

# SHIV NADAR

INSTITUTION OF EMINENCE DEEMED TO BE

UNIVERSITY

DELHI NCR



# ANNUAL REPORT

## 2022-23



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# VISION

To be a globally recognized research university known for its contributions toward a world that is healthy, sustainable, just, and inclusive. We work toward generating new forms of knowledge where disciplinary barriers are dissolved, the divides between the scholar and the practitioner, the thinker and the doer, are overcome, and academic benefits of research are accompanied by concrete societal benefits.

# MISSION

- To develop and educate the path-shapers of tomorrow, capable of responsible and ethical leadership.
- To support research, scholarly, and creative endeavors that contribute to the creation of new knowledge at the frontiers of specialized areas, as well as at the interface of diverse disciplines.
- To establish research and teaching programs to address the most pressing problems of India and the global community.

# BOARD OF MANAGEMENT

The Board of Management (BOM) is the principle executive body of Shiv Nadar University Delhi NCR (Institution of Eminence) which supervises and controls the affairs of the institution; regulates and determines all matters concerning the Institution; in accordance with the provisions of the Rules and By-Laws of the Shiv Nadar University Delhi NCR (Institution of Eminence).

- Mr. Shikhar Malhotra - Chancellor, Chairperson
- Dr. Ananya Mukherjee- Vice-Chancellor, Member
- Prof. Ambuj Sagar- Member
- Mr. Pawan K. Danwar - Member
- Mr. Saurav Adhikari - Member
- Mr. Sudhir Naudiyal - Registrar, Non-Member Secretary



# THE GOVERNING BODY

The Governing Body is the highest governance body of Shiv Nadar University Delhi NCR (Institution of Eminence). It renders necessary advice to the Chancellor in respect of any matter which may be referred for advice by the Chancellor to the Governing Body

- Mr. Shikhar Malhotra - Chancellor and Chairperson
- Mr. Shiv Nadar - Member
- Mrs. Kiran Nadar -Member
- Ms. Roshni Nadar Malhotra -Member
- Mr. Pawan Danwar -Member
- Dr. Sriman Kumar Bhattacharya -Member
- Dr. Ananya Mukherjee - Vice Chancellor and Member Secretary

# ACADEMIC COUNCIL

Academic Council is the highest Academic body of the Shiv Nadar University Delhi NCR (Institution of Eminence) responsible for the maintenance of standards of instruction, education and examination within the Institution. The Academic Council has the right to advise the Board of Management on all academic matters.

- Dr. Ananya Mukherjee – Vice Chancellor, Chairperson
- Dr. Bibek Banerjee – Member
- Dr. Sanjeev Galande – Member
- Dr. Sandeep Sen – Member
- Dr. Rajat Kathuria – Member
- Dr. Suneet Tuli – Member
- Dr. Dinkar Prasad – Member
- Dr. Sudepto Bhattacharya – Member
- Dr. Rajeev Kumar Singh – Member
- Dr. Susanta Sinha Roy – Member
- Dr. Bimlesh Lochab – Member
- Dr. Sanjeev Yadav – Member
- Dr. Dolly Sharma – Member
- Dr. Anubhuti Maurya – Member
- Dr. Yasmeen Arif – Member
- Dr. Vikram Kapur – Member
- Dr. Ram Ranjan – Member
- Dr. Harpreet Singh Arora – Member
- Dr. Siddharth Mallavarapu – Member
- Dr. Ghanshyam Pal – Member

## ACADEMIC COUNCIL MEETINGS DETAILS FOR THE YEAR 2022-2023

Total meeting during academic year 2022-23: 03

- August 8, 2022
- December 12, 2022
- February 9, 2022





# INSTITUTION OF EMINENCE

Institutions of Eminence scheme has been launched to implement the commitment of the Government of India to empower the Higher Educational Institutions and to help them become world class teaching and research institutions, as announced by the Hon'ble Finance Minister in his budget speech of 2016. A total of 20 – 10 public and 10 private institutions are to be identified to emerge as world-class Teaching and Research Institutions. This will enhance affordable access to high quality education for ordinary Indians.

As on June 2023, 12 Indian institutions (8 public institutions and 4 private institutions) have already been declared Institution of Eminence. Shiv Nadar University is the youngest private institution to have received the status. The final notification declaring Shiv Nadar University, Delhi NCR as Institution of Eminence Deemed to be University was published on August 3, 2023.

Government of Uttar Pradesh had passed the Uttar Pradesh Private Universities (Second Amendment) Act, 2022 (U.P. Act no.4 of 2022), on June 03, 2022. Shiv Nadar University, Delhi NCR has been de-listed as a state private university under the U.P. Act no.4 of 2022, with effect from the date of notification as an Institution of Eminence by Ministry of Education, Government of India.

# RANKINGS & ACCREDITATION

The Governing Body is the highest governance body of Shiv Nadar University Delhi NCR (Institution of Eminence). It renders necessary advice to the Chancellor in respect of any matter which may be referred for advice by the Chancellor to the Governing Body

## NIRF RANKINGS 2023

National Institutional Ranking Framework (NIRF) is a ranking methodology adopted by the Ministry of Education, Government of India, to rank institutions of higher education in India. Depending on their areas of operation, institutions have been ranked under 11 different categories – overall, university, colleges, engineering, management, pharmacy, law, medical, architecture, dental and research. The Framework uses several parameters for ranking purposes like resources, research, and stakeholder perception. These parameters have been grouped into five clusters and these clusters are assigned certain weightage.

We were ranked number 63 in National Institutional Ranking Framework (NIRF) 2023 in the 'University' Category; and 94 in the 'Overall' category.

## QS ASIA UNIVERSITY RANKINGS 2023

The QS World University Rankings are released annually, QS World University Rankings is a portfolio of comparative college and university rankings compiled by Quacquarelli Symonds, a higher education analytics firm. The rankings are regarded as one of the most-widely read university rankings in the world. The rankings are based on a methodology that considers a range of factors, including academic reputation, employer reputation, research impact, and internationalization.

We were ranked among the top #301-350 academic institutions in the QS Asia University Rankings 2023. In the Southern Asia category, the University was ranked 65.

## TIMES HIGHER EDUCATION IMPACT RANKINGS 2023

The Times Higher Education Impact Rankings are the only global performance tables that assess universities against the United Nations' Sustainable Development Goals (SDGs).

For Sustainable Development Goal (SDG) 6 (Clean Water and Sanitation) we are in top 200 globally and for SDG7 (Affordable and Clean Energy) we are in top 300 globally (201-300).



## CAREERS360 INDIA'S BEST YOUNG UNIVERSITIES 2023 RANKINGS

We were ranked number one as India's Best Young University (Private) by Careers360 Young Universities Ranking 2023. The institution was also ranked 1 as the Best Multidisciplinary Young University (Private). Under the STEM Universities category, the University was ranked 7th. The STEM category included institutions from both Public and Private sectors.

## CAREERS360 INDIA'S BEST YOUNG UNIVERSITIES 2022 RANKINGS

We were ranked second in the Young Private Universities category by Careers360.

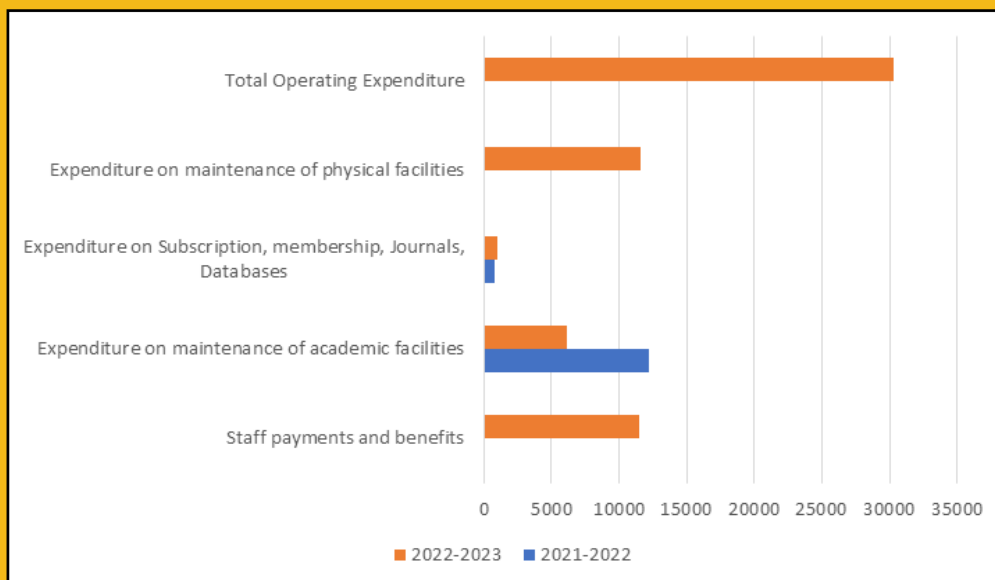
The institution was ranked under three categories. The second category being Best Private Multidisciplinary Universities, in which we were ranked 2nd again. Under the STEM Universities category, we were ranked 10th. The STEM category included institutions from both Public and Private sectors. The Careers360 India's Best Young Universities Rankings feature selected institutions that were established in the last 15 years.

# FINANCIAL PROFILE

## (FY 2022-2023)

Particulars	Amount (Rs in Lacs)	Remarks
Staff payments and benefits (including salary for human resources)	11,506	Includes salary & staff welfare exp
Expenditure on maintenance of academic facilities (excluding salary for human resources)	6,123	Including expenses from restricted funds (Grant Expenses) of Rs 477.36 Lacs
Expenditure on Subscription, membership, Journals, Databases (Part of Expenditure on maintenance of academic facilities)	1,037	
Expenditure on maintenance of physical facilities (excluding salary for human resources)	11,622	Includes depreciation of Rs 3290.65 Lacs
Total Operating Expenditure (including depreciation and grant expenses)	30,288	

This is the consolidated expenditure in SNU and SNIOE in FY 22-23.



### Employee Strength

Particulars	Regular	Full time contract	Part Time contract	Total HC	Period
Number of Faculty members in 2022-2023	215	27	45	287	Active Faculty as on 30 Jun 2023
Total number of administrative team members	24	17	3	268	Active Support staff as on 30 Jun 2023

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# SCHOOLS

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## HIGHLIGHTS 2022-2023

Number of academic schools	<b>4</b> <ul style="list-style-type: none"><li>• School of Engineering</li><li>• School of Management and Entrepreneurship</li><li>• School of Natural Sciences</li></ul>
Number of academic departments	<b>19</b>
Number of students	<b>3542 students</b> (including 587 graduated and 367 MBA(Online) students)
Number of programs/courses offered	<b>50</b> (including Undergraduate/Integrated/Postgraduate/Doctoral /Ph.D.)

# ADMISSIONS

School	Program	Students (Active)
School of Natural Sciences	<b>Undergraduate</b>	
	Biotechnology	24
	Chemistry	17
	Mathematics	21
	Physics	13
	<b>Postgraduate</b>	
	Integrated M.Sc.-Ph.D. in Chemistry	05
	<b>Doctoral (Ph.D.)</b>	
	Chemistry	17
	Life Sciences	15
	Bioinformatics	1
	Mathematics	2
	Physics	14
School of Engineering	<b>Undergraduate</b>	
	Chemical Engineering	9
	Civil Engineering	12
	Computer Science and Engineering	99
	Electrical and Computer Engineering	109
	Mechanical Engineering	45
	<b>Doctoral (Ph.D.)</b>	
	Chemical Engineering	3
	Civil Engineering	7
	Computer Science & Engineering	1
	Electrical Engineering	5
	Electronics & Communication Engineering	1
	Mechanical Engineering	7
	School of Arts and Social Sciences	<b>Undergraduate</b>
Economics		27
English		19
History		7
International Relations		28
Sociology		7
<b>Postgraduate</b>		
M.Sc. in Economics		24
Master of Fine Arts		11
M.A. in English		9
<b>Doctoral (Ph.D.)</b>		
Economics		6
English		3
History and Archaeology		4
International Relations and Governance Studies		5
Sociology		5

\* The data contains Part-time Ph.D. Scholars

School of Management and Entrepreneurship	<b>Undergraduate</b>	
	Bachelor of Management Studies	118
	<b>Postgraduate</b>	
	Master in Business Administration	47
	Online Master in Business Administration	139
School of Management and Entrepreneurship and School of Humanities and Social Sciences	<b>Doctoral (Ph.D.)</b>	
	Doctorate in Management	1
School of Management and Entrepreneurship and School of Humanities and Social Sciences	<b>Undergraduate</b>	
	Economics and Finance	50



# PLACEMENTS

## OVERALL CLASS 2023 PLACEMENTS

TOTAL STUDENTS  
**586**

STUDENTS REGISTERED  
FOR PLACEMENTS  
**324**

AVERAGE SALARY  
**11.35 IN LACS**

TOTAL RECRUITMENT  
PROCESS  
**129**

## NUMBER OF NEW PLACEMENT PARTNERS - 56

**92.3%**

Percentage  
placed

**299**

Unique  
Jobs

**430**

Total  
Jobs

**121**

Students  
placed over  
10 LPA

**27**

Students  
placed over  
20 LPA

**56**

Students  
placed over  
4 LPA

## PLACEMENT STATISTICS

**58.09 Lac**

Highest

**11.35 Lac**

Average

**9.97 Lac**

Medium

**129**

Number of  
recruitment  
Processes

**56**

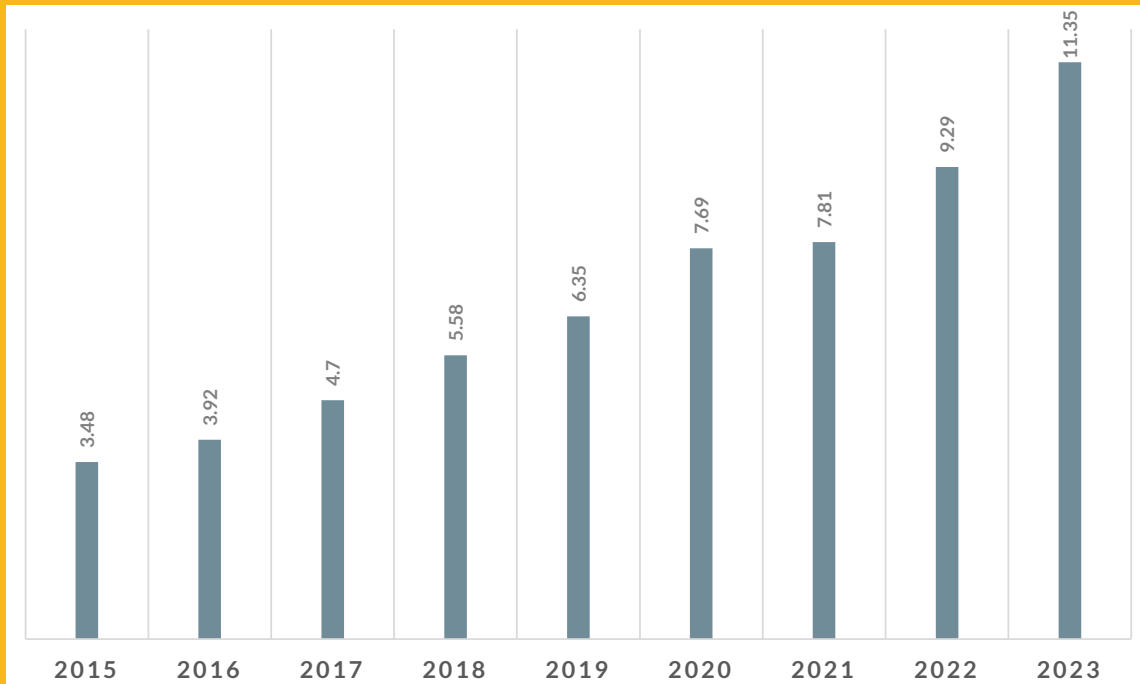
New  
Engagements

**299**

Unique  
Jobs



## AVERAGE CTC YoY

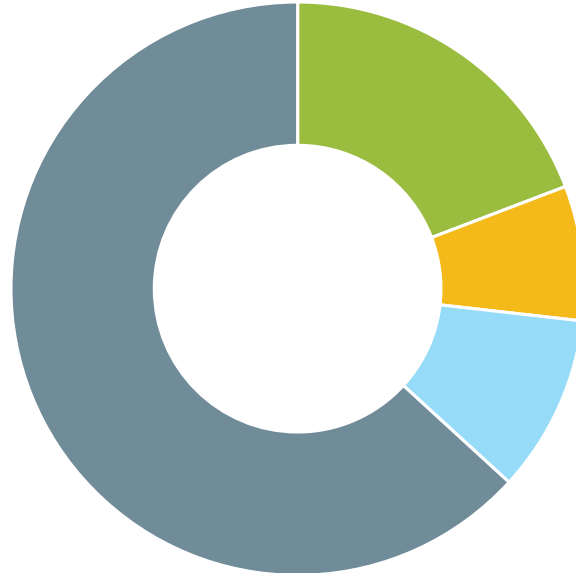


## OUR CORPORATE PARTNERS

ACCOLITE | ADDVERB TECHNOLOGIES | AECOM | ALGO8 AI | AMADEUS LABS | AMAZON | ANTAL INTERNATIONAL | ARABESQUE | ARP INVESTMENTS | ART INTERSTELLAR | ASIAN PAINTS | BERGER PAINTS | BO INTERNATIONAL | BOARD INFINITY | BYJU'S | CABINET SECRETARIAT | GOI CADENCE | CAREERS 360 | CENTRE FOR POLICY | RESEARCH CHAMPIONS SEMICONDUCTORS | CHASE INDIA | CODENATION | COGNIZANT | CUBE | HIGHWAYS CURADEV PHARMA | MCKINSEY & COMPANY | DAG DMI FINANCE | DOW CHEMICAL | ENCORE CAPITAL GROUP | ERICSSON INDIA | GLOBAL EY GDS FAMPAY INC. | FLIPKART | FRACTAL ANALYTICS | FROZEN IRIS GALYTIX | GAMESKRAFT | GD RESEARCH CENTER | GE POWER | GEBR. PFEIFFER | GENESTORE | GENPACT | GOCOMET | GUJARAT FLUORO CHEMICALS LIMITED | GUJARAT METRO RAIL | HACKERRANK | HCL TECHNOLOGIES | HEXAWARE TECHNOLOGIES | HIKE EDUCATION | HP INC. | IHS MARKIT INDIAN ACCELERATOR | INDIAN DEVELOPMENT CENTER | INDRA WATER | INFO EDGE | INNOVACER | INTERNSHALA | INTERVIEW | KICKSTART | IQVIA | IRDETO | ISGEC HEAVY ENGINEERING LTD. | JAMBOREE EDUCATION | JK CEMENT LTD. | JOSH TECHNOLOGY GROUP | JUSPAY | KPMG | KYOCERA DOCUMENT SOLUTIONS | L&T TECHNOLOGY SERVICES | L'ORÉAL RESEARCH & INNOVATION | LARSEN & TOUBRO | (L&T) CONSTRUCTION | LATENTVIEW ANALYTICS | LEAD SQUARED | LIDO LEARNING | LUTRON ELECTRONICS | RMS | MCKINLEY & RICE | MECHARTES MEDIA | .NET | MORGAN STANLEY | MRF TYRES | MTX GROUP INC. | NAGARRO NATIONAL INSTRUMENTS | NAUKRI.COM | NCR CORPORATION | NEXTGEN | INVENT NOBROKERHOOD | OMAX AUTO LTD. | OUTLOOK INDIA | PAPERPEDIA | PENTAIR INDIA LTD. | PHONEPE | PIRAMAL FOUNDATION | PLANET | SPARK | PRIMERAIL | INFRA LABS | PROCTER & GAMBLE | QUANTRIUM TECH | RAMBOLL ENGINEERING | REAL TIME DATA SERVICES | REGALO PRUDENT TECHNOLOGIES AND CONSULTINGS | RT VISION | SAMSUNG RESEARCH INSTITUTE | SATTVA CONSULTING | SHOPCLUES | SIGNZY | SOCIOWASH | SPRINGHUB | STANDARD CHARTERED BANK | TCS | TEAL TENOVIA SOLUTIONS | THALES INDIA PVT. LTD. | THE SOLAR LABS | THEMATHCOMPANY | TO THE NEW | UFLEX LTD. | UPGRAD | UPL | VERZEO | WHITEPANDA | WILLIS TOWERS | WATSON WORLD RESOURCE INSTITUTE | WRITE | IGNITE | XCEEDANCE CONSULTING INDIA | XL DYNAMICS | ZEE ENTERTAINMENT ENTERPRISES

# INTERNSHIP 2022-23

■ SNS ■ SHSS ■ SME ■ SOE



Registered Students

500

Internship offers rolled out

260

Organisations

111

## PARTNERS

DELL | GOLDMAN SACHS | ADOBE | SCHINDLER | BLITZ JOBS | INSPLORE | FROZEN IRIS | TALERANG | AIC SNU | DAIKIN | RATEGAIN | EY | GDS | UNSCHOOL | CE COMFORT ENGINEERS | CAREERS 360 | STATLOGIC | CASH POSITIVE | BLUE DIGITAL | TURTLEWIG | METVY | THE MONEY ROLLER | PRASUK | GOOGLE | SHIKSHA | OUTLOOK GROUP | AIM INDIA PVT. LTD. | ISGEC | AMERICAN EXPRESS | PWC | DSCI (NASSCOM) | MICROSOFT | UNCCD | KPMG | TENHARD | WORLD VISION INDIA | COLORED COW | KNOWLEDGETICS RESEARCH | ROHDE & SCHWARZ | YUVA PARIVARTAN | LANCERS COUNSEL SERVICES PVT. LTD. | MAHIKA MISHRA FOUNDATION | FXMTRACK FINANCIALS | APNA INTERNSHIP | ATTAR AYURVEDA

## ROLES OFFERED

FULL STACK DEVELOPER | SALES DEVELOPMENT | BUSINESS DEVELOPMENT | GROWTH ASSOCIATE | HR GENERALIST | BUSINESS ANALYST | EQUITY RESEARCHER REPRESENTATIVE | MARKETING | VIRTUAL INTERNSHIP | DATA ANALYST INTERN | ASSOCIATE CONSULTANT | CONTENT CREATION | CUSTOMER SUCCESS | MARKET RESEARCH | SOFTWARE DEVELOPER INTERN | DATA SCIENCE | HR INTERNSHIP | DESIGN INTERN | CORPORATE RELATIONS | MARKETING & SALES | BLOCKCHAIN, AI, ML | PRODUCT MANAGEMENT

## ACADEMIC PLACEMENT 2022-23

### Prominent Academic Placements



# CONVOCATION

The Ninth Convocation ceremony of the university was held on 29th July 2023.

587 students received their degrees as below:

School	Total Students	UG	PG	PhD
School of Engineering	266	255	3	8
School of Humanities & Social Sciences	114	69	44	1
School of Management & Entrepreneurship	104	46	56	2
School of Natural Sciences	103	74	7	22
Total	587	444	110	33
Male	337			
Female	250			

**Gold medalist:** Shruti T.G., Bachelor of Science (Research)-Biotechnology

**Silver medalist:** J. Aparna, Bachelor of Science (Research) Mathematics

Two Honorary Doctorates were also conferred on Professor Rohini Godbole, Padma Shri Awardee, Indian Physicist, and Professor Ajay Kumar Sood, Principal Scientific Adviser to the Government of India.

## SCHOOL OF MANAGEMENT AND ENTREPRENEURSHIP

The School of Management and Entrepreneurship (SME) is the youngest school at the university. It was created with a vision for developing thought leadership in management as well as to develop entrepreneurial leaders, adept at handling the new and emerging expansive digital world.

It offers undergraduate, postgraduate, and doctoral programs.

The unique pedagogical approach at SME equips students to manage continuously emerging challenges in the VUCA environment. The approach is an amalgamation of advanced knowledge, academic learning and practical implementation, and a multicultural openness to diversity in the corporate environment.

### HIGHLIGHTS

#### Major Events:

- InQube 2022, the National Business Themed Competition
- TVL Conclave featuring 19 student teams start-ups

# SCHOOL OF NATURAL SCIENCES

The School of Natural Sciences is integral to Shiv Nadar University, Delhi NCR's vision of becoming an institution of global stature and impact. The school provides students a global environment in a local setting with innovative and engaging teaching methods and offers a wide range of physical and biological sciences subjects across Chemistry, Life Sciences, Mathematics, and Physics at the undergraduate, postgraduate, and doctoral levels.

With multi-disciplinarity at the core of our educational offer, students can choose from the broad spectrum of program offerings within the natural sciences discipline or outside of it.

The vision of the school is to lead the way in scientific research and development through the study and application of natural sciences, creation of a highly productive scientific workforce and fostering a true scientific temper among society. The research is enabled by many state-of-the-art laboratories and computational facilities established in the School.

## DEPARTMENT OF CHEMISTRY

The Department of Chemistry has been ranked 28th in India by Nature Index India 2023. The department's research initiatives are focused on Chemical Biology and Materials Science, emphasizing the intersections of Energy and Environment, with additional support from Computational Chemistry.

The department has ongoing collaborations with esteemed institutions, societies [the American Chemical Society (ACS) and the Royal Society of Chemistry (RSC), etc.], along with industry partnerships, with feeding in consultancy projects. It's commitment to collaboration is demonstrated through international internships and ACS/RSC-sponsored events.

## DEPARTMENT OF PHYSICS

The department's major focus areas of research are materials science, condensed matter physics, computational and mathematical physics, particle and astro particle physics, astrophysics, and soft matter physics, which include both fundamental and applied research.

## DEPARTMENT OF MATHEMATICS

The department is one of the founding departments of the University, and it envisions to be one of the strongest mathematics departments in the country by having strong research groups in the discipline, that conducts cutting-edge, frontline research covering disciplinary as well as inter and trans-disciplinary themes.

Focal Areas of research in the department are Algebra, Complex Systems Modelling, Data Science, Functional Analysis, Geometry, and Optimization.

## DEPARTMENT OF LIFE SCIENCES

The Department of Life Sciences has been ranked 21st in India by Nature Index India 2023. It was established in the year 2012.

The department's research activities can be broadly divided into three thrust areas:

- Molecular and Systems Biology
- Regeneration Biology
- Translational Biology.

The department has also have also initiated research in the field of Cognition and Behavior.

## ACTIVITIES

### Department of Chemistry organized:

- Fully sponsored visits by International ACS editors
- The Chemistry Fair 2023, February 10-11, 2023, theme Learning by Doing
- Yusuf Hamied Chemistry Camp for less privileged UP students on February 9-11, 2023

Both the events - The Chemistry Fair 2023 and Yusuf Hamied Chemistry Camp were sponsored by the Royal Society of Chemistry (RSC).

Department of Physics organized a 2-day workshop, 'Particle Physics, Astrophysics and Cosmology (WPAC)' funded by DST-SERB. The department started the monthly Mathematical Sciences Colloquium series, where eminent mathematicians of international repute have been invited as speakers. 9 such colloquium have been organized in the year. The speakers include:

- Prof. Ravindra B Bapat, INSA Fellow, Indian Statistical Institute, Delhi Centre and Adjunct Professor, Ashoka University
- Prof. Niladri Chatterjee, Soumitra Dutta Chair Professor of Artificial Intelligence, Department of Mathematics, Indian Institute of Technology (IIT) Delhi
- Prof. T. S. S. R. K. Rao, Distinguished Professor, Shiv Nadar University
- Prof. Pradeep Dubey, Professor, Department of Economics, Stony Brook University, and Co-Director, Stony Brook Game Theory Center
- Prof. T. E. S. Raghavan, Emeritus Professor, University of Illinois, Chicago
- Prof. Karmeshu, Director, Center for Stochastic Modeling and Simulation and Distinguished professor, School of the Computer Science, University of Stochastic Modelling of Socio-technical systems Petroleum and Energy Studies, Dehradun
- Prof. Eknath Prabhakar Ghate, Professor, School of Mathematics, Tata Institute of Fundamental Research, Mumbai
- Prof. Adrijit Goswami, Department of Mathematics, Indian Institute of Technology Kharagpur
- Prof. Indranil Biswas, Professor, Mathematics, Tata Institute of Fundamental Research, Mumbai

Department of Life Sciences, in association with the Career Development Center organized Industry Visit to Mother Dairy plant for UG students of Life Sciences (3rd year and 4th year).

# ACHIEVEMENTS

## Faculty

- Dr. Ajoy Kapat, Certificate of Recognition & Appreciation from ACS (2022 Publications Peer Reviewers)
- Dr. Animesh Samanta, Guest Editor in special issue, Chemosensors and received Certificate of appreciation Highly Cited Article (Chem. Comm. 2021) in 2022.
- Professor Debdas Ray, presidential postdoctoral fellowship at the University of Electro-communications, Japan
- Dr. Kshatresh Dutta Dubey, Academic Editor- PLOS One, Associate Editor: Frontiers in Chemistry.
- Prof. Parthapratiim Munshi, Co-Editor of Journal of Applied Crystallography – Journal by International Union of crystallography (IUCr), Editor, Current Indian Science: Crystallography, Associate Editor, MOJ Bioorganic & Organic Chemistry, elected as Executive Council Member of Indian Crystallographic Association, Member of the Editorial Board of Journal of Molecular Structure, Member, Advisory Board of CrystEngComm – Journal by Royal Society of Chemistry, invited to represent India as one of the International Science Council (ISC) members at the 26th Congress & General Assembly of the International Union of Crystallography, Melbourne, Australia, 2023, Elected to represent India as a member of the commission on quantum crystallography at the council meeting of the AScA at the 26th Congress & General Assembly of the International Union of Crystallography, Melbourne, Australia, 2023.
- Prof. Subhabrata Sen, received a consultancy project with Emirate Float Glass, Abu Dhabi, UA, research fellowship from Middle Tennessee State University, TN, USA for collaborative research with Prof. Souvik Banerjee on autotaxin inhibitors
- Prof. Vijay Kumar, ranked 3944 in the world and 33 in India Research.com 2023 Ranking of Best Scientists in Materials Science (<https://research.com/scientists-rankings/materials-science>)
- Dr. Tatini Rakshit, graded excellent in the DST inspire faculty grant by the DST expert committee
- Prof. Bimlesh Lochab, selected as one of the 75 Women in SHE IS - 75 WOMEN IN CHEMISTRY featured in the fourth edition of She Is, Sep 2023, Beyond Black in partnership with the Office of the Principal Scientific Adviser, Government of India and Royal Society of Chemistry; awarded APA (Asian Polymer Association) Young Scientist Award for outstanding achievements in polymer research in APA-2023, International Conference on Polymers for Advanced Technology, Goa, 23-25 February 2023
- Dr Priyanka Grover, selected as an Associate of the Indian Academy of Sciences
- Dr. Rohini Garg, selected and formally included in the FWO Review College for the next three years, The Research Foundation – Flanders, (panels 2023 – 2025); selected to serve for iGEM engineering committee member (January 2023)
- Dr. Richa Priyadarshini, filed one Indian Patent.
- Dr. Koyeli Mapa, member of the Board of Reviewing Editors (BRE) of the journal eLife in "Biochemistry and Chemical Biology"; served as a reviewer for the journals eLife, Communication Biology, and Journal of Molecular Biology; served as an invited expert for the first PAC meeting for the SERB-SURE scheme held in April 2023 in Delhi.

- Dr. Anindita Chakrabarty, associate editor of BMC Cancer (Springer Nature)
- Dr. Neelesh Dahanukar, joined as associate editor for Phylogenetics and Paleobiology, Frontiers in Amphibian and Reptile Science (October 2022); editorial board member of PLoS ONE and BMC Zoology; reviewer of Zoological Research, Scientific Reports, Ecology and Evolution, Zoologischer Anzeiger, Journal of Biosciences, Journal of Fish Biology, Aquaculture and Fisheries, Ichthyological Explorations of Freshwaters, Frontiers in Ecology and Evolution, PLoS ONE, Heliyon, Zootaxa, Diversity, Water
- Dr. PC Reddy, review editor on the Editorial board, Frontiers in Cell and Developmental Biology journal and Frontiers in Genetics journal, 2022; eLife Open Science Champion, 2022
- Dr. Sachin Deshmukh, expert advisor for Indian Junior Science Olympiad, INJSO/IAPT, (2022-23).
- Dr. Geetanjali Chawla, review editor (Metabolic Physiology), Frontiers in Physiology, 2022; reviewer, Journal of Bioscience, 2023; editorial board member, Scientific Reports, 2022; associate editor, Journal of Experimental research on human growth and Aging (JERHA).
- Dr. Tanvi Deora, editorial board, Frontiers in Insect Science.
- Prof. Prasun Kumar Roy, expert member, monitoring & review committee, Brain Map Project, Office of Principal Science Adviser, Govt. of India; selection committee member, Young Associateship, Indian National Academy of Engineering, New Delhi; reviewer to various journals as Brain Research, Frontiers in Neuroscience, IEEE Transaction on Systems, Man and Cybernetics, etc.; expert member, program on “Wearable Electronics for Biomedical Applications”, SERB; U.P. State Chapter Cell member, National Academy of Medical Sciences; core committee member, Medical Electronics, Program Advisory Committee on Electronics, Electrical, Communication, SERB

## STUDENTS

- Biswajit Mohanty, received IUCr young scientist award to attend the 26th IUCr-2023 meeting in Melbourne, Australia; was selected for the Global Young Scientists Summit 2024, Singapore
- Aditya Verma, B.Sc.-M.Sc. (Research), has been selected for the DAAD-WISE fellowship for 3 months from May to August 2023 to work with Prof. Anjana Devi, Ruhr University, Bochum, in the broad area of Inorganic Materials Chemistry
- Ms. Rashmi Niranjana, PhD student, filed an Indian patent from her thesis work
- Mr. Rohit Kumar Verma, PhD student, attended the Global Young Scientist Summit 2023
- Ms. Pallavi Ramaswamy, UG student, was selected for the prestigious MITCAS 2023 Globalink Research Internship award
- Ms. Anahita Jayaram, UG Selected for the Khorana Scholars Program to visit labs in the US to gain 10-12 weeks of research experience



# SCHOOL OF ENGINEERING

The School of Engineering at the University focuses on being research centric; the multidisciplinary curriculum helps in creating an optimal blend of technically skilled and socially responsible citizens who are well-equipped to become leaders in their chosen fields. The university has 5 departments who offer undergraduate, postgraduate, and doctoral program.

- Department of Chemical Engineering
- Department of Civil Engineering
- Department of Computer Science and Engineering
- Department of Electrical Engineering
- Department of Mechanical Engineering

## ACHIEVEMENTS

- HCL Tech and the University jointly worked and completed the consultancy projects based on the following technologies and areas:
- Artificial Intelligence - Computer Vision | Faculty - Snehasis Mukherjee
  - o Natural Language Processing (NLP) - Validating Large Language Models | Faculty - Sonia Khetarpaul and Dolly Sharma
  - o Security - Training HCL employees | Faculty - Sweta Mishra and Shankar Ghosh
- Department of Civil Engg secured FIST-2022 grant (Total grant: Rs 99 Lakh) from Department of Science and Technology, Govt of India. (Project Team members: Dr. Ghanshyam Pal, Dr. Gopal Das Singhal, Dr. Hites Upreti, Dr. Ellora Padhi, Dr. Manoj Kumar Singh, Dr. Susant Kumar Padhi).

## FACULTY

- Dr. Snehasis Mukherjee became a Senior Member of IEEE
- Dr. Harpreet Singh, Dr. Harpreet Singh Grewal and Dr. Sumit Tiwari Featured in Stanford University's List of Top 2% Scientists, 2022
- Mr. Aakash Sinha: 2nd Runner Up, World Robotics Championship August 2022, Drone design competition, Lead the SNU Robo Yantriki team

## STUDENT

- Punyam Singh, undergraduate student participated in the international event "World Robotics Championship Technoxian (Quadcopter Challenge)". He was the Second Runner-Up at the event.
- Aditya Agarwal, undergraduate student participated in the international level event "World Robotics Championship Drone Challenge". He secured 3rd position.
- Ph.D. students Mr. Jayanth Ivvala and Mr. Mayank Garg were selected for Global Young Scientist Summit held at Singapore

# SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

The school offers a platform where research, teaching and creative activities go hand in hand to enable students to become engaged critical thinkers. The School of Humanities and Social Sciences is an academically vibrant entity with departments that range from purely academic to practice-oriented disciplines. The school's primary research focus is to create new knowledge through a transdisciplinary approach. It has 7 departments offering undergraduate, postgraduate, and doctoral programs.

## DEPARTMENT OF ART, MEDIA AND PERFORMANCE

The Department of Art, Media and Performance (AMP) positions itself at the intersection of art practice and research, providing a distinctive platform for students to transcend traditional disciplinary boundaries and explore the rich interplay between creative expression and scholarly inquiry. The key features of the pedagogical processes at the Department of Art, Media and Performance (AMP) are artistic research, making/doing as thinking, process as art, methodologies for transcending disciplinary boundaries to generate new areas of study. Our pedagogy acknowledges the importance of understanding the socio-cultural contexts in which art exists. The key research areas are:

- Dance
- Art and the Field: Context and Materiality
- Documentary Practice
- Art in Public Domain: Intervention and Action

## DEPARTMENT OF DESIGN

Department of Design (DoD) was established in 2017 with the mission of nurturing creative minds into outstanding design leaders of the 21st Century. The key research areas are:

- Visual Narrative and Cognition
- Cognition and Learning
- Creative Design for Sustainability
- Future Technologies in Design
- Assistive Technology
- Smart Connected Products

## DEPARTMENT OF ECONOMICS

The department of Economics is one of the premier Economics departments in India. Established in 2012, it has quickly established its reputation as one of the leading economics education and research centres. It aims to undertake research of the highest quality in Economics which enables

and empowers citizens of the society in an ever-changing world and broadens the horizons of the discipline. The key research areas are:

- Economic Theory Group
- Macroeconomics Group
- Development Economics Group
- Environmental Economics Group

## **DEPARTMENT OF ENGLISH**

The department seeks to combine intellectual rigor with continuous innovation inside and outside the classroom. The key research areas are:

- South Asia Studies
- Creative Writing
- Print Culture
- Women's Writing
- Digital Humanities
- World Literature and Translation Studies

## **DEPARTMENT OF HISTORY AND ARCHAEOLOGY**

The Department offers a unique and creative intertwining of history, archaeology, and museum studies as distinct disciplinary approaches to the past. The independent projects of the department, enable to speak across the social sciences, create bridges between the sciences and humanities, and proactively communicate department's work to a larger audience. The Department has a vibrant culture of research. Some recent research include:

- Religion, Politics, and Landscapes in Archaeology
- Epigraphy: Texts and Culture
- Museum Archaeologies and Heritage Histories: Thinking Through Things
- Studies in Economic History
- Social and Cultural Pasts of South Asia
- Paradise at the Frontier: A History of Kashmir in the Sixteenth and Seventeenth Centuries

## **DEPARTMENT OF INTERNATIONAL RELATIONS AND GOVERNANCE STUDIES**

The students are exposed to the limits and challenges that traditional frameworks pose in a complex world. The department believes that it is essential to understand the world from the context we find ourselves, on our terms. This entails an awareness of the dominance of specific knowledge flows from the global North to the global South, and the need to address this asymmetry meaningfully. The key research areas are:

- Immediate Neighbourhood
- Multidisciplinary Research

## DEPARTMENT OF SOCIOLOGY

The Department of Sociology is committed to a productive and responsible understanding of contemporary society. Keeping abreast of global and local shifts in social life, in the economic, political, cultural, and everyday lives, the department trains the students to critically engage with their environment with a robust sociological grounding and interdisciplinary sensitivity. The key research areas are:

- Social Life of Difference
- Technology and Ecologies: Human and Non-human
- Mind, Body, Health
- Sensory Worlds and Aesthetics
- Forms of religious life
- Life, Law and Governance



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# **CENTERS OF EXCELLENCE**

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# ATAT INCUBATION CENTRE (AIC)

The Shiv Nadar AIC, established in August 2017, is backed by AIM Niti Aayog and the Start-up India Seed Scheme by the Government of India, along with Startin UP from the Government of Uttar Pradesh. Serving as a dynamic catalyst, it plays a pivotal role in fostering innovation and nurturing the startup ecosystem.

## AIC TILL DATE

<b>STARTUPS</b>	
Total Startups Supported	107
Deep Tech Startups	47
Currently Incubated Startups	43
Revenue generating Startups	35

<b>GRANT AND EXTERNAL FUNDING</b>	
Total grants received by startups	17
Total amount of grants received	1800+ Lakhs
Total amount of external funding received	2000+ Lakhs
Total startups selected under SISFS	10
Total funds allocated under SISFS	200 Lakhs

<b>COLLABORATIONS</b>	
Investor Connect	31
Mentor Connect	30+
Partnerships & Collaborations	35+

<b>OTHER FACTS</b>	
Workshops organized	25
Webinars Conducted	60
Engagement, Networking and market Outreach programs	30
Audience sensitization for entrepreneurship	5000+
Jobs created	300+

## HIGHLIGHTS

**Inauguration of Additive manufacturing** - AIC inaugurated its additive manufacturing facility on Feb 8, 2023. 3D printer in the centre helps the startups create aesthetically appealing functional prototypes and promote innovation on campus.

- **Venture Challenge 6** - The AIC invited applications from startups to incubate and empower aspiring entrepreneurs by providing the necessary support to launch, accelerate, and scale their businesses. This was the 6th cohort of the annual incubation program. The applications were open from January 9 2023 - March 8 2023 and the cohort will graduate in December, 2023.

Total Applications	-	400+
Pitches	-	102 shortlisted startups pitched
Total Start-ups Selected	-	33

- **Fempreneur** - AIC organized Fempreneur to celebrate the 'Enterprising Spirit of Women'. The event was attended by more than 50 rural and urban women enterprises, Shiv Nadar AIC Women Founders, Investors, Change-makers, and Representatives from Corporate world. It highlighted the story / journey of Urban and Rural Women Livelihood Enterprises associated with HCL SAMUDAY, HCL UDAY and change makers of SHIKSHA initiative, Shiv Nadar Foundation.
- **IdeaXchange 2.0** - Shiv Nadar AIC hosted the second edition of its flagship event, on November 26, 2022. The event brought together a diverse array of over 150 delegates from across India, a dynamic mix of investors, esteemed business experts, diplomatic figures, technology enthusiasts, and innovative startup exhibitors. The event was inaugurated by Mr. Parameswaran Iyer, the CEO of NITI Aayog, and was attended by key leaders from Invest India and Business Finland, alongside prominent figures representing industry giants such as Tata 1 mg, Greenscape Eco Management, Cian Analytics, HCL Tech, Deloitte, Micron Technology, and many others.



# ACADEMY OF CONTINUING EDUCATION

ACE aims to facilitate best-in-class knowledge, practices, and skill development offerings to the growing ecosystem of lifetime learners and leaders, both within and outside the University.

The Academy has a strong foundation in a student-centric, multidisciplinary and research focused pedagogy. The uniquely crafted programs combined with innovative delivery models offer students the best of the University's rich intellectual resources. ACE presents a choice of learning opportunities through certificate and degree programs.

## HIGHLIGHTS

- **2-year Online MBA launched.** The program is designed for both – the fresh graduates and working professionals, equipping them with knowledge in business and management domain in an online format. The program offers specializations in Data Science, Marketing, Digital Finance and Human Resources.
- **A memorandum of understanding (MoU)** was signed with Indian Institute of Corporate Affairs (IICA). This partnership would focus on enhancing professional learning, research and training in corporate affairs. The collaborative arrangement would also explore possibilities of joint academic programs, exclusive research initiatives and thematic conferences.
- **A 3 day executive education program** (in the form of interactive participative workshop) on ESG for Future Proofing was conducted in September 2022. A leadership level panel discussion was a part of the program - Dr. Annapurna Vancheswaran, MD, The Nature Conservancy, Former Senior Director, TERI; Mr. Rajeev Dubey, Member, Governing Body, ILO, Geneva, Former Group President (HR & Corporate Services), Mahindra Group and Mr. Richard Rekhy, Former CEO, KPMG were part of the panel. The program was designed and taught by ESG thought leaders, researchers, and practitioners.
- **Analytics Olympiad** – The Analytics Olympiad 2022 was organized in December 2022, in collaboration with MachineHack. The two-month-long championship was designed to strengthen the data science community in India and pave the way for innovation. It attracted over 1000 registrations from all over India, top 9 participants were given opportunity to make presentations before an eminent jury panel. The winner received prize of INR 1 lakh, followed by 1st runner up prize of INR 30 thousand and 2nd runner up prize of INR 20 thousand. Along with the competition, panel discussions were held, prominent analytics leaders participated as panel members and deliberated on themes- “Career Management in the Era of Analytics and Data Explosion”, “The Future of the Data Science and Analytics Industry”, and “Industry-Academia collaboration for Research, Projects, and Consultancy.



# DASSAULT SYSTÈMES CENTER OF EXCELLENCE

Spread over 5000 square feet, the state-of-the-art center is an outcome of a novel academia-industry collaboration. SDC aims to fuel research, innovation, design and entrepreneurship, through problem solving on industry-based projects using Dassault Systèmes' globally recognized 3DExperience platform.

**Dassault Systèmes software** – highly acclaimed by industry and academia equally, has been made available for students at the SDC in both Academic and Research versions. 1200 licenses of academic version of 3DExperience platform, research and academic version of Biovia software and MDES research version of Abaqus suite are available to integrate people across departments and business verticals.

## HIGHLIGHTS

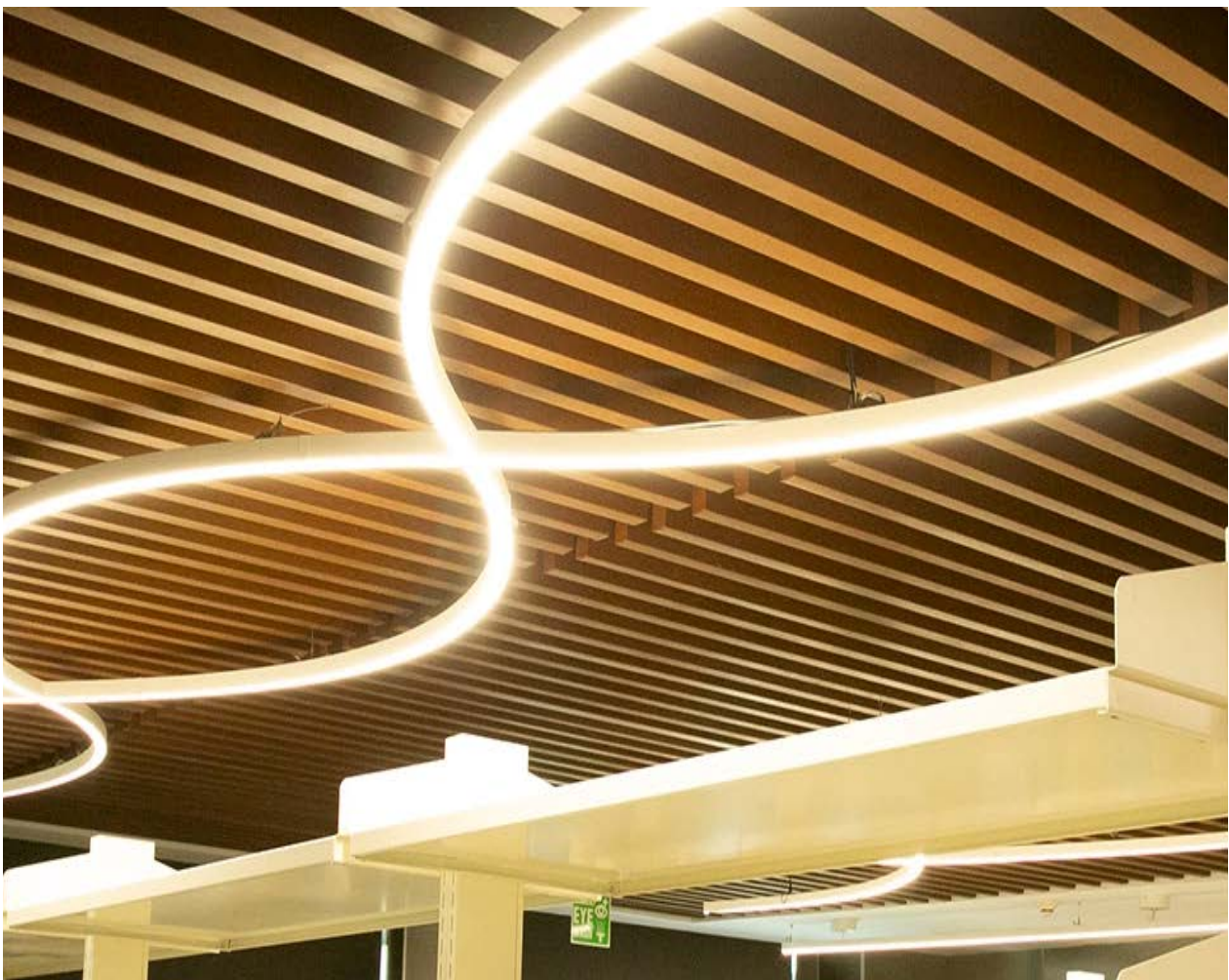
- 13 projects worth 96.3 Lakhs including from HCL, DSIR, ISRO, Berger Nipon paints, La Foundation, etc.
- Interdisciplinary core team of faculty from Engineering and Sciences
- The Dassault resources is being integrated into curriculum and courses (approximately 800+ UG students)
- Hosting various UG student projects and technical clubs
- 20+ PG/PhD students are also utilizing the Dassault platform in their research work.



# CENTER OF EXCELLENCE IN EPIGENETICS

The vision for the Center of Excellence in Epigenetics at Shiv Nadar University, Delhi NCR is to build upon an interdisciplinary synergy generated during the first decade of its existence at IISER Pune. The center aims to bring together a group of established as well as young investigators with expertise in diverse fields, including Molecular Genetics, Biochemistry, Molecular Cell Biology, Developmental Biology, Neurobiology, Genomics, Proteomics, and Computational Biology, to formulate and test a set of novel and exciting hypotheses in the field of Epigenetics. In particular, the center is focused on epigenetic modifications underlying various biologically essential phenomena and their role in gene expression, development, regeneration, diseases, evolution, and adaptation.

The center employs and develops genetic, biochemical, genome-wide, and computational approaches to investigate complex and dynamic processes including the mechanisms of gene regulation, cell proliferation, self-renewal, regeneration, and interrelationships between these processes.



# THE CENTRE OF EXCELLENCE FOR HIMALAYAN STUDIES (CHS)

The Centre of Excellence for Himalayan Studies under the School of Humanities and Social Sciences at Shiv Nadar Institution of Eminence (SNIOE) is a research centre focussed on the economy, borders and identities, the environment and regional geopolitics of the wider Himalayan region including the Hindu Kush and the Karakoram. This critical mass of scholars of and from the region will redress the longstanding neglect or asymmetrical representation of the Himalayas and beyond, in knowledge, discourse and policy interventions. It also aims to develop and utilise strong links with the policy community and government agencies in a mutually supportive exercise.

The centre was inaugurated on January 24, 2023.

The Centre reflects the University's global outlook and ambitions, focusing on engaging researchers with niche or specialised interest in the wider Himalayas, and identifying and creating a network of scholars in the field, both in India and externally, to support its work. This critical mass of scholars of and from the region will redress the longstanding neglect or asymmetrical representation of the Himalayas and beyond, in knowledge, discourse and policy interventions. It also aims to develop and utilise strong links with the policy community and government agencies in a mutually supportive exercise.

The Centre attempts to fill gaps in both academic and policy spaces. This leadership role is in keeping with the University's identity and goals of promoting innovation, creativity and interdisciplinary engagement in the field of Indian education. The Centre offers the faculty and students opportunities to collaborate with counterparts from across the wider Himalayan region as well as those working on the region from elsewhere in the world.

## HIGHLIGHTS

- **March 17, 2023** – The first Seminar was organized, Dr. Mari Miyamoto, Associate Professor, Faculty of Business and Commerce, Keio University, Japan, made a presentation spoke on the theme 'A Study on the Elimination of Animal Sacrifice and the Development of Tsethar Rituals in Bhutan'.
- **April 3, 2023** - The CHS organised a joint seminar with the IRGS Department on the theme "India-China- Nepal: A Himalayan Triangle". Mr. Amish Raj Mulmi, journalist and author of All Roads Lead North: Nepal's Turn to China made a presentation on the theme and also had a discussion on his authored book "All Roads Lead Noth: Nepal's Turn to China.

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# **RESEARCH EXCELLENCE**

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# RESEARCH GRANTS AND PATENTS

## GRANT RECEIVED IN THE YEAR 2022-2023:

Extramural Research Funding – Total 34 research projects activated with approved cost of Rs. 6.36 crores

## PATENT RECEIVED IN THE YEAR 2022-2023:

One U.S. Patent Granted on 10.01.2023; Patent No. 11549157; Application No. 16/631,356

Patent applications filed in the year 2022-2023: 17

## CONSULTANCY

Consultancy projects activated in the year 2022-2023:

A total of 5 consultancy projects activated with approved cost of Rs. 48.85 lakhs



# PUBLICATION PROFILE

Faculty publications outside SCOPUS

**315**

Faculty publications in SCOPUS

**426**

	In Scopus	Outside Scopus
Books	1	11
Book Chapters	2	34
Editorials/Reviews/Communication	16	60
Research Articles	340	33
Screenings/Performances		5
Exhibitions		12
Case Studies	8	6
Policy Papers		2
All others (conference/seminar/talk/creative projects etc)	59	152

	In Scopus	Outside Scopus
Creative fields, Humanities and Social Sciences	35	164
Management and Entrepreneurship	32	21
Engineering	172	71
Natural Sciences	181	59
Others	6	



# EVENTS PROFILE

Awareness	6
Boot Camp	1
Business Plan Competition	1
Conferences	10
Demonstration Day	1
Development Programs	2
Exhibitions	9
Exposure Visit	4
Hackathon	3
Innovation Contest	3
Orientations Sessions	18
Seminars	264
Skill Development Sessions	14
Startup Conclave	2
Training	8
Webinar	17
Workshop	27
Others (Symposium/Mentoring Sessions/Motivational Talks/Open Houses/ Alumni Events/Student Events/Sports/Community Events etc.)	176



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**COLLABORATIONS  
AND PARTNERSHIPS,  
INTERNATIONAL  
LINKAGES**

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# COLLABORATIONS AND PARTNERSHIPS

Shiv Nadar University, Delhi NCR, an institution of eminence understands the importance of collaborations for research and academic excellence. As a young institution, we are focusing on increasing our collaborative base globally to achieve excellence at a global level.

This year 12 international and 10 domestic Memorandum of Understanding (MoU's) were signed for academic and research collaborations.

S.No.	Institution	Country	Type
1.	Aisan Institute of Technology Centre	Thailand	International
2.	Centre for Nineteenth-Century Studies, Durham University	England	International
3.	Drugs for Neglected Diseases Initiative DNDi, Geneva	Switzerland	International
4.	Gdansk University of Technology	Poland	International
5.	National Quemoy University	Taiwan	International
6.	Tamkang University	Taiwan	International
7.	University of Bologna	Italy	International
8.	University of California Berkeley	USA	International
9.	University of Finance - Marketing	Vietnam	International
10.	University of Wisconsin-Madison	USA	International
11.	Van Laang University	Vietnam	International
12.	360info.org is an initiative of Monash University	Australia	International

S.No.	Institution	Country	Type
1.	IIT-BHU	Varanasi	Domestic
2.	CII - Total Cost Management Division	Hyderabad	Domestic
3.	DRIIV Foundation	Delhi	Domestic
4.	Indian Institute of Science Education and Research	Pune	Domestic
5.	National Maritime Foundation	New Delhi	Domestic
6.	The Habitats Trust	Noida	Domestic
7.	SSN Trust	Chennai	Domestic
8.	Shiv Nadar University Chennai	Chennai	Domestic
9.	HCL Tech	Noida	Domestic
10.	Indian Institute of Corporate Affairs (IICA).	Gurgaon	Domestic

## STUDENT MOBILITY

We believe that an important aspect of the student life cycle is student mobility – experiencing the academic environment in an institution which is culturally and ethnically different than the one where the student is studying enhances important life skills. Student Mobility helps a student to explore his/her full potential in an uncharted territory.

## OUTBOUND STUDENT MOBILITY:

24 outgoing students

### FALL 2022

- 3 students went to National Quemoy University, Taiwan.
- 2 students were selected for NTU India Connect program, they spent a fully funded (sponsored) semester at Nanyang Technological University.

### SPRING 2023

- 7 students were selected and attended the prestigious Global Young Scientists Summit (GYSS 2023) in Singapore.
- 3 students received the Future Research Talent, Australian National University award and attended a fully funded ((sponsored) research semester at Australian National University.

### SUMMER 2023

- 3 students received the MITACS Globalink Internship award for a fully funded research internship in Canadian universities
- 3 students did summer abroad programme at the University of Wisconsin Madison
- 2 students did the research internship at the University of Alabama
- 1 student did a research internship at the John Hopkins University

## GLOBAL IMMERSION PROGRAM

This year 25 first year students of the Master of Business Administration program participated in the Global Immersion program curated by Ureka Education at Dubai. The students had an opportunity to work on an international strategic consulting project, participate in Dubai business challenge, visit the region's largest startup campus housing 800+ companies from 70+ countries and also engage with startup ecosystem and discover opportunities for Indian students.

## INBOUND STUDENT MOBILITY:

4 incoming students

### MONSOON 2022

- 1 student from University of Sapienza, Rome, Italy

### SPRING 2023

- 1 student from University of Bologna, Italy

### SUMMER 2023

- 2 students from Wesleyan University, USA

## ACTIVITIES

- The university hosted delegations from 27 international universities and institutions
- European Research and Higher Education Day' was organized on November 17, 2022, counsellors from 11 European countries participated in the same.
- On June 26, 2023, the university hosted a delegation of 21 Executive Doctoral students from the University of Pennsylvania, USA.

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# SECTION 5

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# STUDENT BODY ACTIVITIES AND ACHIEVEMENTS

Finally, after a gap of 2 years (COVID years) our student body was finally in its full bloom. The year saw events and activities which were not only focused on exploring the full potential of our students academically and culturally but also developing them into an empathic and socially conscious student community.

Snapshot of some events/activities in 2022-2023

## **INSPIRIA CORPORATE MONOPOLY**

Inspiria is the Business Society of the University. Corporate Monopoly is the flagship event. It goes beyond the traditional "Buy and Sell" strategy to include real-world challenges and opportunities that businesses face every day. Participants go through experiential learning as they use their wits and tricks to acquire offices and headquarters of the giants of the corporate world. This year the 2-day event had over 75 teams, 150+ enthusiastic participants, and 3 ultimate winning teams.

## **HORSE RIDING AT SHIV NADAR UNIVERSITY**

Horse Riding Facility in Shiv Nadar University is one the USP, which no other university, other than Army Institutes and some Sports schools provide; that too with free of cost The Horse Riding activity was inaugurated by a flagship event on August 15th, 2022 with a Horse Rally on the eve of Independence Day and "Azaadi ka Amrit Mahotsav".

## **PARTICIPATION IN THE THE WORLD ROBOTICS CHAMPIONSHIP 2022 ORGANIZED BY TECHNOXIAN**

The World Robotics Championship 2022 was organized from August 21-22, 2022. It brought over 3000 teams from over 55 countries worldwide together. Teams from top universities and colleges showcased their strategy and teamwork at this global event. Our Team Roboyantriki from participated in the Drone Challenge and bagged Second Runner up globally and their drone was titled as the most stable drone of the event by the judges.

## **SMART INDIA HACKATHON 2022**

The Smart India Hackathon 2022 was organized by Ministry of Education (MoE), Government of India from August 25-26, 2022. The Problem Statement was offered by the Ministry of Home Affairs (MHA), Government of India; it was about creating visualization tools to display crime trends across different police jurisdictions. Our team of students (Pranav Soni, Aakriti Mehta, Aman Yadhav, Anshit Bansal, GS Sasank and Kritika Misra) were awarded first runner up.

## **COMMUNITY SERVICES AND OUTREACH, INITIATIVES**

Regular blood donation and health camps were organized for the students and the entire Shiv Nadar University, Delhi NCR community.

Other than these, many other events and initiatives took place during the year. Regular events like celebration of Republic Day, Independence Day etc. were done for the entire community. Various days like Yoga Day, International Women's Day etc. were also celebrated.

## **SOME STUDENT ACHIEVERS**

Ananya Gupta, was declared the first runner up at the National Microsoft Azure women hackathon 2022.

J Prathosh Iyer, won the Best Delegate-AIPPM-for representing Himanta Biswa Sarma at National Zenith MUN.

### **Anjali Semwal**

- won the 2nd position at the National Games 2022 in Squash.
- winner at the Century Squash Bangalore Open

### **Sunita Patel**

- won 2nd position at the Century Squash Bangalore Open.
- won 2nd position at the Aurobindo Realty Telangana open squash tournament.
- won 1st position at the Maharashtra State Closed Championship in Squash.
- won the 2nd position at the National Games 2022 in Squash.



# ALUMNI

Total alumni strength – 4242

Geographical distribution

India – 3051

Abroad – 1191

Professional demographics

Working – 3205 (75%)

Entrepreneurs – 80 (2%)

Pursuing higher education – 686 (17%)

Preparing for competitive examinations – 271 (6%)

# HIGHLIGHTS

## THE ANNUAL HOMECOMING – ALUMNI MEET 2022

The Annual homecoming – Alumni meet 2022 was held from December 16-17, 2022. More than 200 alumni from close to seven batches came back to the campus. The meet was everything that memories are made of – the homecoming parade, the group photographs, address by the Vice Chancellor, panel of our alumni Vinay Kumar, Rangana Kalia, Bharti

Nandwani, Achal Awasthi, Devashish Goyal, Vineet Chatterjee, Paridhi Sood sharing their campus experiences and gala night.

## ALUMNI ACCOMPLISHMENTS: 2022 - 23

Tanya Joshi, MS Economics class of 2019 has been appointed as RBI GRADE B Officer, a rank of Manager in General Stream. She secured an All India Rank 14 in the entrance examination for the said post.

Aditi Jain (M.Sc. Economics, Class of 2016, has been promoted to the profile of Senior Consultant at Ernst & Young.

Rakesh Munnanooru Class of 2015 B.Tech. Computer Science and Engineering – Founder and CEO of Whistle Drive which was felicitated by the Telangana Chief Minister K. Chandrashekar Rao at the launch of T-hub 2.0 Hyderabad.

Ishani Jamwal (Class of 2020) was selected by Indian Mountaineering Foundation to be part of the first-ever women's team for the Mt. Kun expedition. She successfully summited the 7700 m peak on September 4, 2022.

# GREEN INITIATIVES

Sustainability is at core for Shiv Nadar University, Delhi NCR. Our unwavering commitment to Sustainable Development Goals has ensured that we incorporate these ideals in our institutional practices, academic mission, and partnerships. The overarching Agenda 2030 and Sustainable Development Goals (SDGs) framework has driven the university to leap into the sustainability movement. We are integrating the idea of sustainability on campus in many ways – teaching and learning, research, institutional practices, and partnerships.

Almost every university department offers sustainability courses and has faculty members researching these topics. Two of the priority research areas for the University are environment and energy. We have the 300-acre biodiverse campus, which serves as a “living lab.”

The University is home to over 10,000 trees, 700 unique plant species, 125 bird species, and much more. In addition to preserving our campus’s biodiversity, we have taken significant steps toward environmental sustainability. It includes solar initiatives, the sewage treatment plant, composting of biowaste, and energy conservation measures.

The University’s unique Thematic Botanical Garden, only the second in India, is an essential milestone in conserving our valuable germplasm for study, research, and general awareness.

This Thematic Botanical Garden in the University, undertaken after eco-restoring degraded wetlands, is spread over an area of 4.2 hectares (10.4 acres). The garden has 3000 plants in the main garden and 12 theme gardens belonging to 805 taxa (691 plant species, two subspecies, and 112 varieties, including hybrid and cultivated varieties).

## ROBUST ENVIRONMENT, HEALTH, AND SAFETY (EHS) POLICY

The University has an active and robust EHS policy to embed sustainability in its institutional practices. The policy aims to make effective and efficient use of university resources; minimize any adverse environmental impact; comply with relevant legislation and encourage the university community to develop a sustainable approach to their work and lifestyle. The EHS policy applies at each stage of development of academics and extracurricular activities and services, from research to full-scale operation, in all its domains. It applies to every step in the life cycle of the process and services, i.e., a cradle-to-grave assessment. Recognizing our community as an essential asset, we are committed to providing safe and healthy working conditions for students, teachers, researchers, staff, and campus visitors.

## ENERGY, WATER, AND FOOD WASTE MANAGEMENT

The University has initiated concrete measures to monitor and reduce carbon footprint on campus. For example, saving energy, water, and paper; reducing food wastage; organic food practices; increasing alternative energy; running sustainable transport, concrete steps to a no-plastic campus, tree plantation, and water conservation, to name a few. We have collaborated with the Shiv Nadar Foundation to develop a comprehensive ESG framework for the university and launch programs in this area.

## SUSTAINABILITY THROUGH PARTNERSHIPS

While spearheading sustainability on campus and in the adjoining community, we intend to take the lead in SDG 17 by collaborating actively with higher education institutions, organizations, and the community to facilitate knowledge transfer, research, and good practices.

- The Department of Chemical Engineering has collaborated with local industries, including Kawatra paper mills, Dadri, Kings International Ltd, Unnao (Leather industry), and nearby restaurants, to help them find sustainable and eco-friendly solutions for waste management and convert waste into energy.
- The Department of Civil Engineering has established the Agricultural Water Management field laboratory to address critical issues in agricultural water management and the food and water security nexus. The Ministry of Water Resources and the Ministry of Agriculture & Farmers' Welfare, Government of India, have marked these research areas as of national importance. These areas are also aligned with the focus of the government's national missions on more crops per drop (increasing water use efficiency), har khet ko pani (increasing the cultivated area under irrigation), and Goal 4 (Improving water use efficiency by 20%) and Goal 5 (promotion of basin level integrated water resources management) of the National Water Mission. The Government of India and the University co-funded the lab to serve as a state-of-the-art research facility in water management. It has an extensive crop experimentation facility equipped with a drip irrigation system and research equipment for monitoring crop and soil parameters. Work is underway to develop a farmer laboratory for soil and irrigation water testing and dissemination of weather data for use by local farmers. Also funded by the Government of India, the lead faculty is developing AI-based decision-support systems for improved water use efficiency under a regulated deficit drip irrigation regime in the backdrop of climate change. This project will provide water-saving solutions for the two widely grown and consumed crops, rice and wheat.

## HIGHLIGHTS 2022-2023

Shiv Nadar University joined the league of Higher Education Sustainability Initiative (HESI) community. We got selected for HESI Partner program. The aim of HESI Partner Program (HPP) is to connect higher education institutions, networks and student organizations to create a community of shared learning in support of SDG integration into higher education and to facilitate transfer of knowledge.

We have started to document the journey of the University towards contributing to SDGs, including the highlights of learning, research, partnerships, and institutional practices. We started a page on website on Sustainability and uploaded the on-going activities - <https://www.snu.edu.in/sustainability>.

This year we reported 8 Sustainable Development Goals. All reports have been uploaded on our sustainability page on website - <https://www.snu.edu.in/sustainability/>

- SDG 2: Zero hunger
- SDG 3: Good health and well-being
- SDG 4: Quality education
- SDG 6: Clean water and sanitation



- SDG 7: Affordable and clean energy
- SDG 13: Climate action
- SDG 14: Life below water
- SDG 15: Life on land

The University was selected be a part of National Movement of Net Zero university campus. Recognized as U75, this movement of Carbon Neutral Campus has been launched on the 75th Anniversary of India's Independence -Azadi ka Amrit Mahotsav. The movement is inspired by Hon'ble Prime Minister Narendra Modi's Mission LiFE and his declaration of making India Net-Zero. The movement of U75 is supported by AICTE, UGC, Niti Aayog, Ministry of Power, Ministry of Environment, Forest and Climate change.



# DADRI DEVELOPMENT PROJECT – COMMUNITY INITIATIVE

The Dadri development project (DPP) is a roadmap of how the University can participate in the progress of the community in which it is located. This commitment is shared by the university leadership, staff, and students and is instilled in the core of the University's academic mission.

Dadri Development Program aims to comprehensively develop the Dadri Block in Gautam Buddha Nagar District, Uttar Pradesh. Aligned with the CSR (Corporate Social Responsibility) Policy, it has crafted a community development program for the Dadri Region. DDP's goal is to instigate positive transformation within communities, fostering healthier, empowered, and resilient societies in Dadri.

This initiative targets the diverse needs of the community in Dadri block, Gautam Buddha Nagar, striving to create an environment that provides many opportunities for a better quality of life. The strategy involves well-considered, need-based interventions with multi-stakeholder engagement, implemented in phases, supported by thorough evidence, and subjected to rigorous monitoring and evaluation. Key focus areas currently encompass:

- Education (School /community Sports),
- Healthcare,
- Skilling Livelihood,
- Agriculture,
- Social Safety (with a special emphasis on women),
- Nature conservation

These components collectively contribute to the holistic growth of the Dadri community.

The Dadri development project (DPP) related projects (both health campaigns, Khelo Dadri pilot) on-ground activities were launched in May 2023.



RESEARCH BLOCK

# SHIV NADA

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