabad, August 2016.

10. **Trivedi, C.,** "Elitism and Club-Class in Gujarati Literature", Gujarat Literature Festival, Ahmedabad, December 2016.

11. **Trivedi, C.,** "Knowing Each Other: the Child's Bright Career is a Joint Responsibility", Eklavya Project, Samvedana Trust, Ahmedabad, May 2017.

12. **Yadav, S.,** "Indian Economy and Employment Trends", AD Patel Institute of Technology, Gujarat Technological University, Ahmedabad, July 2016.

Articles in Periodicals, Dailies, and Newspapers

1. **Tewari, R., and Sharma, E.** Demonetization: A Drive Towards Digital Economy, Times of India, Ahmedabad, 20 February 2017 .

2. **Trivedi, C.** Pol Ni Ek Dhalti Sanjhe, VAHI, Quarterly Literary Periodical. **(2017)**

3. **Jhaveri, H., and Choksi, A.** Crowd funding – A Mode of Risk Financing. Ahmedabad Chartered Accountant Journal 40(9), December 2016.

4.
   Jhaveri, H., and Choksi, A. Crowd funding in Practice. Ahmedabad Chartered Accountant Journal 40(10) January 2017.

5.
   Parashar, S., Kadiya, S., and Vatavwala, S. A Stellar Example of Rural Development, High Level of Awareness About MGNREGA Can Do Wonders, www.counterview.org. 28 October 2016. Last accessed on 14 September 2017.

The School of Engineering and Applied Science offers undergraduate, graduate and doctoral programmes with a student-centric, pedagogy that emphasises Project Based Learning. This approach instils an aptitude to solve complex problems so that our students remain strongly oriented towards design and innovation in everything they do. Its research programmes cut across contemporary areas of problem solving and development of new methods in engineering and technology.

Overview

In the last academic year, our Engineering School grew in terms of infrastructure as we established new teaching and research labs. The fabrication shop relocated to a new building with a 6,800 square foot floor space to support various engineering activities along with its own project house to support student projects.

We began to rethink the BTech Information and Communication (ICT) curriculum of the programme last academic year. We formed a committee of eight faculty members to identify issues in the curriculum, redefine the sequence of courses, introduce courses with a focus on Engagement and Application Based Learning and Education (ENABLE), and identify specialisation through combinations of core and elective courses. We also conducted a workshop with experts from IITB, IIIT-Delhi and TCS to discuss and finalise the revised curriculum.

We also initiated a similar process to revise the curriculum of our BTech degree in Mechanical Engineering programme to incorporate ENABLE courses. A committee of five faculty members revised the curriculum and presented it to experts from IISc, and IITB to finalise it.

As part of our partnership with Olin College of Engineering, Needham, US we began a faculty exchange programme. In December, Professor Siddhartan Govindasamy of Olin College taught one of the seven ENABLE courses offered at the Engineering School in the last academic year.

Programmes

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. Our students also learn to solve real-world problems, like wastewater treatment, energy integration and industrial separations. The programme also offers a window to cutting-edge areas of Nanotechnology and Surface Science.

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).

Bachelor of Technology in Information and Communication Technology (ICT)
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.

Master of Technology in Computer Sciences and Engineering (CSE)
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, ecommerce, and Agriculture. The programme also facilitates one year of research and industry-based thesis work.

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

Total Students Enrolled: 774

Undergraduate: 753 | **Graduate**: 10 | **PhD**: 11 | **Total Faculty**: 28 | **Total Staff (including faculty)**: 66

Faculty Achievement

- **Professors Mehul Raval, Dhaval Patel and Pratik Trivedi** spent the fall semester at Olin College of Engineering, Needham, US where they were involved in co-teaching Project Based Learning courses.

- **Professor Sanjay Chaudhary** participated in Olin Collaboratory from 6-10 June 2016 and the Olin Partners Conveying Meeting on 14 and 15 June 2016.

- **Professor Mazad Zaveri** received the Best Research Paper award for his paper "Investigation of Communication Schemes for ANN Implementation - Multiple Processing nodes (Based on FPGA/u-controller Boards)" at the International Conference on Advances in Computing, Communication, and Informatics held by the Department of Computer Science and Engineering, Maharaja Sayajirao University of Baroda on 25 February 2017.

- **Professor Dharmesh Varade** received the Best Oral Presentation award for his research on "Synthesis of Catalytically Active Bimetallic Nanocrystals – Clay Composite Materials" at the 3rd International Congress on Advanced Materials held in Bangkok, Thailand, held on 27-30 November 2016.

Student Achievements and Activities

- Vaibhav Joshi, a PhD scholar at SEAS, received a fellowship from the Japan Science and Technology (JST) Department under its Sakura Exchange Programme and was invited to Okayama University, Japan from 22 July to 2 August 2016.

- The Institute of Electrical and Electronics Engineers (IEEE) – student branch at Ahmedabad University organised Code OverSEAS, the first-of-its-kind international coding competition in association with the Informatics Institute of Technology, Sri Lanka. Twenty teams participated in the final coding competition held on 2 October 2016.

- We conducted the first IEEE Xtreme Competition, a global challenge, in which teams of IEEE student members solve a set of programming problems in 24 hours, on 22 October 2016.

- The IEEE – student branch at Ahmedabad University coached school children for the First Lego League (FLL) India, a national-level competition where students from ages 9 to 16 programmed an autonomous robot, built using a Lego Mindstorms robot set, in February 2017.

- A team of four students qualified for Amritapuri and Kharagpur regionals of the ACM-ICPC contest, an algorithmic problem-solving contest in December 2016.

Placements

- The 2nd batch of BTech Information and Communication Technology achieved 86 per cent placements with few students getting multiple offers. A total of 54 companies participated in the process from diverse technological areas including Amazon, Coviam, Evosys Global, eClinical Works, eInfochips and ArguSoft.

- Two other highlights from the year included: Amazon hiring two students as Software Development Engineering interns and Aruba Networks - a Hewlett Packard Enterprise company hiring a student.

Events

- **Ingenium 2017:** Ingenium, our annual technology festival, which offers students opportunity to highlight their technical skills and spirit of innovation, was held in February 2017. About 1,200 students from 21 institutions participated in the event. Hackathons and workshops served as precursor events to the festival with more than a 100 students volunteering to organise and manage the fest.

- **Ghummar 2017:** The annual Navratri evening was organised at the Engineering School's Convocation Ground in October where around 500 students participated.

- **Calypso 2017:** Calypso was the first annual musical night where more than 50 students and faculty members performed and participated.

- **Jashn-e-Aaghaaz 2017:** Students organised events for our annual cultural fest. Astitva, a popular band from Delhi, performed, along with a performance by Funkaar Gigs.

- **Technocruise:** The School hosted the first ever prelim of TechKriti in Ahmedabad on 21 and 22 January 2017.

Research Seminar Series

In the academic year 2016-17, many renowned academics from India and abroad visited SEAS and shared their research. The following research seminars were organised:

- **Manish Gupta**, Infosys Foundation Chair and Co-Founder - CEO, VideoKen, Bengaluru, spoke on "Applying Data Science to Real World Problems" on 17 April 2017.

- **Professor Bhuvanesh Gupta** from IIT Delhi spoke on "Wonders created when a Polymer Scientist meets Biologists" on 5 April 2017.

- **Shailesh Nayak** from Earth System Science Organisation, Delhi, spoke on "Mitigating Tsunami Risk in the Indian Ocean" on 15 March 2017.

- **Professor P. Selvam** from IIT Madras spoke about his research on "Nanostructured Materials and their Applications in Catalysis" on 10 February 2017.

- **Arup Das Gupta**, Managing Editor of GIS Development Magazine, spoke on "Challenge for Geospatial Data Analyst to Merge Data Sources and Model Events to Predict or Suggest Future Course of actions" on 11 January 2017.

- P**rofessor Danino Dganit** from Technion, Israel, spoke on "Application of CryoEM to Soft Molecular Assemblies" on 5 December 2016.

- **Professor R. Padhi** from IISC Bengaluru spoke on "Fascinating Applications of Optimal Guidance in Challenging Space Missions" on 24 October 2016.

- **Professor KS Gandhi** from IISC Bengaluru demonstrated the "Life and Death of Lead-Acid Battery" on 28 September 2016.

- **BLV Prasad** from NCL Pune spoke on "Molecular Tools for the Manipulation of Size, Surface Chemistry and Assemblies of Metal Nanoparticles" on 7 September 2016.

- **Professor Umesh Bellur** from IIT Bombay spoke on "On Fragmentation in Virtualised Data Centres" on 26 September 2016.

- **Professor RK Shevgaonkar** from IIT Bombay spoke about the "Invisible Universe" on 11 August 2016.

- **Professor Srikrishnan Divakaran** spoke on "Constrained Generalised Tree Alignment: A Tree Optimisation Problem" on 31 March 2017.

- **Professor Barbara Morawska** spoke on "Logic for Knowledge Representation" on 17 February 2017.

- **Professor Sunil R Kale** spoke on "Revisiting Engineering Education" on 11 February 2016.

- **Professor Prawal Sinha** spoke on "The Analysis of Thermal Deformation of a Rough Slider, its Asperities, and its Impact on Load Generation in Parallel Sliders" on 27 January 2017.

- **Dr Hamid Krim** spoke on "Convexity, Sparsity, Nullity, and all that in Data Analysis" on 14 December 2016.

- **Professor Shamik Bhattacharya** spoke on "The Tricuspid Valve, a Forgotten Valve in our Heart: What Mechanical Engineers Can Do" on 4 December 2016

- **Dr Parth Gupta** spoke on "Mixed Script Information Retrieval" on 28 September 2016.

- **Dr Vijay Modi** spoke on "Sustainable Solutions For Domains Like Energy, Agriculture, And Water" on 27 July 2016.

Guest Lectures

- **Professor AVK Mohan**, Senior Director, Group Human Resources at Max Group spoke on "Role Effectiveness in Organisations" on 29 March 2017.

- **Professor Rajiv Shekar** spoke about Solar Thermal Energy on 9 February 2017.

- **Akshay Prasanna**, GIST, spoke about the IEEE Xplore Digital Library on 4 February 2017.

- **Yash Shah**, co-founder and CEO of Gridle part of a team from a CIIE–IIMA spoke on HTML and CSS on 2 February 2017.

- **Dr Harry Blom** spoke on "Trends in Scholarly Publishing and Publishing with Springer Nature" on 7 November 2016

- **Nikunj Patel**, Associate Vice President at IGATE, spoke on Organisational Trends in Placement on 6 April 2016.

- **Manan Thakker**, an advocate, spoke on Indian Cyber Laws and their relevance on 22 March 2017.

- **Dr Latha Kamat**, a radiologist in Ahmedabad, spoke to students about Women's Empowerment on 8 March 2017.

Industrial Visits

- Third year Mechanical Engineering students visited Ferromatik Milacron on 3 and 11 March 2017 where they learnt about the working of mechanical, electromechanical and electrically driven injection moulding machines, different types of quality management systems and advanced manufacturing processes.

- Second year Mechanical Engineering students visited RBD Engineers' foundry on 18 March 2017 as part of the course on Manufacturing Processes. They studied various steps of metal casting from melting of metals to sand casting and learnt about the working of machines like CNC, lathe, milling, shaping.

- Third year Chemical Engineering students visited Zydus Cadila Pharmaceuticals, Ankleshwar, on 10 September 2016. The trip helped familiarise students with the working of the plant and basic unit operations and processes.

- Third year Mechanical Engineering students visited Harsha Engineers and their manufacturing plant, where they observed state-of-the-art machine shops performing various manufacturing processes needed for bearing cage manufacturing.

Workshops

- **Dr Ashish Sureka**, Principal Researcher at ABB Corporate Research Centre, Bengaluru, conducted a workshop on "Artificially Intelligent Chat Bots for Customer Service" and "Constructing and Programming Robots using Lego Education Kit" on 7 and 8 April 2017.

- **Professor Mansukh Savaliya** conducted a workshop on Web Programming to familiarise students with basic concepts and give them hands on experience in programming. The workshop was organised by IEEE Students' Branch at Ahmedabad University on 17 April 2016.

- The Engineering School organised a one-day workshop in Cyber Security to promote awareness about cyber-crimes and its technicalities including cyber laws and methods to prevent attacks. The workshop was held on 19 February 2017.

Grants

During academic year 2016-17, faculty members received a total funding of Rs 2 crores for six externally funded research projects from organisations like Department of Science and Technology (DST), Department of Bio-Technology (DBT), DST-UK-India Education and Research Initiative (UKIERI), Gujarat Council on Science and Technology (GUJCOST), and Board of Research in Nuclear Sciences-Department of Atomic Energy (BRNS-DAE):

- **Professor Aditi Singhal** was awarded Rs 32 lakhs by DST-SERB Extra Mural Research Award (EMR) for her research on "Nanocrystalline Substituted Cobalt Based Metal Oxides for Oxygen Evolution Reaction: a Prerequisite for Photochemical Water Splitting" for a period of three years. Research partner: Arnab Dutta, IIT-Gandhinagar.

- **Professor Dhaval Patel** was awarded Rs 1.03 crore by DST-UK-India Education and Research Initiative (UKIERI), British Council for his research on "Non-parametric Smart Sensing Analytics Based on Large Spectrum Data and Estimation of Channel Activity Statistics" for a period of three years. Research partner: University of Liverpool, Department of Electrical Engineering and Electronics.

- **Professor Dharmesh Varade** was awarded a grant of Rs 40 lakhs, by Science and Engineering Research Board (SERB), Department of Science and Technology (DST), as a part of the Early Career Research Award programme, for his research on "Superstable Responsive Aqueous Foam for Synthesis of Novel Biomimetic Materials" for a period of three years.

- **Professor Harshal Oza** was awarded Rs 30 lakhs by Science and Engineering Research Board (SERB), Department of Science and Technology (DST), for his research on "Quaternion Based Leader-Follower Robust Tracking Control of an Industrial Robot Using an Anthropomorphic Arm" for a duration of three years.

- **Professors Mehul Raval and Sanjay Chaudhary** were awarded Rs 20.9 lakhs by Board of Research in Nuclear Science (BNRS), Bhabha Atomic Research Centre, Department of Atomic Energy, Government of India, for their research on "Description Based Person Identification in Unconstrained Surveillance Video" for a period of three years.

- **Professor Dhaval Patel and Professor Sanjay Chaudhary** were awarded Rs 4.3 lakhs by the Gujarat Council on Science and Technology (GUJCOST), Department of Science and Technology (DST), Government of Gujarat for their research on "Design and Performance Analysis of Non-parametric Detection Algorithm for Cognitive Radio - MIMO Communications" for a period of two years.

The Engineering School is working on research projects in areas of Automation and Robotics, Communication and Signal Processing, Chemical and Materials Engineering, Data Science, Internet of Things (IoT), Very-Large-Scale Integration (VLSI) and Physical and Mathematical Sciences.

The School also hosted a number of eminent speakers as part of the Research Seminar Series, expert talks, Faculty Seminars and Workshops, who spoke on topics ranging from Invisible Universe, Data Science, Constructing and Programming Robots, AI based Chat bots, Tricuspid Valve, Fascinating Applications of Optimal Guidance in Challenging Space Missions and When a Polymer Scientist meets Biologists. Some notable speakers included Professor Gaurav Sharma, IEEE Fellow and Professor at Rochester University and Professor Hamid Krim from North Carolina State University's Electric and Computer Engineering department.
Through the year, our faculty visited institutes like Worcester Polytechnic Institute, Stanford University, University of Illinois at Urbana Champaign in the US, and Okayama University in Japan, to explore research collaborations.

Student Research

1. **Aditya Parikh,** a final year, BTech (ICT) student received financial support from IEEE to present a paper at IEEE International Conference at Montreal, Canada.

2. **Joshi, V.,** An Invertible Fuzzy Scheme for Securing a Fragile Watermark. Institute of Electrical and Electronics Engineers (IEEE), International Conference on Computing analytics and Security Trends, College of Engineering, Pune, December 2016. He was awarded the Best Paper prize for his paper.

3. **Pipaliya, B., and Gariba, D.,** Modelling Human Behaviour in Smart Home Energy Management Systems via Machine Learning Techniques, IEEE International Automatic Control Conference, Taiwan, November 2016.

Published Books

1. **Bharti, A., Kundu, D., Rabari, D., and Banerjee, T. (2017).** Phase Equilibria in Ionic Liquid Facilitated Liquid–Liquid Extractions. CRC Press.

Book Chapters

1. **Prakash, S., and Kumar, S. (2017)** Microchannel fabrication via direct laser writing. Microfabrication and Precision Engineering, Woodhead publishing (Elsevier), 163-187.

2. **Subramanian, V., and Varade, D. (2016).** Thermoelectric Properties of Biopolymer Composites. Biopolymer Composites in Electronics, 155-183.

3. **Subramanian, V., and Varade, D. (2017).** Self-healed Materials from Thermoplastic Polymer Composites. In Smart Polymer Nanocomposites, Springer International Publishing, 153-180.

Journal Articles

1. **Agravat, R. R., and Raval, M. S. (2016).** Brain Tumor Segmentation. Remote Sensing And GIS. CSI Communications, 40, 31-35.

2. **Dhuria, M., and Goswami, G. (2016).** Perturbativity, vacuum stability, and inflation in the light of 750 GeV diphoton excess. Physical Review D, 94 (5), 055009.

3. **Dutta, G., and Mehta, M. (2016).** Comment on 'Yet another encounter with the golden ratio: balancing laminar bodies on the edge'. European Journal of Physics, 37(6), 068002.

4. **Garg, S., Garg, S., Modi, K., Modi, K., Chaudhary, S., and Chaudhary, S. (2016).** A QoS-aware approach for runtime discovery, selection and composition of semantic web services. International Journal of Web Information Systems, 12(2), 177-200.

5. **Goswami, G., Chakravarty, G. K., Mohanty, S., and Prasanna, A. R. (2017).** Constraints on cosmological viscosity and self-interacting dark matter from gravitational wave observations. Physical Review D, 95(10), 103509.

6. **Katheria, S., Gupta, A., Deo, G., and Kunzru, D. (2016).** Effect of calcination temperature on stability and activity of $Ni/MgAl_2O_4$ catalyst for steam reforming of methane at high-pressure condition. International Journal of Hydrogen Energy, 41(32), 14123-14132.

7. **Katheria, S., Deo, G., and Kunzru, D. (2017).** Washcoating of $Ni/MgAl_2O_4$ catalyst on FeCralloy monoliths for steam reforming of methane. Energy and Fuels, 31(3), 3143-3153.

8. **Kumar, J., Deo, G., and Kunzru, D. (2016).** Preferential oxidation of carbon monoxide on $Pt/\gamma-Al_2O_3$ catalyst: Effect of adding ceria and nickel. International Journal of Hydrogen Energy, 41(41), 18494-18501.

9. **Oza, H. B., Pandey, R., Roper, D., Al-Nuaimi, Y., Spurgeon, S. K., and Goodfellow, M. (2017).** Modelling and finite-time stability analysis of psoriasis pathogenesis. International Journal of Control, 90(8), 1664-1677.

10. **Padole, M. C., Gangwar, B. P., Pandey, A., Singhal, A., Sharma, S., and Deshpande, P. A. (2017).** Adsorption of C_2 gases over CeO_2-based catalysts: synergism of cationic sites and anionic vacancies. Physical Chemistry Chemical Physics, 19(21), 14148-14159.

11. **Patel, M. R., Patel, R. A., Varade, D., and Pithawala, K. A. (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.

12. **Prakash, S., and Kumar, S. (2017).** Fabrication of rectangular cross-sectional microchannels on PMMA with a CO_2 laser and underwater fabricated copper mask. Optics and Laser Technology, 94, 180-192.

13. **Prakash, S., and Kumar, S. (2017).** Experimental investigations and analytical modeling of multi-pass CO_2 laser processing on PMMA. Precision Engineering, 49, 220-234.

14. **Prakash, S., and Kumar, S. (2016).** Experimental and theoretical analysis of defocused CO_2 laser microchanneling on PMMA for enhanced surface finish. Journal of Micromechanics and Microengineering, 27(2), 025003.

15. **Prakash, S., Acherjee, B., Kuar, A. S., and Mitra, S. (2016).** Robust Parameters Design and Optimization of an Underwater Nd: YAG Laser Microchanneling Process Using the Taguchi Method. Lasers in Engineering (Old City Publishing), 33 (1-3), 87-102.

16. **Singhal, A., Bisht, A., Kumar, A., and Sharma, S. (2016).** One pot, rapid synthesis of Co_3O_4 by solution combustion method and its electrochemical properties in different electrolytes. Journal of Electroanalytical Chemistry, 776, 152-161.

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

18. **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.

Conference Participations

1. **Bhatt, H., Dutta, S., Banerjee, T., and Rabari, D.** Kinetic Study of Non-Catalytic Methane Decomposition Using Quantum Calculation. International Workshop on Introduction to Gaussian. New Delhi, January 2017.

2. **Bhavsar, Y., and Mehta, M.P.** Analysis and Visualisation of Health Data from the CAB Database. IEEE sponsored International Conference on Algorithms, Methodology Models and Applications. Chennai, February 2017.

3. **Chauhan, S., Patel, P., Delicato, F. C., and Chaudhary, S.** A development framework for programming cyber-physical systems. Proceedings of the 2nd International Workshop on Software Engineering for Smart Cyber-Physical Systems. ACM, May 2016.

4. **Desai, A., and Chaudhary, S.** Distributed Decision Tree. In Proceedings of the 9th Annual ACM India Conference. ACM, October 2016.

5. **Divakaran, S.** Fast Algorithms for Exact String Matching. Proceedings of the Winter School of Combinatorics. Charles University, April 2016.

6. **Hiremath, D. B., Shah, P., and Chaudhary, S.** ICT Interventions to Improve the Performance of Canal Irrigation Sector in India. Proceedings of the 8th International Conference on Information and Communication Technologies and Development. ACM, June 2016.

7. **Huber, O. and Oza, H.** Implicit Numerical Integration for the Simulation and Control of a Non-Smooth System with Resets. 55th IEEE Conference on Decision and Control. Las Vegas, December 2016.

8. **Joshi, V.B., Raval, M.S., Gupta, D., and Rege, P.P.** An Invertible Fuzzy Scheme for Securing a Fragile Watermark. IEEE International Conference on Computing, Analytics and Security Trends. Pune, December 2016.

9. **Katheria, S, Deo, G., and Kunzru, D.** Promotional Effect of Rh on $Ni/MgAl_2O_4$ Catalyst for Steam Reforming of Methane: Effect of Calcination Temperature. South East Asia Catalyst Conference. Singapore, May 2017.

10. **Kunzru, D.** Monolith Reactors for Heterogeneous Reactions. International Conference on Petroleum, Chemical and Energy Challenges. Jais, March 2017.

11. **Mehta, J., and Trivedi, P.** An Enhanced Mixed-Scaling-Rotation CORDIC Algorithm with Weighted Amplifying Factor. IEEE International Conference on Digital Signal Processing. Beijing, October 2016.

12. **Mehta, M.P.** A Variant of the Mid-Point Monodromy Algorithm. Conference on Nonlinear Systems and Dynamics. Kolkata, December 2016.

13. **Mehta, N. and Zaveri, M.** Investigation of Communication Schemes for ANN Implementation - Multiple Processing nodes (Based on FPGA/u-controller Boards). International Conference on Advances in Computing, Communications, and Informatics. Maharaja Sayajirao University, Vadodara, February 2017.

14. **Mewada, M. and Zaveri, M.** A Low-Power High-Speed Hybrid Full Adder. International Symposium on VLSI Design and Test. IIT Guwahati, May 2016.

15. **Mewada, M. and Zaveri, M.** An Input Test Pattern for Characterisation of a Full-Adder and N-Bit Ripple Carry Adder. International Conference on Advances in Computing, Communications, and Informatics. LNMIIT, Jaipur, September 2016.

16. **Oza, H. and Padhi, R.** Finite-Time Partial IGC Approach for Formation Flying with Collision Avoidance. 13th International Conference INDICON. Bangalore, December 2016.

17. **Oza, H., Orlov, Y., and Spurgeon, S.** A Unified Lyapunov Function for Finite time Stabilization of Continuous and Variable Structure Systems with Resets. 55th IEEE Conference on Decision and Control. Las Vegas, December 2016.

18. **Parikh, A., Raval, M. S., Parmar, C., and Chaudhary, S.** Disease Detection and Severity Estimation in Cotton Plant from Unconstrained Images. Data Science and Advanced Analytics (DSAA), IEEE International Conference, IEEE, October 2016.

19. **Patel, M., Chaudhary, S., and Garg, S.** Performance modeling of skip models for VM migration using Xen. Computing, Communication and Automation (ICCCA), 2016 International Conference. IEEE, April 2016.

20. **Patel, M., Chaudhary, S., and Garg, S.** Performance modeling of skip models for VM migration using Xen. Computing, Communication and Automation (ICCCA), 2016 International Conference. IEEE, April 2016.

21. **Prakash, S. and Kumar, S.** CO_2 Laser Micro-Channeling Process: Effects of Compound Parameters and Pulse Overlapping. Advances in Materials and Manufacturing Applications, Amrita University. Bangalore, July 2016.

22. **Prakash, S., Kumar, N., and Kumar, S.** CO_2 Micro-Channeling on Polymethyl Methacrylate (PMMA) at Different Defocusing. All India Manufacturing Technology, Design and Research Conference, College of Engineering, Pune, December 2016.

23. **Prakash, S., Kumar, N., and Kumar, S.** Monte-Carlo Based Uncertainty Analysis for CO_2 Laser Micro-Channeling Model. Advances in Materials and Manufacturing Applications, Amrita University. Bangalore, July 2016.

24. **Prakash, S., Kumar, N., and Kumar, S.** Studies of Laser Textured Ti-6al-4v Wettability for Implants. Advances in Materials and Manufacturing Applications, Amrita University. Bangalore, July 2016.

25. **Shah, P., Hiremath, D., and Chaudhary, S.** Big Data Analytics Architecture for Agro Advisory System. High Performance Computing Workshops, IEEE 23rd International Conference. Hyderabad, December 2016.

26. **Srivastava, P., Katheria, S., Kumar, V., Deo, G., and Kunzru, D.** Effect of Adding Noble and Non-Noble to $Ni/MgAl_2O_4$ Catalyst on the High Pressure Activity of Steam Reforming of Methane. 7th Asia-Pacific Congress on Catalysis. Mumbai, January 2017.

Invited Lectures

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

2. **Chaudhary, S.,** "Teaching Pedagogy", Faculty Induction Programme, Nirma University, Ahmedabad, June 2017.

3. **Chaudhary, S.,** "Big Data Analytics in Agriculture', International Conference on Statistics and Big Data Bioinformatics in Agricultural Research", ICRISAT, Patancheru, November 2016.

4. **Kunzru, D.,** "Monolith Reactors for Heterogeneous Reactions", Keynote Lecture International Conference on Petroleum, Chemical and Energy Challenges, Jais, March 2017.

5. **Gandhi, R.,** "Dimensionality Reduction", Machine Learning for Big Data Analytics, GCET, Vallabh Vidhyanagar, Gujarat, November 2016.

6. **Gandhi, R.,** "Algorithmic Economics", Research Trends in Engineering and Technology, BVM, Vallabh Vidhyanagar, Gujarat, August 2016.

7. **Mehta, M.,** "Technology Assisted Teaching: Use of Moodle, an online course Management Tool", National convention of Indian Association of Physics Teachers, Gandhinagar, KSV University, October 2016.

8. **Mehta, M.,** "A Variant of the Mid-Point Monodromy Algorithm", CNLD-2016, IISER, Kolkata, December 2016.

9. **Mehta, M.,** "Nonlinear Dynamics in Mathematics and Physics: Simple Models", 18th Research Methodology Workshop, Mathematical Methods in Chemistry and Physics, Knowledge Consortium of Gujarat, Ahmedabad, January 2017.

10. **Patel, D.,** "Performance analysis of SIMO Wireless System and Applications", LD College of Engineering, Ahmedabad, April 2017.

11. **Patel, D.,** "Advanced Communication Techniques", Technical Education Quality Improvement Programme (TEQIP), Government College of Engineering, Gandhinagar, March 2017.

12. **Varade, D.,** "Surfactant Micelles and Foams", ITC Life Sciences, Bangalore, September 2016.

13. **Patel, D.,** "Superstable Aqueous Foams", SVNIT, Surat, October 2016.

14. **Patel, D.,** "Surfactant a Ubiquitous Molecule", Chemistry Meets Technological Development, VS Patel College, Bilimora, January 2017.

15. **Patel, D.,** "On the Origin of Stability of Foams Made from Catanionic Surfactant Mixtures", 2nd National Conference of Surfactant and Colloids, UICT, Mumbai, February 2017.

16. **Patel, D.,** "Synthesis of Catalytically Active Bimetallic Nanocrystals–Clay Composite Materials", 3rd International Congress on Advanced Materials, Bangkok, November 2016. He also received the Best Oral Presentation Award.

17. **Varade, D.,** "Novel Catalytically Active and Thermally Stable Bimetallic Nanocrystals in the Presence of Clay", International Conference on Nanomaterials and Nanotechnology (ICNANO), VBRI, Allahabad, March 2017.

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

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

20. **Varade, D.,** "Aqueous Foam Stabilized by Vesicles", University of Maryland, College Park, June 2017.

21. **Varade, D.,** "Outstanding Stability of Aqueous Foams Made from Catanionic Surfactant Mixtures", 7th Asian Conference on Colloid and Interface Science, Kuala Lumpur, August 2017.

22. **Raval, M.,** "Data Hiding Techniques for Securing Biometrics", Security Workshop, Okayama University, Okayama, July 2016.

23. **Raval, M.,** "Living Within Olin Eco System", Olin College of Engineering, Needham, November 2016.

24. **Raval, M.,** "Robust Video Segmentation", LD College of Engineering, Ahmedabad, April 2017.

25. **Goswami, G.,** "Gravitational Waves and Viscosity of Dark Matter", 24th International Conference on Supersymmetry and Unification of Fundamental Interactions, Melbourne, July 2016.

26. **Goswami, G.,** "Gravitational Waves and Viscosity of Dark Matter", 22nd International Symposium on Particles, String and Cosmology, Quy Nhon, July 2016.

27. **Goswami, G.,** "Aspects of Modern Cosmology: Inflation, GWs and DM", Institute Seminar, Saha Institute of Nuclear Physics, Kolkata, August 2016.

28. **Goswami, G.,** "Constraints on Cosmological Viscosity and Self Interacting Dark Matter from Gravitational Wave Observations", 3rd Saha Theory Workshop: Aspects of Early Universe Cosmology, Saha Institute of Nuclear Physics, Kolkata, January 2017.

29. **Goswami, G.,** "Higgs instability and De-Sitter Radiation", From Strings to LHC – IV, Tata Institute of Fundamental Research, Jalpaiguri, March 2017.

One of the leading institutes for in Computer Studies in Gujarat, the School of Computer Studies inculcates technological expertise in our students for the development of their career. The School has a strong application-orientation and a hands-on approach to learning; the curriculum is contemporary and industry-oriented, with specialisations in IT and computing.

Overview

The School offered students seven courses during their summer break. These courses provided hands-on exposure in the domain of Mobile Computing, Web Application Development, Open Source Technologies, Business Analytics and Networking related technologies. Students worked on problems of cleanliness, traffic and parking in Ahmedabad to provide digital, technology-driven solutions in a course titled "System Design for Societal Problems".

Through the last year, students were offered ENABLE courses where they worked in groups to solve a problem and apply theoretical learning to practical questions. We also offered several University-wide courses on Research Methodology and Scientific Communication, Information Management using Database Systems and Environmental Studies and Disaster Management.

Our final-year students pursued full-semester Industry Internships and worked on projects to apply the concepts of Computer Science and IT in different industry domains. Some unique projects included:

- Epidemiology Data Analysis and Data Mining
- HDFC Ergo Policy Insurance Engine
- ezExtraction – Big Data Application in Legal domain
- E-filling review tool (Online Stamping Tools for pdf Document)
- 3D Animation Multiplayer Mobile Game
- Smart Bin for Clean Ahmedabad
- IoT based Home Automation
- Electronic Health Record System
- Urology Patient Monitoring System
- Agriculture Portal for Farmers

With the Bring Your Own Device (BYOD) concept, all classrooms provide a class-cum-lab environment by making education at the School more practically oriented. There are specialised labs for Mobile App Development including Apple Lab, IBM Rational Software Engineering, Distributed Computing, Enterprise Application Development and Open Source Technology.

Faculty members and students regularly use Massive Open Online Courses (MOOCs) like Coursera, edX, Udacity and blended MOOCs by IIT-B. The school acquired Oracle Academy membership and is also subscribed to Microsoft Edu-Cloud programme, ensuring that newer tools are continuously made part of our classrooms. The School was conferred the Distinguished College Award during the Computer Society of India's (CSI) Annual Academic Conference at IIT Bombay.

Programmes

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

Master in Computer Applications (MCA)
The Master's 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.

Total Students Enrolled: 433

Undergraduate: 242 | **Graduate:** 191 | **Total Faculty:** 13 | **Total Staff (including faculty):** 28

Student Activities and Achievements

- School of Computer Studies-Computer Society of India (SCS-CSi) Student Branch received Best Student Branch Award in Region-III (Gujarat, Rajasthan, and MP).

- Students from the School participated and won awards in Tech Kaushalya organised by Department of Computer Science, Gujarat University.

Faculty Achievement

- **Professor Aditya Patel** received the Longest Continuous Student Branch Coordinator award of CSI.

- **Professor Bipin Mehta** successfully completed his term as President of CSI for the year 2015-2016. The Executive Committee of CSI felicitated him for his contribution and he was nominated the Chairman, Academic Committee, CSI and Chairman, Awards Committee, CSI for 2016-17.

- **Professor Bipin Mehta** was appointed Director on the Board of CSI publications.

- **Dr E. Sreedharan,** Former Managing Director, Delhi Metro Rail Corporation felicitated Professor Bipin Mehta during the 57th Foundation Day celebrations of Gujarat State Centre of the Institution of Engineers (India) for his contribution as the Secretary of the Institution of Engineers in Gujarat.

- **Professor Sandeep Vasant** was elected Vice-Chairman and Chairman-elect of CSI- Ahmedabad Chapter for the year 2016-2017.

Placements

- 45 IT Companies visited the campus for placements. These include eClinical Works, Tatva Soft, Intech Systems, Capital Novus, Gateway Technologies, Elsner Technologies.

- The MCA class of 2017 achieved 100 percent placement of students.

- 92 percent students placed across both programmes, remaining opted for higher studies or to start their own ventures.

Events

- **CSI State Student Convention:** Students organised the CSI State Student Convention on the theme "Digital India" to contribute to "Digital India" and "Make in India" initiatives. Ravi Saxena, Founder of RISE (Removing Ignorance for Social Empowerment), delivered the keynote address. The convention took place on 3 and 4 February 2017.

- **CSI Student Branch and Association for Computing Machinery (ACM)** student branch organised a "Programme Debugging Competition" to encourage problem solving, algorithmic thinking and improve programme debugging/error solving skills of students. The contest took place on 7 September 2016.

- **The alumni association** held a social event to distribute free water pots for birds with students and faculty members. More than 50 volunteers distributed 1000 water pots in the city on 8 May 2016.

- The CSI student branch organised a session on "Entrepreneurship Development" on 18 September 2016. Speakers included Viral Shah, CEO, TechnoDoc Solutions, Deep Thakkar, Pankaj Wagh, Founder and Managing Director, IndyLogix Solutions and Paresh Vora, former Head of Operations, VentureStudio.

- **SCS-CSI Student Branch and SCS-ACM Students Chapter** organised an interactive session on Introduction to IoT Application on 1 March 2017.

Seminar Series

- **Chirendra Gupta**, Managing Director, Verve Systems Pvt. Ltd., was invited for a session to help prepare final year MCA students for placements on 28 September 2016.

- **Vishal Mehrotra**, Open Source Global Head, Tata Consultancy Services, Mumbai was spoke on "Treading Success with Open Source" on 15 October 2016.

- **Chandrakant Jalal**, AGM, SBI and **Shubha Bhabhalia**, Chief Manager, SBI spoke to students about the importance and advantages of Digital Payments on 4 January 2017.

- **Smita Jain**, IT Consultant, 4Site Technologies Pvt. Ltd. Spoke to students on "Software Project Management" on 11 January 2017.

- **Hemang Pandit**, Founder, MD and CEO of Ganesha Speaks.com spoke to students about Entrepreneurship for Techies on 18 January 2016.

- **Gujarat Police (Ahmedabad City Crime Branch)** organised a seminar on Cyber Security to which was led by JK Bhatt, Join Commissioner of Police (JCP-Crime Branch), Piyush Patel, JCP (sector -1), RJ Savani, JCP (admin), Rajdeepsinh Zala, (ACP-Crime Branch) and Bipin Ahire, DCP (Zone - 1). The seminar was held on 7 February 2017.

- **PU Asnani**, Chairman, Urban Management Consultants spoke on "Use of Information Communication Technology and Waste Management for Clean India Mission" on 23 February 2017.

Workshops

- The School conducted a career-counselling workshop where alumni members spoke to final year students on the professional requirements of the industry and career options available to them after their education.

- The School conducted a workshop for school principals and teachers on 30 July 2016. The workshop dealt with issues relating to current trends in ICT for effective teaching pedagogy, use of Google Apps for education, innovative educational Mobile apps and emerging trends in eLearning.

- The School conducted a workshop on Python programming to support the "I am Power" initiative by Techfest–IIT Bombay, which enables women students to accelerate their technical growth in programming, on 3 September 2016.

- The School organised a workshop on "Bringing Computational Thinking to Schools–CSPathshala" in association with ACM-India and Tata Consultancy Services, to promote computer science teaching in schools on 22 October 2016. Forty-five participants including computer science schoolteachers and principals of various schools attended the workshop.

- The School organised a workshop on "Use of Microsoft Excel" in association with ACM Ahmedabad Chapter on 30 March 2017 for women from Self Employed Women's Association (SEWA) to teach them the basics of computing and help them perform data analysis of their project "Samuthan".

Industrial/Field/Other Visits

- Third year iMCA students visited the GVK Emergency Management and Research Institute (EMRI) to understand the functionality of unique and innovative pro-poor 108 Emergency Management Services on 25 January 2017.

- Second year MCA students visited State Bank of India (SBI) In-Touch branch to explore various network security and banking transactions related aspects implemented by SBI on 11 January 2017.

- Second year iMCA students visited Vikram Sarabhai Space Exhibition (Space Application Centre-SAC) to understand the functions of ISRO on 18 March 2017.

- Students visited Gandhi Ashram to understand Gandhian philosophy, values and teachings on 25 January 2017.

- First year iMCA students visited the Sardar Vallabhai Patel National Memorial on 4 August 2016.

Grants

- **Professors Aditya Patel and Sandeep Vasant** were awarded Rs 1.5 lakhs by Gujarat Council on Science and Technology, Department of Science and Technology, Government of Gujarat for their research project titled "Analysis, Design and Development of ICT based model for Clean India Mission".

Research at the School of Computer Studies

The School began research in multiple areas in the last year. This included the design and prototyping of an online digital platform funded by the Government of Gujarat for Clean Ahmedabad to increase collaboration among citizens and government officials and address cleanliness related problems of the city. Some of our other research areas include Natural Language Processing, Insider Threat Management, Big Data, Machine Learning, Data Mining, Statistical Model, Probability Theory, Distributed Databases, Computer Network, Cyber Security, Ontology Learning and Internet of Things. During the year, more than 20 technical seminars, workshops, and lectures were organised, where experts from industry and academia spoke to students about their work.

Student Research

1. **Foram Dave and Parth Pandya** presented a research paper titled "Simplified Approach to Analyse System Log Files" at the National Conference on "Latest Trends in Networking and Cyber Security" held in March 2017. The International Journal for Innovative Research in Science and Technology published the paper.

Journal Articles

1. **Raulji, J. K., and Saini, J. R. (2016).** Stop-Word Removal Algorithm and its Implementation for Sanskrit Language. International Journal of Computer Applications, 150(2), 0975 – 8887.

2. **Vegda, H., and Modi, N. (2017).** Intrusion Detection in Wireless Network using BIOS and Motherboard Serial Number. International Journal of Computer Applications, 164(6), 0975 – 8887.

Conference Presentations

1. **Alwatban I.S. Emam A.Z. Timani H. and Joshi M.** "Associations Rule Hiding Based on Target Shuffling," International Conference on Computer Application and Technologies, Cairo, Egypt, January 2017.

2. **Patel A. and Vasant S.** "ICT Model for Clean India Mission," IEEE 11th INDIACom-2017, International Conference on Computing for Sustainable Global Development, Bharatiya Vidyapeeth Institute of Computer Applications and Management (BVICAM), New Delhi, March 2017.

3. **Patel K. and Mehta B.** "Critical Study and Analysis of Usefulness of Massive Open Online Courses (Virtual presentation)," 4th National IT Conference, Computer Society of Sri Lanka, Colombo, Sri Lanka, August 2016.

4. **Raulji J. and Saini J.** "Generating Stopword List for Sanskrit Language," IEEE 7th International Advance Computing Conference, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, January 2017.

5. **Thanawala P. and Joshi M.** "Autorec: Intelligent Agent for Rapid Recommendation to Engender or Sustain Blog-based Virtual Community," International Conference on Computing Communication Control and Automation, Pimpri Chinchwad College of Engineering, IEEE Pune Section, Pune, August 2016.

6. **Vashi D. Bhadka H. and Patel K.** "Challenges an Opportunities in Privacy Preserving Data Mining for Healthcare Dataset," International Conference on Research and Innovations in Science, Engineering and Technology, Birla Vishvakarma Mahavidyalaya Englineering College, Vallabh Vidyanagar, February 2017.

Presently, School of Arts and Sciences offers programmes in the Division of Biological and Life Sciences, which emphasises cross-disciplinary, research-based, teaching to foster a spirit of innovation in students. The School is also in the process of establishing divisions in Humanities and Languages, Social Sciences, Performing Arts, and Mathematical and Physical Sciences, and shall offer programmes therein starting 2018.

AHMEDABAD UNIVERSITY
School of Arts and Sciences
Division of Biological and Life Sciences

Overview

In 2016, the faculty at Biological Life Sciences received national and international grants worth approximately Rs 3 crores, and published high quality research in international peer reviewed journals, averaging of eight publications per year, per faculty.

We also admitted the third batch of the five-year integrated Master's programme (iMSc) at Biological Life Sciences and discontinued the two-year Master's programme.

We conducted a workshop on curriculum development to reimagine our iMSc programme from 2018. Professor Manjunatha Kini and Professor Prakash Kumar from National University Singapore, Professor Ramaswamy Subramaniam from inSTEM Bangalore and Professor Gayatri Pananghat from Indian Institutes of Science Education and Research-Pune were the external experts.

We intend to admit more PhD students and integrate the industry-sponsored PhD programme seamlessly with the full time programme.

Programmes

Integrated Master of Science in Life Sciences

The iMSc is a five-year, full-time Master's 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 area of Life Sciences.

PhD in Life Sciences

The doctoral degree programme in Life Sciences provides unparalleled 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.

Total Students Enrolled: 224

Undergraduate: 187 | PhD: 14 | Total Faculty: 9 | Total Staff (including faculty): 14

Faculty Achievement

- **Professor Ritesh Shukla** was awarded the Chairman's Award for Teaching at the University for his outstanding teaching contributions in February 2017.

- **Professor Ritesh Shukla** secured the best paper award in oral presentation category at the National Conference entitled "Future Perspective of Forensic Science in India" held in Jhansi, India on 10 and 11 March 2017.

- **Professor Sanjay Singh** was awarded the Yamagiwa Yoshida Memorial International study grant by the Union for International Cancer Control (UICC), Switzerland, in 2016, to work at University of Pennsylvania, USA.

- **Professor Sanjay Singh** was selected as the Ambassador, Australian Award by the Australian High Commission in New Delhi on 3 March 2017.

- **Professor Sanjay Singh** was awarded the prestigious "International Association of Advanced Materials Scientist Medal (IAAM Scientist Medal) for the year 2017" for his notable and outstanding contribution in the field of "Advanced Materials Science and Technology" on 1 March 2017.

- **Vivek Tanavde** was invited to be Panel Moderator at the 2nd Annual Meeting of the Molecular Society of Oncology (MOSCON), Ahmedabad on 22 January 2017.

- **Vivek Tanavde** was Invited Faculty at the International Conference on 'Updates in Cancer Prevention and Research (ICUCPR-2017) held at Babasaheb Bhimrao Ambedkar University, Lucknow from 14-16 February 2017.

- **Vivek Tanavde** was Invited Faculty at the 18th Indo-US Cytometry workshop held at Sanjay Gandhi Post Graduate Institute (SGPGI) and Central Drug Research Institute (CDRI) Lucknow from 17-24 February 2017.

Student Activities and Achievements

- Five students, including two PhD scholars, presented their original research papers on the use of Nanotechnology for Biomedical Applications at the 8th Ramanbhai International Symposium held at Zydus Cadila from 2 – 4 February 2017. The aim was to bridge the research endeavours taking place across the world, tracing the development of new molecules from the laboratory to the market and creating a platform for students to share their knowledge.

- In order to promote scientific awareness, keep up to date with the latest advances in the field of science and deepen theoretical knowledge, 3rd and 5th semester iMSc students were encouraged to participate in a weekly journal club where they presented papers published in reputed journals across areas like nanotechnology, biotechnology, immunology, cell and molecular biology.

- Harsh Dave, Bhavya Mod and Neha Bhandari, iMSc batch of 2019, won the best poster award in the Chemical Sciences Category at the Gujarat Science Congress held at PDPU, Gandhinagar, on 5 February 2017.

Events

- **National Science Day:** Biological Life Sciences organised National Science Day on 28 February 2017 to celebrate the discovery of the Raman effect. Students participated in scientific quiz and scientific writing.
- **Umang:** Students organised Umang, our cultural festival, from 31 March to 2 April 2017.

Field Trip

- First year students visited the Thol Bird Sanctuary and Indroda Park, Gandhinagar, as part of their Basic Biology curriculum on 22 January 2017.

Workshops

- In collaboration with iBioAnalysis Pvt. Ltd. we conducted a Clinical Flow Cytometry Workshop from 27 February to 1 March 2017. The workshop included a session by Dr William Telford from the National Cancer Institute, USA, to teach students build their own Cytometer.

- iMSc students organised Chiasma 2017 to discuss advanced tools and techniques used in biological research. The workshop was conducted from 31 March to 2 April 2017. Students from across Gujarat participated. The workshops held were:

    o **Mystery Behind Red Gold:** Biological Life Sciences conducted a workshop called "Mystery Behind Red Gold" to familiarise participants with the growing field of Nanotechnology.

    o **Decoding Life:** The Division conducted a workshop called "Decoding Life" to provide hands-on experience in basic molecular biology techniques like isolation of genomic DNA from bacteria, the purity assessment of the isolated DNA and analysis using Agarose Gel Electrophoresis.

    o **Biology Through Lens:** In this workshop, Biological Life Sciences students showcased the utility of light, fluorescence and electron microscopes in imaging and understanding the biological phenomenon.

    o **Biomolecules on Fingertips:** We conducted a workshop called "Biomolecules on Fingertips" that focused on the foundations and applications of bioinformatics, including areas such as homology modelling, electron density mapping, primer designing, and molecular docking.

- **Vaishwik Shah**, Project Assistant, attended a workshop on Global Initiative of Academic Networks (GIAN) Nanochemistry: From Preogranised Molecular Architectures to Functional Materials held at IIT-BHU, Varanasi, from 19-23 December 2016. The workshop provided an understanding of various aspects of nanoparticles. Students learned various methods of nanoparticles synthesis such as solid-state synthesis, mechanochemical technique, sol-gel method, solvo-hydrothermal methods, Chemical vapour deposition (CVD), Atomic Layer Deposition (ALD) and 3D printing and also visited laboratories having 500 MHz NMR, XRD, FTIR, electron microscope (200 keV) etc.

Grants

- **Professors Ajay Karakoti and Sanjay Singh** were awarded a research grant of Rs 32 lakhs by DST-SERB for their research project titled "Systematic Design of Redox Potential Tunable Nanoparticles to Mimic the function of biological enzymes for mitigating the diseases caused by reactive oxygen species" for a period of three years. Partners: School of Engineering and Applied Science, Ahmedabad University.

- **Professors Rishi Shanker and Ashutosh Kumar** were awarded a research grant of Rs 82.9 lakhs by the Indo-German Science and Technology Centre (IGSTC) for their research project titled "DNA Biochip for On-Site Water Pathogen Detection Including Viability and Antibiotic Resistance Testing" for a period of three years. Partners: Food GmbH Jena Analytik-Consulting, Leibniz Institute of Photonic Technology, Germany, and ABC Genomics, India.

- **Professors Rishi Shanker and Ashutosh Kumar** were awarded a research grant of Rs 53.52 lakhs by Gujarat Institute of Chemical Technology for their research project titled "Establishment of a Facility for Environmental Risk Assessment of Chemicals and Nanomaterials" for a period of three years.

- **Professor Ritesh Shukla** received a research grant of Rs 42 lakhs by DST-SERB as part of their Early Career Research Award Scheme for his research on "Design and Development of Multiplex Assay Integrated Nanodevice for Rapid 'On Field' Identification of Body Fluids" for a period of three years.

Research at the Division of Biological and Life Sciences

In 2016-17, our faculty published 36 peer-reviewed papers and received new external funding totalling Rs 3.95 crores. Two new research instruments, Fluorescence Spectrometer and RT-PCR were added to the pool of instruments. The division was also awarded an additional Rs 5.6 crores by DBT-BIRAC under its BioNEST programme to build a central laboratory to incubate start-ups in the area of Life Sciences.

In 2016-2017, 120 students from iMSc and 25 from the MSc programme undertook research projects at Biological Life Sciences. This includes projects on sequence similarity between Zika and Dengue viruses, reducing pesticides applications in crops to prevent surface water contamination from agricultural run offs, developing nanoemulsion of natural preservatives, miRNA biomarkers for oral tumours, development of paper-based diagnostic strips, and creating novel enzyme mimetics to carry out important biological functions.

Research Seminar Series

- **Professor B Ravindran** from ILS-Bhubaneswar spoke on the "Evolution of TLRs in Primates by Malaria and Sepsis" on 11 November 2016.

- **Professor David M Smith**, Fraunhofer Institute for Cell Therapy and Immunology (IZI) spoke on "Bottom-up Engineering of Nanoscale Devices to Programme Biological Materials" on 24 December 2016.

- **Professor S Ramaswamy** from inStem, Bengaluru spoke on "When curiosity did not kill the cockroach or the fish" on 16 November 2016.

- **Professor T Pradeep** from IIT Madras spoke on "Clean Water Using Advanced Materials: Science, Incubation and Industry" on 24 August 2016.

- **Professor Viola Vogel**, Department of Health Sciences and Technology, ETH Zurich, Switzerland, presented on "Mechanobiology: How our immune cells fight bacterial infections" on 4 January 2017.

Research at the Division of Biological and Life Sciences

Student Research

1. Senapati, V. A., Gupta, G. S., Pandey, A. K., Shanker, R., Dhawan, A., and Kumar, A. (2017). Zinc oxide nanoparticle induced age dependent immunotoxicity in BALB/c mice. Toxicology Research, 6(3), 342-352.

2. Savaliya, R., Singh, P., and Singh, S. (2016). Pharmacological Drug Delivery Strategies for Improved Therapeutic Effects: Recent Advances. Current pharmaceutical design, 22(11), 1506-1520.

3. Singh, R., Karakoti, A. S., Self, W., Seal, S., and Singh, S. (2016). Redox-sensitive cerium oxide nanoparticles protect human keratinocytes from oxidative stress induced by glutathione depletion. Langmuir, 32(46), 12202-12211.

4. Gupta, G. S., Dhawan, A., and Shanker, R. (2016). Montmorillonite clay alters toxicity of silver nanoparticles in zebrafish (Danio rerio) eleutheroembryo. Chemosphere, 163, 242-251.

5. Purohit, R., Vallabani, N. S., Shukla, R. K., Kumar, A., and Singh, S. (2016). Effect of gold nanoparticle size and surface coating on human red blood cells. Bioinspired, Biomimetic and Nanobiomaterials, 5(3), 121-131.

6. Patel, P., Kansara, K., Senapati, V. A., Shanker, R., Dhawan, A., and Kumar, A. (2016). Cell cycle dependent cellular uptake of zinc oxide nanoparticles in human epidermal cells. Mutagenesis, 31(4), 481-490.

Book Chapters

1. Dasgupta, N., Ranjan, S., Ramalingam, C., and Kumar, A. (2016). Nano in Nutraceuticals: Are they safe? Nanotechnology in Nutraceuticals: Production to Consumption. CRC Press, 317-343.

2. Gupta, G. S., Shanker, R., Dhawan, A., and Kumar, A. (2017). Impact of Nanomaterials on the Aquatic Food Chain. Nanoscience in Food and Agriculture (5), Springer, Cham, 309-334.

3. Shukla, R. K., Bajpayee, M., and Dhawan, A. (2016). Detection of DNA Damage in Different Organs of the Mouse. The Comet Assay in Toxicology, 30, 164-176.

Journal Articles

1. Guneta, V., Tan, N. S., Chan, S. K. J., Tanavde, V., Lim, T. C., Wong, T. C. M., and Choong, C. (2016). Comparative study of adipose-derived stem cells and bone marrow-derived stem cells in similar microenvironmental conditions. Experimental cell research, 348(2), 155-164.

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

3. Singh, R., Karakoti, A. S., Self, W., Seal, S., and Singh, S. (2016). Redox-sensitive cerium oxide nanoparticles protect human keratinocytes from oxidative stress induced by glutathione depletion. Langmuir, 32(46), 12202-12211.

4. Singh, S., and Kumar, A. (2016). Engineered Nanomaterials: Safety and Health Hazard, International Journal of Nanotechnology and Nanomedicine, 1(1), 1-23.

5. Singh, S. (2016). Cerium oxide based nanozymes: Redox phenomenon at biointerfaces. Biointerphases, 11(4), 04B202.

6. Gowda, R., Kardos, G., Sharma, A., Singh, S., and Robertson, G. P. (2017). Nanoparticle-based Celecoxib and Plumbagin for the Synergistic Treatment of Melanoma. Molecular cancer therapeutics, 16(3), 440-452.

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14. Shukla, R. K., Lodha, A. S., & Das, S. (2017). Stature estimation from footprint: A study on Central Indian population. European Journal of Forensic Science, 4(2), 1-9.

15. Shukla, R. K. (2016). Forensic Biotechnology: Application of Flow Cytometry in Legal Medicine. International Journal of Forensic Sciences, 1(1), 000103.

16. **Das, S. K., Rehman, I., Ghosh, A., Sengupta, S., Majumdar, P., Jana, B., and Das, B. B. (2016). Poly (ADP-ribose) polymers r**egulate DNA topoisomerase I (Top1) nuclear dynamics and camptothecin sensitivity in living cells. Nucleic acids research, 44(17), 8363-8375.

Conference Presentations

1. **Bhagat, S., Vallabani, S., Karakoti, A., and Singh, S.** The Facile Synthesis of Au (core)- CeO$_2$ (shell) Nanoparticles exhibiting multi Enzyme-like Activity. 8th International Symposium on Current Trends in Healthcare Advances in New Drug Discovery and Development, Zydus Cadila, Ahmedabad, February 2017.

2. **Shah, K., Singh, R., and Singh, S.** Cerium Oxide Nanoparticles mediates Protection of Mammalian Cells against Organophosphate Toxicity. 8th International Symposium on Current Trends in Healthcare Advances in New Drug Discovery and Development, Zydus Cadila, Ahmedabad, February 2017.

3. **Singh, R., Karakoti, A., Seal, S., and Singh, S.** Cerium oxide nanoparticles protect human keratinocytes from BSO generated oxidative stress, 8th International Symposium on Current Trends in Healthcare, Advances in New Drug Discovery and Development, Zydus Cadila, Ahmedabad, February 2017.

4. **Singh, S.** Multi target Antioxidant Nano construct for Prostate Cancer treatment. SERB –Young Scientists Meeting, Manipal University, Mangalore, August 2016.

5. **Singh, S.** Redox State Dependent Scavenging of Phosphate by Cerium Oxide Nanoparticles as an Antibacterial Strategy. International Conference on Nanomaterials and Nanotechnology, Vinoba Bhave Research Institute, Allahabad, March 2017.

6. **Singh, S., Sargia, B., Shah, J., Purohit, R., Singh, R., Arya, H., Shah, M., and Karakoti, A.** Redox State Dependent Scavenging of Phosphate by Cerium Oxide Nanoparticles as an Antibacterial Strategy. International Conference on Nanomaterials and Nanotechnology, Vinoba Bhave Research Institute, Allahabad, March 2017.

Invited Lectures

1. **Datt, M.,** "Bioinformatics Approaches for Drug Target Identification", National Conference, Chemistry of Light and Medicine, IIT Gandhinagar, December 2016.

2. **Kumar, A.,** "Flow Cytometry in Nanomaterial Toxicology", 18th Indo-US Flow Cytometry Workshop at CSIR-IITR, Lucknow, February 2017.

3. **Kumar, A.,** "Identification and Detection of Antibiotic Resistance Gene in Bacteria", Molecular Plasmonics, The Leibniz Institute of Photonic Technology, Jena, May 2017.

4. **Kumar, A.,** "Revolutionize Your Confocal Imaging", Imaging Workshop, Carl Zeiss India Pvt. Ltd., Bangalore, January 2017.

5. **Shukla, R.,** "Genotoxicity Assessment of Blood Enhancement Chemicals using Single Cell Gel Electrophoresis Method: Future Perspective", National conference on Future Perspective of Forensic Science in India, Bundelkhand University, Jhansi, March 2017.

6. **Shukla, R.,** "Significance of Flow Cytometry Based Micronucleus Assay in Nanomaterial Genotoxicity Study", 18th Indo-US Flow Cytometry Workshop at CSIR-Indian Institute of Toxicology Research, Lucknow, February 2017.

7. **Tanavde, V.,** "NGS & Flow Cytometry", 6th Annual Meeting of the Indian Academy of Biomedical Sciences, Bhavnagar, January 2017.

Centre for Heritage Management is a unique 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.

AHMEDABAD UNIVERSITY

Centre for Heritage Management

Overview

Heritage Management's first batch of students graduated this year. They pursued practicums in the US and India during their summer terms in organisations such as the National Parks Service of the American Government where one of our students was selected for the prestigious US-ICOMOS International Exchange programme. A group of students from the graduating batch volunteered to conduct an assessment of Buddhist heritage sites in North India, which culminated in a proposal for the holistic management of Buddhist sites of Gaya and nearby areas. The fieldwork resulted in a symposium organised by students on "Challenges of Managing Buddhist Heritage Sites in Northern India".

The Centre launched a peer-reviewed international Journal of Heritage Management, in partnership with Sage Publications. Padmabhushan Shri Gulam Mohammed Sheikh presided as the guest of honour. The journal promotes interdisciplinary research into the relevance and meaning of Heritage Management and addresses the challenge of applying management theories and techniques to the field of heritage preservation. At the same event, Heritage Management announced an annual "International Conference on Heritage Management Education and Practice". The response to our call for papers was very encouraging: We received about 100 abstracts from students and practitioners across 15 countries.

We also began a new collaboration with the Wildlife Institute of India (WII) and the UNESCO Category-2 centre in Dehradun to develop teaching modules. Dr Sonali Ghosh from WII taught the Natural Heritage component as part of the third semester course on Advanced Heritage Management Studies and helped guide a thesis in the area of National Parks Management.

Programmes

The Master's Programme in Management Studies (Heritage Management)
The Master's 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.

Total Students Enrolled: 19

Graduate: 19 | Total Faculty: 3 | Total Staff (including faculty): 9

Faculty Achievement

- **Professor Shahul Ameen** received his PhD from IIT Kanpur on "Religion, Civil Society, and Democracy: The Jamaat-e-Islami and the Solidarity Youth Movement in Kerala".

- **Professor Neel Kamal Chapagain** was an Executive Committee Member of the International Council on Monuments and Sites (ICOMOS), Nepal National Committee.

- **Professor Neel Kamal Chapagain** was named an Expert Member of ICOMOS – ISCEAH (International Scientific Committee on Earthen Architectural Heritage).

- **Professor Neel Kamal Chapagain** was named Chair of the Scientific Committee for the International Symposium on Heritage and Tourism: Exploring Issues and Opportunities for Post-Disaster Rehabilitation of Cultural Heritage, held in Kathmandu, organised by ICOMOS Nepal and UNESCO Kathmandu from 14-16 April 2016.

- **Professor Neel Kamal Chapagain** was the co-chair of the theme "Education: Learning and Unlearning" at the 8th World Archaeological Congress in Kyoto, Japan from 28 August to 2 September 2016.

- **Professor Neel Kamal Chapagain** was invited as a Resource Person as part of a workshop on Post-earthquake Recovery of Cultural Heritage, at the Department of Archaeology in Kathmandu, organised by Ritsumeiken University, Japan, and Department of Archaeology, Government of Nepal, from 28 February to 2 March 2017.

Events

- The Centre launched its peer-reviewed international **Journal of Heritage Management** on 31 August 2016. The journal was released by the guest of honour, **Padmabhushan Shri Gulammohammed Sheikh** along with **Professor Pankaj Chandra**, Chairman, Board of Management; **Professor Devanath Tirupati**, Dean, Amrut Mody School of Management; **Shri Debashish Nayak**, Director of Centre for Heritage Management; **Professor Rima Hooja**, Editor of the journal and Adjunct Faculty and **Professor Shahul Ameen**, Assistant Editor of the Journal and Faculty.

- **Professor Yudhishtir Raj Isar,** American University of Paris, spoke on "Heritage Discourses: Reflections on Heritage, Memory and Identity" on 17 March 2017.

- Students organised an Open House, which included a public lecture by **Yaaminey Mubayi,** a Social Development professional from Delhi on the "Issues and Challenges of Intangible Cultural Heritage Convention of UNESCO"; a Panel Discussion on "Can Heritage be Managed?" and an interactive theatre performance by **Arpita Dhagat** and her team on the theme of "Death, Departure and Decay."

- **Dr Vimmi Sadarangini** spoke on "Language as Identity: Challenges of Preserving Sindhi Language" on 12 August 2016.

- The Centre organised the concluding event of the 33-month long EU funded project **"Cultural Heritage Management and Venture Lab in Ahmedabad"** in April 2016. At the event, we released the "Manual of Best Practices in Cultural Heritage Management" created in collaboration with the University of Valladolid.

- We organised a Case Writing Workshop supported by the Centre for Cultural Resources and Training (CCRT), Government of India, on 15-16 December 2016, led by **Professor AH Kalro**.

- We held a symposium on "Challenges of Buddhist Heritage Sites Management in India" on 2 January 2017. The event featured presentations by final year students, who recently pursued fieldwork at Buddhist heritage sites at Bodhgaya and Jethian valley, and a talk by **Thomas Jones**, National Centre for Preservation Technology and Training, USA, on "The Evolving Paradigm and Future of Heritage Management in India".

- First year students organised a symposium on "Reflections from Field Immersion Programme" on 10 February 2017 where they presented and discussed their views on the Muziris Heritage Project.

- Students organised an interactive exhibition on Mata Ni Pachedi art on the occasion of the Annual Heritage Week Festival in Ahmedabad on 19 November 2016. The exhibit showcased the work of Chandrakant Chitara, a prominent Mata Ni Pachedi artist who was present for the event.

Industrial/Field Visits

- **Kochi Muziris, Kerala:** Our second batch of students visited Kochi as part of their immersion program in Kerala – focusing on communities around the Muziris Heritage Project and the Kochi-Muziris Arts Biennale from 5-11 December 2016.

- **Kutch:** The second semester concluded with a field-based learning course called "Indigenous Knowledge Systems Management", which took place from the 2-8 April 2017. Students and faculty stayed at the Khamir campus near Bhuj for a week and spent everyday at a heritage site focusing on a specific theme, such as agricultural practices, livestock and breeding knowledge, local water management systems, crafts community and their business, organisational intervention in helping communities revive their knowledge and come up with new products, music documentation and archiving, and the overall ecosystem of knowledge systems.

- **Mithakali Village and Halisa Village** – sites for Heritage Management Workshop courses. Students worked at the Mithakali Village in Ahmedabad as part of their requirement to participate in a workshop course to understand, identify and document heritage resources in a community, and analyse management challenges. In the second workshop, on designing strategies for heritage management to be shared with the community, they worked at Halisa village near Gandhinagar.

Student Practicum

- **Kalpana Chauhan** did her practicum with the newly created Museum Trust at Mehrangarh Fort in Jodhpur.

- **Shailja Parashar** pursued her practicum with "Bangla Natak dot com" in Kolkata. She explored Baul music and doll-making crafts in Natungram.

- **Leora Pezarkar** did her practicum with Setu Abhiyan in Kutch. She explored built, cultural, and community heritage, and the link between heritage and governance.

- **Vijay Ramchandani** did his practicum with the Indian Institute of Sindhology in Kutch. He examined the role of the Indian Institute of Sindhology.

Consultancy Projects

- The Centre, in collaboration with VentureStudio, is consulting on a European Union funded project called the "Ahmedabad Cultural Heritage Venture Lab". An exhibition of mentored heritage ventures was held in April 2016. The project also led to the setting up of a trust called "Ahmedabad Cultural Heritage Cluster" to continue mentoring young entrepreneurs in the cultural heritage sector.

- The Centre signed a Memorandum of Understanding with the Punjab Heritage and Tourism Promotion Board (PHTPB), Chandigarh, on 12 October 2016 to collaborate with them in their heritage conversation efforts in Punjab.

Research at the Centre for Heritage Management

Published Books

1. **Chapagain, N.K., and Nair, P.K.V., J Bengoetxea, J., Bengoetxea, A. (eds), (2016).** Best Practices Manual in Cultural Heritage Management. University of Valladolid, Spain.

Book Chapters

1. **Chapagain, N.K. (2017).** Blurring Boundaries and Moving Beyond the Tangible/Intangible and the Natural/Cultural Classifications of Heritage: Cases from Nepal in Cultural Landscapes of South Asia: Studies in Heritage Conservation and Management; Silva, K.D. and Sinha. A. (Eds.); Oxon/New York, Springer: Routledge, 24-38.

2. **Chapagain, N.K. (2017).** Perception and Management of Heritage in the Buddhist Context: Observations from Nepal"; Asian Buddhist Heritage: Conserving the Sacred; (eds). Gamini Wijesuriya and Sujeong Lee; Rome; International Centre for the Study of the Preservation and Restoration of Cultural Property, 53-62.

3. **Nayak, D. (2016).** Getting the City Back to Its People: Conservation and Management of Historic Ahmedabad, India in A. Sinha & K. Silva (Eds.) Cultural Landscapes of South Asia: Studies in Conservation Management Routledge, 211-226.

Conference Presentations

1. **Chapagain, N.K.** Heritage Management Education for Sustainable Development: Reflections on the pedagogy of the Master's Degree Programme in Heritage Management at Ahmedabad University. International Conference on Education for Sustainable Development: ESD for Transforming Education for Children and Youth, Centre for Environmental Education, Ahmedabad, September 2016.

Invited Lectures

1. **Chapagain, NK.,** "Contexts, Concerns and Prospects of Heritage Management in South Asia", Doctoral Colloquium at CEPT University, March 2017.

2. **Chapagain, NK.,** "Revisiting Participatory Processes in Cultural Resources Management", International Conference on Participatory Approaches in Cultural Resources Management, BN College of Architecture, Pune, February 2017.

3. **Nayak, D.,** "Baluchari: Bengal and Beyond", Weavers Studio Research Centre (WSRC), Kolkata, November 2016.

4. **Nayak, D.,** "Conservation and Management of Historic Urban Areas", IPS Academy, Indore, April 2017.

5. **Nayak, D.,** "Expanding Vision for Best Practices in Museums", National Museum, New Delhi, May 2017.

6. **Nayak, D.,** "Getting the City Back to Its People – An Ahmedabad Experience", INTACH Chennai Chapter, November 2016.

7. **Nayak, D.,** "Heritage as an Asset: Opportunities in the Murshidabad Region", Murshidabad Heritage Festival, January 2017.

8. **Nayak, D.,** "Living through the Crafts: The Travel Lens", Yes Bank, New Delhi, October 2016.

9. **Nayak, D.,** "Master's Programme in Heritage Management and its Pedagogy: Role of Intangible Heritage", National Intangible Heritage Festival, Vijayawada, June 2016.

10. **Nayak, D.,** "Socio-Economic Sustainability of HRIDAY City Projects", HRIDAY-MoUD Programme at New Delhi, March 2017.

VentureStudio mentors and supports innovators to nurture a start-up ecosystem.
VentureStudio has incubated ventures across sectors like health, education, energy,
environment, agro, consumer products, and transportation.

AHMEDABAD UNIVERSITY
VentureStudio

Overview

As part of Start-up India, the Ministry of Commerce and Industry, Government of India, recognised VentureStudio as an incubator. We were also among the five institutions across the country to be approved for three high profile grants from the National Initiative for Developing and Harnessing Innovations (NIDHI)-Department of Science and Technology (DST). VentureStudio is one of the select nodal agencies of the Government of Gujarat through which the State funds 14 start-ups. As we continue to work towards creating a start-up friendly ecosystem in Gujarat, and India, the scale of innovative ideas that were incubated has also seen a steady rise. Last year, 87 fellows incubated 51 ventures, of which 26 remain active. Excluding founders, 60 other people were employed and this number is likely to increase in the coming years as start-ups mature and grow in scope.

Additionally, we are also consulting with the core team of the iMBA programme to design a curriculum to promote entrepreneurship among students of different schools from Ahmedabad University, with a line of sight to incubate these ventures at VentureStudio.

Grants

NIDHI-Promotion and Acceleration of Young and Aspiring Technology Entrepreneurs (PRAYAS) Prototyping Grant

This grant is to bridge the current funding gap for prototyping. VentureStudio is one of the 10 approved NIDHI-PRAYAS centres by the National Science and Technology Entrepreneurship Development Board (NSTEDB), Government of India. VentureStudio was awarded Rs 1 crore to set up 3,000 square foot prototyping Fab Lab (Prayas Shala) with an additional Rs 1 crore per year to support 10 innovators for the next five years.

NIDHI-Entrepreneur in Residence (EIR)

This programme has been created to help entrepreneurs minimise the risk involved in pursuing start-ups and to partially offset the opportunity costs of high paying jobs. VentureStudio is one of the 10 approved NIDHI-EIR centres by NSTEDB, eligible to support 10 innovators per year with an annual stipend of Rs 3.6 lakhs.

NIDHI-Seed Support Scheme (SSS):

This scheme supports a promising start-up by providing funds to bridge the gap between development and commercialisation of innovative technologies, products or services. We can support at least eight start-ups with Rs 25 lakhs per entrepreneur over the next five years.

Biotechnology Industrial Research and Assistance Council (BIRAC)-BioNest Bioincubator:

VentureStudio is among 15 nationally selected institutions approved for the BioNest Bioincubator by the Department of Biotechnology (DBT), Government of India, to incubate Life Science-based technological ventures. We were awarded Rs 5.28 crores to set up a 9000-square foot Bioincubator, which includes funding to hire select staff.

Activities

- We initiated a Market Intelligence Project Scoping pilot study to gather data from 119 incubation centres in India on aspects like sector focus, incubation models, funding, mentoring, partnership, outreach activities, etc. We are trying to form a holistic picture about unmet needs, markets, competition, partners, funding landscape, technology trends, policies, incubators and domain experts.

- We collaborated with eCell at IIT Kharagpur to host an Entrepreneurship Awareness Drive at Ahmedabad University on 30 September 2016 where around 500 students participated.

- We organised a one-day workshop with the National Entrepreneurship Network on Key Principles and Techniques of Business Mentoring on 27 August 2016.

- VentureStudio and Centre for Heritage Management at Ahmedabad University organised the 1st Ahmedabad Heritage Venture Lab (AHVL) exhibition on 16 and 17 April 2016. Part of AHVL, a Venture Lab of Ahmedabad Cultural Heritage Cluster Trust, and 11 heritage ventures participated and exhibited their products at the exhibition. AHVL has been set up to incubate and mentor innovative and economically sustainable ventures in the heritage sector funded by the European Union.

Venture Achievements

- Entrepreneurship Development Institute of India (EDI) on 9 March 2017 selected BioFics as one of the top 35 start-ups in Empresario Start-up Gujarat.

- Three of our start-ups, BioFics, Vendaxo, and Vintage Infraequipment were selected by the Government of Gujarat to be included in a coffee table book about innovation in the state at the Vibrant Gujarat Start-up Summit on 21 and 22 October 2016.

- Porelab Scientific made the finals at the "Spirit of Manufacturing Awards, Season-3", under the IT adoption and innovation category, organised by The Indus Entrepreneurs (TiE) Global Summit 2016 on 16 December 2016.

- Aura Interactive ranked in one of the top ten positions at India's first ever AR-VR Hackathon organised by ITC InfoTech, Bengaluru on 16 and 17 July 2016.

- Nidhi Mevada, the co-founder of Wockito was selected as one of the top 10 Woman entrepreneurs of India by the Angel Summit held in Delhi on 7 May 2016.

- Zybra, an accounting/financial software development start-up, raised strong seed funding from the Ahmedabad Angel Network.
- Seven VentureStudio start-ups were awarded approximately Rs 21 lakhs each by the Government of Gujarat:

Inmeditech: Virtual care technology, SaaS, with enhanced encryption and scalable features.
Light Speed Mobility: eBicycles with advanced features for diverse customer segments.
Porelab Scientific Pvt. Ltd: Material Testing Equipment and Software for multiple industries.
Vendaxo Pvt. Ltd.: Online platform for buying/selling/renting used industrial machinery.
Vintage Infra Equipment's Pvt. Ltd: Online platform for off-road construction equipment.
Virtua360: Proprietary VR Headset, 3D/ 4D apps for VR, Website integration plugin.
Wockito Innovative Solutions: Smart business card app that eliminates manual entry and increases productivity.

Staff Achievement

- **Paresh Vora**, former Head Of Operations, VentureStudio, was a special invitee member of the Start-up Scheme – State Level Implementation Committee (SLIC) of the Government of Gujarat – Industries Department.

- **Dr Srisunder Subramaniam** was a jury member at the "Tech Portal" conference held on 19 February 2017.

- **Dr Srisunder Subramaniam** was a jury member at the TiE Young Entrepreneur (TYE) Business Plan Competition.

Partnerships

- We partnered with Nirma University, Ahmedabad, for Praveg'16 events - "Digital India", "Start-up India, Stand-up India", and "Accessible India Campaign" held on 17 and 18 October 2016. Paresh Vora and Ravin Sanghavi served as mentors and jury members the first two events.

- We partnered with BITS Pilani, Goa for Novatia's Business Plan competition held on 4 and 5 September 2016. Ravin Sanghavi, Head Coach served as a mentor and jury member at Novatia.

- We partnered with HeadStart Network for Start-up Saturday that was held on 21 January and 11 March 2017. Dr Srisunder Subramaniam was a panel member at the "Incubator and Accelerator Session".

- We were outreach partners with Centre for Innovation and Incubation (CIIE) at IIM Ahmedabad for "Pitch Ahmedabad 2016".

- We were community partners for CIIE, IIMA for its events "GetStarted" and "Launchboard", initiatives for budding start-ups.

- We partnered with Cross Border Angels (CBA), an exclusive international investment club, for Start-up India Rocks, held at Bengaluru on 18 and 19 November 2016. VentureStudio was an "Accelerator/Incubator Partner" for the Finale at SAP Labs.

- We partnered with MS University Baroda for their tech-fest "Paramarsh'16" held on 24-26 September 2016.

- We were community partners for Unconvention Ahmedabad, held on 31 March 2017, with Villgro, an enterprise incubator. In partnership with Management Medicos, we organised the "Start-up Capsule" at Ahmedabad Management Association on 21 and 22 January 2017. This was part of the Healthcare Technology Conference, (HITCON). Our partnership with Management Medicos is aimed at identifying, incubating and successfully commercialising healthcare/life sciences start-ups at VentureStudio. We followed up this event up with a start-up competition where we received over 40 applications from across the country of which seven start-ups were selected and awarded cash prizes.

- We partnered with Chartered Accounting firm Rajni Shah and Associates to facilitate start-ups in accounting, tax and compliance related matters. They will help address issues related to start-up registration and other accounting related aspects.

- We registered with the Amazon Web Services Activate programme that provides start-ups with low cost, easy-to-use infrastructure such as two months of business support and $1,000 in promotional credit, valid for one year.

- We partnered with Digital Ocean, the world's 2nd largest and fastest growing cloud computing platform, which will provide our start-ups $1,000 in cloud credits for all start-ups, access to free technical training, and support and virtual office hours with their team to resolve any platform or architecture queries.

Guest Lectures

- **Dr Gururaj Deshpande**, former Co-Chairman of President Barack Obama's National Advisory Council on Innovation and Entrepreneurship, Founder of Sycamore Networks, and The Deshpande Centre for Technological Innovation at MIT, visited VentureStudio on 13 January 2017 and discussed start-ups our fellows.

- **Michael Madison**, Director-General and Founding Partner at Orogenesis, San Francisco, visited Venture Studio on 22 November 2016, where he interacted with fellows, Ahmedabad Angel Network members, University faculty and different incubator heads.

- **Dr Premnath Venugopalan**, Director, Venture Centre, Pune, visited VentureStudio on 6 February 2016 and discussed the key aspects that ventures should watch out for in their growth journey.

- **Dr Deepanwita Chattopadhyay**, Chairman and CEO of ICICI Knowledge Park, visited VentureStudio on 10 February 2017.

- **Kris Gopalkrishnan**, former CEO of Infosys, was the Chief Guest for the Foundation Day celebrations of Ahmedabad University and visited VentureStudio on 25 February 2017 where he interacted with fellows and staff.

- **Vikas Chawda**, Founder, Quantum Leap spoke about Innovation and start-ups at VentureStudio on 6 May 2016.

- **Paritosh Pathak**, Founder of "Farmersonly.in" and "Reinvent-Life", spoke on "Principles of Effective Networking" on 29 July 2016.

- **Shanti Mohan**, Founder and CEO of LetsVenture, conducted an interactive session with our fellows on 9 August 2016.

- **Nimesh Kampani**, Founder and Chairman of JM Financial Group of Companies visited VentureStudio on 6 May 2016 and interacted with our Fellows.

- **Auli Pere**, chief advisor, and Silva Paananen from Tekes-Finnish Funding Agency for Innovation, visited on 13 June 2016.

- **Keyur Joshi**, one of the original Co-Founders of MakeMyTrip, visited VentureStudio for an interactive session on 3 October 2016.

- **Satyen Kothari**, Founder, CEO of Cube visited VentureStudio for an interactive session on 25 October 2016.

The Centre for Learning Futures (CLeF) runs a reading and writing support programme for students. As an independent Centre, CLeF facilitates the acquisition of knowledge and skills to improve the comprehension of concepts, ideas, world-views, values, and theories.

Overview | Learning Initiatives

Learning Initiatives is the outcome of the University's belief that learning takes root in an environment where students can appreciate the context of what they are being taught, understand critical concepts of their disciplines, and develop the ability to apply them to real world situations. Learning Initiatives has developed two special programmes to meet this goal.

Independent Study Period (ISP)

Students often have diverse passions but no means to explore them especially if it is not related to their specialisation. ISP offers them a chance to experiment with their passion, helping them go beyond their classrooms, making academic learning truly interdisciplinary and conceptual and theoretical understanding more rigorous. This is made possible through collaborations with peers in a project-based environment.

- A range of ISP courses are offered through December, instead of regular curricular periods, including block courses, studio-inspired experiential courses, courses on perspective and skill building, innovative experiments in learning, and more. All courses are credit-based and students are required to register for a minimum number of credits. The courses are rooted in disciplines like literature, sociology, design, science, technology, heritage, humanities and languages but cut across areas and specialisations.

- ISP 2016 was a unique learning experience. Classes were held from 12 to 30 December 2016. Across these three weeks and 30 unique courses, 950 students engaged with ideas and skills. From Design Thinking to the Art of Argumentation from the Mahabharata, our courses have become a crucial way for students to experiment with newer ideas and methods of learning.

- An example of one such ISP course offered during the last term is "Making of a Musical Instrument". It became a way for students to pursue their interest in music but also fabricate and handle materials, develop a deeper understanding of concepts in Physics and the Science behind sound and learn collaboratively.

ISP Course List

Objectivity in Journalism
- Jumana Shah and Shyam Parekh

City as a Text
- Professor Sudhir Pandey

Art of Argumentation from Mahabharata
- Professor Milan Pandya

Understanding the Consumer: Step-by-step Introduction to Design Thinking.
- Ashwin Joshi

Design Thinking
- Dhaval Shah • Sudebi Thakurata

Anatomy of a Car
- Anish Garg

Bitter Taste of Sugar
- Professor Manish Datt • Professor Vivek Bhatt

Water and War
• Dr RD Deshpande

Artificial Intelligence
• Professor Lynn Stein

Climate Action- Everybody's Business
• Purvi Vyas and Nivedita Shridhar
• Pooja Dave and Viveka Jani

Introduction to Narratives
• Professor Seema Khanwalkar

Quotidian Story of Gender
• Professor Saptam Patel

Ctrl+Alt+Design
• Anand Saboo and Aditya Bharadwaj

Need Identification & Idea Generation
• Akshat Khare

Digital Transformation of the Society
• Professor Siddharth Deshmukh

Designing Experiments
• Professor Sharvari Dalal and Professor Siddharth Saxena

Creative Writing
• Dr Raghuveer Chaudhari,. Raju Barot, Kirit Dhoodhat
  and, Dr Bindu Bhatt

Making of a Musical Instrument
• Srijan Deshpande

World of Hindustani Art Music
• Satyasheel Deshpande

Birds, Birds, Birds
• Punit Lalbhai

**Sufi Music-Scapes and Folk Musicians of Thar, Rajasthan:
Traditions, Transformations and Reinvigorations
Fingerprint Science and Solving Crime**
• Professor Rahul Ghai

Sugar. Mud. Bake. Magic.
• Sourabh Phadke

Experiencing Heritage
• Professor Neel Kamal Chapagain

Sociology of a Bazaar
• Professor Abrar Ali Saiyed & Professor Shahul Amin

Selfie with the Past
• Poulomi Das

Bio-mimicry - Nature Inspired Design and Innovation
• Prashant Dhawan and Seema Anand

Engagement and Application Based Learning and Education (ENABLE)

Ahmedabad University has evolved a unique framework to facilitate learning by engaging with the context and environment and applying it to real world problems. The University introduced "Engagement and Application Based Learning and Education", or "ENABLE", which offers specially designed university-wide courses open to all our students. Students are empowered to learn on their own through various techniques like Project Based Learning, Flipped Classroom, Discovery Based Method, etc. while the faculty act as a facilitators.

- In its second semester, ENABLE offered a total of five courses. One such course was City as Text. The course focuses on the different ways we organise ourselves as a social and cultural entity in terms of human arrangement of the city space. During the course participants studied the city from various lenses such as understanding the role of informal cultural associations, digital mapping of city streets, and urban water issues through water walks.

- These courses have been designed to ensure that students acquire conceptual and contextual clarity. Our courses include self— and peer— assessments so that students learn to work in teams.

- ENABLE has been active for three semesters now and the numbers of courses and students have been rising steadily. When we introduced these courses in the first semester, we were oversubscribed; a clear indication that students often seek spaces to understand themselves and their worlds a little better. As part of the feedback process at the end of the course, students told us that they felt empowered and confident in their expression of ideas and had a better learning experience in their class away from class.

- As part of ENABLE, students are handed a unique workbook to make learning more effective. They use the workbook to set their own personal goals for each course and record their learning over the semester. They also do a periodic assessment of their progress through the course in relation to the goals they have set for themselves. ENABLE assessments are open book exams so students can choose to carry their workbooks to the examination hall.

- From the coming year, ENABLE will be integrated into regular coursework instead of remaining a separate set of courses.

Course List

Course List	Credits	Faculty
Modeling Service Quality	3 credits	Professor Ankur Gangal
City as Text	3 credits	Professor Sudhir Pandey
Critical Thinking & Argumentation	3 credits	Professor Milan Pandya
Advanced Database Management System	4 credits	Professor Kunjal Gajjar Professor Shefali Naik
System Design for Societal Problems	3 credits	Professor Sandeep Vasant Professor Jaydeep Raulji Professor Aditya Patel

Activities

- **Juhi Bansal** and **Professor Sanjay Chaudhary** visited Olin College of Engineering to participate in the Collaboratory and Partner's Convening Meeting.

- **Professor Mehul Raval and Professor Dhaval Patel** were selected to visit the Olin College of Engineering under the Argosy Fellowship to spend a semester from August to December.

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

- **Professor Rakesh Pandey** visited the University and conducted two faculty seminars on basics of PBL and how to design a PBL course. Additionally, he met with faculty members in one-to-one meetings.

- **Professor Lynn Andrea Stein** from Olin College of Engineering visited the University during ISP in December. She conducted a faculty seminar and several one-to-one meetings with faculty members.

- **Professor Manish Datt and Professor Pratik Trivedi** were selected to visit the Olin College of Engineering under the Argosy Fellowship to spend a semester there from January to May.

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 our students become independent and are able to lead successful careers in the field. We also run a Physiotherapy Clinic that provides treatment to people at nominal costs.

AHMEDABAD UNIVERSITY | Physiotherapy College for the Visually Impaired

Overview

We held a combined convocation for batch of 2015 and 2016 on 29 January 2017 at the School for the Deaf-Mute Society. This year, 36 students were conferred with diplomas, including 19 students from the 2015 batch and 17 from 2016. Miss Shruti from the batch of 2016 became the first deaf-blind girl to receive the University-level Diploma in Physiotherapy.

Total Students: 61 | Total Faculty: 36

Programmes

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 vision is must. We have adopted a teaching method that ensures that there are no more than 15 students in a class so that all students get access to one-to-one training. Being a para-medical curriculum, practical training makes up a larger portion of the curriculum than theory.

Faculty Achievement

- Professor Mukesh Patel was awarded the Late Dr Jagdish Patel Pragnachakshu Pratibha Paritoshik award on 30 December 2016 in Ahmedabad for his contribution to the education, development and empowerment of blind and disabled persons.

- Students served as honorary physiotherapists at sports competitions like Cyclothon, Marathon and Khel Mahakumbh organised in August 2016.

Student Life at Ahmedabad University

Since July 2016, the Office of the Dean of Students, has become the umbrella under which both, the Student Support, Engagement and Tutelage (SSETU) and the Ahmedabad University Student Events and Activities Centre (AUSEAC) function. The office offers services and support to students and organises student activities across all programmes of the University.

SSETU provides the following services: a medical room that undertakes primary health check-up for all new students; a senior physician and a gynaecologist for a free medical consultation for all students and staff; free Thalassemia screening for all graduating students; voluntary blood donation camps to sensitise students towards social responsibility and; free personal or academic counselling sessions in an environment of trust and confidentiality.

Constant efforts are made to create awareness about and sensitise the students about social issues of grave concern like ragging, substance abuse, gender bias, traffic safety and sexual harassment by holding workshops and talks by experts. Office of the Dean of Students also helps ensure compliance and adherence to the University's and University Grants Commission policies on such matters.

AUSEAC looks after extracurricular activities on campus. This includes clubs and cultural activities, the youth festival, and organising events like Orientation Week, Foundation day and Convocation. Each club is managed and run by students; they select a secretary and a joint secretary, who together with a core committee of students across programmes and conduct activities.

Students have opportunities to participate in a wide spectrum of activities. Some are student-driven (like the Students' Clubs and Sports activities) and some are organised by the Office of the Dean of Students (like The Nalanda, Lecture Demonstrations and other special events).

Office of the Dean of Students

The University grants Financial Aid to students on a merit-cum-means-basis. The Office of the Dean of Students runs a Family Connect Initiative where we visit families of students who have applied for aid. Last year, all families from out of Ahmedabad were contacted over the phone. We also randomly selected families in the city and the Vice Chancellor, **Professor Pankaj Chandra**; Dean of Students, **Professor Havovi Trivedi**; and our counsellor **Kalpana Pareek** visited their homes. Below is a school-wise distribution of families that were contacted:

School of Engineering and Applied Science:
Visits: 4 | Phone Calls: 15

Amrut Mody School of Management:
Visits: 9 | Phone Calls: 15

School of Computer Studies:
Visits: 3 | Phone Calls: 10

School of Arts and Sciences:
Visits: 2

Activities

Office of the Dean of Students

CATEGORY	ACTIVITY	DATE	SPEAKER/ORGANISATION
Traffic and Road Safety	Workshop on Road Safety	29 August	Western India Automobile Association Mumbai Chapter
Health, Diet and Fitness	Dengue Prevention	5 October	Dr Riddhi Shukla and Dr Vandana Aarogyam Hospital
Anti-Substance Abuse	Hazards of Drug Abuse	19 October	Mr Hariom , Narcotics Control Bureau Dr Sheetal Punjabi Mr Rohan Maheswari
Traffic and Road Safety	Training in Road Safety	6 January	Ahmedabad Traffic Consultative Committee
Traffic and Road Safety	Traffic Management by student volunteers	9-13 January	Ahmedabad Traffic Consultative Committee
Health, Diet and Fitness	Yoga Camp	23 Janaury - 3 February	Mr Chandrabhanu Bhattacharya
Women's Development Cell	Workshop on self-defence	8 February	Sensei Jaiswal and Kensei Ujjawal Jaiswal
Women's Development Cell	Talk on gender sensitivity	8 March	Ms. Aditi Thakor and Neil Bhatt
Personality Enhancement	Road Rage, Body Shaming, Instant Gratification Dengue Prevention	Semester 1	Mrs Kalpana Pareek

Events

Annual Chair Lecture

The Office of the Dean of Students organised the 2nd Shrenik Lalbhai Annual Chair Lecture, where Professor Howard Spodek spoke on "New Directions in the Study of Ahmedabad" on 7 January 2017.

Youth Fest

The Office of the Dean of Students organised Ahmedabad University's Annual Youth Fest from 18 to 21 January 2017. Over 500 students registered and participated in a variety of intellectual and cultural activities and events including debates, cartooning, poetry recitation, and stand-up comedy.

Convocation of Physiotherapy College for the Visually Impaired

The 1st Convocation of Physiotherapy College for the Visually Impaired, Ahmedabad University was held on 29 January at the School for the Deaf-Mute Society, Navrangpura campus. This was a combined convocation for batches that graduated in 2015 and 2016. Professor Pankaj Chandra, Vice Chancellor of Ahmedabad University, presided as the Chief Guest. A total of 36 students were conferred with diplomas this year, which included 19 students from the 2015 batch and 17 from 2016. Ms. Shruti from the batch of 2016 became the 1st deaf-blind girl to receive the University-level Diploma in Physiotherapy.

Events

Convocation

The 6th Convocation of Ahmedabad University was held on 4 December 2016 at the School of Engineering and Applied Science ground. Professor Krishnaswamy Vijay Raghavan, Secretary Department of Biotechnology, Ministry of Science and Technology, Government of India presided as the Chief Guest. A total of 1160 students were conferred degrees, including 901 students from Amrut Mody School of Management, 178 students from the School of Computer Studies, 65 students from the School of Engineering and Applied Science, and 16 students from the Division of Biological and Life Sciences.

Events

Foundation Day

The University celebrated its 8th Foundation Day on 25 February 2017. Padmabhushan Kris Gopalakrishnan, Co-Founder Infosys and Chairman Axilor Ventures presided as the Chief Guest. The Foundation Day included:

• **Anand Mela:** Students of Social Service Forum put up Anand Mela to sensitise students about the lives of underprivileged children. Children were invited and over 150 student volunteers engaged with them in activities.

• **Surmayi:** Ahmedabad University and SPIC-MACAY jointly organised Surmayi, an all-night Indian musical ensemble, at the Engineering School's Auditorium. Artists included Shri Madan Gopal Singh, Pandit Rupak Kulkarni, Smt. Sunanda Sharma, Ms. Sombala and the Maanganiyars.

The Nalanda

This year, the Office of the Dean of Students launched The Nalanda, a multi-disciplinary, student-driven, aspirational platform that brings speakers with deep perspectives to engage with the Ahmedabad University community. The Nalanda encourages a free exchange of ideas to develop bridges between disciplines, cultures and society. Speakers included:

Subroto Bagchi, leading IT industry Innovator and Co-Founder of Mindtree, spoke on "Purpose Driven Leadership" on 24 July 2016 where he explored the various facets and challenges of being a successful leader.

Dr BV Doshi and Rajeev Kathpalia, well known architects and urban planners, spoke on "Paths Uncharted" on 1 September 2016.

Professor Anil Gupta, IIMA, spoke on "The Day We Are Not Surprised, We Have Not Lived" on 11 January 2017 where he spoke about the facets of life that are crucial to defining a person's purpose.

Professor Apoorvanand, Department of Hindi, Delhi University, spoke on "Whither the Idea of University: A Faltering Project of Excellence, Civility, and Culture" on 22 February 2017.

Rekha Rodwittiya, an artist and lecturer of Contemporary Arts, spoke on "Art in Society: Its Relevance and Function as a Mediator of Experience and Knowledge" on 18 March 2017.

SSETU - Wellness for all

- Over 1,000 health check-ups were conducted in the current year of which 971 were first year students and 45, new employees. Of a total of 1,108 students in first year across various programmes, 88 per cent underwent a health check-up.

- The Indian Red Cross Society (IRCS) presented a certificate of appreciation to the University for organising voluntary blood donation camps. Like the previous year, HDFC Bank supported Office of the Dean of Students in coordinating the drive.

Walk-ins for Medical Consultation	394
Walk-ins for Personal Counseling	127
Walk-ins for General Enquiry	232
Medical Check-Up for First Year Students	971
Thalassemia Screening	940
Blood Donation [Units Donated]	470
Home Visits & Calls to recipients of financial aid	58

Key Events by Student Clubs

For the first time, in the 2016-17 academic year, senior students were invited to form clubs of their interests. Students took a keen interest and enthusiastically organised a wide spectrum of activities through the year. Some updates from last year include:

The Dance Club: The Dance Club was initiated with the objective of uniting all dancing enthusiasts on campus and creating a pool of trained dancers for the University. They started their activities with basic dance training and organised "The Dancing Extravaganza–Dancizzle", an event, to showcase their talent. Club members also participated and won various competitions hosted by other colleges/universities.

The FinBiz Club: The FinBiz Club kicked off its activities with the screening of 'The Big Short' that depicts the financial crisis of 2007-08 followed by a discussion. The club organised talks and interactive sessions with experts on subjects like Stock Markets, Start-ups, and Demonetisation. They also organised a debate on Demonetisation and a live-screening of the Union Budget.

The Fine Arts Club: The Fine Arts Club organised various activities to bring out the creativity in the participants: be it making dresses from paper, painting others' perspective, Graffiti workshop, Tie and Die workshops, Candle Making workshop, etc.

The Fitness Club: The Fitness Club organised various fitness sessions like Aerobics, Zumba, Bokwa etc. They also conducted various fun and fitness games and created greater awareness about health and nutrition through talks and fitness sessions for students.

The Literary Club: The Literary Club activities encourage spontaneity, articulation, imagination and public speaking skills among students. This club aims to foster a strong culture of debating, argumentation and sophisticated thinking. They organised Debates, a workshop on Blog Writing, an Open Mic session, Film Screening and discussions for students.

The Music Club: The Music Club aims to bring skilled and enthusiastic musicians together and represent the University in musical events, besides organising events on campus, and promoting fresh talent. Music Club organised various musical performance events for club and non-club members and hosted a unique all night Indian Music concert, "Surmayi".

The Photography Club: The Photography Club provided a platform for teaching and learning photography. They organised various photo walks in different parts of the city for club members. Core committee members conducted a session to give tips on basics and techniques of photography and organised a Photography Exhibition at Gandhi Ashram.

The Quiz Club: The Quiz Club took initiative to encourage intellectual interest and to develop quizzing skills of students. They organised various quiz competitions like the Spent Quiz, Brand Quiz, MELA Quiz, BizQuiz, 2016 and India Quiz and Marvel vs. DC Quiz. They also organised an Open Quiz in which college teams in western zone of India participated.

The Social Service Club: The Club members visited an old age home, juvenile home, and orphanage. On the University's Foundation Day, they organised Anandmela – fun fair for children from disadvantaged backgrounds.

The Theatre Club: The Theatre Club conducted workshops, Expert sessions, Auditions for various theatre events, Theatrical Play and Script Reading sessions. They participated in an inter-college play competition and won the Best Play award at the "Vinaveli" Drama Competition.

Sports

Office of the Dean of Students with the help of 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	31 August	Boys/Girls	BBA/iMBA	BCom
Table Tennis	8 September	Boys	BCom	BBA/iMBA
		Girls	BCom	SCS
Badminton	12 September	Boys	SEAS	DBLS
		Girls	BCom	BBA/iMBA
Basketball	1 October	Boys	BCom	BBA/iMBA
		Girls	BBA/iMBA	BCom
Volleyball	15 October	Boys	BBA/iMBA	BCom
		Girls	BBA/iMBA	BCom
Handball	22 October	Boys	BBA/iMBA	BCom
		Girls	BBA/iMBA	BCom
Lawn Tennis	12 November	Boys	BBA/iMBA	BCom
		Girls	BBA/iMBA	SEAS
Cricket	12 November	Boys	BCom	BBA/iMBA
Football	7 January	Boys	BBA/iMBA	BCom
Kabbadi	14 January	Boys	BBA/iMBA	BCom
		Girls	BBA/iMBA	BCom
Kho-kho	21 January	Boys	BCom	BBA/iMBA
		Girls	BBA/iMBA	BCom
Athletics	28 January	Boys	BBA/iMBA	MBA
		Girls	BBA/iMBA	MBA
Overall Sports Champions			BBA/iMBA	BCom

University Research Board

Ahmedabad University has established the University Research Board to support and promote research by faculty, students and staff. The Board promotes research by recommending proposals for internal funding and examining them for externally sponsored projects. The internal research funds are distributed as seed grants (up to Rs 2 lakhs for initiating new projects), start-up grants (up to Rs 20 lakhs for newly recruited faculty) or University challenge grants (for interdisciplinary projects).

Present members of the University Research Board are:
- **Deepak Kunzru,** Distinguished Professor, School of Engineering and Applied Science – *Chairman*
- **Devanath Tirupati,** Dean, Amrut Mody School of Management – *Member*
- **Sanjay Chaudhary,** Associate Dean, School of Engineering and Applied Science– *Member*

This year, the Board funded seven seed grant projects and sanctioned six externally sponsored projects.

The University has also initiated Undergraduate Research Programme (UGRP) to provide undergraduates with opportunities to gain experience through mentored research, scholarship, and creative engagements in which students and faculty mentors collaborate in the design and implementation of projects and the dissemination of results. In the past academic year, 22 UGRP projects that span diverse areas of research were initiated from across Schools and Centres.

The Board also runs an initiative called the Research Working Paper Series to share pre-publication versions of academic articles, book chapters, and reviews by faculty members with a wide audience.

Research Working Papers published in the last academic year:

- **AMSOM-WP-2016-08-001**
  Chapagain, N.K. Heritage Management for Sustainable Development: Transformative Pedagogy for the Master's Degree Programme in Heritage Management at Ahmedabad University.

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

- **SEAS-WP-2016-10-001**
  Mehta, J. An Enhanced Mixed-Scaling-Rotation CORDIC Algorithm with Weighted Amplifying Factor.

- **SCS-WP-2016-08-005**
  Patel, A. ICT Model for Clean India Mission.

- **SCS-WP-2016-08-004**
  Patel, K. Analysis and Implementation of Cryptographic Algorithms for Data Security.

- **AMSOM-WP-2017-02-002**
  Pathak, T. Theoretical Grounding for Sustainability Reporting: A Comparison Between Indian and European Banks.

- **AMSOM-WP-2017-02-004**
  Saiyed, A.A. Internationalisation of New Ventures in a Post Liberalisation Era: The Shifting Role of Industry Concentration.

- **AMSOM-WP-2017-02-001**
  Sharma, E., Tewari, R. Multiple Stakeholder Views on the Relevance of Teaching Business Ethics.

- **AMSOM-WP-2017-02-005**
  Tewari, R. Understanding Communication Satisfaction in the Indian Context.

- **SCS-WP-2017-02-001**
  Thanawala, P. MwTExt: Automatic Extraction of Multi-word Terms for Ontology Learning.

- **SCS-WP-2017-02-001**
  Vasant, S. Automated Random Question Paper Generation Based on Multiple Constraints.

- **SCS-WP-2016-08-002**
  Vegda, H.P. Intrusion Detection in Wireless Network Using Bios and Motherboard Serial Number.

Faculty and Staff

Employee Category	Faculty	Staff	Total
Amrut Mody School of Management	53	43	96
School of Engineering and Applied Science	26	38	64
School of Computer Studies	13	15	28
School of Arts and Sciences Division of Biological and Life Sciences	6	18	24
University Office	1	57	58
VentureStudio		7	7
Centre for Heritage Management	2	6	8
Centre for Learning Futures	1		1
Physiotherapy College for the Visually Impaired		5	5
TOTAL	102	189	291

New Appointments

- **Abrar Ali Saiyed**
  Assistant Professor
  Amrut Mody School
  of Management

- **Apeksha Joshi**
  Teaching Assistant
  School of Arts and Sciences

- **Arti Madhvani**
  Project Coordinator
  University Office

- **Asal Raghu Bhai**
  Project Assistant
  School of Arts and Sciences

- **Ashwin Kumar**
  Senior Fellow
  Centre for Learning Futures

- **Barbara Morawska**
  Associate Professor
  School of Engineering and
  Applied Science

- **Bhargabi Saha**
  Teaching Assistant
  School of Engineering and
  Applied Science

- **Biswadeep Bhattacharjee**
  Head of Civil Engineering
  Projects

- **Chetas Bhagat**
  Library Professional Assistant
  School of Engineering and
  Applied Science

- **Deepak Kunzru**
  Distinguished Professor
  School of Engineering and
  Applied Science

- **Gaurav Maheshwari**
  Admissions Counsellor

- **Gopi Sheth**
  Secretary
  University Office

- **Govind Sharan Gupta**
  Junior Research Fellow
  School of Arts and Sciences

- **Gunjan Dang**
  Head
  Human Resources

- **Gursharan Anand**
  Admissions Coordinator

- **Hardik Thakor**
  Laboratory Assistant
  School of Arts and Sciences

- **Jebha Chatterjee**
  Consultant
  Guest House

- **Jeemol Unni**
  Professor
  Amrut Mody School
  of Management

- **Kangna Bagani**
  Executive Assistant
  University Office

- **Kavya Agarwal**
  Graphic Designer
  Communications

- **Kinjal Rajwadi**
  Trainee
  School of Arts and Sciences

- **Komal Ajabiya**
  Teaching Assistant
  School of Engineering and
  Applied Science

- **Krupa Suthar**
  Lab Associate
  School of Arts and Sciences

- **Manali Shah**
  Secretary
  University Office

- **Maria Fernandes**
  Front Desk Executive
  University Office

- **Mukesh Patel**
  Associate Director
  Executive Programmes
  Amrut Mody School
  of Management

- **Niket Powar**
  Junior Research Fellow
  School of Engineering and
  Applied Science

- **Nirali Gala**
  Teaching Assistant
  School of Arts and Sciences

- **Payal Modi**
  Lab Associate
  School of Arts and Sciences

- **Payel C. Mukherjee**
  Fellow
  Centre for Learning Futures

- **Rahul Kanani**
  Trainee Library
  School of Engineering and
  Applied Science

- **Rahul Patel**
  Teaching Assistant
  School of Engineering and
  Applied Science

- **Rajesh Rajoriya**
  Lab Boy
  School of Arts and Sciences

- **Ramadhar Singh**
  Distinguished University Professor

- **Renu Misra**
  Director
  Career Development Centre

- **Rupal Ruperi**
  Teaching Assistant
  School of Engineering and
  Applied Science

- **Shalini Mathur**
  Student Support Executive
  University Office

- **Shanti Chaudhari**
  Library Professional Assistant
  School of Engineering and
  Applied Science

- **Shashwat Sanghavi**
  Teaching Assistant
  School of Engineering and
  Applied Science

- **Shvetal Pandya**
  Senior Research Fellow
  School of Engineering and
  Applied Science

- **Srikrishnan Divakaran**
  Associate Professor
  School of Engineering and
  Applied Science

- **Srisunder Subramaniam**
  Chief Executive Officer
  VentureStudio

- **Stuti Mudaliar**
  Programme Coordinator
  Amrut Mody School
  of Management

- **Suchita Misra**
  Senior Manager
  University Office

- **Sujata Motwani**
  Chief of Staff
  University Office

- **Sumitava Mukherjee**
  Assistant Professor
  Amrut Mody School
  of Management

- **Sunita Rupani**
  Administrative Assistant
  School of Arts and Sciences

- **Tanvi Chawla**
  Career Development Executive
  Career Development Centre

- **Tanvi Kapur**
  Communication Designer
  Communications

- **Vaishwik Patel**
  Project Assistant
  School of Engineering and
  Applied Science

- **Varadharajan Iyer**
  Visiting Professor
  School of Engineering and
  Applied Science

- **Vhabiz Dastur**
  Secretary
  University Office

- **Vicky Takhtani**
  Industry Engagement and
  Placement Manager
  Career Development Centre

- **Vinay Patankar**
  Chief of Design and Fabrication
  School of Engineering and
  Applied Science

- **Viral Thakor**
  Teaching Assistant
  School of Engineering and
  Applied Science

- **Vivek Tanavde**
  Associate Professor
  School of Arts and Sciences

Retirements

- **Professor Pratik Munshi**
  Assistant Professor
  School of Engineering and Applied
  Science retired in September 2016.

- **Asha Maitrey Parikh**
  Administrative Assistant
  Amrut Mody School of
  Management, retired in
  November 2016.

Partners and Collaborations

Ahmedabad University collaborated with several well known national and international research universities for academic development, and student and faculty exchange.

Last year, we partnered with Centre for Environmental Planning and Technology (CEPT) to allow students to cross-register and enrol for some of their courses and vice-versa. We also continued the CEPT-AU Lecture Series where intellectuals and professionals are invited to share their work and experiences with the public-at-large in Ahmedabad. As part of this series, Professor Phil Oldenburg, Political Scientist from Columbia University spoke on the "Indian Politician" on 18 March 2017.

We also collaborated with leading international educational institutions, some of the most innovative in their fields of specialisation, such as the University of Bradford, UK, to enable academic and research collaborations, and promote student and faculty exchange programmes. Our other on-going partnerships include:

Olin College of Engineering

UNIVERSITY OF FERRARA
- EX LABORE FRUCTUS -

RENNES

WRIGHT STATE UNIVERSITY

Universidad de Valladolid

Stanford University

UNIVERSITY of BRADFORD

Amrut Mody School of Management
- The Management School signed a Memorandum of Understanding with ESC Rennes School of Business in France to conduct regular semester-long student exchange programmes. Five students from the BBA and one from the iMBA Programme attended the Fall/Monsoon semester there.

- The Management School's BCom Programme signed an MOU with the Association of Chartered Certified Accountants (ACCA), UK, to ensure students can pursue a global ACCA certification along with their degrees. This MOU also exempted students from 6 of 14 papers that they are required to answer for the ACCA qualification.

Centre for Heritage Management
- The Centre signed an Memorandum of Understanding with the Punjab Heritage and Tourism Promotion Board, Chandigarh on 12 October 2016. The partnership is to initiate activities in the field of heritage walks and develop projects towards it.

- The Centre had collaborated with the University of Valladolid, the Valladolid City Council, Casa de la India, and the Ahmedabad Municipal Corporation for a European Union-Funded Project on "Ahmedabad Cultural Heritage Venture Lab" that concluded in April 2016. A group of ten delegates including staff, faculty, and selected participants of the mentorship programme were taken on a study trip to Spain as part of the project.

School of Computer Studies
- The School collaborated with the LeBow College of Business at Drexel University, US, on three projects to gain a better understanding of offshore software development. The projects

were: International Agreement Tracking System, a Fire Safety Mobile App, and a Fire Hydrant Tracking System for the Pennsylvania Turnpike Commission.

School of Engineering and Applied Science
- The Engineering School signed an Memorandum of Understanding with Wright State University, USA, which will be effective 2017 onwards. This will enable the exchange of faculty members, researchers and students, collaborative research projects, and joint academic programmes.

- The Engineering School has an on-going partnership with Olin College of Engineering, USA. This year included focused faculty visits, and establishment of the Argosy Fellowship Faculty Support programme. Three faculty members spent a semester at Olin College co-teaching courses and Siddhartan Govindswamy from Olin taught a Project Based Learning (PBL) course at the School. Professor Sanjay Chaudhary participated in the Olin Collaboratory and Olin Partners Conveying Meeting to share the School's experience with PBL courses.

VentureStudio
- VentureStudio partnered with Chartered Accounting firm Rajni Shah and Associates to facilitate start-ups in accounting, tax and compliance related matters.

- VentureStudio partnered with Digital Ocean, the world's second largest and fastest growing cloud computing platform, which will provide our start-ups $1,000 in cloud credits for all start-ups, access to free technical training, and support and virtual office hours.

BOARD OF GOVERNORS

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Arvind Limited
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Vice Chancellor
Ahmedabad University
Member

Prafull Anubhai
Academic and Management
Consultant
Member

Mohan Kaul
former Director General and
CFO, Commonwealth
Business School, London
Member

RA Mashelkar
former Director General,
Council of Scientific and
Industrial Research
Member

Sudhir Mehta
Chairman, Torrent Group
Member

Naishadh Parikh
Chairman and MD,
Equinox Solutions Limited
Member

Pankaj Patel
Chairman & MD,
Cadila Healthcare Limited
Member

Devanath Tirupati
Dean, Amrut Mody School
of Management,
Ahmedabad University
Member

Anju Sharma, IAS
Principal Secretary, Higher
and Technical Education
Member

Saurabh Soparkar
Senior Advocate,
Gujarat High Court
Member

Bhupendra Shah
Registrar, Ahmedabad University
Member Secretary

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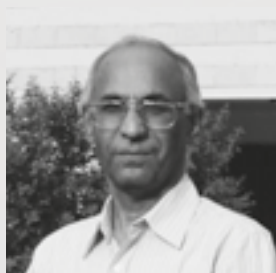
Devanath Tirupati
Dean, Amrut Mody School
of Management,
Ahmedabad University
Member

Mita Suthar
Assistant Professor
Amrut Mody School
of Management
Ahmedabad University
Member

Naishadh Parikh
Chairman and MD,
Equinox Solutions Limited
Member

Kiran Karnik
former President,
NASSCOM
Member

Anurag Mehra
Professor
School of Engineering and
Applied Science
Ahmedabad University
(till September 2016)
Member

Bhupendra Shah
Registrar, Ahmedabad University
Member Secretary

ACADEMIC COUNCIL

Pankaj Chandra
Vice Chancellor
Ahmedabad University
Chairman

Sanjay Chaudhary
Associate Dean
School of Engineering
and Applied Science
Ahmedabad University
Member

Bipin Mehta
Associate Dean
School of Computer Studies
Ahmedabad University
Member

Debashish Nayak
Director
Centre for Heritage Management
Ahmedabad University
Member

Parag Patel
Associate Dean,
Amrut Mody School of Management
Ahmedabad University
Member

Vivek Tanavde
Associate Professor
Division of Biological and
Life Sciences
Ahmedabad University
Member
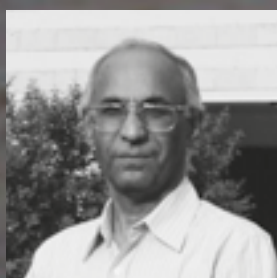
Devanath Tirupati
Dean, Amrut Mody School
of Management
Ahmedabad University
Member

Paresh Vora
Head of Quality Assurance and
Development, Parents &
Alumni Relations
Ahmedabad University
Member

Anurag Mehra
Professor,
School of Engineering and
Applied Science
Ahmedabad University
(till September 2016)
Member
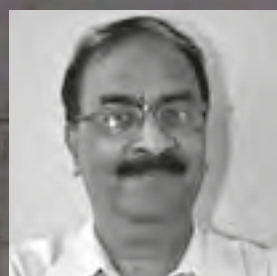
Bhupendra Shah
Registrar, Ahmedabad University
Member

Advisory Committee

AMRUT MODY SCHOOL OF MANAGEMENT

Bakul Dholakia,
Educationist and
Management Consultant
Chairman

Pankaj Chandra,
Vice Chancellor,
Ahmedabad University
Member

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Chairman and MD,
Symphony Comfort Systems Ltd.
Member

CK Koshy, IAS,
Former Additional Chief Secretary,
Government of Gujarat
Member

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Dean, Amrut Mody School
of Management, Ahmedabad University
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Havovi Trivedi,
Former Dean of Students,
Ahmedabad University
Member

Kaushal Mehta,
Chairman and MD, Motif India Ltd.
Member

Parag Patel,
Associate Dean, Amrut Mody
School of Management,
Ahmedabad University
Member

Prakash Mody,
Chairman and MD,
Unichem Laboratories Ltd.
Member

Bhupendra Shah,
Registrar, Ahmedabad University
Member

Prafull Anubhai,
Academic and
Management Consultant
Member

Shailendra Mehta,
former Provost,
Ahmedabad University
Member

Anang Lalbhai,
Chairman and MD, Pelican Group
Member

SCHOOL OF ENGINEERING AND APPLIED SCIENCE

Sanjay Chaudhary,
Associate Dean,
School of Engineering and
Applied Science, Ahmedabad University
Convenor

AH Kalro,
former Provost,
Ahmedabad University
Member

Ashank Desai,
non-Executive Director, Mastek
Member

BH Jajoo, Professor,
IIM Ahmdedabad
Member

BV Mehta,
Associate Dean,
School of Computer Studies,
Ahmedabad University
Member

Dheeraj Sanghi,
IIT Kanpur
Member

Kiran Karnik,
former President, NASSCOM
Member

Pratul Shroff,
CEO, e-Infochips
Member

Bhupendra Shah,
Registrar, Ahmedabad University
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Jaimin Vasa,
Chairman and MD, Vasa Pharmachem
Pvt. Ltd..
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BV Mehta,
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School of Computer Studies
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AH Kalro,
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Ahmedabad University
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non-Executive Director, Mastek
Member

BH Jajoo,
IIM Ahmdedabad
Member

Sanjay Chaudhary,
Associate Dean,
School of Engineering
and Applied Science,
Ahmedabad University
Member

Dheeraj Sanghi,
IIT Kanpur
Member

Kiran Karnik,
former President, NASSCOM
Member

Pratul Shroff,
CEO, e-Infochips
Member

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Chairman and MD, Vasa Pharmachem
Pvt. Ltd..
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Gujarat Institute of Chemical Technology
Member

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Registrar, Ahmedabad University
Member Secretary

DIVISION OF BIOLOGICAL AND LIFE SCIENCES, SCHOOL OF ARTS AND SCIENCES

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Chairman and MD,
Cadila Healthcare Ltd
Chairman

Pankaj Chandra,
Vice Chancellor,
Ahmedabad University
Member

CM Gupta
DBT
Distinguished Research Professor
Member

Chaitanya Dutt,
Director, Research and Development,
Torrent Research Centre
Member

Jayesh Bellare,
Department of Chemical Engineering,
IIT Bombay
Member

Rajiv Lalbhai,
Galaxy Group
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former Acting Director,
School of Arts and Sciences,
Ahmedabad University
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Dean, Institute for Stem Cell Biology
and Regenerative Medicine
Member

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Chief Executive Officer,
Gennova Biopharmaceuticals Ltd
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IIT Bombay
Member

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Registrar, Ahmedabad University
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Management Consultant
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former Provost,
Ahmedabad University
Member

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Chairman and MD, Arvind Ltd

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Vice Chancellor,
Ahmedabad University

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Academic and
Management Consultant

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JM Financial Group

Asit Koticha,
Founder promoter and Chairman,
ASK Group

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Commissioner of Health and
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Government of Gujarat
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Indian Institute of Management
Ahmedabad
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CENTRE FOR HERITAGE MANAGEMENT

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Former Director,
National Institute of Design
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Ahmedabad University
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IAS, Former Additional Chief
Secretary, Government of Gujarat
Member

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President, Centre for Environmental
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Director, Centre for
Heritage Management
Member

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MD, Atul Ltd.
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Prafull Anubhai,
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Management Consultant
Member

Shailendra Mehta,
former Provost,
Ahmedabad University
Member

PHYSIOTHERAPY COLLEGE FOR THE VISUALLY IMPAIRED

AH Kalro,
former Provost,
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Visually Impaired
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Ahmedabad University
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Physiotherapy College For
Visually Impaired
Member

Milan Dalal,
Physiotherapy College For
Visually Impaired
Member

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Member

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School of Computer Studies
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Amrut Mody School of Management
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Member

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Centre for Heritage Management
Member

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Registrar,
Member

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Counsellor,
Member

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Member

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Member

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MIS Manager,
Deputy Coordinator

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and Applied Science,
Ahmedabad University

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Ahmedabad University
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Counsellor, Ahmedabad University
Member

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Ahmedabad University
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Ahmedabad University
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Gynaecologist
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Senior Faculty, Narottam Lalbhai
Rural Development Fund
NGO Member

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Registrar, Ahmedabad University

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Police Inspector

NM Rajguru,
Police Inspector

Preeti Das,
Journalist

Neeraj Lal,
NGO Member

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Ahmedabad University

Sridhar Dalai,
Assistant Professor,
Ahmedabad University

Hina Saxena,
Parent of an Ahmedabad University
Student

Nadeem Jafri,
Student,
Ahmedabad University

Yash Vanzara,
Student,
Ahmedabad University

Bhakti Shah,
Student,
Ahmedabad University

Harsh Garg,
Student,
Ahmedabad University

Abhilasha Somani,
Student,
Ahmedabad University

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School of Engineering
and Applied Science
Chairman

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Dean,
Amrut Mody School
of Management
Member

Sanjay Chaudhary,
Associate Dean,
School of Engineering
and Applied Science
Member

List of Faculty Members

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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
- **Ankur Gangal,** Senior Lecturer
- **Aravind Panicker,** Adjunct Faculty
- **Bhaktida Trivedi,** Assistant Professor
- **Bijal Mehta,** Assistant Professor
- **Binny Rawat,** Assistant Lecturer
- **Chirag Trivedi,** Assistant Professor
- **Darshna Padia,** Assistant Professor
- **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
- **Keshav Bhatia,** Adjunct Faculty
- **Kunal Mankodi,** Senior Lecturer
- **Milan Pandya,** Lecturer
- **Mita Suthar,** Assistant Professor
- **Mruga Pandya,** Adjunct Lecturer
- **Neha Desai,** Senior Lecturer
- **Neha Gadhvi,** Lecturer
- **Neha Saxena,** Senior Lecturer
- **Nimit Thaker,** Lecturer
- **Paragi Shah,** Assistant Professor
- **Pavak Vyas,** Assistant Professor
- **Pervin Gandhi,** Senior Lecturer
- **Poonam Dugar,** Senior Lecturer
- **Pratishtha Pandya,** Senior Lecturer
- **Preeti Maneck,** Senior Lecturer
- **Ramadhar Singh,** Distinguished University Professor
- **Ruchi Tewari,** Assistant Professor
- **Rushi Pandya,** Adhoc Faculty
- **Saptam Patel,** Assistant Professor
- **Saumil Shah,** Senior Lecturer
- **Sharmila Sagara,** Associate Professor
- **Sharvari Dalal,** Adhoc Faculty
- **Shilpa Bhat,** Assistant Professor
- **Shriram Kadiya,** Adhoc Faculty
- **Siddharth Saxena,** Adhoc Faculty
- **Sonal Yadav,** Assistant Professor
- **Sudhir Pandey,** Senior Lecturer
- **Sujo Thomas,** Senior Lecturer
- **Sumitava Mukherjee,** Assistant Professor
- **Tana Trivedi,** Adhoc Faculty
- **Taral Pathak,** Assistant Professor

AMRUT MODY SCHOOL OF MANAGEMENT

- **Vaibhav Kadia,** Assistant Professor
- **Vibha Tripathi,** Senior Lecturer
- **Vivek Bhatt,** Adhoc Faculty
- **Zalak Shah,** Senior Lecturer

SCHOOL OF ENGINEERING AND APPLIED SCIENCE

Sanjay Chaudhary,
Associate Dean and Professor

- **Aditi Singhal,** Assistant Professor
- **Ajay Karakoti,** Associate Professor
- **Anurag Lakhlani,** Senior Lecturer
- **Anurag Mehra,** Professor
- **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 Munshi,** Assistant Professor
- **Pratik Trivedi,** Senior Lecturer
- **Ratnik Gandhi,** Assistant Professor
- **Snigdha Khuntia,** Assistant Professor
- **Sridhar Dalai,** Assistant Professor
- **Srikrishnan Divakaran,** Associate Professor

SCHOOL OF COMPUTER STUDIES

Bipin Mehta,
Associate Dean

- **Aditya Patel,** Assistant Professor
- **Aniruddh Parmar,** Senior Lecturer
- **Darshna Dalvadi,** Lecturer
- **Heena Timani,** Assistant Professor
- **Hemal Desai,** 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

List of Faculty Members

SCHOOL OF ARTS AND SCIENCES, DIVISION OF BIOLOGICAL AND LIFE SCIENCES

Rishi Shankar,
Associate Dean and Professor

- **Ajay Karakoti,** Associate Professor
- **Ashutosh Kumar,** Assistant Professor
- **Manish Datt,** Assistant Professor
- **Ritesh Shukla,** Assistant Professor
- **Ritobrata Goswami,** Assistant Professor
- **Sanjay Singh,** Associate Professor
- **Souvik Sen Gupta,** Assistant Professor
- **Varun Khanna,** Assistant Professor
- **Vivek Tanavde,** Associate Professor

CENTRE FOR HERITAGE MANAGEMENT

Debashish Nayak,
Director

- **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

Financial Statement

Independent Auditor's Report

Report on the Financial Statements

We have audited the accompanying financial statements of AHMEDABAD UNIVERSITY ("the University") which comprise the Balance Sheet as at March 31, 2017, 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 the University 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 the University'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 the University as at March 31, 2017; and
(b) In the case of Income and Expenditure, of the excess of expenditure over income for the year ended on 31st March, 2017.

For Sorab S. Engineer & Co.
Firm Registration No. 110417W
Chartered Accountants

Signed
CA. Chokshi Shreyas B.
Partner
Membership No. 100892
Ahmedabad

June 28, 2017

Balance Sheet

as on March 31, 2017

Rs. in Lakhs

FUNDS AND LIABILITIES	SCHEDULE	MARCH 31, 2017	MARCH 31, 2016
(a) Funds			
Corpus Fund	1	10,324.00	9,330.00
Earmarked / Endowment Funds	2	7,076.64	6,867.29
Depreciation Fund	3	4,480.15	3,218.33
		21,880.79	**19,415.62**
(b) Loans	4		
Secured		503.67	-
Unsecured		-	-
		503.67	**-**
(c) Project Grants	5	**273.22**	**275.06**
Total		**22,657.68**	**19,690.68**

ASSETS	SCHEDULE	MARCH 31, 2017	MARCH 31, 2016
(a) Property Plant and Equipment	6	**13,516.45**	**12,540.95**
(b) Intangible Asset	6a	**319.02**	**306.77**
(c) Investments	7	**4,001.00**	**3,395.00**
(d) Current Assets, Loans and Advances			
Receivables	8	170.70	161.21
Loans and Advances	9	241.37	170.44
Cash and Bank Balances	10	315.05	151.04
		727.12	**482.69**
Less: Current Liabilities and Provisions	11	853.64	820.83
Net Current Assets		**(126.52)**	**(338.14)**
(e) Income and Expenditure Policies	12	4,947.73	3,786.10
Total		**22,657.68**	**19,690.68**

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

Signed
Sanjay S. Lalbhai
President

Signed
B.M Shah
Registrar and Chief Financial Officer

Income and Expenditure Account

for the year ended March 31, 2017

Rs. in Lakhs

INCOME	SCHEDULE	MARCH 31, 2017	MARCH 31, 2016
Fees (Net)	13	2,952.63	2,897.30
Grants, Donations and Scholarships	14	706.00	167.00
Interest Income	15	322.44	340.49
Other Income	16	125.72	85.16
Total		**4,106.79**	**3,489.95**

EXPENDITURE	SCHEDULE	MARCH 31, 2017	MARCH 31, 2016
Employee Emoluments	17	2,803.85	2,272.10
Educational Emoluments	18	399.27	505.56
Workshops/Events and Meeting Expenses	19	67.48	79.96
Repairs and Maintenance Expenses	20	375.69	290.80
Travelling and Conveyance	21	27.45	23.95
Finance Cost	22	14.55	22.03
Other Administrative Expenses	23	418.88	455.09
Total		**4,107.17**	**3,649.49**
Operating Surplus/(Deficit) before Depriciation/ Amortisation and Exceptional Items		**(0.38)**	**(159.54)**
Less: Depriciation/Amortisation (Net)	24	1,161.25	1,234.59
Deficit for the year		**(1,161.63)**	**(1,394.13)**
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	**Signed** **Sanjay S. Lalbhai** President **Signed** **B.M Shah** Registrar and Chief Financial Officer	

Schedule attached to and forming part of accounts

Rs. in Lakhs

PARTICULARS	SCHEDULE	MARCH 31, 2017	MARCH 31, 2016
Corpus Fund	1		
Balance as per last financial statements		9,330.00	7,130.00
Addition: Donation received during the year		994.00	2,200.00
Total		**10,324.00**	**9,330.00**
Earmarked/Endowment Funds	2		
Balance as per last financial statements		6,867.29	6,720.18
Addition: Funds & other income received during the year (Note 4 of Schedule 26)		485.84	421.23
Deduction: Funds Utilized/Transferred (Note 4 of Schedule 26)		276.49	274.12
Total		**7,076.64**	**6,867.29**

Rs. in Lakhs

PARTICULARS	SCHEDULE	MARCH 31, 2017	MARCH 31, 2016
Depriciation Fund	3		
Balance as per last financial statements		3,218.33	1,923.97
Add: Transferred from AES			
Add: Provided during the year		1,266.58	1,327.10
		4,484.91	**3,251.07**
Less: Depreciation on Assets sold during the year		4.76	32.74
Net Balance		**4,480.15**	**3,218.33**
Loans	4		
Secured Loans		503.67	-
Overdraft (Secured against Bank FD)			
Unsecured Loans		-	-
From Ahmedabad Education Society			
Net Balance		**503.67**	
Project Grant	5		
Project Grant - Faculties		137.96	121.09
CCRT Grant		-	8.71
GICT - Nano Technology (CENTRA)		47.86	145.26
BIRAC - Bionest		87.40	-
Total		**273.22**	**275.06**
Property Plant and Equipment	6		
Balance as per last financial statements		12,217.71	4,230.67
Add: Addition during the year out of Owned Funds (Note 5 of Schedule 26)		687.08	7,964.27
Add: Addition during the year out of Project Grant		68.27	75.93
		12,973.06	12,270.87
Less: Assets sold during the year		7.08	53.16
		12,965.98	12,217.71
Add: Capital Work in Progress		31.08	34.88
Add: Capital Advances		519.39	288.36
Net Balance		**13,516.45**	**12,540.95**
Intangible Asset	6a		
Balance as per last financial statements		306.77	162.84
Add: Addition during the year out of Owned Funds (Note 5 of Schedule 26)		12.25	143.59
Add: Addition during the year out of Project Grant		-	0.34
Net Balance		**319.02**	**306.77**
Long Term Investments	7		
Term Deposit with Gruh Finance Limited		-	1,875.00
Investments in Bonds		500.00	-
Term Deposit with Banks		3,501.00	1,520.00
Net Balance		**4,001.00**	**3,395.00**

PARTICULARS	SCHEDULE	MARCH 31, 2017	MARCH 31, 2016
Receivables	8		
Interest Accrued on Investments		145.91	116.58
Income Receivable		-	0.40
Fees Receivable		-	
Considered Good		24.79	44.23
Considered Doubtful		6.75	-
Less: Provision for Doubtful Receivable		(6.75)	-
Net Fees Receivable		24.79	44.23
Total		**170.70**	**161.21**
Loan and Advances	9		
Advances recoverable in cash or kind or for value to be received		64.97	46.68
Deposits		47.10	46.00
TDS Receivable		15.05	14.61
Interest free loan to students		20.80	23.37
Prepaid expenses		93.45	39.98
Total		**170.70**	**161.21**
Cash and Bank Balances	10		
Cash on Hand		0.87	1.32
Bank Balance			
In savings/OD Account		314.18	149.72
Total		**315.05**	**151.04**
Current Liabilities and Provisions	11		
Current Liabilities			
Sundry Creditors		82.28	58.24
Statutory Dues		74.91	57.14
Deposits from students		139.75	130.02
Earnest money deposits		6.50	6.50
Retention money		59.70	185.23
Other liabilities		67.31	37.04
Outstanding liability for expenses		29.20	29.13
Provisions			
Leave Encashment		226.54	161.92
Gratuity		167.45	155.61
Total		**853.64**	**820.83**
Income and Expenditure Account	12		
Balance as per last financial statements		3,786.10	2,391.97
Sundry Creditors		1,161.63	1,394.13
Total		**4,947.73**	**3,786.10**

Rs. in Lakhs

PARTICULARS	SCHEDULE	MARCH 31, 2017	MARCH 31, 2016
Fees (Net)	13		
Tuition Fees		3,245.25	3,194.66
Less: Tranferred to University Development Reserve		292.62	297.36
Total		**2,952.63**	**2,897.30**
Grants, Donations and Scholarships	14		
Donation		706.00	167.00
Total		**706.00**	**167.00**
Interest Income	15		
On fixed deposit (Net of allocation of Rs.9.99 Lakhs Previous year Rs. 9.98 Lakhs)		311.27	321.56
On savings bank A/c		11.02	10.49
On fixed deposit (Net of allocation of Rs.9.99 Lakhs		0.15	8.44
Total		**322.44**	**340.49**
Other Income	16		
Consultancy Income		24.67	9.46
Overhead Recovery		37.27	-
College Exam and Retest Fee		14.90	21.94
Form Fee		21.00	15.39
Notice Pay		1.09	-
Sundry Balances written off		0.54	-
Surplus on sale of fixed assets (Net)		0.07	-
Services Charges		2.29	3.59
Admission cancellation charges		7.61	12.01
Fees and other miscellaneous income		16.28	22.77
Total		**125.72**	**85.16**
Employee Emoluments	17		
Salary, Allowances and Bonus		2,397.89	1,886.46
Contribution to Retirement Funds		230.15	196.04
Staff Welfare		25.75	19.50
Honorarium		150.06	170.10
Total		**2,803.85**	**2,272.10**
Educational Expenses	18		
Donation for Financial Support		0.22	194.24
Collaboration Expenses (Net)		69.24	125.94
Students Educational Activities		216.94	82.60
Financial Aid to Students		38.69	32.58
Faculty Development		33.85	38.09
Fellowship to students		-	0.83
Venture Expenses		-	7.83
Sports and Games		6.47	6.04
Consumables		9.94	8.27
Other educational expenses		23.92	9.14
Total		**399.27**	**505.56**

PARTICULARS	SCHEDULE	MARCH 31, 2017	MARCH 31, 2016
Workshops/Events and Meeting Expenses	19		
Workshops, Events and Seminars (Net)		59.35	61.44
Meeting and Conferences		8.13	18.52
Total		**67.48**	**79.96**
Repairs and Maintenance Expenses	20		
Building Repairs and Maintenance		240.66	188.22
Campus Development		21.66	15.09
Repairs to Furniture/Equipment/Computer and others		98.05	60.94
Software Maintenance charges		15.32	26.55
Total		**375.69**	**290.80**
Travelling and Conveyance	21		
Domestic		26.54	15.83
CCRT Grant		0.91	8.12
Total		**27.45**	**23.95**
Finance Cost	22		
Bank Charges		0.08	0.07
Interest on Bank Overdraft		14.47	21.96
Total		**14.55**	**22.03**
Other Administrative Expenses	23		
Utilities		159.82	170.67
Communication		50.64	55.23
Public Relation Activity		45.81	105.37
Insurance		44.52	28.51
Recruitment		32.93	7.58
Stationery and Printing		32.99	26.23
Legal and Professional Fees		28.54	26.65
Audit Fees		2.30	2.29
Sundry Balances written off			12.92
Provisions for Doubtful Receivables		6.75	-
Other Misc expenses		14.58	17.63
Loss on sale of Fixed Assets		-	2.01
Total		**418.88**	**455.09**
Depriciation and Amortisation	24		
Depriciation for the year		1,266.58	1,327.10
Less: Transferred from Earmarked funds		105.33	92.51
Total		**1,161.25**	**1,234.59**

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 adn 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 recognized in the period in which the results are known or materialize.

3. Fixed Assets
3.1 Fixed Assets are stated at cost of acquisition inclusive of freight, duties and taxes and incidental and direct expenses related to acquisition.
3.2 Fixed Assets received by way of Donation are capitalized at value stated, by corresponding credit to Capital/Corpus Fund.
3.3 Capital Work in progress includes cost of fixed assets that are not ready for intended use as at Balance Sheet date and is disclosed under Fixed Assets.

4. Depreciation
4.1 Depreciation of addition to Fixed Assets 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 amortized over the period of 5 years; (c) Other Software and Assets given to employees which are being amortized 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, a depreciated at the rate of 100%.

4.4 Depreciation in Income & Expenditure Account is net of the amount of depreciation transferred from related year marked funds.

5. Revenue Recognition
5.1 Fees from Students are recognized on accrual basis and accounted for on the basis of the period of academic year.
5.2 Interest on Investment is recognized on accrual basis.
5.3 Donations/contributions are recognized 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 reestated 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 Benefit 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 recognized 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 recognized when there is a present obligation as a result of past events and it is probable that there will be an outflow of resources. Contingent liabilities are not recognized but are disclosed in the account by way of a note. Contingent asset or neither recognized not disclosed in the financial statements.

Schedule 26

Note forming part of Accounts

PARTICULARS	MARCH 31, 2017	MARCH 31, 2016
1. Tax Deducted at Source from		
Interest Income	3.62	8.10
Other Income	0.83	0.49
Total	**4.45**	**8.59**
2. Capital Commitment		
Capital Contracts remaining to be executed and not provided for (Net of Advance)	898.55	645.92
Total	**898.55**	**645.92**
3. Expenditure in Foreign Currency		
Entrepreneurship Program	102.36	148.16
Donation for financial support	-	194.11
Foreign Travel and Workshop Expenses	15.67	11.33
Argosy Faculty Collaborative Exchange Programme Workshop	21.72	-
Faculty Development Expenses	4.98	15.28
Payment to visiting faculties	11.00	-
Payment towards fees for technical service from GICT	-	-
CENTRA project	25.98	-
Payment for study material access	5.93	-
Total	**187.63**	**368.88**
4. Details of Movement in Earmarked Funds		
Addition during the year:		
Fund created out of Fees	288.32	294.78
Interest	9.99	9.98
Other Income	45.48	4.96
Donation for Recurring Expenditure	22.99	35.16
Fund created for Assets purchased during the year	119.06	76.27
Total	**485.84**	**421.15**
Deduction made during the year		
Recurring expenditure incurred	43.20	35.09
Transferred to Income & Expenditure A/c to the extent of Depriciation	105.33	92.51
Transferred to Building Account	-	35.00
Scholarships & Freeship paid	103.89	111.09
Fund Written Off	24.07	-
Transferred to Building Account	-	0.43
Total	**276.49**	**274.12**

Schedule 26

Significant Accounting Policies

5. Current Assets, Loans & Advances
In the opinion of the Management, current assets, loan and advances have a value on realization in the ordinary course of business, equal at least to the aggregate amount shown in the Balance Sheet.

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	**Signed**	**Signed**
CA. Chokshi Shreyas B.	**Sanjay S. Lalbhai**	**B.M Shah**
Partner	President	Registrar and Chief Financial Officer
Membership No. 1.00892		
Ahmedabad		

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