



**NAVRACHANA
UNIVERSITY**

ANNUAL REPORT

2022-23

www.nuv.ac.in



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UNIVERSITY
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Vision:

An ethical and innovative Interdisciplinary University with social conscience providing education and research of global standards, committed to student success, and creating thought leaders, contributing to nation-building.

Mission:

- Deliver contemporary education per global needs and standards.
- Create a continuous learning culture through Academic and Research excellence.
- Promote Entrepreneurship & Innovation, Interdisciplinary Studies & Research
- Expand reach of Multidisciplinary Studies
- Pedagogical shift towards Blended Learning
- Leverage on International Collaborations
- Partnering Industries and Research Institutes in continuous value creation

Purpose:

There are five important aspects that direct the new educational paradigm at Navrachana University:

- Professional education must prepare students with strong disciplinary insights needed to address the challenges confronting the professional community and inculcate a sense of lifelong learning to be successful and excel over time.
- Offer interdisciplinary education that cross-fertilizes learning with new ideas from disparate disciplines, so that collision at the fringes raises appropriate questions and creates innovation.
- General education must inform students about the issues that arise in their lives, personally, professionally, and socially, and help them to be reflective about their beliefs and choices, their presuppositions, and motivations.
- Make the process of learning more effective through exposure to real working conditions and by practically applying knowledge and skills learned in the classroom.
- Invite students to work on 'messy', seemingly intractable problems through a focus on social entrepreneurship and address pressing problems in our immediate community.
- Discipline-specific entrepreneurship is being developed to create job creators who will create opportunities for themselves and for others.



ABOUT **NAVRACHANA UNIVERSITY:**

Navrachana University Vadodara (NUV), a UGC approved University, established through the Gujarat Private Universities Act, 2009. Undergraduate, Post-graduate, and Ph.D. programs of NUV are approved and recognized by various statutory and professional bodies such as Council of Architecture (COA), National Council for Teacher Education (NCTE), and Bar Council of India (BCI).

With the intent to offer quality education that befits the high educational standards of the Navrachana Educational Society in Vadodara, the University has embarked on a new educational paradigm that lays simultaneous emphasis on both, disciplinary and interdisciplinary education as well as professional and

general education. This paradigm is facilitated by the University's unitary character that offers comprehensive learning and helps develop T-Shape students who have a breadth of knowledge through general interdisciplinary education and a depth of knowledge through focused disciplinary education.

The University aims at contributing to the overall development of students and thereby contributing to the development of the Nation by identification of thrust research areas and academic programs, burgeoning technological competence, development of generic, application and life skills, value inculcation through co-curricular and extra-curricular activities with the pursuit of excellence and community engagement.



The University is spread over a 21523 sq. m. built-up area beautifully landscaped. Trees and lawns make the campus environment distinctly green. Navrachna University has state-of-the-art Computing Labs, High-Quality Technology and Science Labs, Q Lab, IOT lab and different labs catering to specific types of programs and courses. With more than 43 ICT-enabled classrooms, well-equipped lecture halls with projection technology, Wi-Fi access campus, multimedia studio, Library, Amphitheatre, High-technology science and Engineering labs, Computer Lab with high-end devices having appropriate software including CAD/CAM-AutoCAD, Creo & Ansys and Matlab, Auditoriums, Moot court, Cafeteria area, computer labs, Gymnasium, Outdoor playground, in-house sports room, canteen, and hostel facilities.

NUV offers more than 13 Undergraduate, 8 Postgraduate, 2 Integrated full-time programs, and 4 Ph.D. at the campus. All Educational Programs follow modular, semester-wise curricula and allow taking courses that cut across program boundaries. The unitary character allows the University to innovate new educational and pedagogic models grounded in interdisciplinary thinking and capitalize on the shared infrastructural and educational resources, to achieve a rich academic and life experience.

Through the UG and PG courses, the varsity wants to prepare students with strong disciplinary insights and inculcate a sense of lifelong learning to be successful individuals and excel in their careers.

Five schools make up the **Navrachana University:**

1. School of Business and Law offers:

BBA(Regular), BBA (Honors), BBA-LLB, LL.M,
MBA, Executive MBA and PhD

2. School of Engineering and Technology offers

BTech (Mechanical, Electrical & Electronics,
Civil, Computer Science & Engineering),
BSc-Data Science, BCA,
MTech (Computer Science & Engineering) and
PhD

3. School of Environmental Design and

Architecture offers: Bachelor of Architecture,
Bachelor of Design (Interior), and
Bachelor of Design (Landscape).

4. School of Liberal Studies and Education

offers: BA (Journalism & Mass Communication),
BA (Humanities and Social Sciences), B.Ed., and
PhD

5. School of Science offers:

BSc (Chemistry, Life Science, Microbiology),
BSc-MSc Integrated (Biomedical),
MSc (Chemistry), M.Sc. (Life Science),
MSc (Clinical Embryology) and PhD.



The University provides placement opportunities after the successful completion of the courses offered. The placement cell of Navrachana University organizes regular industry-university interactions that can help the students get placement in some of the top companies.



Left-to-right:

Dr. Hitesh Bhatia

Associate Dean – SBL, Associate Professor,
Navrachana University

Dr. Sandeep Patil

Associate Professor and Program-Chair Chemistry
Head - University Research cell
Navrachana University

Prof. Pratyush Shankar

Provost & Dean – SEDA
Navrachana University

Dr. Amrish Badgujar

Head-SET (Core Engineering), Associate Professor
Navrachana University

Dr. P.V. Xavier

Associate Dean, Associate Professor - SLSE
Navrachana University

Dr. Ashish Jani

Head-SET (BCA, CSE, Bsc Data Science),
Associate Professor, Navrachana University

Prof. Sandeep Vasant

Registrar,
Navrachana University

Message from Chairperson



Smt. Tejal Amin, *Chairperson,* *Navrachana Education Society*

I am pleased to share the significant progress and achievements that highlight our commitment to fostering a holistic educational environment at Navrachana University. We have actively aligned our initiatives with the National Education Policy (NEP) 2020, focusing on critical conceptual understanding, Indian knowledge systems, learner flexibility, and holistic learning.

NUV promotes learner flexibility by allowing students to earn 15% of their credits through electives from any school, offering minor disciplines for certification, and enabling personalized pacing in their studies. In 2022-23, we provided 78 electives supported by the student NUCLE-US, our integrated academic ERP system. We will continuously review these offerings to introduce new and engaging subject-electives, aimed at developing well-rounded individuals equipped with skills that transcend traditional disciplinary boundaries.

Holistic learning is central to our approach. Our curriculum incorporates studio and workshop pedagogy, social immersion programs like the KHOJ winter school, and mandatory internships across all programs. Additionally, industry-sponsored theses through Community Research Projects and a diverse range of humanities courses further emphasize this commitment.

In addition to academic and administrative advancements, NUV has established the Navrachana Innovation

Foundation which is also recognized as a host institute by the MSME, Government of India. Innovation and hands-on learning are at the heart of our educational approach. Our studio-based pedagogy, workshops, and practical sessions encourage students to engage in creative problem-solving and experimentation. By fostering a culture of innovation and supporting startup initiatives, we inspire our students to bring their ideas to life and develop practical solutions to real-world challenges.

Extra-curricular support to students has been a hallmark of our university "Education Beyond Books," providing an arena of activities in diverse areas such as arts, culture, sports, entrepreneurship, skill development, role play, and societal outreach. These activities, facilitated through various platforms and events at the university, enhance the charm and richness of campus life and provide much-needed exposure and experience. In addition to academics, an extensive offering of sports, NCC, and club activities ensures the holistic development of our students. NUV has drawn up an ambitious campus expansion plan over the next five years. This expansion is designed to accommodate additional intake in existing programs and the introduction of new programs. Alongside the expansion, a major refurbishment and upgrade plan for existing facilities has been developed, ensuring that NUV continues to provide a conducive environment for academic and extracurricular activities.

Our university remains dedicated to providing an innovative curriculum and pedagogy, underpinned by strong industry connections and research excellence. Partnerships with local and national organizations significantly enrich our teaching, internship programs, and research initiatives.

I extend my heartfelt gratitude to our dedicated faculty, staff, and stakeholders for their unwavering support and commitment. Together, we are cultivating a dynamic and innovative educational environment that prepares our students for future success.

Year at a Glance from Provost



Prof. Pratyush Shankr,
Provost,
Navrachana University

I am honored to present the Navrachana University Annual Report highlights for the academic year 2022-23. Our journey has been marked by remarkable achievements and a steadfast commitment to excellence. I will outline the defining features of a typical NUV graduate, share updates on our campus culture, and highlight the progress made across our various schools.

We take pride in shaping our graduates into well-rounded, T-shaped professionals. This unique profile is characterized by several key attributes. Firstly, our students develop a broad base of knowledge and skills through electives, minors, and courses in humanities, writing, data analytics, entrepreneurship, environmental studies, research, and critical thinking. This holistic approach ensures they are versatile and adaptable in a rapidly changing world. Secondly, our programs like KHOJ, internships, and CRP foster strong connections between our students, the community, and industry, enriching their education and preparing them for real-world challenges. Additionally, NUV graduates are opinion leaders and critical thinkers, equipped to learn and relearn thanks to a curriculum that emphasizes research, honours projects, conceptual teaching, and critical thinking. Capstone projects and the CFP further enhance their analytical abilities. Finally, our studio-based pedagogy, workshops, and hands-on experiences cultivate a culture of innovation and prac-

tical skills. NUV graduates are not afraid to get their hands dirty and are prepared to lead in entrepreneurial ventures and start-ups.

We have successfully applied for the NAAC accreditation process this year. Our Institutional Information for Quality Assessment and Self Study Report have been accepted. As we look forward to the upcoming visit from the NAAC peer team, I want to acknowledge the tremendous effort put forth by the entire university community, and I am confident that our efforts will be reflected in a good NAAC grade.

Our campus is more than just a place to study; it is a home where students feel comfortable and want to spend time. The Library Atrium, Auditorium, classrooms, and staff rooms are designed to foster a sense of belonging and community.

Our incubation center, established in November 2022, has been a hub of innovation and entrepreneurship. Since its inception, we have supported 42 startups, filed 5 IPRs, reached out to 625 students, and received grants totaling 2 crore rupees. One notable startup, "Infratorch," received 15 lakh rupees from the MSME Innovation Scheme for its early breast cancer detection tool. We have applied for accreditation with the National Assessment and Accreditation Council (NAAC), an autonomous institution of the University Grants Commission (UGC).

Let me know take you through some of the highlight of the Schools.

The **School of Engineering & Technology (SET)** has implemented significant reforms in engineering education by adopting Studio-Based Pedagogy and Faculty Internship Programs. SET has established a Centre of Excellence on Emerging Technology, funded by a 20-lakh rupee grant from SAP. The school organized a national-level HVAC workshop, drawing over 300 participants, and partnered with MG Motors to introduce a training program in Electric Vehicle Technology. A Lean Six Sigma Green Belt Training program was also conducted, with 30 students receiving certification from ASCB USA. On the research

front, SET faculty members were granted two patents and published over 25 research papers in international journals. Collaborative research efforts included partnerships with ISRO on lightning studies and a UGC-DAE-CSR-funded project. Additionally, SET carried out two industry consultancy projects and secured multiple SEED and Khoj Project grants.

The **School of Business and Law (SBL)** made notable advancements by upgrading its flagship undergraduate program to BBA Hons and significantly increasing the intake for its MBA program. SBL introduced new executive programs in management and law for working professionals. Faculty members actively engaged in research, presenting 15 papers at national and international conferences, publishing 13 papers in reputed journals, and authoring one book. Six faculty members received a 3 lakh rupee seed grant for research on socio-economic issues. SBL students excelled in various competitions, winning accolades in moot court, legal drafting, judgment writing, client counseling, and business plan contests, securing prizes and grants worth over one lakh rupees. Around 200 students obtained corporate internships, and 80% of master's students were placed with competitive packages.

The **School of Science (SoS)** fosters an interdisciplinary research environment, with faculty members publishing in peer-reviewed international journals and securing funding from the Gujarat State Biotechnology Mission (GSBTM) and UGC-DAE CSR. Five research scholars were awarded the SHODH fellowship from the Government of Gujarat. The school introduced a Master of Science in Clinical Embryology in collaboration with OSHERM and organized a national chemistry Olympiad exposure camp in partnership with Homi Bhabha Center for Science Education-Tata Institute of Fundamental Research (HBCSE-TIFR).

The **School of Liberal Studies and Education (SLSE)** achieved a 100% placement rate for its Bachelor of Education graduates and maintained strong alumni engagement. Faculty members received multiple awards, including four IPRs and recognitions for best paper and young educationist. The Master of Social Work program engaged students in field placements across notable

industries and institutions. Journalism and Mass Communication students garnered several awards, including accolades at the Golden Fern Film Awards and the Golden Lion International Festival. The department organized successful events like Parvaaz and Incipience and operated active clubs such as the Photography Club, Radio Club, and Mehfilm Club.

The **School of Environmental Design and Architecture (SEDA)** continued its tradition of engaging with professionals and academics through guest lectures and thesis project guidance. The 'Tinker Fest' showcased student creativity, while the 'Recent Trajectories' exhibition highlighted innovative faculty approaches. SEDA proudly launched a book by Dean Prof. Pratyush Shankar, published by Oxford University Press, and he delivered the keynote KOSMOS LECTURE at the Humboldt Foundation in Berlin. SEDA students and alumni received numerous awards, including recognition from the Council of Architecture and international design awards. Many students continued their academic pursuits at prestigious institutions such as Politecnico di Milano, The Bartlett School of Architecture, and The Bauhaus in Dessau.

As we conclude this review of our university's accomplishments, it is evident that Navrachana University is making significant strides in curriculum innovation, research, and community engagement. Our graduates are equipped to navigate a dynamic, ever-changing world with critical thinking, empathy, and a commitment to inclusivity.

I wish all our students and faculty continued success and Godspeed as we embark on another year of excellence and innovation.

Message from Registrar 's Desk



Prof. Sandeep Vasant,
Registrar,
Navrachana University

I feel privileged to highlight several initiatives undertaken from July 2022 to June 2023, exemplifying our commitment to a student-oriented approach on campus. The Office of the Registrar has stood as a cornerstone in both the internal and external administration of the University. As we continue to prioritize a student-centric philosophy, we recognize that students are the heart of our academic community. This commitment has been evident in our dedicated efforts to simplify administrative procedures, ensuring that approval processes flow smoothly across all faculties to meet academic and administrative needs efficiently.

During the NAAC accreditation process, the Registrar's office showcased remarkable proactiveness, providing constant support and readily accessible approvals crucial for documentation and accreditation needs. By embracing the synergistic potential of teamwork, we cultivated an environment that fostered seamless collaboration, empowering faculty and staff to effortlessly engage with stakeholders, thereby facilitating a harmonious and cooperative accreditation journey.

At the core of our philosophy lies the commitment to providing our students with an exceptional academic journey, complemented by state-of-the-art facilities, esteemed faculty members, and an environment that fosters comprehensive growth and development. Our endeavours include key initiatives like

Research and Honors Programs, Studio-Based Pedagogy, and the Promotion of an Innovation/Startup Culture. These efforts play a vital role in stimulating innovation and critical thinking among our student body.

The Office of the Registrar has implemented NUCLEUS, an online ERP portal supporting the academic lifecycle for students and employees. Nucleus facilitates admissions, attendance, fee payments, counselling, timetable creation, issue reporting, and feedback collection, while also enabling a choice-based curriculum for elective courses. Furthermore, we are excited to announce that in 2024, we will launch a mobile application for students, enhancing accessibility and convenience in managing their academic and administrative tasks. The in-house HRMS manages employee attendance, leave, job descriptions, and performance appraisals. Our program meets market needs by offering a quality educational structure and diverse activities, empowering graduates to confidently take on future responsibilities.

As Winston Churchill once said, "To improve is to change, and to be perfect is to change often." The Office of the Registrar has meticulously undertaken extensive quality enhancement initiatives to ensure a good grade for the University in preparation for the first cycle of accreditation by the National Assessment and Accreditation Council. We have also published a Strategic Plan for 2022-2027, laying out our vision for the coming years. I look forward to continuing our mission of ensuring that our students receive a comprehensive and enriching academic experience, preparing them for successful careers and meaningful contributions to society.

Board of **Governers**



Shri Rahul Amin
Chairman BOG
Chairman & Managing Director
Jyoti Ltd.



Smt. Tejal Amin
Member
Chairperson
Navrachana Education Society



Prof. Pratyush Shankar
Member (ex-officio)
Provost
Navrachana University



Prof. Sandeep Vasant
Member (ex-officio)
Registrar
Navrachana University



Padma Shri Dr. M.H. Mehta
Member
Chairman
Gujarat Life Science Pvt. Ltd.



Dr. TKS Lakshmi
Member
Retired Professor
Banasthali Vidyapith



Dr. Indira Parikh
Member
Former Founder President
Flame



Shri Sudhir Mankad
IAS Member
Retired Chief Secretary
Govt. of Gujarat



Shri Sameer Kherra
Member
Managing Director
See Linkages Pvt. Ltd.



Shri S.J. Haider
IAS Member
Principal Secretary
Higher Education, Govt. of Gujarat



Smt. Kamini Jaiswal
Member
Advocate
Supreme Court of India

Board of Management



Shri Rahul Amin
Chairman BOG
Chairman & Managing Director
Jyoti Ltd.



Smt. Tejal Amin
Member
Chairperson
Navrachana Education Society



Prof. Pratyush Shankar
Member (ex-officio)
Provost
Navrachana University



Prof. Sandeep Vasant
Member (ex-officio)
Registrar
Navrachana University



CA Abhay Desai
Member
Chartered Accountant
Yagnesh Desai and Co.



Shri Mayur Thakkar
Member
President
NEXSA



Shri Pradeep Sinha
Member
Industrial Designer



Smt. Sandhya Gajjar
Member
Managing Trustee
Bhasha Research



Shri Nilesh Shukla
Member
President
India SME Forum, Gujarat Chapter

Academic Council



Prof. Pratyush Shankar

Chairman
Provost & Dean - SEDA
Navrachana University



Prof. Sandeep Vasant

Member Secretary
Registrar
Navrachana University



Prof. Michael Aruldas

Former HOD,
Dept of Endocrinology
University of Madras, Chennai



Prof. Rustom Morena

Professor,
Department of Computer Science,
VNSGU, Surat



Dr. Bhargav Adhvaryu

Amrut Mody School of
Management,
Ahmedabad University



Prof. A.V. Ramachandran

Mentor
School of Science
Navrachana University



Dr. P.V. Xavier

Associate Dean,
Associate Professor - SLSE
Navrachana University



Dr. Amarish Badgajar

Head-SET, (CE, ME, EEE)
Associate Professor
Navrachana University



Dr. Hitesh Bhatia

Associate Dean - SBL,
Associate Professor
Navrachana University



Dr. Sandeep Patil

Associate Professor and
Program-Chair Chemistry
Head - Unversirty Research cell
Navrachana University



Dr. Ashish Jani

Head-SET, (CSE, IT, DS, BCA)
Professor
Navrachana University

ACHIEVEMENTS

A pioneering attempt towards recognizing world-class institutions in Gujarat, GSIRF is a partnership between Knowledge Consortium of Gujarat (KCG) and ICARE - India's most trusted institution ranking & rating authority.

School of Science received a 5 - star GSIRF rating, School of Environmental Design & Architecture, and School of Business & Law each received a 4-star in 2023, GSIRF rating. The overall GSIRF rating of the University for 2023 is 3-star.



The executive committee of the Knowledge Consortium of Gujarat (KCG), Department of Education, Government of Gujarat has rated Navrachana University-School of Science as a "Five Star" Institution in Gujarat State Institutional Rating Framework (GSIRF). The Certificate was presented by Honourable Chief Minister of Gujarat, Shri Bhupendra Patel on the 21st October 2022.

Dignitaries Present on the dais (Left to Right):

Padma Shri awardee Kailash Kher (Indian Music Composer and Singer), Dr. Karthick Sridhar (Vice Chairman, ICARE), Shri Jitendra Vaghani (Minister of Education in Government of Gujarat), Shri Bhupendra Patel Shri (Honourable Chief Minister of Gujarat), Shri Jagdish Vishwakarma (Minister of State, Government of Gujarat), Shri S. J. Haidar IAS (Principal Secretary, Higher & Technical Education, Government of Gujarat)



The Executive Committee of the **Knowledge Consortium of Gujarat, Department of Education, Government of Gujarat** on the recommendation of the duly appointed agency, the Indian Centre for Academic Rankings and Excellence (**ICARE**) has rated

Navrachana University



as a **3 Star** Institution in the category of **'University'** on the basis of comprehensive performance metrics as set out in the **Gujarat State Institutional Ratings Framework (GSIRF)** on the 28th February 2023.



BY ORDER

SJ Haider IAS
Principal Secretary
Higher & Technical Education
Government of Gujarat

M Nagarajan IAS
Commissioner
Higher Education
Government of Gujarat

Prof AU Patel
Advisor
Knowledge Consortium of Gujarat
Government of Gujarat

Dr Karthick Sridhar
Vice Chairman
Indian Centre for Academic
Rankings and Excellence

VALID UPTO 31st May 2023



The Executive Committee of the **Knowledge Consortium of Gujarat,**
Department of Education, Government of Gujarat on the
recommendation of the duly appointed agency, the Indian Centre for Academic
Rankings and Excellence (**ICARE**) has rated

Navrachana University, Vadodara



as a **5 Star** Institution in the category of
'Colleges' on the basis of comprehensive performance metrics as set out in the
Gujarat State Institutional Ratings Framework (GSIRF)
on the 28th February 2023.



BY ORDER

SJ Haider IAS
Principal Secretary
Higher & Technical Education
Government of Gujarat

M Nagarajan IAS
Commissioner
Higher Education
Government of Gujarat

Prof AU Patel
Advisor
Knowledge Consortium of Gujarat
Government of Gujarat

Dr Karthick Sridhar
Vice Chairman
Indian Centre for Academic
Rankings and Excellence

VALID UPTO 31st May 2023



The Executive Committee of the **Knowledge Consortium of Gujarat, Department of Education, Government of Gujarat** on the recommendation of the duly appointed agency, the Indian Centre for Academic Rankings and Excellence (**ICARE**) has rated

Navrachana University



as a **4 Star** Institution in the category of **Management** on the basis of comprehensive performance metrics as set out in the **Gujarat State Institutional Ratings Framework (GSIRF)** on the 28th February 2023.



BY ORDER

SJ Haider IAS
Principal Secretary
Higher & Technical Education
Government of Gujarat

M Nagarajan IAS
Commissioner
Higher Education
Government of Gujarat

Prof AU Patel
Advisor
Knowledge Consortium of Gujarat
Government of Gujarat

Dr Karthick Sridhar
Vice Chairman
Indian Centre for Academic
Rankings and Excellence

VALID UPTO 31st May 2023



The Executive Committee of the **Knowledge Consortium of Gujarat,**
Department of Education, Government of Gujarat on the
recommendation of the duly appointed agency, the Indian Centre for Academic
Rankings and Excellence (**ICARE**) has rated

Navrachana University



as a **4 Star** Institution in the category of
'Architecture' on the basis of comprehensive performance metrics as set out in the
Gujarat State Institutional Ratings Framework (GSIRF)
on the 28th February 2023.



BY ORDER

SJ Haider IAS
Principal Secretary
Higher & Technical Education
Government of Gujarat

M Nagarajan IAS
Commissioner
Higher Education
Government of Gujarat

Prof AU Patel
Advisor
Knowledge Consortium of Gujarat
Government of Gujarat

Dr Karthick Sridhar
Vice Chairman
Indian Centre for Academic
Rankings and Excellence

VALID UPTO 31st May 2023

SCHOOL OF BUSINESS AND LAW

Programs Offered	No. of Students enrolled for the year 2022-2023	No. of students (Cumulative)
BBA	196	522
BBA-LLB	27	87
MBA	69	135
LLM	07	07
EMBA	NA	10
TOTAL	299	761

Working in close association with industry and academic experts, right from curriculum development to students' projects, internships and work placements, School of Business and Law at NUV, Vadodara, Gujarat offers several unique undergraduate and postgraduate programs in the field of Management BBA, MBA and Law (BBA-LLB Integrated), LLM.

■ The School aims at:

- Making students learn, assimilate and practice the skills required to excel in today's dynamic world
- Focusing on basic concepts and theories of management and computer applications in business along with real-life practice to develop managerial and decision-making skills of students.
- Developing the right kind of values, ethics and attitudes required for becoming socially responsible citizens.

■ COLLABORATIONS & MOU'S

(Name of the organisation and purpose)

- Gujarat National Law University, Gandhinagar, Gujarat, India for Conference, Webinar, Training Program, Moot Court Training, National Seminar.
- CII - Young India, Vadodara, Gujarat, India for Social Immersion Project Collaboration
- Personal Nurturing Foundation, Deepak Foundation, Voluntary Youth Organization for Motivation, Kripa Foundation, Youth to Change Foundation,

Anand Ashram, Circle of Care, Davent Wellsprings Foundation, Happy Faces, Maharani Chimnabai Saree Udyogalaya, Mahavir Foundation Trust, Pratibha Foundation, Udayan Care, Abhi Siddhi Foundation for related to social immersion projects, for students to pursue social work projects, sharpen social skills, build value structures and issues of social development, to develop transferable and life skills.

■ AWARDS/RECOGNITION - TEACHERS

Dr. Anupama Chirag Dave, received Best Research Paper Award from 2nd Multidisciplinary International Conference (GTU ICON 2022), organized by GTU.

Dr. Sujatha Patil, Areceived Best Research Paper Award from 4th Annual International Conference on Comparative Law organized by Amity Law School, Noida (Amity University, Uttar Pradesh), in association with the School of Business and Law, Edith Cowan University, Australia.

■ AWARDS/RECOGNITION - STUDENTS

Ms. Divyangi Mistry & Ms Tithi Patel, received Azadi ka Amrut Mahotsav State Level Hackathon 2022 award from State Level Hackathon 2022 by SSIP and Gujarat Knowledge

Mr. Meet Shah and Parth Pathak, won third position, interuniversity at Kaun Banega Chanakya organized by Baroda Management association.

Ms. Nitya Shah, won first position, Interuniversity Meraki-Management Fest

Ms. Mit Soni, won the First Runner -up, Interuniversity at Chess-NUVYuva Management Fest

Ms. Nandita Patel, won the First Runner-up, Interuniversity at Women's Doubles Badminton Tournament-Baroda Youth Federation

Ms. Vaishali Navani, won the Innovative Trainer award at Innovative Trainers Award 2023-ISTD

RESEARCH PAPERS PUBLISHED IN JOURNALS

(Name of the Faculty, Title of paper, Name of Journal, ISSN Number)

Neha Taneja Chawla and Hitesh Bhatia, A Study on Evolution of Models Measuring Entrepreneurial Intention, Interwoven: An Interdisciplinary Journal of Navrachana University, 2021, ISSN 2581-9275

PUBLICATIONS IN BOOKS CHAPTERS

(Name of the teacher, title of the book/chapters published, title of the paper, title of the proceedings, ISSN nos. Name of the publisher)

Dave Anupama, Srivastava Sarika, Leveraging Core Competencies in Turbulent Times for Sustainability: Cases of Corporate Giants, 2022, 978-81-9555306-1-8, GTUICON conference paper proceeding.

Mr. Dhaval Mehta, Dr. Amol Ranadive, Dr. Jigna Prajapati, Dr. Rajiv Pandey, Quantum Computing: A Shift from Bits to Qubits, Survey of Open-Source Tools/Industry Tools to Develop Quantum Software, 2023, 978-981-19-9529, Springer Publication, Singapore.

Dr. Niyati Patel and Ms. Dharti Parikh, Community Mental Health and Wellbeing in the New Normal,

Women and Mental Health Concerns in the New Normal, 2023, 166847221X

Dr. Neha Chawla and Dr. Hitesh Bhatia, Geo-economic Perspectives in the Global Environment, Entrepreneurship education in the Indian context: Relevance and limitations, 2022, 978-1-032-30902-6, Routledge

Dr. Sujatha Patil Ms. Chandrika Tewatia Raj and Madhura Thombre, Law & Public Policy, 2023, 978-81-950434-2-2, Navrachana University

PROJECTS

Dr. Sujatha Patil, 2021, was awarded a project for Rs. 200,000 titled "A Study on the Role of IP Cells in Higher Educational Institutions in the City of Vadodara, Legal Department, Government of Gujarat, Scopus

CONFERENCES ORGANISED

- 5th Entrepreneurship Summit on 20th and 21st April 2023
- 5th IPR Symposium on IPR and Innovation with a Focus on Patent Creation and Management on 29th April 2023
- National Conference on Law & Public Policy on 3rd February 2023
- Workshop on PowerBI on 13th February 2023

CONFERENCE PARTICIPATION:

- **Dr. Sujatha Patil** attended World IP Forum-IP Fraternity Meet 2023 at Bengaluru.
- **Dr. Vidyamaan Singhal** attended Workshop on Sports Contract Drafting of Doctrina Ludus
- **Dr. Neha Taneja** attended SBM-NMIMS Mumbai 8th Conference of Indian Academy of Management Indian Academy of Management (INDAM) held by the School of Business Management (SBM)
- **Dr. Nikita Mehta** attended SBM-NMIMS Mumbai 8th Conference of Indian Academy of Management

Indian Academy of Management (INDAM) held by the School of Business Management (SBM)

- **Dr. Nikita Mehta** attended Summer Conference 2023, Center for Analytical Finance, ISB, Hyderabad
- **Dr. Pradeep Kumar Behra** attended Workshop on Statistical Process Control at FGI Vadodara
- **Dr. Priyanka Behrani** attended 32nd Annual Convention of the National Academy of Psychology (NAOP), Ahmedabad University, Ahmedabad
- **Dr. Anupama Dave** attended MICA Open Faculty Development Program on Innovations in Teaching Pedagogy for Higher Engagement with Millennials and Gen Z
- **Ms. Nidhi Jain** attended State Legal Aid Symposium, 2023, at Gujarat National Law University

PROGRAMS, EVENTS, WORKSHOPS, SEMINARS & ACTIVITIES CONDUCTED FOR STUDENTS

July 22 to Oct 22 Expert Session on "Driving Digital Transformation with Industry 4.0", Teachers Day Celebration 2022, Independence Day 2022, Hands on Workshop Make the leap to Virtual Reality, Technical Seminars on Artificial Neural Network: Introduction, Implementation and Application, Technical Seminar on High Performance Computing: Fundamentals and Applications, Box cricket league

Nov 22 to Feb 23 Expert talk on "Rotary machine on industrial domain and energy interface", Republic Day 2023, Three days' workshop on Finite Element Analysis, The Founders speaks- A startup talk series on Facing Failures, Expert talk - Prof. Matt Vijayan, University of Calgary, Canada

March 23 to June 23 Writing Research Proposal for External Funding, Research in Progress Presentation on "Unveiling the awareness level and Hesitance for Adoption of Menstrual Cups among Employed Women in the State of Gujarat" By Dr. Anupama Dave and Dr. Priyanka Behrani.

FDP/TRAINING PROGRAMS FOR TEACHERS AND STAFF

Ms. Juhi Bakshi attended a workshop on Advance Data Analysis Using SPSS from 27th January to 29th January 2023 organised by Navrachana University.

Dr. Anupama Dave a workshop on Advance Data Analysis Using SPSS from 27th January to 29th January 2023 organised by Navrachana University.

Ms. Juhi Bakshi attended a workshop on Analytics Using Power BI on 13th February 2023 organised by Navrachana University.

Dr. Priyanka Behrani attended a workshop on Analytics Using Power BI on 13th February 2023 organised by Navrachana University.

Dr. Priyanka Behrani attended a workshop on POSH-Train the Trainer workshop from 5th January to 7th January 2023 Skill Deck

Dr. Priyanka Behrani attended autism spectrum disorder: Comprehensive Assessment and Integrated Management from 29th September to 30th September 2022 by Himalayan Institute of Medical Sciences, Dehradun.

Dr. Priyanka Behrani attended a program on Basic Transactional Analysis from ICTA from 4th May to 7th May 2023, Institute of Counselling, and transaction Analysis.

Dr. Anupama Dave attended a workshop on Analytics Using Power BI on 13th February 2023 organised by Navrachana University

Dr. Anupama Dave attended a workshop on Analytics Using Power BI on 13th February 2023 organised by Navrachana University

Dr. Anupama Dave attended Open Faculty Development Program on Innovations in Teaching Pedagogy: for Higher Engagement with Millennials and Gen Z scheduled on April 21 & 22, 2023 at MICA, Ahmedabad.

Dr. Anupama Dave attended a training program on Writing research proposal for research funds from 12th May and 13th May 2023 organised by Navrachana University.

Dr. Anupama Dave attended a Faculty Development Program on Gender Sensitization on 2nd May and 13th December 2022 organised by Navrachana University.

Ms. Madhura Thombre attended a Faculty Development Program on Statistical Techniques of Data Analysis from 22nd to 26th May organised by Acharya Business School, Bangalore

Dr. Ankita Sharma attended One Day Faculty Development Program on Systematic Literature Review and Meta Analysis organised by Indian Institute of Management Studies, Pune.

- Edunet Foundation, Gurgaon, for establishing Center of Excellence with a Project cost- approx.



SCHOOL OF ENGINEERING AND TECHNOLOGY

Programs Offered	No. of Students enrolled for the year 2022-2023	No. of students (Cumulative)
Bachelor of Technology (Computer Science Engineering, Information Technology, Mechanical Engineering, Electrical & Electronics Engineering, Civil Engineering)	151	587
Master of Technology (Computer Science & Engineering)	08	08
Bachelor of Computer Application	92	220
Bachelor of Science In Data Science	29	63
TOTAL	280	878

To emerge as a center of excellence for holistic higher education, the University has established a top-class School of Engineering and Technology as a key provider of knowledge through teaching, research and industry connect in the field of Engineering and Technology. The school offers a curriculum that lays emphasis on theory as well as the application of engineering concepts.

■ It emphasizes

- Knowledge of core engineering with strong laboratory and workshop components.
- State-of-the-art modern curriculum incorporating the best engineering concepts and practices
- Hands-on-training for a better understanding of real-life applications.
- Continuous evaluation and closed loop feedback system enhancing self-motivation, transparency, and learning.
- Industry-Academia partnership for better understanding of engineering education and its applications.
- Broad-based education and holistic development via courses in humanities, management, and communication skills.

■ COLLABORATION & MOUs

(Name of the organisation and purpose)

- **Binghamton University, Binghamton, New York, USA** for joint seminar series
- **Ascendtis, Panacea Software, Pixelotech, Capiq Engineering Pvt. Ltd.** - for internships and Placements

- Edunet Foundation, Gurgaon, for establishing Center of Excellence with a Project cost- approx. Rs. 29,00,000,
- MG Motor India Private Limited, MG Nurture Program to provide training to students, provide support in terms of faculty/instructor training, content guidelines for the curriculum/syllabus/ course modules.
- National Remote Sensing Center, ISRO, Hyderabad, India for Orientation session study the atmospheric lightening, data collection, analysis to NRSC, training
- Composite Excellence center of Asia, Vadodara, Gujarat, India for joint conferences and seminars/ webinars, training, student's projects.
- MG Motors India Pvt Ltd, Halol, Panchmahal, Gujarat, India for donation of Hector for student's research and activities.
- SIROTEC-Siemens Rotary Training & Education Centre, Vadodara, (Siemens), Gujarat, India for joint projects and training program for students

AWARDS/RECOGNITION OF TEACHERS

- **Ms. Yogesh Chaudhari**, received for Best Paper Award for Wizagro- The Smart Agriculture Using IoT and Cloud Computing from International Scientific Research Conference, Jaipur, India.
- **Ms. Kriti Jaiswal**, received for Best Paper Award for Wizagro- The Smart Agriculture Using IoT

and Cloud Computing from International Scientific Research Conference, Jaipur, India.

AWARDS/RECOGNITION OF STUDENTS

Name/ Interuniversity/name of the award /name of the event

- **Ms. Babita Patel** received for Best Paper Award for Wizagro- The Smart Agriculture Using IoT and Cloud Computing from International Scientific Research Conference, Jaipur, India.
- **Mr. Gaurav Patel** received Azadi ka Amrut Mahotsav State Level Hackathon 2022 award from State Level Hackathon 2022
- **Mr. Siddhant Shah** received Azadi ka Amrut Mahotsav State Level Hackathon 2022-regional level from State Level Hackathon 2022
- **Mr. Siddhant Shah** received Azadi ka Amrut Mahotsav State Level Hackathon 2022-regional level from State Level Hackathon 2022
- **Ms. Abha Gosain** received Azadi ka Amrut Mahotsav State Level Hackathon 2022-regional level from State Level Hackathon 2022
- **Ms. Anuja Pittie** received Azadi ka Amrut Mahotsav State Level Hackathon 2022-regional level from State Level Hackathon 2022
- **Ms. Anuja Pittie** received Azadi ka Amrut Mahotsav State Level Hackathon 2022-Grand Finale from State Level Hackathon 2022

RESEARCH PAPERS PUBLISHED IN JOURNALS

(Name of the Faculty, Title of paper, Name of Journal, ISSN Number)

Aashna Jain, Nandini Garg, Abhishek Chitnis, Bharat Bhooshan Sharma and Pallavi Ghalsasi, Pressure-Induced Phase Transitions and Amorphization in HgCN(NO₃), Journal of Physical Chemistry C, 2023, ISSN 1932-7447

Dipali Pandya, Amarish Badgujar, Nilesh Ghetiya, Ankit Oza, Characterization and optimization of duplex stainless steel welded by activated tungsten inert gas welding process, International Journal on Interactive Design and Manufacturing (Springer), 2022

Dipali Pandya, Amarish Badgujar, M. N. Qureshi, Nilesh Ghetiya, Flux-Bounded TIG welding process in Duplex Stainless Steel: A Performance Enhancement Study, International Journal of Materials Engineering Innovation (Inderscience), 2022

V.K. Parikh, Vivek Patel, D.P. Pandya, Joel Andersson, Current status on manufacturing routes to produce metal matrix composites: State-of-the-art, Journal of Heliyon (Elsevier), 2023

Dipali Pandya, Amarish Badgujar, M. N. Qureshi, Nilesh Ghetiya, Enhancement of weld penetration in 2205 stainless steel by TIG welding novel variants, International Journal of Materials Engineering Innovation (Inderscience), 2022

BOOKS CHAPTERS PUBLISHED

(Name of the teacher, title of the book/chapters published, title of the paper, title of the proceedings, ISSN nos. Name of the publisher)

Kirshori Sekokar & Dr. Shweta Dour, Identification of Epileptic seizures using CNN on noisy EEG signal, international conference on electronics & communication & aerospace technology (ICE-CA 2022), 978-1-6654-8271-4, RSV technical campus, Coimbatore.

Dr. Saloni Pandya, Sustainable Pavement Subgrades for Unsaturated Saline Bhavnagar Coast, International Conference on Transportation and Development 2022: Pavements, ASCE, 978-0-784484371, American Society of Civil Engineers Seattle, Washington, USA

Dr. Saloni Pandya, Geotechnical Assessment of Highly Saline Soil Stabilized with Fly Ash - Cement Admixtures, DFI-India 2022 11th Annual Conference on Deep Foundation Technologies for Infrastructure Development, Proceedings of Deep Foundation Technologies for Infrastructure Development in India, 2022, Deep Foundation Institute

Dr. Saloni Pandya, Pore Pressure Evolution of Bentonite Treated Micaceous Sand under Cyclic Loading Conditions, Two-day symposium on Socio-Technological As-

pects of Seismic Disaster and Mitigation (STASDM - 2022) Socio-Technological Aspects of Seismic Disaster and its Mitigation (STASDM), 2022, Centre for Disaster Management and Research Indian Institute of Technology Guwahati.

Dr. Hiral Parikh, Lecture Notes in Mechanical Engineering, Springer Publisher, 3-D Printing: A Review of Manufacturing Methods, Materials, Scope and Challenges, and Applications, 2022, 2195-4364, Springer

Dr. Hiral Parikh, Design, Investigation and Modification of Triple Step Helical Transmission Casing Utilizing Numerical Techniques Anticipating Several Materials, 4th International conference on recent advances in Mechanical Infrastructures (ICRAM 2022), IIT RAM

Dr. Nirav Patel, Performance of GFRP-RC Element Under Axial Loading, [ICC IDEA - 2023] Proceedings, 2023, SRM Institute of Science and Technology

Dr. Nirav Patel, Load-Bearing Masonry: FE Numerical Analysis Approach, [ICC IDEA - 2023] Proceedings, 2023, SRM Institute of Science and Technology

Mr. Rahul Shah, Sulphate Attack on Marine Concrete: A Concern and Challenge, Global Exigencies for Smart and Sustainable Technologies (GESST), 2023, 978-93-5912-982-2, Indus University

Mr. Rahul Shah, Seismic Behavior of Multi-Storeyed Building with Overhead Water Tanks as Tuned Dampers, [ICC IDEA - 2023] Proceedings, 2023, SRM Institute of Science and Technology.

Mr. Rahul Shah, Effects on concrete subjected to marine water exposure, international Conference on Recent Advances in (Applied) Sciences & Engineering (RAISE), 2023, 978-81-962938-0-2, The M.S. University of Baroda.

Ms. Vaidehi Jain, Experimental study on bituminous pavement performance using chemical admixtures in surface course, international conference on recent advances in applied science and engineering, 2023, 978-81-962938-0-2, The M.S. University of Baroda.

Ms. Vaidehi Jain, Parametric Study on Geogrid Application in Interlayer of Flexible Pavement, Global Exigencies for

Smart & Sustainable Technologies (GESST), 2023, 978-93-5912-982-2, Indus University and ISTE

Dr. Dipali Pandya, Effect of sintering on characteristics of Al-SiC Functionally Graded Material manufactured using powder metallurgy route, Indo-European Conference on Advanced Manufacturing and Materials Processing (IECAvMAP-2023), 2023, Carmel College of Engineering and Technology, Punnapra, Kerala.

Dhaval Mehta, Survey of Open-Source Tools/Industry Tools to Develop Quantum Software, Quantum Computing: A Shift from Bits to Qubits, 2023, 978-981-19-9529-3, Springer Nature

Jaideepsinh Raulji, Yogesh Chaudhari, Vrunda Bhavsar, Kriti Jaiswal, Emerging Trends in Data Science, Artificial Intelligence and Machine Learning, A Deep Learning based POS Tagger Model for Gujarati Language, 2022, 9788195585694, AN Publications

Sarfraz Syed, Jaideepsinh Raulji, Yogesh Chaudhari, Emerging Trends in Data Science, Artificial Intelligence and Machine Learning, Classification of Gujarati News Headlines Using Machine Learning Techniques, 2022, 9788195585694, AN Publications

CONFERENCE ORGNIZED

MG Nurture program 2023 held on 19th January 2023

CONFERENCE PARTICIPATION

Dr. Hiral Parikh attended 14th International Conference on Material Processing and Characterizations

Ms. Dipali Pandya attended Indo-European Conference on Advanced Manufacturing and Materials Processing (IECAvMAP-2023)

Dr. Umme Salma Pirzada attended international conference on Differential Equations and Control Problems at School of Mathematical and Statistical Science, IIT Mandi, H.P, India.

PROGRAMS, EVENTS, WORKSHOPS, SEMINARS & ACTIVITIES CONDUCTED FOR STUDENTS

July 22 to Oct 22 Teachers Day Celebration 2022, Independence Day 2022, Research in Progress Presentation on "Cooking Composites", Expert talk on "Basics of ART (Assisted Reproductive Techniques)" by Prof. Nirmal Basin, Chandigarh

Nov 22 to Feb 23 Republic Day 2023, NUV Lecture Series Seminar on 'Raman- A Quintessential Tool for Research' by Prof. Chandrabhas Narayana, Research in Progress Presentation on "On exact solutions and buckling behavior of structural problems via generalized computational methodology" by Prof. Payal Desai, Workshop on "Raman Spectroscopy: Basics to Applications", Expert talk on Environmental pollutants and their effects on health and disease by Prof. Matt Vijayan, University of Calgary, Canada

March 23 to June 23 NUV Lecture Series Seminar - Prof. Utpal Tatu, Expert Talk State-of-the-art applications of computer vision - a research perspective, Project Exhibition of Core Engineering Students, Project Exhibition Computer Science & Engineering Students

FDP/TRAINING PROGRAMS FOR TEACHERS AND STAFF

Dr. Hetal Desai attended 5th National IPR Symposium on IPR & Innovation with a focus on patent Creation and Management on 29th April 2023 at Navrachana University, Vadodara

Dr. Hetal Desai attended a webinar on Simulink & Simscape electrical for research & training on 25th March 2023

Dr. Hetal Desai attended an Expert talk on A Plug & play operational approach for implementation in autonomous micro-grid System on 20th June 2023 at SVNIT Surat

Dr. Hetal Desai attended certification course on “ MATLAB/Simulink for power electronics simulation on 4th March 2023 from Udemy

Dr. Hetal Desai attended certification course on “ MATLAB/Simulink for system electronics simulation on 12th March 2023 from Udemy

Ms. Harsha Bodas attended Confederation of Indian Industry FDP from 5th August to 6th August 2022 at Unitrans Power LLP & Micro Mech Engineers, Vadodara

Ms. Harsha Bodas attended Gender Sensitization program from 5th August to 6th August 2022 at Unitrans Power LLP & Micro Mech Engineers, Vadodara

Ms. Harsha Bodas attended a webinar on Simulink & Simscape electrical for research & training on 25th March 2023

Ms. Harsha Bodas attended a industrial training from 15th May to 20th May 2023 at ABB Hitachi Ltd.

Dr. Prakruti Shah attended Connected autonomous electrical vehicle course from 30th January to 4th February 2023 under MG Nurture at Navrachana University

Dr. Prakruti Shah attended 5th National IPR Symposium on 29th April 2023 conducted by SBL, Navrachana University.

Dr. Prakruti Shah attended one-week online FDP in Recent advancement & research opportunities in electrical engineering from 7th July to 11th July 2022 at Gargi Memorial Institute of Technology

Dr. Prakruti Shah attended a two-day workshop on Writing research proposal for research funds on 12th and 13th May 2023 by SLSE, Navrachana University

Dr. Hiral Parikh attended a two-day workshop on Writing research proposal for research funds on 12th and 13th May 2023 by SLSE, Navrachana University

Dr. Hiral Parikh attended an industrial training from 22nd June 2023 to 23rd June 2023 at Bhagwati Engineering works.

Dr. Viren Parikh attended a five-day workshop on Interpretation of Instrumental Methods (WIIM-2023) from 2nd Jan to 6th January 2023. at Sathyabama Institute of Science and Technology (Deemed to be University) and CSIR - NML Madras Centre, Chennai

Dr. Viren Parikh attended a training program on Lightweight Materials for Automotive Applications: Fundamental, Recent Developments and Challenges in Manufacturing from 9th January to 13th January 2023 at SVNIT Surat

Dr. Viren Parikh attended a short-term training program Battery Thermal Management Systems: Present and Future from 12th June to 16th June 2023 at SVNIT Surat

Dr. Dipali Pandya attended a five-day workshop on Interpretation of Instrumental Methods (WIIM-2023) from 2nd Jan to 6th January 2023.at Sathyabama Institute of Science and Technology (Deemed to be University) and CSIR - NML Madras Centre, Chennai

Dr. Dipali Pandya attended a short-term training program on Battery Thermal Management Systems: Present and Future from 12th June to 16th June 2023 at SVNIT Surat

Dr. Amarish Badgujar attended a program on Employability Skill Development program from 20th March to 25th March 2023 organised by MG Motors India Pvt. Ltd under MG Nurture initiative.



State-of-the-art applications of
Computer vision
 - a research perspective

Speaker



Dr. Mehul S Raval
 Professor and Associate Dean,
 Ahmedabad University

Saturday, 8th April, 2023 | 11:30 am To 12:50 pm
 Venue : Auditorium, 5th floor, Block - A



SCHOOL OF ENVIRONMENTAL DESIGN AND ARCHITECTURE

PROGRAMS OFFERED AND STUDENTS

ENROLMENT: 2022-23

Programs Offered	No. of Students enrolled for the year 2022-2023	No. of students (Cumulative)
Bachelor of Architecture	44	209
Bachelor of Design (Interior)	40	148
TOTAL	84	357

The School of Environmental Design and Architecture (SEDA) is at the cutting-edge of ingenuity; it provides a dynamic and challenging environment that fosters creativity, critical thinking, and intellectual development; the ability to respond to the natural environment and cater to the spatial needs and aspirations of individuals and the society. The School has been established to offer broad-based Design Programs in Architecture and Interior Design with focused education to meet the challenges of the design profession.

COLLABORATION & MOUs

(Name of the organisation and purpose)

- **University of Bonn** for joint research and teaching activities, joint conferences, seminars, symposia, summer courses, exchange of faculty, research scholars, staff.
- **North Dakota State University** (NDSU), Fargo, North Dakota, USA for Faculty exchange program- Prof. Pratyush Shankar, from SEDA, Navrachana University was invited as member of the jury for the McKenzie Award Jury for the students at North Dakota State University

AWARDS/RECOGNITION OF TEACHERS

Prof. Pratyush Shankar was invited as a Jury member for 32nd JK Architect of the Year Award at Nashik and also deliver a talk on his practice and research along with two other architects from Kenya and Bangladesh.

AWARDS/RECOGNITION OF STUDENTS

(Name/ Interuniversity/name of the award /name of the event)

Nishad Kela, Zonal Level Award, Students' Awards for Excellence in Architectural Thesis 2022- Architecture

Hriday Gandhi, Zonal Level Award, Students' Awards for Excellence in Architectural Thesis 2022- Design for addressing societal concern.

Smriti Dhariwal, Zonal Level Award, Students' Awards for Excellence in Documentation of Architectural Heritage 2022- Indigenous Dwellings

RESEARCH PAPERS PUBLISHED

(Name of the Faculty, Title of paper, Name of Journal, ISSN Number)

Priyanka Kanhare, Cause and Impact of Alteration Along Riverine Landscape Interwoven: An Interdisciplinary Journal of Navrachana University; Volume 5 (Issue 1 and 2). e-ISSN (2581-9275)

BOOKS CHAPTERS PUBLISHED

(Name of the teacher, title of the book/chapters published, title of the paper, title of the proceedings, ISSN nos. Name of the publisher)

Pratyush Shankar, History of Urban Form of India, 2023, 978-0-19-946809-6, Oxford University Press

Pratyush Shankar, Snigdha Srivastav, Embodied Dependencies and Freedoms, Indigenous Modernities in Dependent Princely Cities: Design of Public and Civic Spaces in Baroda, 2023, De Gruyter, Germany.

Pragya Shankar, Dwelling and Landscape Setting: Continuity of Cultural Ideas in Dwellings of Udaipur, ISVS 11, Potency of Vernacular Settlement, 2023, 978-1-032-48426-6, Routledge.

Sanjana Samel, Shalini Amin, Potency of Vernacular Settlement, Tenable Craft Practices: A Study of Clay Pottery in Kumbharwada, ISVS 11, 2023, 978-1-032-48426-6, Routledge

Advaita Jalan, Re-interpreting the rules of Vernacular Practices for Contemporary Built Form within an Urban Setting, ISVS 11, Potency of Vernacular Settlement, 978-1-032-48426-6, Routledge.

Priyanka Kanhare, Point of Hybrid: Negotiating between Developmental Activities and Ecological Processes along Land-Water Mediation, ISVS 11, Potency of Vernacular Settlement, 2023, 978-1-032-48426-6, Routledge.

Manali Bhadra, Vernacular Water Conservation Traditions by Pastoral Community: Study of Virdas, Banni Grasslands, Kutch, ISVS 11, Potency of Vernacular Settlement, 2023, 978-1-032-48426-6, Routledge

■ CONFERENCES

International Workshop - Urban Resilience which was organized by TU Darmstadt in Germany and included numerous international collaborators. Professor Pratyush Shankar took on the role of moderator for the opening keynote session. which saw the participation of approximately 125 delegates. This event took place on June 20, 2022

International Seminar organized

11th International Seminar on Vernacular Settlements, 2022 was organized in SEDA from 30th September 1st and 2nd October 2022

Lecture Series:

My practice and academic journey lecture by Pratyush Shankar. An interesting Talk by Prof. Pratyush Shankar – A Practicing Architect and an Academic; Provost of Navrachana University and Dean of SEDA, Navrachana University, Vadodara.

To Look Beyond Architecture as the only spectacle of the city: Contextualizing the Intangible with the Tangible by Prof. Niyati Jigyasu

■ PROGRAMS, EVENTS, WORKSHOPS, SEMINARS & ACTIVITIES CONDUCTED FOR STUDENTS

July 22 to Oct 22 Teachers Day Celebration 2022, Independence Day 2022, Related Study Program (RSP) to four different parts of the country., Student Sketching Club, Construction Week and Tinker Fest, Research Colloquium "Paper pulp as a new material for designing Interior furnitures" presentation by Muskan Soni, Research Colloquium on Significance and Experiential qualities of urban wilderness: Case in Vadodara presentation by Pareen Khambhayta, Craft Workshop Autumn Semester, Mej ki Mandli Furniture workshop

Nov 22 to Feb 23 Republic Day 2023, Construction Week, Block Making & Printing Workshop, Furniture Workshop

March 23 to June 23 Research Symposium 2023, Spring Semester End Exhibition, Museum on wheels by CSM-VS museum, Studio 4 'Fiction of Landscape' focussing on design as a response to the natural and man-made landscape setting of the site and its immediate context, Sketching Trip Kamnath Mahadev, Movie Screening, Spring Semester Exhibition, Exploring Modern Architectural Theories: From Early to Late Modern Concepts and Beyond, Models of the week: Interacting Planes – Blurring Boundaries", Nature Club, Pottery Club, WLAM EVENT

SCHOOL OF LIBERAL STUDIES AND EDUCATION

PROGRAMS OFFERED AND STUDENTS ENROLMENT: 2022-23

Programs Offered	No. of Students enrolled for the year 2022-2023	No. of students (Cumulative)
Bachelor of Education	45	92
Bachelor of Arts - Journalism & Mass Communication	30	95
Master of Social Work	NA	13
TOTAL	95	228

Master of Social Work Program started under the aegis of School of Liberal Studies and Education in 2016. It is a 4-semester program. It is a generic program, which offers 33 courses and is of 100 credits. It has research and fieldwork as an integral part of the program. Three days' students come to campus and for three days they are in the field. Fieldwork goes hand in hand with theory so that students get hands on learning simultaneously. Apart from fieldwork students are also engaged in rural camps and study tours. Rural camps are organized inside Gujarat and study tours are organized outside the state of Gujarat to provide wider exposure to expand their horizon in the field of Social Work Profession

B.A Journalism and Mass Communication Program also started in the year 2016 under the aegis of the School of Liberal Studies and Education. It is a three-year, six-semester program that gives exposure to students in different kinds of Media and skill sets and tool set associated with media.

Students are given hands on training through Newsletter "Campus Observer" where students become reporters and gather and disseminate campus-related news. It also has a state-of-the-art studio and sound recording facility to train students. Photography, pod-

Well-known for its programs in teacher education, which are NCTE approved, the School has a well-earned reputation in the field of teacher education due to its high-quality curriculum, practice teaching components, faculty and research. The University, which has its roots in top-quality schools, is well connected with the local education community and ensures that the knowledge and skills, essential for a modern-day teacher, are adequately developed through its courses and successfully applied to the needs of schools and society. B.Ed has an excellent record (100%) in placement over the last Fourteen years.

cast, blog, vlog, and other narratives are created by the students under the able guidance of the faculty members.

Ph.D. in Education program started in 2011 is a robust program guided by the faculty members of SLSE. NUV total number of Ph.D. research scholars registered is 79 and research scholars registered for Ph.D. in the year 2022-23 is 15.

COLLABORATIONS & MOU'S

Aatapi Seva Foundation, Jambusar, Bharuch, Gujarat, India for social immersion KHOJ project

AWARDS/RECOGNITION OF TEACHERS

Dr. Rishi Raj Balwaria received for Best Research Paper Award from International Conference on Holistic Education and World Peace at K.R Mangalam University, Gurugram, Haryana.

AWARDS/RECOGNITION OF STUDENTS

(Name/ Interuniversity/name of the award /name of the event)

Mr. Pranshu Shah won award at both National & International level at Golden Fern Film Awards, Luis Bunuel Memorial Awards

Mr. Pranshu Shah film won award National & International accolades at Lift off Global Networks, Goa Short film festival.

Mr. Kriteyu Vyas won award at both National & International level The Whispers Kriteyu Vyas India Winner at Golden Lion International Film Festival 2023

Mr. Kriteyu Vyas won award at both National & International level The Whispers Kriteyu Vyas won the Lift off Global Networks

RESEARCH PAPERS PUBLISHED IN JOURNALS

(Name of the Faculty, Title of paper, Name of Journal, ISSN Number)

Bhushra Al-Muttairi & J.A.H. Khatri, Metaphor, Creative Representation, and the Self: A Semiotic Analysis of Selected Arabic Short-stories by Female Writers, Sanglap: Journal of Literary and Cultural Inquiry, 2022, ISSN 2349-8064

Nishant Choksi & J.A.H. Khatri, Introduction: Asian Perspectives on Semiotics, Sanglap: Journal of Literary and Cultural Inquiry, 2022, ISSN 2349-8064

J.A.H. Khatri, Signs and Differentiation: jaL and Paani in Gujarati, Sanglap: Journal of Literary and Cultural Inquiry, 2022, ISSN 2349-8064

BOOKS CHAPTERS PUBLISHED

(Name of the teacher, title of the book/ chapters published, title of the paper, title of the proceedings, ISSN nos. Name of the publisher)

Javed Khatri, Translation Trails, Hind Swaraj: Understanding the Concept through Translation, 2022, 978-93-5529-079-3, Authors Press, New Delhi

PROGRAMS, EVENTS, WORKSHOPS, SEMINARS & ACTIVITIES CONDUCTED FOR STUDENTS

July 22 to Oct Teachers Day Celebration 2022, Independence Day 2022, Research in Progress Presentation on "The Science of Thinking Critically" by Dr. Vaibhavi Pandya

Nov 22 to Feb 23 Teachers Day Celebration 2022, Independence Day 2022, Research in Progress Presentation on "The Science of Thinking Critically" by Dr. Vaibhavi Pandya

March 23 to June 23 Parvaaz, Incipience an exhibition of Student work

FDP/TRAINING PROGRAMS CONDUCTED BY INSTITUTION FOR TEACHERS AND STAFF

Dr. Vaibhavi Gawarikar attended a training program on Writing research proposal for research funds from 12th May and 13th May 2023 organised by Navrachana University.

Dr. Vaibhavi Gawarikar attended a program on Competency Based Education-Module 1 on 27th January 2023 conducted by CBSE.

Dr. Vaibhavi Gawarikar attended a Toy Based Pedagogy on 28th January 2023 organised by Council of Indian School Certificate Exams

Dr. Vaibhavi Gawarikar attended a Experiential Learning course on 24th January 2023 organised by CBSE

Dr. Rishi Raj Balwaria attended a training program on Writing research proposal for research funds from 12th May and 13th May 2023 organised by Navrachana University.

Dr. Rishi Raj Balwaria attended a Refresher Course on Experiential Learning and Skilling in Higher Education from 31st July to 12th August 2023 conducted by UGC - Human Resource Development Centre. Guru Ghasidas Vishwavidyalaya. (A Central University). Bilaspur (C.G.)

SCHOOL OF SCIENCE

Programs Offered	No. of Students enrolled for the year 2022-2023	No. of students (Cumulative)
B.Sc. (Chemistry, Life Sciences, Microbiology)	56	150
B.Sc. M.Sc. Biomedical Science	27	97
M.Sc. (Chemistry, Life Science, Microbiology, Biotechnology)	53	109
TOTAL	136	356

The School of Science offers B.Sc.(Specializations-Chemistry, Life Sciences, Microbiology), BMS (Specializations – Molecular medicine, Drug Discovery and design, Reproductive Biomedicine, Human Genetics, Neurobiology), MSc-Life Science (Specializations – Plant Science; Animal Science; Biochemistry; Environment Science), MSc – Chemistry (Specializations – Organic Chemistry, Analytical Chemistry), MSc-Biotechnology (Specializations – Agriculture Biotechnology, Clinical Biotechnology) and MSc- Microbiology (Specializations - Agriculture Microbiology, Clinical Microbiology).

The School of Science has highly qualified and experienced Faculty. It also facilitates research leading to Doctoral Degree – PhD. School of Science has International/National Collaborations with:

- University of Naples, Italy
- Bob Jones University, USA for joint research projects, conference, programs and seminars.
- The University of Arizona, Tuscan, Arizona, USA
- Co-Diagnostics Inc., Salt Lake City, Utah, USA
- El Almaty Management University”, Almaty, Kazakhstan

COLLABORATIONS & MOU'S

(Name of the organization and purpose)

- Universita Politecnica delle Marche, Italy
- Bob Jones University, USA for joint research projects, conference, programs and seminars.
- The University of Arizona, Tuscan, Arizona, USA International Conference on Public Health (ICPH-2021) in collaboration with Arizona University
- CoSara-Diagnostics, Vadodara, Gujarat, India for joint research and programs, expert talks.
- Kailash Cancer Hospital for joint research projects, workshops, awareness programs, seminars, exchange visits, and short courses for students
- Lifeline Foundation for joint research projects, collaborative vocational training, to develop a

unit or model R & D center for research, summer training and dissertation work for students.

- Gujarat Biotechnology Research Center for collaborative research, education to impart, advanced training workshops, awareness programs, research proposals for funding and publications, joint research for students, faculty, staff.
- Gene Explore Diagnostics and Research Center Pvt. Ltd for joint research projects, collaborative vocational training, to develop a unit or model R & D center for research, summer training and dissertation work for students.
- Oasis Fertility for joint research projects, hold programs, seminars, workshops, short courses and field training,
- Omgene Life Sciences Pvt. Ltd. for internships, placements, industrial training & visit, infrastructure and analysis report, joint research activities in the field of drug products, collaborative Ph.D. programs.
- Gujarat life Sciences, Vadodara, Gujarat, India for Research projects, seminars, workshops
- WCB Research Foundation, India for joint research projects, vocational training, to develop R & D center.
- Scientific Remedies Pvt Ltd, Vadodara, Gujarat, India for internship, joint research and Workshops
- Community Science Centre - Vadodara, Gujarat, India for Collaborative research and Workshops, Expert talks
- DBL Enterprises, Vadodara, Gujarat, India for joint research projects, vocational training, develop a unit or model R & D center for students.
- Pixelotech, Vadodara, Gujarat, India

- CoSara-Diagnostics, Vadodara, Gujarat, India for joint research and programs, expert talks
- Zion Engineering Works, Savli, Vadodara, Gujarat, India
- Entropik Technologies Pvt Ltd, Bengaluru, Karnataka, India for imparting training on consumer research, Neuromarketing - Eye Tracking Experiment Sessions and activities
- Pragrathan - Rejuvenating Nature, Rajkot, Gujarat, India for Training and dissertation work

AWARDS/RECOGNITION OF TEACHERS

Dr. Darshee Baxi, Associate Professor, received National Recognition, MRE Award (Membership in Reproduction and Endocrinology) from Society for Reproductive Biology and Comparative Endocrinology

Dr. Darshee Baxi, Associate Professor, received Dr. P Daisy Gold Medal Oration Award from Society for Reproductive Biology and Comparative Endocrinology, during international conference on reproductive biology, comparative endocrinology and development, Hyderabad, India

Dr. Ankita Doshi received Young Scientist Award from The M. S. University of Baroda, Vadodara at an International Conference

AWARDS/RECOGNITION OF STUDENTS

Ms. Shilpi Pillai received Best Oral presentation - National Conference in Climate, Community and Conservation

Ms. Nehareeka Dan received Best Oral presentation award from InSc School in chronobiology.

Ms. Dwiti Thakkar secured first runner up in Inter university NUVYuva.

RESEARCH PAPERS PUBLISHED IN JOURNALS

(Name of the Faculty, Title of paper, Name of Journal, ISSN Number)

Elucidating the host preference by the pulse beetle *Callosobruchus chinensis* (L), Indian Journal of Entomology, 2023, ISSN 0367-8288

Linta Paulson, Parth Pandya, Bhumi Thakkar, Nishi Pandya & Pragna Parikh, Molecular Characterization of Coleopteran Pests and its Relations to Agricultural Crops, Proceedings of the Zoological Society, 2023, ISSN 0373-5893

Shreyash D. Kadam, Denni Mammen, Deepak S. Kadam, Sudhakar G. Patil, In silico molecular docking against C-KIT Tyrosine Kinase and ADME studies of 3-Ethyl-2-(2,3,4-trifluoro-phenylimino)-thiazolidin-4-one derivatives, *Journal of Asian J. Research Chem*, 2023, ISSN 0974-4150

Renita, A.A.; Gajaria, T.K.; Sathish, S.; Kumar, J.A.; Lakshmi, D.S.; Kujawa, J.; Kujawski, W., Progress and Prospective of the Industrial Development and Applications of Eco-Friendly Colorants: An Insight into Environmental Impact and Sustainability Issues., *Journal of Foods*, 2023, ISSN 2304-8158

Nirali Rathwa, Nishant Parmar, Sayantani Pramanik Palit, Roma Patel, Ravi Shankar Bhaskaran, AV Ramachandran, Rasheedunnisa Begum, Calorie restriction potentiates the therapeutic potential of GABA in managing type 2 diabetes in a mouse model, *Journal of Life Sciences*, 2022, ISSN 1879-0631

Sayantani Pramanik Palit, Roma Patel, Nishant Parmar, Nirali Rathwa, Nilay Dalvi, AV Ramachandran, Rasheedunnisa Begum, Repurposing Pitavastatin and L-Glutamine: Replenishing β -Cells in Hyperlipidemic Type 2 Diabetes Mouse Model, *Journal of Life Sciences*, 2023, ISSN 2075-1729

Roma Patel, Nishant Parmar, Sayantani Pramanik Palit, Nirali Rathwa, AV Ramachandran, Rasheedunnisa Begum, Diabetes mellitus and melatonin: Where are we? *Journal of Biochimie*, 2022, 1638-6183

Riddhi M, Parth P and Monisha K, Strategies for Secondary Metabolite Production: A Review, *Journal of Plant Biotechnology*, 2023, ISSN 2249-7412

Jeetendra Y. Salunke and Ganapati D. Yadav, Lanthanum doped Zirconia as an Efficient Catalyst for Reductive Amination of 2-Methoxybenzaldehyde with Dimethylformamide via Leuckart Type Reaction, *Journal of ES Materials & Manufacturing*, 2023 2578-062X.

Khushali Upadhyay, Foram Patel, Yashshvini Patel, A. V. Ramachandran, Darshee Baxi, Emphasizing the Role of Multi-omics Approach to Increase Survival Rate of Breast and Prostate Cancer Patients, *Journal of Endocrinology and Reproduction*, 2023, ISSN (Online): 2455-1244; ISSN (Print): 0971-913X.

Mammen Daniel, Rudra Patel and Elizabeth Robin, Pericyclic origin of Monocot meristem - Evidence from Curcuma and Zingiber, *Journal Of Electronics Information Technology Science And Management*, 2022, ISSN 0258-7982

Deepak S.Kadam Sudhakar G.Patil Shreyash D. Kadam Ankita Doshi Foram Patel, Synthesis of novel 5-arylidene-3-ethyl-2-(2, 4, 5-trifluorophenylimino)-thiazolidin-4-one derivatives using ultrasonic knoevenagel conditions and evaluation of its antimicrobial activity, *Journal of Emerging Technologies and Innovative Research*, 2022, ISSN 2349-5162

Ankita Doshi, Sandeep Kumar Dantuslia & C Ratna Prabha, Mutations in the ubiquitin gene of *Saccharomyces cerevisiae* accompanied by divergent use of CUG codon affect morphogenesis in *Candida albicans*, *Indian Journal of Biochemistry and Biophysics (IJBB)*, 2023, ISSN 0975-0959

Aaron H. Colby, Jack Kirsch, Amit N. Patwa, Rong Liu, Beth Hollister, William McCulloch, Joanna E. Burdette, Cedric J. Pearce, Nicholas H. Oberliels, Yolonda L. Colson, Kebin Liu, and Mark W. Grinstaff, Radiolabeled Biodistribution of Expansile Nanoparticles: Intraperitoneal Administration Results in Tumor Specific Accumulation, *Journal of ACS Nano*, 2023, ISSN 1936 0851

Deva D. Chan, Maleeha Mashiattulla, Jun Li, Ryan D. Ross, Meghana Pendyala, Amit Patwa, Mark W. Grinstaff, Anna Plaas, D. Rick Sumner, Contrast-Enhanced Micro-Computed Tomography of Compartment and Time-Dependent Changes in Femoral Cartilage and Subchondral Plate in a Murine Model of Osteoarthritis, *Journal of The Anatomical Record*, 2023, ISSN 1932-8486

STUDENTS PUBLICATIONS

Rutvi Vaja, Single-cell RNA Sequencing of Glioblastoma Cancer Stem Cell Lines Reveals that Chromosomal Instability Leads to Disturbed Extra-cellular Matrix Organization, *Advanced Techniques in Biology & Medicine*, 2022, ISSN: 2379-1764

Rutvi Vaja, In Silico Analysis of Transcriptomic Profiling and Affected Biological Pathways in Multiple Sclerosis, Journal of Immunogenetics: Open Access, 2022, Immunogenetics: Open Access- Open Access Journals(longdom.org)

Rutvi Vaja, Single Cell RNA Analysis of Glioma Neural Stem Cells Shows Disturbed Amino Acids Metabolism and Axonal Growth Cone Dynamics in Glioblastoma Multiforme, Global Journal of Medical Students, 2022, ISSN 2583 5408

BOOKS CHAPTERS PUBLISHED

(Name of the teacher, title of the book/chapters published, title of the paper, title of the proceedings, ISSN nos. Name of the publisher)

Krutika Abhyankar, Monisha Kottayi, Biotic Elicitors: Production, Purification, and Characterization, Flagellin, 2022, 978-1-0716-2601-6, Springer, Humana New York, NY.

Sandeep Patil, Advances in Metal Oxides and Their Composites for Emerging Applications, Metal Oxide Based Composites as Photocatalysts, 2022, 978-0-323-85705-5, Elsevier.

Sandeep Patil, Advances in Metal Oxides and Their Composites for Emerging Applications, Metal Oxide Based Composites as Photocatalysts, 2022, 978-0-323-85705-5, Elsevier.

Monisha Kottayi, Krutika Abhyankar, Biotic Elicitors: Production, Purification, and Characterization, Victorin, 2022, 978-1-0716-2601-6, Springer, Humana New York, NY

Monisha Kottayi, Krutika Abhyankar, Biotic Elicitors: Production, Purification, and Characterization, Coronatine, 2022, 978-1-0716-2601-6, Springer, Humana New York, NY

Monisha Kottayi, Krutika Abhyankar, Biotic Elicitors: Production, Purification, and Characterization, Ergosterol, 2022, 978-1-0716-2601-6, Springer, Humana New York, NY

Darshee Baxi, Handbook of Animal Models and its Uses in Cancer Research, Zebrafish: A Versatile Animal Model to Study Tumorigenesis Process and Effective Preclinical Drug Screening for Human Cancer Research, 2023, 978-981-19-3823-8, Springer, Singapore.

Krutika Abhyankar, Komal Solanki, Disha Patel, Nanotechnology and In Silico Tools, in silico tools to comprehend legumes-derived bioactive peptides in diabetes and hypertension therapeutics, 2023, 978-0-443-15457-7, Elsevier.

Linta Paulson, Parth Pandya, Bhumi Thakkar, Pankaj Sharma and Pragna Parikh, Animal Agriculture: Modern Practices and Issues, Molecular Characterization of Lepidoptera and Hemiptera Pest of Vadodara, 2023, 978-93-91355-67-8, Excel Publishers

Nishi Pandya, Hemali Vyas, Jigisha Parmar, Bhumi Thakkar, Parth Pandya and Pragna Parikh, Animal Agriculture: Modern Practices and Issues, Nesting Pattern and Soil Nutrient Enrichment by Dung Beetles (Coleoptera: Scarabaeidae): An Ecological Approach, 2023, 978-93-91355-67-8, Excel Publishers

Ankita A. Doshi, Vivek Mishra, Breast Cancer understanding associated factors, assessing risk & exploring therapeutics, Crosstalk between ubiquitin ligase and breast carcinogenesis, 2022, 978-81-952885-6-4, Scaffold Press LLP

■ CONFERENCES ORGANISED

NATIONAL CONFERENCE

- National Conference on Climate, Community and Conservation was organised on 26th and 27th September 2022

■ CONFERENCE PARTICIPATION

- **Dr. Monisha Kottayi** attended XXXII Annual Conference of Indian Association for Angiosperm Taxonomy and National Symposium on The Contribution of Angiosperm Diversity to Human Wellbeing and The Risks Associated with Its Decline.

- **Denni Mammen** attended XXXII Annual Conference of Indian Association for Angiosperm Taxonomy and National Symposium on The Contribution of Angiosperm Diversity to Human Wellbeing and The Risks Associated with Its Decline.
- **Dr. Brijesh Shah** attended 9th Interdisciplinary Symposium on Materials Chemistry (ISMC-2022), to be held in Bhabha Atomic Research Centre (BARC), Mumbai
- **Dr. Elizabeth Robin** attended XXXII Annual Conference of Indian Association for Angiosperm Taxonomy and National Symposium on The Contribution of Angiosperm Diversity to Human Wellbeing and The Risks Associated with Its Decline.
- **Dr. Sandeep R Patil** attended National Conference on Chemistry and Environment NCCE2023, March 17-18, 2023, at Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar-388120, Gujarat, India.
- **Dr. Shehnaz H Solanki** attended National Conference on Chemistry and Environment NCCE2023, March 17-18, 2023, at Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar-388120, Gujarat, India.
- **Dr. Jeetendra Salunke** attended National Conference on Chemistry and Environment NCCE2023, March 17-18, 2023, at Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar-388120, Gujarat, India.
- **Dr. Sumit Bhawal** attended international conference on Biomaterials and Health Care 2023 at Rishikesh, India organized by "Sindurda Vivekananda Inspiration Center" in association with Sir Ganga Ram Hospital, New Delhi; Institute of Physics, Academia Sinica, Taiwan; Indian Institute of Information Technology, Design and Manufacturing, Jabalpur IIITDM; TIGP (Taiwan International Graduate Program), Academia Sinica, Taiwan, and others.
- **Dr. Brijesh Shah** attended International Conference, Exhibition on Sustainable Chemistry & Engineering 2023

- **Dr. Jeetendra Salunke** attended International Conference, Exhibition on Sustainable Chemistry & Engineering 2023

PROGRAMS, EVENTS, WORKSHOPS, SEMINARS & ACTIVITIES CONDUCTED FOR STUDENTS

July 22 to Oct 22, Teachers Day Celebration 2022, Independence Day 2022, Research in Progress Presentation on "Gut feeling vs Gut filling: An appraisal to the present understanding of seaweed polysaccharides" by Dr. Tejal Gajaria, Research in Progress Presentation on "Traditional Medicine Contributing towards Healthier Life" by Dr. Ankita Doshi, Research in Progress Presentation on "Bioactive properties of germinated *Lablab purpureus* (L.) Sweet as a therapeutic for hypertension" by Dr. Krutika Abhayankar, Research in Progress Presentation on "Harmonizing Chemistry for a Cleaner Tomorrow: Zirconium and Titanium based Metal Phosphonates as a Green Catalysts and Ion Exchangers" By Dr. Brijesh Shah, Research in Progress Presentation on "Flavonoids: The 'Secret Superstars' in the Plant Kingdom" by Dr. Denni Mammen, Research in Progress Presentation on "Chitosan: a biological and eco-friendly solution for boosting plant immunity" by Dr. Manisha Kottayi, GSBTM - Biotechnopreneurship TM awareness program, Expert Lecture on "Basics of ART (Assisted Reproductive Techniques)", Nutri talk with Dr. Sirimavo Nair celebrating National Nutrition Week, Vigyan Bharti Foundation Day and National Ayurveda Day.

Nov 22 to Feb 23 Republic Day 2023, Hands-on Workshop on Molecular and Medical Diagnostics, Expert talk on Environmental pollutants and their effects on health and disease by Prof. Matt Vijayan, University of Calgary, Canada, Chemistry Olympiad Exposure Camp, Organized by Navrachana University in collaboration with Homi Bhabha Centre for Science Education [HBCSE]-TIFR, Mumbai.

Mar 23 to June 23 Expert Lecture on One Health'- a new approach to tackle global health challenges: Case studies from Tatu lab by Prof. Utpal Tatu.

FDP/TRAINING PROGRAMS CONDUCTED BY INSTITUTION FOR TEACHERS AND STAFF

- **Dr. Monisha Kottayi** attended a Faculty Development Program on Gender Sensitization on 2nd and 13th December 2022 organized by Navrachana University
- **Dr. Sneha Joseph** attended Faculty Development Programme to Develop Skill Panorama on Research Methodology Based Data Analysis Using R from 21st August to 27th August 2023 organised by Bhau Rao-Devras Shodh Peeth, University of Lucknow & Science Tech Institute, Lucknow
- **Ms. Harshita Johari** attended Faculty Induction Programme on 13th, 27th August and 10th September 2022 organized by Navrachana University
- **Ms. Krishna G. Panchal** attended One-week Online Faculty Development Programme On Advanced Research Methodology from 21st March to 27th March 2023 organized by Science Tech Institute, Lucknow
- **Ms. Khushali Upadhyay** attended 3rd One Week Online Faculty Development Program on Advanced Research Methodology on Data Analytics from 22nd June to 28th June 2023 from Science Tech Institute, Lucknow
- **Ms. Khushali Upadhyay** attended Molecular Docking and Biological Software Packages for Data Analysis from 15th to 17th June 2023 Centre for Molecular and Nanomedical Sciences, International University, Sathyabama Institute of Science and Technology (Deemed to be University)
- **Ms. Forum Patel** attended Bioinformatics for Academicians from 8th to 10th June Institute of Science, Nirma University, Ahmedabad
- **Dr. Ankita Doshi** attended National Conference on climate community and Conservation on 26-27 September 2022 organised by Navrachana University, Vadodara
- **Dr. Ankita Doshi** attended Celebrating Proteins on the Birth Centenary of Dr. G. N. Ramachandran on 3-4 March 2023 at MSU
- **Dr. Ankita Doshi** attended National Intellectual Property Awareness Mission on 26th July 2022 from Intellectual Property Office, India
- **Dr. Ankita Doshi** attended Hands-on Workshop on Molecular and Medical Diagnostics from 20-22, December 2022 at Navrachana University, Vadodara and Bosem Technology USA and CoSara Diagnostic Pvt. Ltd., Vadodara
- **Dr. Ankita Doshi** attended Bio-EAP on 6-7 September 2022 Navrachana University, Vadodara
- **Dr. Lipi Buch** attended National Conference on Climate Community and Conservation at Navrachana University, Vadodara on 26-27 September 2022 organised by Navrachana University, Vadodara
- **Dr. Lipi Buch** attended Faculty Development Programme on Biotechnopreneurship TM from 12 - 23 December 2022 organised by Entrepreneurship Development Institute of India, Ahmedabad
- **Dr. Lipi Buch** attended Hands-on Workshop on Molecular and Medical Diagnostics from 20 December to 22 December 2022 organised by Navrachana University, Vadodara and Bosem Technology USA and CoSara Diagnostic Pvt. Ltd., Vadodara

PhD Program

Navrachana University offers PhD Degree through its Schools namely School of Science, School of Business and Law, School of Engineering and Technology, School of Liberal Studies and Education. The admission intake is twice in a year viz, Autumn and Spring intake.

For the PhD degree, the University encourages research with focus on 'Interdisciplinary Research' for the 'creation and addition of knowledge' and to address complex scientific and socially relevant problems via integration of knowledge from multiple and disparate fields.

The areas of specialization are as follows:

- **School of Liberal Studies and Education:** Education, Language Education, ICT in Education, Education Technology, Innovations in Education.
- **School of Science:** Phytochemistry, Taxonomy of Medicinal Plants, Plant Tissue Culture, Breeding, Genetics, Ecology, Endocrinology, Cancer and Disease Biology, Toxicology, Neurobiology, Physical Chemistry, Medicinal and Green Chemistry, Synthetic Organic Chemistry and Material Science.
- **School of Business and Law:** Business Economics, Public Finance, Information Technology Management, Marketing Management, Supply Chain Management, Operations Management.
- **School of Engineering and Technology:** Core Engineering (Civil, Mechanical and Electrical): Cryogenics – Behavior of Materials at very low temperature, Fluid & Thermal Sciences, Biomaterials/ Composite Materials, Signal Processing, Structural Engineering, Applied Physics. Computer Science and Engineering: Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Data Science, IOT, High Performance Computing.

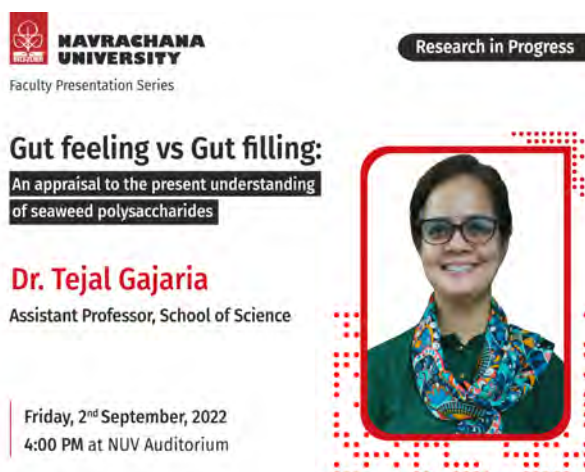
The admission of candidates is through stringent entrance procedures initiating from entrance test consisting of General paper and Subject specific paper followed by interview. Students after enrolment are engaged in 16 credit course work covering courses on Research Methodology, Research and Publication Ethics, IT applications and Domain specific courses. Every semester scholar will present his work progress against Doctoral Committee consisting of five members where two are external members. After completion of research work, the thesis is uploaded on Shodhganga – A Reservoir of Indian Theses.

The University considers giving a stipend of 20000/- INR to full-time research scholars on a case-to-case basis with sound teaching ability after scrutiny by related committee. Currently, five scholars are benefiting from this.

Till date 19 scholars have completed PhD. There are currently 19 and 63 registered scholars for full-time and part-time respectively. There are 38 registered PhD guides in university.

The NUV Research Committee and PhD Programme organized the "Research in Progress Faculty Presentation Series," a forum where faculty members discuss and present their ongoing research endeavours. During the event, several esteemed faculty members showcased their projects, providing insights into various areas of study.

Dr. Tejal Gajaria delved into the intriguing realm of seaweed polysaccharides with her project titled "Gut feeling vs Gut filling: An appraisal to the present understanding of seaweed polysaccharides."



The poster features the Navrachana University logo at the top left, with the text "NAVVRACHANA UNIVERSITY" and "Faculty Presentation Series" below it. A black banner at the top right reads "Research in Progress". The main title "Gut feeling vs Gut filling:" is in a large, bold font, followed by the subtitle "An appraisal to the present understanding of seaweed polysaccharides" in a smaller font. Below this is a portrait of Dr. Tejal Gajaria, an Assistant Professor at the School of Science, wearing glasses and a colorful patterned scarf. At the bottom, the date and time are listed: "Friday, 2nd September, 2022" and "4:00 PM at NUV Auditorium". The entire poster is framed with a decorative border of red dots.

Dr. Vaibhavi Gawarikar and Dr. Lipi Buch explored “The Science of Thinking Critically,” offering valuable perspectives on cognitive processes.

NAVACHANA UNIVERSITY
Faculty Presentation Series

Research in Progress

The Science of Thinking Critically

Speakers



Dr. Vaibhavi Gawarikar
Assistant Professor,
School of Liberal Studies & Education



Dr. Lipi Buch
Assistant Professor,
School of Science

Thursday, 22nd September, 2022 | 4:00 PM at NUV Auditorium

Dr. Ankita Doshi and Dr. Parth Pandya shed light on the role of traditional medicine in fostering a healthier lifestyle through their project, “Traditional Medicine Contributing Toward Healthier Life.”

NAVACHANA UNIVERSITY
Faculty Presentation Series

Research in Progress

Traditional Medicine Contributing Towards Healthier Life

Speakers



Dr. Ankita Doshi
Assistant Professor,
School of Science



Dr. Parth Pandya
Assistant Professor,
School of Science

Friday, 7th October, 2022 | 4:00 PM at NUV Auditorium

Dr. Anupama Dave and Dr. Priyanka Behrani examined the awareness levels and hesitance surrounding the adoption of menstrual cups among employed women in Gujarat with their project, “Unveiling the awareness level and Hesitance for Adoption of Menstrual Cups among Employed Women in the State of Gujarat.”

NAVACHANA UNIVERSITY
Faculty Presentation Series

Research in Progress

Unveiling the awareness level and Hesitance for Adoption of Menstrual Cups among Employed Women in the State of Gujarat

Speakers



Dr. Anupama Dave
Associate Professor,
School of Business and Law



Dr. Priyanka Behrani
Associate Professor,
School of Business and Law

Thursday, 4th May, 2023 | 4:00 pm | NUV Auditorium, 5th floor, Block A

Dr. Payal Desai presented her research on “Evaluation of critical buckling load of a beam using a generalized novel computer methodology,” contributing to advancements in structural engineering analysis. Overall, the presentations offered a rich tapestry of research endeavours, highlighting the diverse expertise and innovative pursuits within the academic community.

INTERWOVEN

Interwoven, Navrachana University’s peer reviewed interdisciplinary journal, weaves together a wide range of ideas to offer a layered mosaic of scholarly work. It is a double-blind peer reviewed interdisciplinary journal, published online biannually. The journal covers inherently general topics as well as specialized topics written for readers from wide backgrounds. The effort is to build a strong interdisciplinary academic and research culture in society.

Academic articles in the category of research articles, review articles, perspectives, case studies, critiques, book reviews and articles related to socially relevant projects are invited from faculty, scientists, postdoctoral fellows, students. Every article submitted to Interwoven undergoes check for Plagiarism

and is reviewed by three referees. The domain specific reviews are carried out by academics from reputed organizations. There is a strong criterion established for an article to be considered for revision, acceptance, or rejection.

Interwoven has been granted an e-ISSN number (2581-9275) and is indexed now in Open AIRE. All articles published in Interwoven will now have unique digital object identifier number (DOI). Also, Volumes 2,3 and 4 of Interwoven have been granted Copyrights by Government of India.

In the year 2022-23, 1 Case Study, 1 Book Review, 10 Review Articles and 5 Research Articles (total 17 articles) are published in Interwoven, after peer review process.

NUV SEED GRANTS

Navrachana University encourages young faculty members in their early career stage (3-5 years) to help them build sustainable research career. The University had invited research proposals from the faculty, which were reviewed by external as well as internal experts. The University has sanctioned Seed Grants to the following 10 research proposals submitted by our faculty members during the financial year (2022-23).

- **Dr. Krutika Abhyankar** received a grant of 1,20,000/- for exploring the bioactive properties of germinated *Lablab purpureus* (L.) Sweet as a therapeutic approach for hypertension from October 14, 2022, to April 13, 2024.
- **Dr. Monisha Kottayi** received a grant of 1,84,000/- . To conduct studies on the biological effects of chitosan on defense gene expression in *Triticum aestivum* L. from October 14, 2022, to October 13, 2024.
- **Dr. Brijesh Shah** received funding of 2,00,000/- for delving into the exploration of Metal Phosphonates as Metal Organic Framework (MOF) for catalysis and

ion exchange from October 14, 2022, to October 13, 2024.

- **Dr. Denni Mamen and Dr. Darshee Baxi** received a grant of 1,80,000/-. For investigating the structure-activity relationship of various flavonoid classes from October 14, 2022, to October 13, 2024.
- **Dr. Anupama Dave and Dr. Priyanka Behrani** received funding of 1,05,000/-. To study the awareness levels and hesitance for the adoption of menstrual cups among employed women in Gujarat from October 14, 2022, to October 13, 2024.
- **Mr. Ravi Sevak** received a grant of 1,28,000/-. To research microwave processing of polymer matrix composites for structural applications from October 14, 2022, to October 13, 2024.
- **Dr. Payal Desai** received funding of 3,00,000/-. To evaluate the critical buckling load of a beam using a novel computer methodology from October 14, 2022, to October 13, 2025.
- **Dr. Tejal K. Gajaria** received funding of 2,00,000/-. To study the role of heterostructural ulvanobiuronic acids in modulating oxidative stress-mediated damage in essential probiotic strains from April 1, 2022, to March 31, 2024.
- **Dr. Vaibhavi Gawarikar and Dr. Lipi Buch** received a grant of 1,09,500/-. To investigate the impact of critical thinking on neural behavior from April 1, 2022, to September 30, 2023.
- **Dr. Ankita Doshi and Dr. Parth Pandya** received a grant of 1,00,000/-. To identify novel Quorum Sensing Inhibitors from *Butea monosperma* leaf and gum extracts against *Serratia marcescens* from March 22, 2022, to September 30, 2023

CENTERS

Navrachana University currently has five independent centers: The Center for Professional Education; the Center for Environment, Research,

and Innovation; the Center for Heritage Research; the Center for Public Health; and the Center for Education Innovation and Research.

■ **Center for Professional Studies:**

The Center for Professional Education at Navrachana University provides high-quality, industry-relevant courses that empower individuals to enhance their professional skills and stay competitive in today's dynamic job market. Our diverse range of courses covers areas such as: Currently the center is offering a 2 Year Full Time Executive MBA Program for working professionals and several workshops and training programs in the field of Finance, Marketing, HR and Leadership.

These courses are designed to meet the evolving needs of professionals across various sectors, ensuring a comprehensive and up-to-date curriculum.

The center strives for impactful collaborations and partnerships to enhance the quality and relevance of the programs. Attempts are made for strong ties with industry leaders, professional associations, and leading companies and these partnerships contribute to the development of curriculum, provision of guest lectures, and opportunities for internships, ensuring that our courses align with industry standards. Currently, the collaborations are with CII, BMA, Yi, EXIM, FGI, and other industry associations to name a few.

As we move forward, NUV SBL remains committed to innovation and excellence in student and professional development. We are exploring new partnerships, expanding our course offerings, and leveraging emerging technologies to enhance the learning experience for our students and working professionals. Some of the upcoming programs are Post Graduate Diploma in Export Import Management, Certificate Course in Transactional Analysis and Certificate Course in IPR.

■ **Center for Environmental Research and Innovations**

The Navrachana University Center for Environment, Research, and Innovation (NUCERI) functions as a distinctive hub fostering interdisciplinary exchanges among diverse stakeholders on the vital topic of environmental concerns. Our primary objective is to pioneer innovative and sustainable solutions through a spectrum of activities, encompassing research meetings, discussion forums, workshops, national and international seminars, conferences, round tables, panel discussions, and training programs. Additionally, we prioritize forging meaningful national and international partnerships to effectively tackle environmental, research, and innovation challenges.

NUCERI has curated a diverse array of events, exemplified by the National Conference on Climate, Community, and Conservation, and Environment Day celebration online quiz.

■ **Centre for Heritage Research**

The School of Environmental Design and Architecture (SEDA) at Navrachana University hosted the International Seminar on Vernacular Settlements (ISVS 11) from 30th September to 2nd October 2022. The Centre for Heritage Research (CHR) conducted special heritage walking tours for ISVS 11 participants and guests.

The first walking tour, titled "Night Life in Old City," was curated by Prof. Anjal Patel. This tour started from Sursagar Lake and ended at the Ambamata Temple, covering nine historically significant structures in the old city. A special brochure was designed to provide participants with relevant information about the history and significance of the historic area.

The second walking tour, "The Works of Robert Chisholm in Vadodara," was curated by Prof. Snigdha

Srivastava. This tour focused on buildings designed by architect Robert Chisholm during the Gaekwad Period in Vadodara, including the Faculty of Arts, the Baroda Museum and Picture Gallery in Sayaji Baug, and the Nyay Mandir.

The third walking tour, "Laurie Baker in Vadodara," was curated by Prof. Pragya Shankar. This tour featured structures built by architect Laurie Baker, such as the Jyoti Industries Administrative Block, the Centre for People with Disabilities, and the Primary Healthcare Center.

■ National Conference on Climate, Community, and Conservation

The conference was held at Navrachana University on 26th and 27th September 2022, in which 160 registered participants (Students, Clinicians, and Faculties) and 10 speakers took part in the proceedings of the conference. The chief guest Dr. I. M. Bahuguna (Deputy Director, Space Applications Centre, ISRO Ahmedabad) gave the inaugural address to the gathering and pointed out the need of research collaborations in India. Followed by him, Guest of Honor Dr. Madhvi Joshi (Joint Director at Gujarat Biotechnology Research Centre, DST, GoG) spoke on the vitality of various proposed themes in the conference. The keynote address was given by Prof. Devesh K Sinha (Director, Delhi School of Cli-

mate Change & Sustainability, University of Delhi), where he focused on the importance of abrupt and gradual climate changes in the past and the lessons to learn for the future" (Research Institute for Environmental and Occupational Health, Université de Rennes).

The conference topics were mainly focusing on the following themes- (Climate change and mitigation measures, Community actions for a sustainable environment, Conservation of Nature and Natural Resources and Advances in Conservation Science) where different speakers enlighten the participants on the pioneer research going in this area.

To ignite the young minds poster presentations and oral presentations were conducted during the conference. Oral presentations were also conducted for the finalists of Prof. M. I. Patel Award which is conferred to Young Wildlife & Conservation Biologists of India. Certain papers on wildlife, conservation biology and its allied areas were also selected to be published in Prithivya, which is a Tri-annual official newsletter of the WCB Research foundation.

The valedictory session was graced by Dr. Anshuman Sharma (IFS, Vadodara), where he stressed on the scenario of climate and conservation research in India.

INAUGURAL FUNCTION

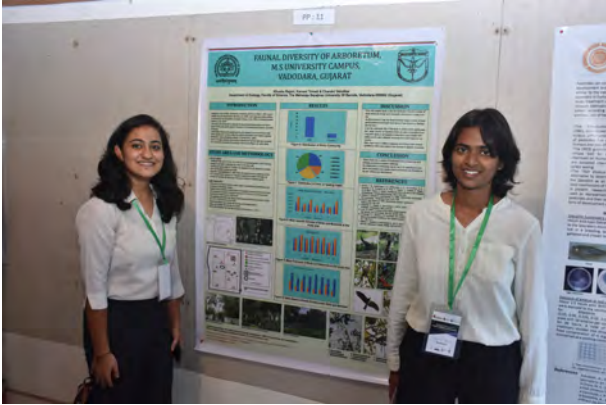




Conference Sessions by Invited Speakers:



Oral and Poster Presentations:



Valedictory Session:



Highlights of the Conference:

- 10 speakers and 160 participants took part in the conference proceedings.
- Speakers from different national bodies and institutions spoke on advances in their respective research.

- Sapling plantation by dignitaries are a mark to conserve nature.
- Presentations for Dr. M I Patel National Award, which is a prestigious award in the field of climate change and conservation, were held during the conference.

Environment Day celebration online quiz

The Environment Day Online Quiz Celebration was organized on 5th June 2023 to commemorate World Environment Day and promote awareness about environmental conservation among participants. The event aimed to engage individuals in a fun and educational activity while emphasizing the importance of protecting our planet. The online platform Microsoft Forms was used for conducting the quiz with 45 participants.

The quiz consisted of identifying the images of floral and faunal diversity. Participants were actively involved in the quiz, showcasing their knowledge, and understanding of biodiversity – species identification.

The quiz was designed to not only test participants' species identification knowledge but also to educate them about biodiversity and environmental conservation. Detailed explanations including the salient characteristic features were provided for

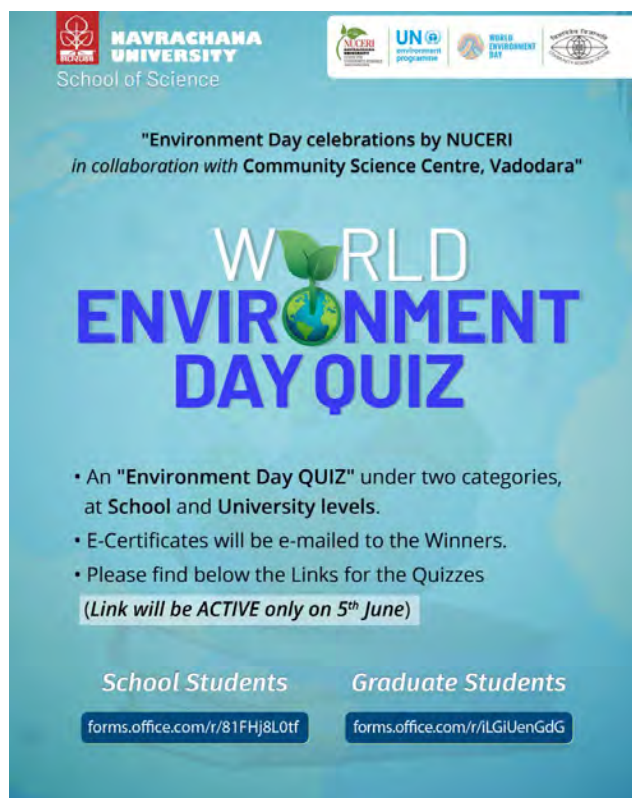
each answer, enhancing participants' learning experience.

E-Certificates were awarded to the winners, incentivizing active participation, and rewarding participants for their efforts.

The Environment Day Online Quiz Celebration successfully achieved its objectives of raising aware-

ness about biodiversity and conservation. Participants gained valuable knowledge and insights, contributing to a collective effort towards a greener and more sustainable future. The event served as a reminder of the importance of individual and collective actions in addressing environmental studies, underscoring the need for continued efforts to protect and preserve our planet for future generations. Overall, the online quiz celebration was a resounding

success, reflecting the commitment of organizers and participants alike towards environmental conservation and sustainability.



Center for Education, Innovation, and Research (CEIR)

The Center for Education Innovation and Research (CEIR) at Navrachana University, Vadodara, stands out as a distinctive interdisciplinary platform. It is dedicated to fostering innovation and conducting research in education across all educational stages, from pre-primary to doctoral levels. Its

multifaceted approach encompasses creating a dynamic space for intellectual discourse, research, innovation, and practical application in the field of education. By serving as a collaborative platform, CEIR facilitates dialogue among diverse stakeholders in education, addressing various educational challenges with the aim of generating resolutions, pioneering new solutions, and cultivating fresh perspectives. Furthermore, it actively documents

educational concepts and practices spanning different disciplines and educational tiers while also spearheading efforts in policy advocacy. CEIR acts as an interdisciplinary conduit for sharing educational ideas and practices, fostering dissemination across various disciplines and educational levels.

Center for Public Health

The three-day workshop was jointly organized by Navrachana University, CoSara diagnostics, Vadodara and Bosem Technologies, USA. The inauguration was addressed by Mentor, School of Science, Navrachana University.

The session titled “New era of Biotechnology” was delivered by Dr. Rebecca Garcia, Associate Professor, Bob Jones University; CSO, Bosem Technologies, USA. She delivered very interesting lecture on basics of PCR, types of PCR, Application of PCR in medical diagnosis. She emphasized Multiplex PCR is a molecular laboratory test used for simultaneous amplification that utilizes different primers in a single tube. She discussed the application in diagnosis of several infectious diseases caused by bacteria, fungi, parasites, and viruses. The multiplex PCR is fast and timesaving because it can detect multiple pathogens at the same time and followed by QnA sessions.

CoSara has the exclusive manufacturing rights in India for the complete menu of Co-Diagnostics infectious disease molecular diagnostics kits, engineered using Co-Diagnostics’ proprietary design process and patented CoPrimer™ technology. CoSara was incorporated in 2017, and its 2,500 sq ft Good Manufacturing Practices (GMP) facility is one of the first of its kind in India for manufacturing in vitro diagnostics designated for clinical use. Dr. Swapnali Kulkarni, Manager, CoSara Diagnostics, Vadodara delivered the talk on overview of CoSara products manufactured by CoSara and

details about the kits that were being used for the HPV HR test and HBV viral load.

The second day was hands-on Multiplex PCR training. Ms. Julie Tahilramani and Mr. Jay Panchal and research scholars, Navrachana University wonderfully executed the training. The day was end with the discussion on result interpretation and trouble shooting.

The workshop was successfully completed with the session titled “Power of Analysis” by Dr. Rebecca Garcia. She intrigued students with different case studies along with live projecting questionnaire which led to a lot of interaction and QnA session.





LIBRARY

Navrachana University (NUV) believes that a good library is pivotal to the growth of an educational institution and hence committed to developing a well-equipped and enriched central Library which caters to various information needs of the students and faculty members to pursue academic work and accomplish research goals. The library has a vast collection of teaching and learning resources and provides access to both physical as well as electronic resources. All the library collection can be accessed through online-public access catalogue and NUV Library Web Portal.

Resources

Particulars	No. of Teaching & learning resources added during the year 2022-23	Teaching & learning resources as on 31-05-2023
Books	453	21011
Periodicals (National & International)	77	851
Theses / Dissertations / Projects	134	867
CDs	-	1605
Indian Standards	-	7920
Bound Journals	-	3796





E-Resources

NUV Library provides enormous access eBooks, e-Journals and learning e-resources through various databases.

EBSCO Management Collection - This database contains full text article from 1000+ E-resources (Full Text Academic Journals, Magazines, Trade Publications, Books / Monographs, Company Profiles etc.

Manupatra - Law Database (Manupatra Module-4) : Manupatra is law of publishers and provider of Legal, Taxation, Corporate, and business Policy content in India.

EPWRF India Time Series (EPWRF ITS) online database: EPWRF India Time Series is a unique online database with its comprehensive coverage of Indian economy for a fairly long time period and it comprises over a lakh variable capsuled in 27 modules. The database tries to provide in continuous time series from 1950 depending on the availability.

Lexis Advances India: This database contains more than 1000+ international journals, 400+ Indian Commentaries, Cases & Legislation from nine jurisdictions, All England Law Reports, Supreme Court of India judgements, Central Legislation and more than 40000 other sources.

JSTOR Arts and Science Collection (152 Journals)

JSTOR Sustainability Collection 107 Journals

JTOR Global Sustainability Collection: 9378 Journals/Serial Monographs

South Asia Archive is a fully searchable digital archive encompassing millions of pages of valuable research and teaching materials, providing online access to 20th Century. The Archive contains interdisciplinary contents - books, journals, reports, film ephemera, census reports & more.

NavGyan: An Open knowledge Gateway has been developed to provide access to useful Open educational e-resources (OER) i.e., eBooks, e-Journals, Databases/Archives/Repositories, Digital and Virtual Libraries, Online Learning Tools & Open Courseware, Open Access Patent & Standard Databases, E-References (Dictionary/Encyclopaedias), Electronic Thesis and Dissertations (ETD), E-Newspapers and Competitive exam paper with solution.

NUV Library Thematic Display NUV Library has designed and developed a portal to display open access books and other information sources on remarkable days i.e. International Yoga Day, National Youth Day. International Women's Day etc.

Institutional Digital Repository (IDR) has been developed to make scholarly publications of NUV globally accessible and contributed NUV-IDR to **National Digital Library of India**, a project of Ministry of Education (MoE) managed by IIT Kharagpur. Currently the repository contains more than 500+ items consisting of faculty publications, Institutional scholarly publications, NUV in media, Theses, Dissertations and Students projects.

NUV Library provides **Document Delivery Service (DDS), Inter-Library Loan (ILL) services and Academic integrity service (Anti-Plagiarism Software)** through membership in the National Library Networks i.e., **DELNET, INFLIBNET (ShodhShuddhi project)**. Moreover, NUV Library also facilitates access to learning resources of Smt. Hansa Mehta Library - The Maharaja Sayajirao University of Baroda, Vadodara through and library, CEPT University through institutional membership.

The library is fully automated by using **Library management software SOUL 3.0** and advanced automated by **RFID (Radio Frequency Identification) System & RFID Kiosk self-check in & check out.**

Indian Research Information Network System

(NUV-IRINS) showcases the research productivity to the scholarly community. IRINS is a web-based Research Information Management (RIM) service developed by the INFLIBNET Centre with the support of the Ministry of Education. The portal facilitates the academic, R&D organizations and faculty members, scientists to collect, curate and showcase the scholarly communication activities and provide an opportunity to create the scholarly network. It has integrated with academic identity such as ORCID ID, Scopus ID Researcher ID for ingesting the scholarly publication from various sources and Google Scholar ID to note google scholar metrics like h-index i-10 index and citations. The IRINS supports the organization to collect research-related metadata and generate various reports on faculty, department, publication metrics. IRINS is fetching h-Index and citations from different sources. e.g., Scopus, Crossref, open and commercial citation databases, scholarly publishers.

OCS: Online Copy Catalogue system: OCS 2.0 Portal is designed and developed by the INFLIBNET Centre. It is mainly used to promote cooperative cataloguing and avoid duplication of efforts. It is one of the initiatives which helps Institutions to build-up their own catalogue using INFLIBNET's Union Catalogue (IndCat).

NUV has signed MoU with INFLIBNET for **Shodhganga** Project on 10th November 2016. Till date we have uploaded 23 NUV PhD theses on Shodhganga

Library Services

- Circulation
- RFID Kiosk self-check in & check out.
- Open access library collection
- Reading Facilities
- PhD Reading Corner

- E-resources access section
- Orientation Program
- Database Search Service
- Inter Library Loan
- Document Delivery
- OPAC (Online Public Access Catalogue)
- Reference and Information
- Current Awareness Services
- Selective Disseminate Services
- Mail Alert Service
- Thematic book display
- Information Literacy Program
- Table of content service
- Wi-Fi & CCTV

Library Activities & Event

- Besides, the regular support to the patrons in their academic and research work, NUV Library had also organized several events and activities.
- **Book exhibition and book review 21st March - 22nd March 2023** Organize a Book exhibition is to provide an open platform to NUV faculty members, students, and staff members to know the latest published books in our respective subject areas/ disciplines as well as various books in General reading (other than academics).





Prof. Pratyush Shankar
Provost & Dean SEDA

Book: Brand Luther,
Author: Andrew Pettegree



Dr. P V Xavier
Associate Dean, SLSE

Book: Happiness and peace:
Compilation of lectures
Author: Swami Akhileshwar Ananda



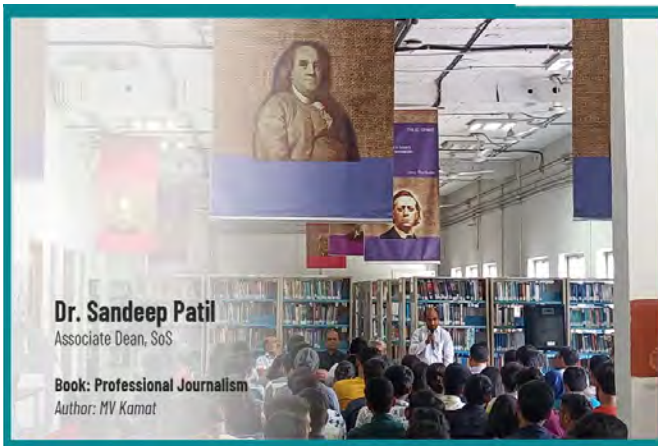
Dr. Hitesh Bhatia
Associate Dean, SBL

Book: You can win
Author: Shiv Khera



Dr. Rushit Dubal
Assistant Professor, SBL

Book: Sapiens -
A brief history of human kind
Author: Yuval Noah Harari



Dr. Sandeep Patil
Associate Dean, SoS

Book: Professional Journalism
Author: MV Kamat



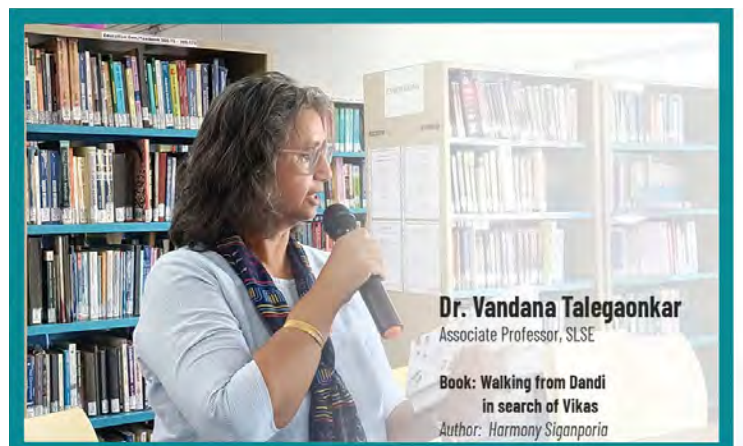
Dr. Nikita Mehta
Assistant Professor, SBL

Arthur Hailey and his authored Books



Dr. Javed Khatri
Assistant Professor, SLSE

Book: Us and them
Author: David Berreby



Dr. Vandana Talegaonkar
Associate Professor, SLSE

Book: Walking from Dandi
in search of Vikas
Author: Harmony Siganporia

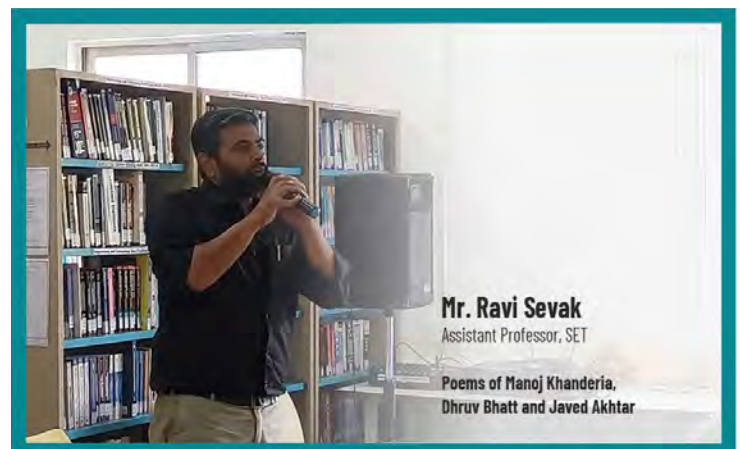


- **Celebrated National Library Week 16th November to 18th November 2022:** Organized various events i.e. Book Reviews by students and faculty of NUV, workshop on writing and talk by authors and scholars. The weeklong celebration organized to provide a platform to engage in discussion, deliberation and dialogue with readers, writers, scholars, and thinkers. Also launched the Reader's and Writer's (RAW) Club.
- **NUV Library Thematic Display** NUV Library has designed and developed a portal to display open access books and other information sources on remarkable days.

Internal Quality Assurance Cell:

Internal Quality Assurance Cell (IQAC) at Navrachana University has been instrumental in recommending standard operating procedures aligned with accreditation and ranking systems and documentation.

In the past year, we have been actively engaged in various activities to support our mission. These activities include data collection, compilation, and analysis for National and State ranking frameworks, academic and administrative audits, the formation of new committees, awareness programs, departmental evaluative reports, and extensive meetings with key university personnel. We have also made strides in green initiatives, energy audits, solar



panel installation, and the implementation of Choice-based Credit System (CBCS) and electives in our programs.

One of our primary achievements has been the successful creation of awareness about the importance of documentation among our faculty members. The IQAC has been actively working towards overall quality enhancement across multiple areas, including curriculum development, teaching-learning processes, evaluation methods, infrastructure resources, student support systems, and governance structures. The IQAC has recently released two publications: Annual Report and a IQAC University Newsletter.

The Quality Enhancement, Assurance and Sustainment initiatives undertaken by the Internal Quality Assurance Cell have been extensive and meticulously planned to ensure good grade of the University. In preparation for the first cycle of accreditation

by the National Assessment and Accreditation Council (NAAC), specific committees were formed, documentation plans were devised, and regular assessments were conducted. Meetings with criterion and subcommittees were held to streamline processes, while training and support services were bolstered to enhance overall effectiveness.

Submission of the Institutional Information for Quality Assessment (IIQA) was completed on time, followed by the preparation of the Self Study Report (SSR) in alignment with NAAC SOPs.

The implementation of a Strategic Plan for 2022-2027 further solidified the institution's direction towards excellence. Additionally, IQAC ensured active participation in national ranking frameworks such as NIRF and GSIRF, resulting in notable ratings across various disciplines. Efforts were made to upgrade infrastructure and facilities, including refurbishments of classrooms, auditoriums, and laboratories.

The implementation of Student ERP-Nucleus and the upgrade of HRMS systems reflect the institution's commitment to modernizing administrative processes for improved efficiency and effectiveness.

Introduction of new programs aligned with the National Education Policy (NEP) 2020. The adoption of Choice Based Curriculum and Studio-based Pedagogy enriched the learning experience across all programs. Examination reforms were implemented, focusing on aligning learning outcomes with question papers and mapping matrices, leading to improved assessment practices.

Guidelines for Academic Planning & Execution were established and disseminated. Moreover, efforts to enhance research culture were evident through increased publications, grants, and the establishment of Centers of Excellence. The establishment

of the NUV incubation center and various facility upgrades such as medical rooms and women's common rooms further underscored the institution's commitment to holistic development. Campus expansion and upgrades were also underway to accommodate growing needs. Overall, these initiatives signify a comprehensive approach towards quality enhancement across all facets of the institution's operations.

In conclusion, the IQAC at Navrachana University is committed to advancing quality in all aspects of our academic and administrative operations. As we move forward, we will continue to prioritize quality enhancement and progressive growth at Navrachana University.

CAREER DEVELOPMENT CENTRE

The placement process at Navrachana University is tailored for seamless and adaptable recruitment, focusing on maximizing students' success. It aids students in identifying opportunities aligned with their interests and aptitude, ensuring a harmonious match with the criteria set by recruiting organizations. Navrachana University offers an ideal setting for excelling in both academic and career endeavors. We take pride in serving as dedicated partners in our students' journeys toward success. Within the realm of education, Navrachana University is fervently dedicated to nurturing intellectual minds for the future.

We are happy to share that for the 2023 batch, ***our students have been placed in well-known companies like PayPal, MG Motor, TCS, HDFC Bank, Schaeffler India, Sun Pharma, Jeavio, ICICI Bank and many more. 350+ organizations from various sectors like Manufacturing, Automobile, Banking & Finance, Pharma & Healthcare, HR, Marketing, IT, Media, Reality & Infrastructure have approached during Campus Placements 2023 season.***

During the Campus Placement program of 2023 batch, **more than 250 students (those who have shown interest in a placement through the university) have secured desired placement with interested job roles, The highest salary offered was 34.06 LPA.**

Our achievement is attributed to our focus on students, dedication to excellence, transparency, and ethical conduct. Recognition is extended to the unwavering support and effort from our faculty members, Career Development Centre, and the students who have contributed to making this journey memorable and successful.

We firmly believe that the accomplishments of our students directly reflect our own success, and we take great pride in this connection.

Placement insights for the year 2023:

350+

Companies

250+

Students Placed

1000+

Internship Opportunities

34.06

Lacs - Maximum package

On an approximate average, about 35-40% of our students were engaged in jobs after they passed in 2023. They either joined as employees or are self-employed or working as Professional consultants to various Organizations.

List of some Reputed recruiters who have participated in the Campus placement process of 2023 Batch:



MOU'S SIGNED UNDER CAREER & DEVELOPMENT CELL

- Unite Computech Info, India - UCI LLP, Vadodara, Gujarat, India for joint collaboration for internships, placements, students' projects.
- McKinley Rice, Ahmedabad, Gujarat, India for joint collaboration for internships and placements.
- ScrumFolks, Ahmedabad, Gujarat, India for joint collaboration for internships and placements
- SmartiQo, Ahmedabad, Gujarat, India for joint collaboration for internships and placements
- Internshala - Scholiverse Educare, Gurgaon, Haryana, India for internship
- Calyxpod Talent Solutions, Gurugram, Haryana, India for internships and placements
- Novumgen, Vadodara, Gujarat, India for on on-Job training through Placement drive
- Orbit Pharma, Ahmedabad, Gujarat, India for joint collaboration for placement, internship for students of Navrachana University
- Novamis Pvt. Ltd, Ahmedabad, Gujarat, India for joint collaboration for placement, internship for students of Navrachana University
- Topia Technologies, Vadodara, Gujarat, India for joint collaboration for placement, internship for students of Navrachana University
- ZEUS Numerix, Mumbai, Maharashtra, India for Collaborative research and Workshops
- AIESEC, Vadodara, Gujarat, India On Job training through Placement drive by AIESEC, Vadodara

- Rajnap Technologies Pvt Ltd - Soft Sages, Vadodara, Gujarat, India for Internship & Placements, joint conferences and seminars, students' projects.
- Webbrains Technologies Pvt. Ltd, Vadodara, Gujarat, India for Internship & Placements, joint conferences and seminars, students' projects.
- Netweb Software, Vadodara, Gujarat, India for joint projects and program for students
- Callido Learning Pvt Ltd - Clever Harvey, Mumbai, India Industry projects, scholarships.
- Ascendtis, Vadodara, Gujarat, India
- Capiq Engineering Pvt Ltd, Vadodara, Gujarat, India

INNOVATION, ENTREPRENEURSHIP AND STARTUPS

Navrachana University has developed a robust environment and has created a culture of creativity, design thinking, and innovation which will go a long way in supporting students to convert their out-of-the-box ideas, projects, research et al into scalable, viable, sustainable businesses.

Navrachana University has been an anchor to support innovations and IPRs through the funds provided by Government of Gujarat, Student Startup and Innovation Policy (SSIP). We have received a total grant of 1.5 Cr for five years w.e.f 2022 -2027. In 2022-23, we have exhausted 60% of the grant by supporting 12 startups and 3 IPs.

Navrachana University has incorporated as a non-profit entity under Section 8 of the Companies Act, 2013 (No. 1 of 1956) of India. Navrachana Innovation Foundation established in October 2022, is conceptualized and designed to promote the culture of design, creativity, innovation, and entrepreneurship.

Navrachana Innovation Foundation focuses on design-based innovations (design thinking, product design, industrial design, process design). We are keen to support all business ideas with social and strategic impact, but we have 7 key thrust areas:

Sustainability in the world of design

- Health care Systems
- Agritech Solutions
- Waste to wealth creation – Circular economy
- Indian/traditional Knowledge Systems
- Tech based solutions
- Heritage conservation

Key insights:

- 2 Cr of grants to support innovation & startups.
- 30+ Startups Supported
- 5 Patents filled.
- 2000+ Students Sensitized
- 14.46 Lakhs of Grants disbursed.
- 2 startups (Octa files, Liquid verse) won awards at TiE Vadodara



- 1 innovation, Early breast cancer detection got recognized by MSME and it was the only innovation from Vadodara district to bag funds worth INR 13.5 lakhs from MSME.
- 8 Activities/Events conducted in 2022-23 to support innovation, startups and IPRs.
- Conducted Tinkerthon, IPR Symposium, Idea Validation, VCCI EXPO etc.





STUDENT SUPPORT, ENGAGEMENT AND CLUBS

NIRANTAR WELLNESS CENTRE

The academic year 2022-23 witnessed a proactive approach towards student well-being at Navrachana University. Our commitment to fostering a supportive and nurturing academic environment is reflected in the comprehensive counselling services provided to our students through **Nirantar Wellness Centre**. It played a pivotal role in addressing various psychological concerns, offering a total of 530 counselling sessions to 153 students throughout the year.

Key features include **confidential booking, a prompt response system, and a wide spectrum of counselling services covering academic stress, personal challenges, career guidance, and mental health issues.**

It caters to a diverse range of psychological concerns faced by student community. The Counselling services provided encompass issues such as anxiety, peer pressure, loneliness, rejection, trauma, family dysfunctional matters, exam anxiety, depression, low self-esteem, stress, self-harm, loss, low motivation, and parenting challenges. Our counsellor has worked tirelessly to create a safe and confidential space for students to express their concerns and seek support.

Nirantar Wellness Centre committed to promoting the mental health and well-being of students. The

significant number of counselling sessions conducted during the academic year 2022-23 reflects both the increasing awareness of mental health issues and the success of our efforts in providing accessible and effective support.

Counselling services also provide psychological assessment for students. Westside Anxiety Scale, a standardised test was conducted online to assess the anxiety level on 8th May 2023. 124 students had responded to online assessment. Score were sent individually to maintain confidentiality and 11 students came for counselling having difficulty with anxious thoughts due to exams.

Psychological First Aid for Administration Staff in University

A seminar on Psychological First Aid for Administration Staff in University was held on May 27, 2023, at 10:00 am. It was conducted by Dr. Jatin Patel, coun-

selling psychologist from Silver Oak Health. He has an experience of more than 10 years in psychological field. The objective of this seminar was to equip administrative personnel with essential knowledge and skills to provide psychological first aid effectively in stressful and emergency situations within the university environment. The event aimed to enhance the mental well-being of staff community in university.

The key takeaways from the seminar include:

- Understanding the importance of Psychological First Aid in promoting mental wellbeing.
- Acquiring effective communication and active listening skills.
- Learn to assess and address immediate psychological needs during emergencies.
- Gaining knowledge about available resources for further support and guiding students and staff.



STUDENT CLUBS

Organizational structures within educational institutions play a pivotal role in fostering institutional development and nurturing student welfare. The implementation of the Student Council concept is realized through the establishment of student-led clubs. These clubs serve as platforms for student leadership and management.

Ensuring student voice, representation, and active participation is a cornerstone of the university's framework. This is achieved through representation in University Committees and statutory bodies. Moreover, the university advocates for participatory leadership by encouraging the establishment of diverse student-led clubs and committees. These entities actively engage in university-level and school-level initiatives, allowing students to articulate their perspectives and organize campus-wide activities.

These committees and clubs often cater to specific disciplines, each with its president, vice president, and working bodies responsible for orchestrating various events. Such events play a vital role in fostering participation, cultivating a sense of community, and enhancing student engagement. Additionally, they offer students practical experiences in time management, teamwork, resource utilization, and communication skills.

Under the guidance of School Heads and the University-level Student Welfare/Relations Committee and Cultural Committee, these activities flourish. They encompass a wide range of events and initiatives, including but not limited to:

Business@NUV Business@NUV, the BBA student body at Navrachana University Vadodara (NUV), shines through its diverse event lineup showcasing talent and fostering learning. From Rising Star to Yeh Shaam Mastani, Football, Box Cricket, Investiture, and Reminisce Magazine Release, all events are con-

ceptualized by students, emphasizing creativity and innovation. Through hands-on planning and execution, students gain valuable experience in project management, leadership, and teamwork, under faculty and industry guidance. These initiatives not only enhance personal and professional skills but also enrich the university experience, affirming Business@NUV role as a catalyst for student empowerment and innovation at NUV.



SBL Football League for 2023 on 21st and 22nd January



Management@NUV, the MBA student body at the University, is committed to providing its members with valuable opportunities for professional development, leadership, and networking. Through the organization and participation in diverse events such as Trading Alpha, Football, Box Cricket, Investiture, Halloween Party, Entrepreneurship Summit, and Finance Conclave, Management@NUV showcases the capabilities of its students in conceptualizing, planning, and executing events with precision and excellence. This report underscores the student-led approach adopted by Management@NUV and the significant impact it has on fostering skills and enhancing learning experiences.

One of the distinguishing features of Management@NUV is its student-led approach to event organization. Students take on the responsibility of planning, coordinating, and executing each event from inception to completion. This hands-on approach provides students with practical experience in project management, budgeting, marketing, and logistics. For instance, Trading Alpha, a stock market simulation game, requires meticulous planning of trading sessions, participant registrations, market analysis, and prize distributions. Similarly, the Halloween Party and Entrepreneurship Summit demand creative planning, venue arrangements, guest invitations, and thematic execution to ensure a memorable and engaging experience for all participants.

Apart from organizing events, students of Management@NUV actively participate and engage in various activities, competitions, and panel discussions organized as part of the events. This active participation allows students to apply theoretical knowledge to real-world scenarios, enhance their analytical, problem-solving, and decision-making skills, and gain practical insights into industry trends and challenges. For example, during the Finance Conclave, students can interact with industry experts, attend workshops, and participate in case study competitions, enabling them to broaden their perspectives and deepen their understanding of finance-related topics.

Under the mentorship of faculty advisors and industry experts, students of Management@NUV assume leadership roles and collaborate effectively as a team to ensure the successful execution of each event. Leadership roles are assigned based on students' strengths, interests, and areas of expertise, allowing them to develop valuable leadership, communication, and interpersonal skills. The emphasis on teamwork and collaboration fosters a supportive and inclusive environment where students learn to work cohesively, delegate responsibilities, and overcome challenges collectively.

Law@NUV The Law@NUV student body comprises BBA-LLB students and was established with perpetual succession as an organization of law



students at the University. Its primary objective is to create a platform that emphasizes the development of professional skills, personality, and leadership qualities.

Within Law@NUV, there are activity-based committees such as the Moot Court Committee, Debate and Literature Committee, and Legal Aid & Awareness Committee. These committees organize numerous training sessions for students and host events including Investiture, Teacher's day celebration, Diwali celebration, Alumni talk, Visit to High Court of Gujarat, Debate competitions, Moot Court Competitions, and Legal Awareness camps. Moreover, the student council serves as a collaborative space for both faculty and students to engage in various institution-building activities.

Moot court committee & Activities

Moot court committee, competitions and its activities -Introduction to Moot Court, Introduction to the Memorial, Recognizing Disputable and Undisputable Facts, Moot Court Training Session by GNLU Moot Court Committee, Argument formation & Court etiquettes, Mock moot court, Intra Moot Competition.



Legal Aid and Awareness Committee

The Legal Aid and Awareness Committee of Navrachana University was founded in 2019 to promote legal awareness and provide aid to those in need. The committee, which is made up of a committed group of people, is led by a faculty coordinator from the law department, as well as a student convenor and other team members. The group works to improve community awareness of legal rights and obligations through a variety of initiatives. The group also works with the District Legal Services Authority (DLSA) in Vadodara, where the committee has actively taken part in numerous projects and shown its dedication in improving legal literacy and access to justice. The committee has been diligently engaged in conducting a variety of awareness programs that cover essential legal topics. These initiatives addressed anti-ragging measures, raising awareness of the complexities of cybercrime, combating drug abuse, providing free legal services through DLSA to improve access to justice, raising awareness under Protection of Children from Sexual Offences Act (POCSO Act) with the aim to educate people on child protection, environmental protection to promote sustainability. By concentrating on such important topics, the committee has shown its commitment to playing a significant role in campaigning for legal rights and societal well-being in addition to teaching the university community.

Activities of Legal Aid and Awareness Committee : Empowering Tomorrow's Leaders: POCSO and Anti-Ragging Awareness at Private Schools, Green Guard: Nurturing Nature for a Sustainable Future, From Streets to Screens: Nukkad Natak Empowers Against Cyber Crimes, From Awareness to Action: Transforming Lives through Legal Education, Safe Futures Begin Here: POCSO Awareness Program in Government Schools, Sow the Seeds of Change: Cultivating Awareness, Nurturing Nature, Your Future is Worth More Than Temporary Highs. Say No to Drugs.

Debate and Literature committee

The Debate and Literature committee at school of Business and Law strives to create and promote the culture of debating and spreading the awareness of literary events among the students of BBA.LLB. The Committee seeks to provide a platform for budding lawyers to involve themselves in dialogue and discussion over topics, along with its regular debate practice sessions which aim at honing their oratory and logical reasoning skills. In order to further its agenda, the committee organises flagship events round the year.

Google Developer Students Club NUV

Google Developer Students Club NUV is a community-based organization within the university, dedicated to fostering interest and expertise in Google developer technologies among students. Their activities include discussions on Google technologies, exploring optimal utilization methods, and organizing diverse events such as hackathons, workshops, boot camps (covering Flutter, Android, Google Cloud), watch parties, and networking sessions.

Moz@NUV is a student community committed to furthering the mission of creating and innovating open-source projects to maintain an open web. Their events and meetups are non-commercial and aim to educate students from all backgrounds who are venturing into the field of technology or product development. They not only represent Mozilla within the campus but also extend their presence to events across India and beyond, fostering a global community. Their focus lies on project development and providing assistance to students encountering obstacles in their journey. Activities include hackathons, networking sessions, and monthly events spotlighting emerging technologies

Hacktoberfest 2022, students at Navrachana University organized an event called 'NeoFest', which

took place on 15th & 16th October 2022. Hacktoberfest 22(NeoFest) is a month-long global celebration of Open Source. It is the biggest open-source event that encourages newbies to participate in open source and create their 1st meaningful project. It is a festival organized every year in the month of October where many students and developers contribute to open source by completing pull requests, participating in events, and donating to open-source projects.

The main aim of Neofest was to provide newbies with a platform to have fun & meaningful interactions with the open-source community and contribute in giving back to the dev community. Neofest came forth with some of the most exciting activities like insightful talks from industry experts, skill-enhancing workshops and a fun 24-hour long hackathon called 'Neohacks'.

Navision - Clubs serve as extensions of extracurricular activities the Journalism and Mass Communication Program. These clubs provide platforms for students to showcase their creative productions across various mediums such as TV, radio, photography, and film. Under the supervision of a faculty coordinator, students collaborate in groups within different clubs. Each club organizes programs and competitions, empowering students to take on responsibilities and successfully execute events.

NuVision- TV Club - TV club offers the students to do production like News bulletin. Interviews, talks etc.

NUvartha-Newspaper Club - the club help students to create newsletters, magazines etc.

NUVFM-Radio Club - they produce podcasts, radio shows like drama, talk etc.

NUV Phocus-Photography Club - they conduct photography workshops, also exhibitions and photo walks were done under the guidance of faculty coordinator.

Mehfilm-Film club offers students a platform or forum to discuss film and conducts screenings and discussion too.

Bio Med Club is a student driven student club of Biomedical students, aims to spread awareness on current challenges in biomedicine and health-care faced by mankind. The club strives to promote interactions among the students of various fields and discussion of innovative ideas together. The club publishes a scientific magazine named "Ingenious Probers: Exploring the Depth" where they had come out with the fifth edition in 2022. It provides a platform to the students for writing scientific articles on recent developments of biomedicine and healthcare. It also organizes a lecture series named "Phrenic" wherein they invite eminent persons from across the field of biomedical science. The Biomed club encourages learning beyond the classrooms to gain a broader perspective, cultivate passion and diversify interests. The club also has started a series of Alumni Connect to allow the alumni to share their experiences with their juniors to abreast them with the work done in their dissertation work and their job profile.

Phoenix club @ NUV is a student club initiated by BSc Life Science and BSc Microbiology group. The main objective of the formation of such a club is to involve integral development of personality and awareness of environment and relevant science topics among the BSc students. It aims at helping the students to interact with other discipline of science, to develop the feeling of the interdisciplinary concept among students. It provides a healthy competitive environment for students to take part in extracurricular activities along with their academic performance. It encourages the spirit of teamwork and management among the students.

ChemUnity - The community of Chemistry students was established in September 2019 on Teachers' Day. "Chemunity" organizes activities pertaining to propa-

gation of Chemistry, viz. expert lecture/s, workshop, exhibition, competition, industrial visit, etc. ChemUnity has proactively organized several activities till date that are relevant to the contemporary developments in Science and Chemistry for the benefit of undergraduate and postgraduate students. In line with the same spirit, "ChemUnity" organized interaction session of students with the following esteemed experts:

- Dr. Suneet Kumar Yadav, General Manager and Head Analytical Chemistry Sud-Chemie India Pvt. Ltd. Nandesari, Vadodara (November 25, 2022)
- Dr. Dinesh Nair, Vice President-Technical Services, Sanzyme Biologics, Hyderabad
- Dr. R. V. Jasra, Senior Vice President (Chemical Synthesis & Catalysis Research and Development) Reliance Industries Ltd. (May 19, 2023)

Moreover, the ChemUnity members actively participated in an online webinar entitled, 'Career in Science', wherein, Dr. T. Rajamannar, Executive Vice President & Advisor to MD, Head, High Impact innovations – Sustainable Health Solutions, Sun Pharmaceutical Industries Ltd. (June 14, 2023) and Dr. Arjun Mehta, Managing Director, Gujarat Life Sciences Private Ltd. provided career counselling and guidance to the students.

NUV Cultural Fest

74th Republic Day Celebration

University celebrated the 74th Republic Day of India on the 26th of January 2023, commemorating 76 years of independence. The event started with the parade by the NCC cadets of the University, followed by the National Anthem and flag hoisting, done by Chairperson Smt. Tejal Amin & Prof. Pratyush Shankar, Provost, NUV. Post the hoisting, the Provost enlightened the participants with his interesting insights into the connect between the Republic Day and the city of Vadodara, where the University is based. This was followed by words of encouragement by Dr. Sandeep Vasant, Registrar of the University, where he highlighted the importance of our role as academicians in the progress of the country as a whole.

There were multiple beautiful inputs given stressing on the importance of the celebration and the efforts that went behind achieving the freedom that the country has today by several other prominent staff members such as Dr. Sandeep Patil, SoS and Dr. Rishiraj, SLSE. This was followed by the NCC cadets of Navrachana University, paying respect to the country and giving the participants a message of unity, comradeship and discipline. Post this was a cultural dance performance by students.







NUV Kheliya



Navratri resonated with vibrant fervor at Jyoti Gardens, Vadodara, as the students of Navrachana University came together to celebrate on the auspicious day of Sharad Purnima.

With zeal and dedication, both students and faculty immersed themselves in the festivities. Sharad Purnima unfailingly marks the annual celebration of Navratri at NUV. What sets this occasion apart is the active participation of students, particularly the choir group, who harbor dreams of pursuing careers as professional singers. Consequently, rather than inviting renowned artists, the management encourages students to showcase their talent by leading the garba performances.

The Cultural Committee orchestrated NUV Khe-laiya 2022, drawing participation from over 1000 enthusiastic students. The event brimmed with engaging activities, including photo booths for capturing memories and food stalls offering delectable snacks and dinner. It was an unforgettable evening, pulsating with the





rhythmic beats of garba, where accolades awaited the best-dressed group and outstanding garba performers, both male and female.

Navratri, a time of spiritual and cultural significance, witnesses fervent engagement in various rituals and dances such as Garba and Dandiya Raas. These traditional dances, characterized by rhythmic movements to folk tunes, were joyously embraced by all at the NUV Khelaiya 2022 Navratri Celebration



NCC

The National Cadet Corps (NCC) commenced its journey at Navrachana University (NUV) in 2020, operating under the affiliation of the 1 Gujarat Composite (Technical) Regiment. During the academic year 2022-23, NUV witnessed the active participation of 63 cadets in institutional training with the NCC.



The cadets engaged in various training camps as part of their NCC curriculum. Here's a breakdown of the camps attended:

- The Combined Annual Training Camp (CATC), hosted by the 1 GCTR in Rajpipla, saw the participation of 15 second-year cadets and 7 third-year cadets from 25th July 2022 to 3rd August 2022.
- Five cadets were selected to attend the Army Attachment Camp held in Gandhinagar from 16th May 2022 to 30th May 2022.
- CPL Rutvi Jani represented NUV at the National Rock Climbing and Trekking Camp organized in Pithoragarh, Uttarakhand, from 5th September 2023 to 14th September 2023.

The NCC cadets of NUV achieved commendable milestones, including:

- All cadets from Navrachana University successfully cleared the 'B' Certificate exam.
- A remarkable 90% of the cadets passed the 'C' Certificate exam.
- Notably, 40% of the cadets secured an 'A' grade in the 'C' Certificate exam.

Activities organized by NCC during the Academic Year are:

Army Day Celebration

The NCC unit of Navrachana University organized two impactful events on the occasion of Army Day, which were an online slogan making competition and an essay writing competition held on 16th January 2023. A total of 10 dedicated volunteers enthusiastically participated in both events, showcasing their patriotic sentiments and spreading awareness about the Indian Army.

In the slogan making competition, the volunteers were given the topic "The Indian Army, your Patriotism, NCC" and were allowed to express their

thoughts and feelings in either Hindi or English. With great diligence, they crafted compelling slogans, aiming to capture the attention of the audience and emphasize the significance of our armed forces. The overwhelming participation and the powerful impact created by the volunteers' slogans demonstrated their deep-rooted love for their country and respect for the armed forces.

Simultaneously, the essay writing competition focused on the topics "NCC, Indian Army, your Patriotism," encouraging the volunteers to articulate their views on these subjects. They were given the option to write in either Hindi or English, and they shared their essays via a Google form. The participants worked faithfully on their essays, aiming to produce informative and engaging content for a global audience. The primary objective of the competition was to instill an understanding of the importance of the Armed Forces among young minds. Through their essays, the volunteers successfully raised awareness and motivated individuals through their patriotic sentiments.

NCC Day Celebrations

On the occasion of NCC Day Cycle rally was conducted on 27-Nov-2022. This was a one-day event to promote more youth to join NCC. Along with Cycle rally, more events were conducted such as:

1. Story post of NCC on social media.
2. Post of NCC on social media.
3. Drawing Competition on the topic of NCC and patriotism.

The schedule was fixed. The route was from Navrachana University to Sindhrot Check Dam and again from Sindhrot check Dam to Navrachana University using Bhayli route. The distance covered was 15 KM. The total number of cadets attending the event was 54.

Visit to EME School

On 17th December 2022 EME Visit was organized for NCC Cadets. Requisite per permission for the visit of Faculty of Weapons and Technology, Faculty of Instrument Technology and EME Temple. Total 48 Cadets and 1 Training Staff member (Ex HAV-MP Kalpesh Patel) visited the EME School



NCC Cultural Fest

On 29th April 2023, the NCC Cultural event took place at Navrachana University with the objective of inculcating cultural values, encouraging cultural diversities, showcasing talents, and building confidence among the participants. The event, organized by the NCC UNIT at Navrachana University, featured a variety of competitions including singing, dance, and poetry. The presence of distinguished Chief Guest, COL U M Bahadur Gurung, added an air of prestige and excitement to the event. The NCC Cultural event provided a platform for students to showcase their talents in singing, dance, rap etc

International Yoga Day

NCC Cadets at Navrachana University commemorated International Yoga Day on June 21, 2023, under the direction of Lt. Gauravkumarsingh Gaharwar. The university arranged the event, inviting Ms. Helly Vyas, a certified Yoga Instructor, to guide participants. Students, staff, and teachers from the university were invited to join the Yoga Day celebration, which took place from 8:00 am to 9:00 am. Additionally, many staff members from Navrachana University participated in honor of International Yoga Day.





Alumni Connect - NUVAA

Alumni serve as invaluable ambassadors for the university, fostering its reputation and contributing to its legacy through their achievements, beyond the walls of the campus. Their ongoing engagement and support play a crucial role in enhancing the institute's pride and fostering a sense of community among current and future students. We at Navrachana University deeply value our connection with the alumni and believe in maintaining as well as strengthening this bond.

The official Alumni portal serves as a connecting thread between the institution and its alumni. It also serves a link for the fellow alumni to connect with each other. Apart from the portal, which gives us constant update of our dear pass-outs, NUV Milan, the annual alumni meet is one event that brings back nostalgia, memories, fun, and laughter. This year when about 150 alumni meet on 11th February 2023, it re-established their connect with the alma mater.

NUVSetu, the official alumni newsletter is an account of the past and current happenings in accordance with the graduates. In addition to this, various guest and expert sessions for our current students are conducted by the alumni. These sessions cover a wide range of topics school wise like 'Talk on skills of Teaching' in SLSE, 'Alumni Lecture on Stem Cell Remediation' in SOS, 'Challenges in Welding Materials' in SET & 'Diverse Career Opportunities in Law' in SBL to name a few. We are extremely proud of the achievements of our alumni and wish that the relation between the alumni and alma mater keeps strengthening.





BUSINESS FEATURES

BUSINESS FEATURES



Yash Pathai

- Course of Graduation: *Bachelors of Business Administration*
 - Year of Graduation: *2016*
 - Name of Business/Company: *eTricksMedia*
 - Description of Business/Company:
It's a full service Advertising Agency based in Vadodara
- +91 9099913122
etricksmedia@gmail.com



Manan Jambusaria

- Course of Graduation: *B tech - Mechanical engineering*
 - Year of Graduation: *2016*
 - Name of Business/Company: *thecreatorkid.com*
 - Description of Business/Company:
We take online robotics classes for School childrens
- +91 9558021233
helpdesk.ignite@gmail.com
thecreatorkid.com



Megh Soni

- Course of Graduation: *B.Tech - Mechanical Engineering*
 - Year of Graduation: *2016*
 - Name of Business/Company: *Pushtishangar*
 - Description of Business/Company:
Pushtishangar is a media brand, creating original spiritual content on Instagram, YouTube, and Facebook. We have a following of 32k across all our social platforms.
- Pushtishangar @pushtishangar*
- +91 9016327899
megh.pushtishangar@gmail.com
www.pushtishangar.com



Heta Shah

- Course of Graduation: *Master of Business Administration*
 - Year of Graduation: *2021*
 - Name of Business/Company: *Craftstique*
 - Description of Business/Company:
Craftstique helps its client's ship feelings and emotions to their loved ones in the form of customized hand-made gifts. It offers a tailored experience for everyone; the clients can choose from the available templates as well as get products as per their ideas!
- +91 9904070860
hetanshah98@gmail.com



Sachin Bakshi

- Course of Graduation: *Bachelors in Business Administration*
 - Year of Graduation: *2012*
 - Name of Business/Company: *Roots Agro. / Edible Dreams*
 - Description of Business/Company:
We are a small farm produce company, into agriculture turnkey projects.
- We have also recently launched our brand Edible Dreams which deals in F&B*
- +91 8469161351
rootsagro@yahoo.com
www.roots-agro.com



Ronak Mistry

- Course of Graduation: *B.Tech - Mechanical Engineering*
 - Year of Graduation: *2018*
 - Name of Business/Company: *Magna International Inc.*
 - Description of Business/Company:
Largest Automotive Part Supplier to OEMs
- +1-416-560-4893
ronakmistry16@gmail.com



CONVOCATION

At the 10th Convocation of the Navrachana University, 19 students were awarded Gold Medals, of which 11 are girls. 676 students from different streams of Undergraduate, Post-graduate and Doctoral programs, will be conferred their degrees at the ceremony organized in the campus.

Lt Colonel Vijay Nair, Vice President, Head Integrated Electronic SCM, Reliance Retail Ltd, delivered the commencement speech. Colonel as popularly known in Retail and supply chain circle, has served Indian Army for over two decades. He is experienced in developing strategic, planning and execution of large size, complex SCM projects covering vast geographies. Colonel is a unique blend of operational logistics expertise, tactical execution skills with strong customer orientation. His prior experience in the Army, stands him in great stead in his style of functioning and result orientation.

In his current role, as Head of Electronic Retail, he has successfully designed and planned the SCM

network for Reliance Retail ambitious growth plan for next five years. Currently this plan is under roll out involving growth in Storage space from 4mn sqft to 19mn sqft and corresponding logistics for this network covering B2B, B2C and B2BC and GT business. Has a consistent and proven record of accomplishment of developing best business practices that has improved efficiency, reduced operating costs whilst increased performance.

Colonel has a very well-developed orientation for employee and in inculcating strong work ethics and organizational culture. His keen acumen to motivate, ability to manage and train his team, is a skill, demonstrated by higher-than-average retention rates, employee satisfaction index and collective performance delivered. Colonel excels in brand positioning. He is a thought leader and speaker on various aspects of supply chain management in various forums/conclaves/ workshops on operational and technical aspects in retail SCM. He is also a motivational speaker and



is called upon for commencement/ convocation/ graduation ceremonies and also as guest lecturer in various reputed management colleges on matters of supply chain and leadership.

Amongst the successful students, 10 students were awarded doctoral degrees. While Dr. Arshvir Kaur and Dr. Poonam Singh have done their research studies in Education under School of Liberal Studies and Education, Dr. Shehnaaz Solanki has earned her doctorate in Chemistry under School of Science. Dr. Ashwini Joshi, Dr. Bibhaskumar Basu, Dr. Nabila Qureshi, Dr. Rushit Dubal and Dr. Neha Chawla have done their research studies in Management under School of Business and Law. Dr. Dipali Pandya and Dr. Viren Parikh have earned their doctorate in Mechanical Engineering under School of Engineering and Technology.

Out of 676 graduates, 170 specialized in Engineering, 174 in Business and Management Studies, 103 in Sciences, 72 in Architecture and Interior Design, 47 in Education, 54 in Computer Applications and Data Science, 9 in Law, 21 in Journalism, and 16 in Social Work. While some of them have secured admission for further studies in prestigious institutions abroad as well as in other parts of India, a number of them have been placed in several corporates in Vadodara and other parts of India.



Scan the QR Code to listen Convocation Address

FACULTY AND STAFF

Navrachana faculty members are an acclaimed group of scholars and researchers whose teaching is augmented by the contemporariness of their academic knowledge and real-world experience. Together they create a unique academic environment that stimulates creativity and critical thinking. Not only are they eminently capable teachers but also compassionate mentors to students.



Dr. Hitesh Bhatia

Associate Dean

Dr. Sujatha Patil

Principal - BBA-LLB

Dr. Amol Ranadive

Associate Professor

Dr. Priyanka Behrani

Associate Professor

Dr. Anupama Dave

Assistant Professor

Dr. Dinesh Panchal

Assistant Professor

Dr. Nikita Mehta

Assistant Professor

Dr. Pinakin Jaiswal

Assistant Professor

Dr. Pradeep Behera

Assistant Professor

Dr. Rabichandra Elangbam

Assistant Professor

Ms. Chandrika Raj

Assistant Professor

Mr. Firdos Solanki

Assistant Professor

Ms. Madhura Thombre

Assistant Professor

Ms. Neha Chawla

Assistant Professor

Mr. Navin Sinha

Assistant Professor

Mr. Rushit Dubal

Assistant Professor

Ms. Juhi Bakshi

Lecturer

Ms. Manisha Banani

Lecturer

Ms. Niyati Patel

Lecturer

Ms. Stella Joice

Academic Associate

Ms. Dharti Parikh

Adjunct Faculty



Dr. Ashish Jani

Head-BCA/CSE/Data Science

Dr. Amarish Badgujar

Head-SET

Dr. Pallavi Ghalsasi

Associate Professor

Dr. Payal Desai

Associate Professor

Dr. Sandeep Patil

Associate Professor

Dr. Hiral Parikh

Assistant Professor

Dr. Jaideepsinh Raulji

Assistant Professor

Dr. Lipika Mazumdar

Assistant Professor

Dr. Prakruti Shah

Assistant Professor

Dr. Saloni Pandya

Assistant Professor

Dr. Shweta Dour

Assistant Professor

Dr. Umme Salma Maheeb Pirzada

Assistant Professor

Mr. Adil Khan

Assistant Professor

Ms. Cecil Johny

Assistant Professor

Mr. Dhaval Mehta

Assistant Professor

Ms. Dipali Pandya

Assistant Professor

Mr. Divyanshu Atre

Assistant Professor

**Mr. Gauravkumarsingh
Gaharwar**

Assistant Professor

Ms. Harsha Bodas

Assistant Professor

Ms. Hetal Desai

Assistant Professor

Mr. Ketankumar Bhavsar

Assistant Professor

Ms. Kriti Jaiswal

Assistant Professor

Ms. Monika Shah

Assistant Professor

Mr. Niraj Patel

Assistant Professor

Mr. Nirav Patel

Assistant Professor

Mr. Rahul Shah

Assistant Professor

Mr. Ravi Sevak

Assistant Professor

Ms. Sushma Vankhede

Assistant Professor

Ms. Vaibhavi Patel

Assistant Professor

Ms. Vaidehi Jain

Assistant Professor

Mr. Viren Parikh

Assistant Professor

Mr. Yogesh Chaudhari

Assistant Professor

Ms. Drashti Dave

Lecturer

Ms. Kinjal Patni

Lecturer

Ms. Priya Vadgama

Lecturer

Mr. Shardav Bhatt

Lecturer

Ms. Aakash Gupta

Academic Associate

Ms. Aashna Jain

Academic Associate

Mr. Muhammad Shaikh

Academic Associate

Mr. Vishal Shah

Academic Associate

Mr. Harshil Dalal

Teaching Assistant

Ms. Margi Patoliya

Teaching Assistant

Mr. Megha Mittal

Teaching Assistant

Mr. Dinesh Parmar

Lab Assistant

Ms. Hemangini Bhatt

Lab Assistant

Mr. Jitendra Patel

Lab Assistant



Prof. Pratyush Shankar

Dean

Prof. Shantanu Janu

Professor

Ms. Advaita Jalan

Associate Professor

Ms. Pragya Shankar

Associate Professor

Ms. Krunali Rathod

Assistant Professor

Ms. Manali Bhadra

Assistant Professor

Mr. Pulak Sanpui

Assistant Professor

Ms. Shalini Amin

Assistant Professor

Ms. Anjal Patel

Assistant Professor

Ms. Rutvi Patel

Assistant Professor

Ms. Sanjana Ambekar

Assistant Professor

Mr. Sagar Parmar

Lecturer

Mr. Darshil Patalia

Teaching Assistant

Ms. Hinal Palan

Teaching Assistant

Ms. Pavani Joshi
Teaching Assistant

Mr. Rushikesh Hirulkar
Teaching Assistant

Mr. Bharatbhai Panchal
Technical Assistant



Dr. PV Xavier
Associate Dean

Dr. Jigar Shah
Associate Professor

Dr. Mandira Sikdar
Associate Professor

Dr. Vandana Talegaonkar
Associate Professor

Dr. Archana Tomar
Assistant Professor

Dr. Javed Khatri
Assistant Professor

Dr. Minaxi Bhagwat
Assistant Professor

Dr. Rishi Raj Balwaria
Assistant Professor

Dr. Vaibhavi Pandya
Assistant Professor

Dr. Valli Pillai
Assistant Professor

Mr. Hitarth Pandya
Adjunct Faculty

Mr. Fazeel Painter
Teaching Assistant

Ms. Sangeeta Poddar
Academic Associate



Prof. A V Ramachandran
Professor Emeritus & Mentor

Dr. Sandeep Patil
Associate Dean

Dr. Darshee Baxi
Associate Professor

Dr. Elizabeth Robin
Associate Professor

Dr. Sumit Bhawal
Associate Professor

Dr. Amit Patwa
Associate Professor

Dr. Ankita Doshi
Assistant Professor

Dr. Brijeshkumar Shah
Assistant Professor

Dr. Denni Mammen
Assistant Professor

Dr. Karan Rana
Assistant Professor

Dr. Krutika Abhyankar
Assistant Professor

Dr. Lipi Buch
Assistant Professor

Dr. Monisha Kottayi
Assistant Professor

Dr. Parth Pandya
Assistant Professor

Dr. Rahul Parikh
Assistant Professor

Dr. Sheetal Shende
Assistant Professor

Dr. Tejal Gajaria
Assistant Professor

Dr. Vivek Mishra
Assistant Professor

Ms. Foram Patel
Academic Associate

Ms. Shehnaz Solanki
Academic Associate

Ms. Jalpa Jagtap
Academic Associate

Ms. Maulishaben Patel
Academic Associate

Ms. Khushali Upadhyay
Teaching Associate

Mr. Chirag Patel
Lab Assistant

Mr. Pinkal Patel
Lab Assistant

Mr. Sanjay Jadhav
Lab Technician

Mr. Sohil Nayak
Lab Attendant

Mr. Tejas Gurjar
Lab Attendant

Ms. Manisha Parmar
Lab Attendant

STAFF:

Mr. Ketankumar Bhavsar

Assistant Registrar
(Academics)

Ms. Smita Biju

Program Manager - (SEDA)

Ms. Khyati Patel

Program Manager - (SLSE)

Ms. Suji R

HR- Executive

Ms. Rucha Pandya

Library Assistant

Mr. Bhavesh Shah

Assistant Registrar
(Admission and Examination)

Mr. Gaurang Datar

Assistant Registrar
(Accounts)

Mr. Sujitkumar Jha

Program Manager - (SET)

Mr. Mohammadshahid Saiyed

Technical Assistant (IT)

Ms. Shilpa Thakre

Manager Communication

Mr. Kalpesh Patel

Admin Officer - Purchase and

Facility

Mr. Rajubhi Rabari

Peon

Mr. Anand Ranadive

Systems Analyst

Mr. Moinahemad Saiyed

Program Manager - (SBL)

Mr. Dhairya Vaidya

Graphic Designer

Ms. Divya Raj

Assistant Accountant

Ms. Prema Parikh

Senior Manager-IQAC

Mr. Riteshkumar Patel

Estate Officer

Mr. Chirag Darji

Systems Analyst

Ms. Tosha Shukla

Manager-Student Start up

Mr. Milind Ruparel

Head Placement

Ms. Vaibhavi P Choughule

Training & Placement
Executive

Mr. Prasad Deshpande

Assistant Accountant

Mr. Ketankumar Makwana

Executive Assistant

Dr. Jaydeepkumar Mehta

University Librarian

Mr. Vijaykumar Yadav

Computer Lab Assistant

Mr. Himanshu Parmar

Computer Lab Assistant

Mr. Sagar Shah

Computer Lab Assistant

Mr. Ravindrprasad Pathak

Executive Assistant - Library

Mr. Kejas Parmar

Sports Coordinator

Dr. Megha Joshi

Counsellor

Mr. Alpeshlaljibhai Shudra

Technical Assistant

Mr. Mahendrakumar Panchal

Technical Assistant

Ms. Manishaben Parmar

Lab Attendant

Mr. Sunil Vankar

Project Fellow

INDEPENDENT AUDITOR'S REPORT

To The Members of Navrachana University

Report on the Audit of the Financial Statements

Opinion

We have audited the accompanying financial statements of **Navrachana University** ("the University"), which comprise the Balance Sheet as at March 31, 2023 and the Statement of Income and Expenditure for the year ended and a summary of significant accounting policies and other explanatory information.

In our opinion and to the best of our information and according to the explanations given to us, the aforesaid financial statements give the information required by the Gujarat Private Universities Act, 2009 in the manner so required and give a true and fair view in conformity with the Accounting Standards as applicable to the University and other accounting principles generally accepted in India, of the state of affairs of the University as at March 31, 2023, and its **Excess of Expenditure over Income** for the year ended on that date.

We conducted our audit in accordance with the Standards on Auditing (SAs) issued by the Institute of Chartered Accountants of India. Our responsibilities under those Standards are further described in the Auditor's Responsibility for the Audit of the Financial Statements section of our report. We are independent of the University in accordance with the Code of Ethics issued by the Institute of Chartered Accountants of India (ICAI) together with the ethical requirements that are relevant to our audit of the financial statements under the provisions of the Act and the Rules made thereunder and we have fulfilled our other ethical responsibilities in accordance with these requirements and the ICAI's Code of Ethics. We believe that the audit evidence obtained by us is sufficient and appropriate to provide a basis for our qualified opinion on the financial statements.

Management's Responsibility for the Financial Statements

The University's Management is responsible for the matters with respect to the preparation of these financial statements that give a true and fair view of the financial position, financial performance and cash flows of the University in accordance with the Accounting Standards applicable to the University and other accounting principles generally accepted in India. This responsibility also includes maintenance of adequate accounting records in accordance with the provisions of the Gujarat Private Universities Act, 2009 for safeguarding the assets of the University and for preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statement that give a true and fair view and are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the University's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the University or to cease operations, or has no realistic alternative but to do so.

The University's Management is also responsible for overseeing the University's financial reporting process.

Auditor's Responsibility for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not a guarantee that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal financial control relevant to the audit in order to design audit procedures that are appropriate in the circumstances.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the management.

- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the University's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the University to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

Materiality is the magnitude of misstatements in the financial statements that, individually or in aggregate, makes it probable that the economic decisions of a reasonably knowledgeable user of the financial statements may be influenced. We consider quantitative materiality and qualitative factors in (i) planning the scope of our audit work and in evaluating the results of our work; and (ii) to evaluate the effect of any identified misstatements in the financial statements.

We communicate with the management of University regarding, among other matters, significant audit findings that we identify during our audit.

We also provide to the management of University with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

FOR AMIN PARIKH & CO.

CHARTERED ACCOUNTANTS

FRN:100332W

CA SAMIR R PARIKH

PARTNER

M. No.: 41506

Place: VADODARA

Date: 25.08.2023

UDIN: 23041506BGWFZP8068

FINANCIAL STATEMENT

BALANCE SHEET AS AT 31st MARCH, 2023

Amount in Rs.

PARTICULARS	SCHEDULE	As at 31.03.2023	As at 31.03.2022
SOURCES OF FUNDS :			
Corpus and Funds			
Other Funds	A	15,25,67,417.52	14,31,33,345.52
Corpus Fund		1,00,00,000.00	1,00,00,000.00
Unsecured Loan	B	52,16,39,361.15	50,10,33,821.15
Long Term Liabilities	C	2,55,46,770.61	2,46,03,492.61
TOTAL		<u>70,97,53,549.28</u>	<u>67,87,70,659.28</u>
APPLICATION OF FUNDS :			
Infrastructure and Investments			
Fixed Assets	D	52,29,61,547.97	50,86,62,199.97
Investments	E	1,25,29,035.00	1,21,43,325.00
Current Assets			
Deposits (Asset)	F	3,04,824.00	2,70,864.00
Dues receivable from students	G	20,15,900.00	4,71,000.00
Other Advances	H	2,05,600.00	2,41,075.00
Sundry Debtors	I	6,30,311.00	4,93,299.00
Cash and Bank Accounts	J	2,75,27,138.44	1,72,41,989.09
		<u>1,87,18,227.09</u>	<u>3,82,22,462.85</u>
Less : Liabilities & Provisions			
Duties & Taxes	K	12,25,512.15	3,34,702.52
Provisions	L	36,73,777.41	2,21,25,307.00
Sundry Creditors	M	11,85,029.00	2,92,643.00
Grants (Liabilities)	N	27,95,949.00	20,26,898.00
NUV Clubs	O	2,80,282.82	2,49,611.82
		<u>91,60,550.38</u>	<u>2,50,29,162.34</u>
Net Working Capital		2,15,23,223.06	6310,935.25
Income and Expenditure Account	P	15,27,39,743.25	16,42,76,069.56
TOTAL		<u>70,97,53,549.28</u>	<u>67,87,70,659.28</u>
Significant Accounting Policies	W		
Notes on Accounts	X		

As per our separate report on behalf of the University of even date attached herewith

CA Samir Parikh

Partner

M. No. 041506

For Amin Parikh & Co.

Chartered Accountants

FRN : 100332W

Place: Vadodara

Date :

Prof. Pratyush Shankar

Provost

Dr. Sandeep Vasant

Registrar

INCOME AND EXPENDITURE ACCOUNT

FOR THE YEAR ENDED 31st MARCH, 2023

Amount in Rs.

PARTICULARS	SCHEDULE	As at 31.03.2023	As at 31.03.2022
INCOME			
Fees	Q	25,64,61,892.09	24,88,85,589.00
Other Income	R	59,69,135.51	44,57,396.48
TOTAL		<u>26,24,31,027.60</u>	<u>25,33,42,985.48</u>
EXPENDITURE			
Salary	S	13,51,22,967.98	14,67,60,969.00
Educational Expenses	T	3,83,31,260.79	2,49,53,086.00
Establishment Expenses	U	3,01,19,074.09	2,03,04,460.70
Finance charges	V	4,04,51,299.43	3,87,57,062.06
Depreciation		<u>2,73,03,344.00</u>	<u>2,76,21,582.34</u>
TOTAL		<u>27,13,27,946.29</u>	<u>25,83,97,160.10</u>
Surplus (Deficit) Carried To Balance Sheet		<u>(88,96,918.69)</u>	<u>(50,54,174.62)</u>

As per our separate report on behalf of the University of even date attached herewith

For Amin Parikh & Co.

Chartered Accountants

FRN : 100332W

CA Samir Parikh

Partner

M. No. 041506

Prof. Pratyush Shankar

Provost

Dr. Sandeep Vasant

Registrar

Place: Vadodara

Date :

NOTES TO FINANCIAL STATEMENTS

FOR THE YEAR ENDED 31ST MARCH, 2023

SCHEDULE -V

SIGNIFICANT ACCOUNTING POLICIES

1. Basis of preparation of Financial Statements

- (a) The financial statements have been prepared under the historic cost convention on accrual basis in accordance with the generally accepted accounting principles in India, except otherwise stated.
- (b) Government grant is accounted when received.
- (c) Donations received from communities/ institutions for specific purpose are credited to respective earmarked funds and for other than specific purpose are credited to Income & Expenditure Account.

2. Use of Estimates

The preparation of financial statements requires estimates and assumptions to be made that affect the reported amount of assets and liabilities on date of the financial statement and the reported amount of revenues and expenses during the reporting period. Difference between the actual result and estimates are recognised in the period in which the results are known/ materialized

3. Fixed Assets

Fixed assets are stated at cost.

4. Depreciation

Depreciation on fixed assets is provided on the written down value basis at the rates as per the provisions of Income Tax Act 1961.

5. Investments

Investments are carried at cost and provision is made to recognize any diminution in value, other than that of temporary nature.

6. Revenue Recognition

- (a) Income from students on account of education fees is recognized on accrual basis.
- (b) Other income are recognized on accrual basis.

7. Inventories

Materials are purchased and consumed and there is no inventory as on closing day of the account.

8. Retirement Benefits

- (a) Contributions to Provident Fund and Superannuation Fund are charged to Income and Expenditure Account.
- (b) Gratuity Liability is determined on the basis of number of years of completed service and the last drawn salary as on 31st March, 2023, on actuarial basis as estimated by an independent actuary.
- (c) Liability for Leave Encashment benefit is determined on the basis of accumulated leave balance and the last drawn salary as on 31st March, 2023, on actuarial basis as estimated by an independent actuary.

9. Library Books

Expenditure on Library Books are capitalized and shown in assets.

NOTES TO FINANCIAL STATEMENTS

FOR THE YEAR ENDED 31ST MARCH, 2023

SCHEDULE - W

NOTES TO ACCOUNTS

1. Information about the University

- Navrachana University (the 'University') a body corporate, registered under the Gujarat Private University (Amendment) Act, 2019.
- The overarching goal of the University, in general, shall be to advance education at certificate, undergraduate degree, post graduate degree level including Architect, Engineering, Law etc, and to carry out research development, extension and outreach activities either on its own or in collaboration with other universities or institutions at national/international level including continuing education, distance learning and e-learning in the field of education in particular, the objectives of the university

2. Contingent Liabilities

Sr.	Particulars	As at 31 st March 2023	As at 31 st March 2022
		NIL	NIL

3. Employee benefits

(Rs. in lacs)

Sr.	Particulars	As at 31 st March 2023	As at 31 st March 2022
a.	Gratuity		
	Liability as per actuarial valuations Provision in the books of accounts	258.32	261.27
	Not provided for in the books of accounts	NIL	NIL
b.	Leave encashment		
	liability as per actuarial valuations Provision in the books of accounts	Valuation not done	Valuation not done
	Not provided for in the books of accounts	NIL	NIL

4. Disclosure on related parties transactions:- During the year transaction with related parties has been carried out which are as under:

(Rs. in lacs)

Sr. No.	Name of Parties	Nature of Transaction	Amountt
1.	Navrachana Education Society	1. Interest on borrowed Funds	404.29

5. Agreement/MOU between Navrachana Education Society and Navrachana University is executed on 25.06.2012 which referred to the transferred of operation activities of the Society to Navrachana University along with usages of properties belonging to the Society. As per MOU, Navrachana University has provided usages charges towards land and Assets usages of Rs.378.58 Lacs to Navrachana Education Society.
6. Sundry creditors, Debtors, Deposits, advances and other debit/credit balances as appearing to balance sheet are subject to confirmation and reconciliation.
7. Figures for the previous year have been regrouped or rearranged, wherever required to make them comparable with those of the current year.

For Amin Parikh & Co.

On behalf of the Navrachana University

Chartered Accountants

FRN: 100332W

CA Samir Parikh

Partner

M.No.041506

Provost

[Prof. Pratyush Shankar]

Registrar

[Dr. Sandeep Vasant]

Place : Vadodara

Date :

OFFICERS OF THE UNIVERSITY, HEADS OF THE SCHOOLS AND STAFF OF THE UNIVERSITY

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