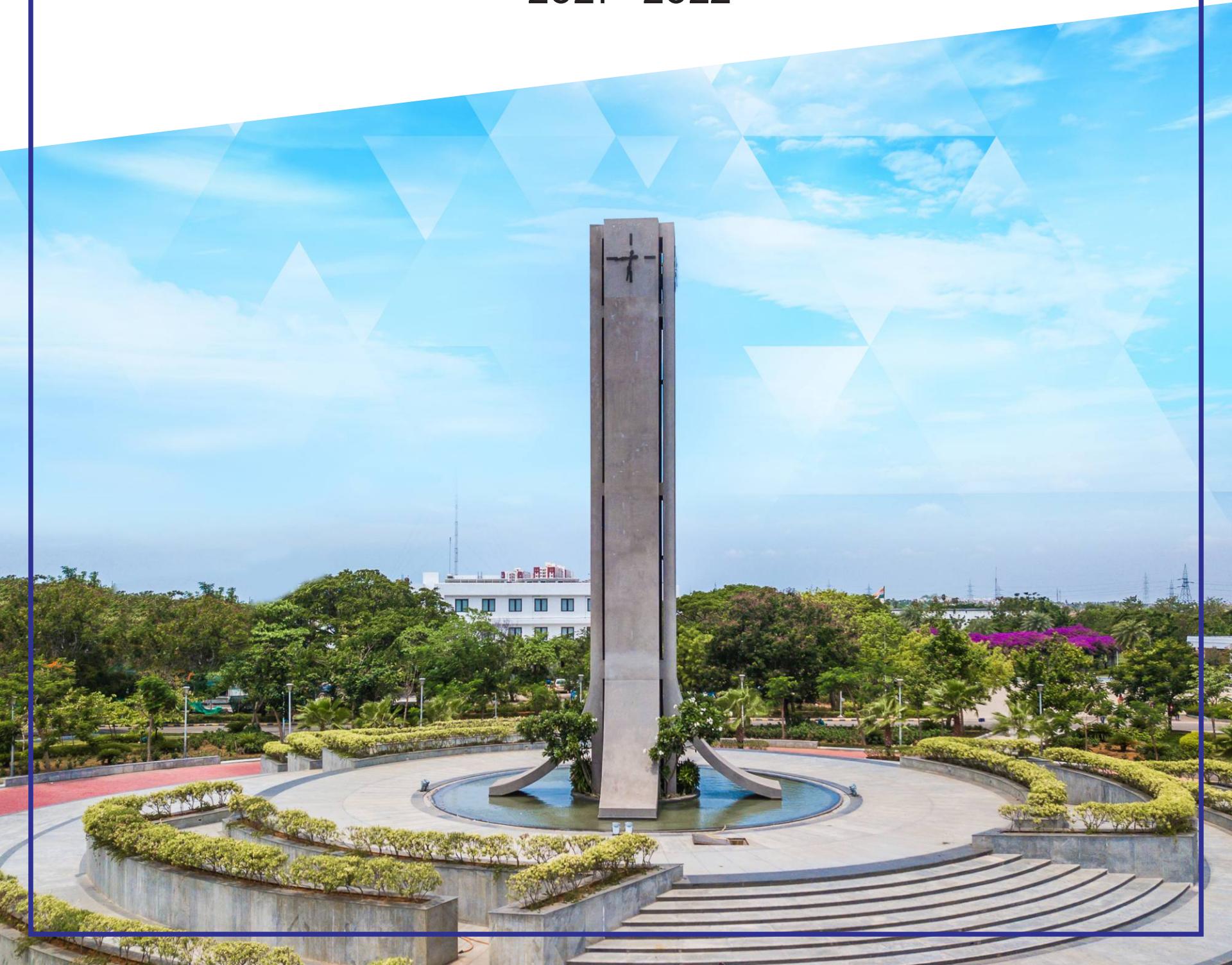


SHIV NADAR
UNIVERSITY
CHENNAI

2021 - 2022





Why Shiv Nadar University Chennai?

Be ready for tomorrow's world

The impact of AI, Data Science and IOT in transforming the workplace of the future is undeniable. Future workforce requires individuals who can work closely with technology & data to solve complex problems in various industries. Projected demand for AI, Data Science and IoT professionals by **2030 will be 3.5 million***. Our B.Tech programs are specially designed to make you excel in Big Data Analytics, AI and IoT by fusing deep academic knowledge with practical purpose. What we are creating with our learning-by-doing approach are future data scientists, software engineers and analysts, readying them for solving challenges of tomorrow.

State of the art campus

Spread over 100 acres of academic and co-scholastic infrastructure, the campus at Shiv Nadar University Chennai is designed to provide its incoming batch with opportunities to learn, interact, play and grow into creative, curious and innovative individuals. The campus has a world-class library, high-speed Wi-Fi, cutting-edge research and computing facilities, and an auditorium with a capacity of 1000 seats.

The sports facilities on the campus include an Olympic size football ground, international size cricket field and indoor sports complex with basketball, squash and badminton courts. On-campus accommodation is built around convenience and comfort of the students and comprises separate air-conditioned hostel facilities for boys and girls along with dining facilities.

Eminent Mentors

Prof. C. Rangarajan, Former Governor, Reserve Bank of India and **Dr. Raj Reddy, Professor at Carnegie Mellon University, US** & one of the founding figures of AI engage in mentoring and advising the Shiv Nadar University Chennai, which is when they are not spearheading the frontiers of their fields.

Legacy of excellence

We are a part of the Shiv Nadar Foundation, one of the largest philanthropic foundations in India which has invested **over INR 6200 crores** in centers of excellence in education. More than **30,000 students and alumni** from these institutions are placed with leading global conglomerates and studying at international universities. It is this legacy that Shiv Nadar University Chennai intends to carry on by becoming a magnet for talent from across the country. As a student of the university you become a part of this growing legacy and benefit from its rich academic heritage.

Handpicked Faculty

We understand the academic imperative of staying relevant in this fast paced and transformative world. Stay ahead of the curve as you learn from our distinguished faculty from top-ranked research institutions. Keeping the students' future readiness at the heart of teaching, the faculty members are responsible for creating a thriving climate of innovation at the university.

Generous Scholarships

Shiv Nadar University Chennai strongly advocates meritocracy and believes that quality education should not be at the mercy of financial status. To make our courses accessible to every deserving candidate, we give out scholarships to qualifying aspirants in need of that slight nudge.

*Source: Nasscom <https://nasscom.in/knowledge-center/publications/talent-demand-supply-report-ai-big-data-analytics>

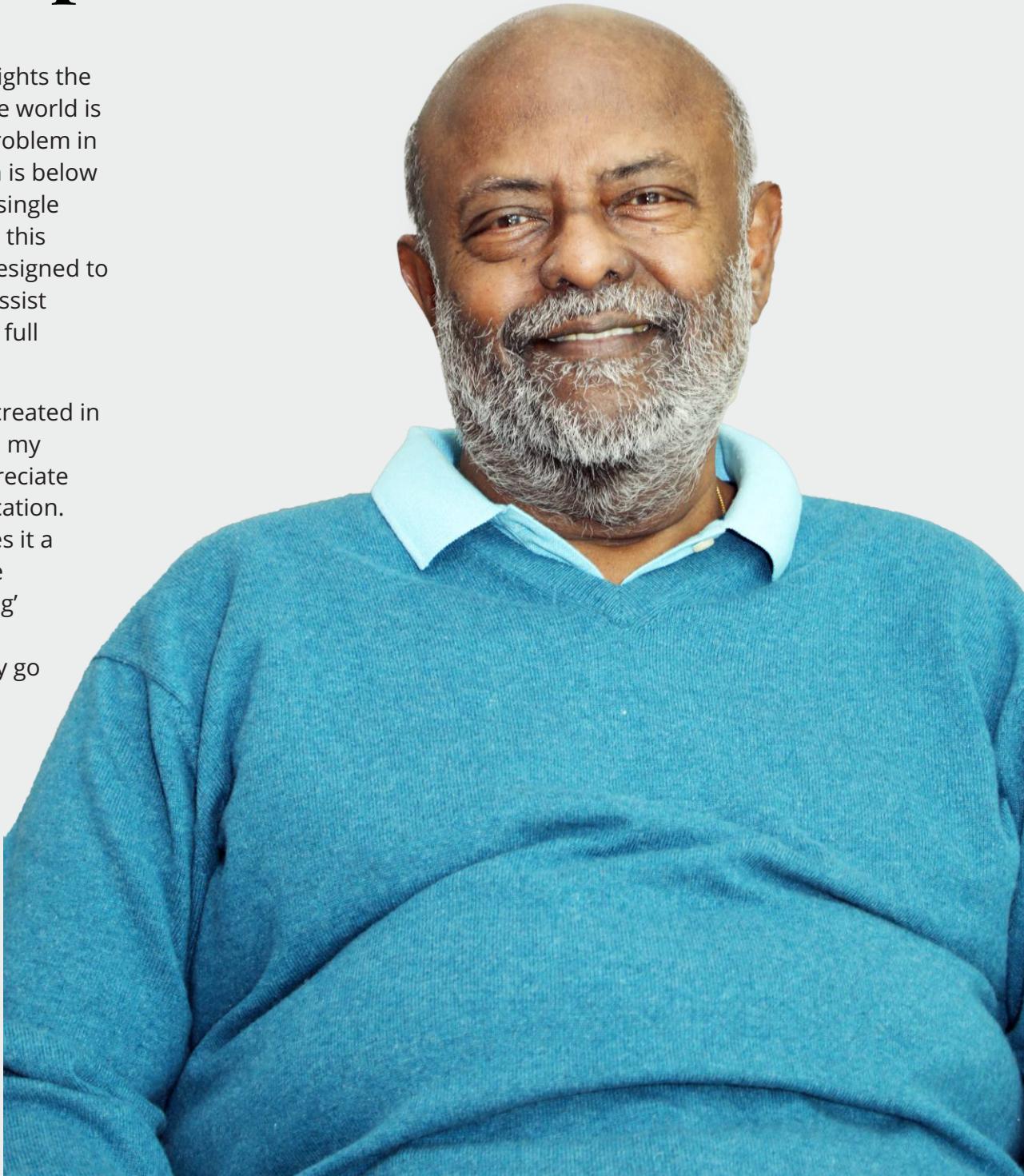
Message from the leadership

The World Inequality Report, 2018 highlights the rapid pace at which inequality across the world is increasing. This is a particularly acute problem in India, where over 50% of the population is below the age of 25. Education is perhaps the single most important input which can narrow this gap, and the Shiv Nadar Foundation is designed to create enduring institutions which will assist bright young students in achieving their full potential.

The latest of these institutions is being created in Chennai. Chennai has been very dear to my heart, and one of the aspects that I appreciate most is the culture of excellence in education. The high density of brilliant minds makes it a logical home for a global institution. The philosophy of 'simple living, high thinking' establishes an environment where solid academic rigour and boundless curiosity go hand in hand. Shiv Nadar University Chennai will draw strength from and strengthen this culture, and spread its light across the world.

Mr. Shiv Nadar

Founder, HCL Group, Founder & Chairman Shiv Nadar Foundation



2020 has been an unprecedented year in every way possible. However, it has also been a landmark year for me and everybody who has been part of conceptualizing a world-class institution of higher education, culminating into the momentous launch of Shiv Nadar University Chennai.



With the aim of establishing a distinctive footprint in the Indian higher education sector, the University will bring together established best practices and pioneering ideas to create an unparalleled environment for learning. As we move forward, we hope to offer courses that are innovative and are designed in-line with the evolving educational and professional requirements in India and internationally. We will adopt application-oriented learning as our pedagogical foundation and the very design of our University will be centered on promoting cross-disciplinary education and research. Over the next few years, our primary focus will be to build an active learning community comprising the brightest students, researchers, innovators and distinguished academicians.

It takes time to build an enduring institution and we have just crossed the starting line, but our vision is clear and we will continue to build on it as we move forward. As I look to the future, I am hopeful that over the coming few years Shiv Nadar University Chennai will establish itself as a leading global academic powerhouse that truly contributes towards the creation of new knowledge.

Mr. R. Srinivasan

Chancellor,
Shiv Nadar University Chennai

We believe every academician has a special responsibility to understand and address the needs of deserving students in order to help them achieve their true potential. As the Pro-Chancellor of Shiv Nadar University Chennai, I am grateful and excited to get the opportunity to do justice to this responsibility.

Shiv Nadar University Chennai is deeply committed to scholarly excellence. We have modeled our curriculum on global best standards with a strong emphasis on interdisciplinary research. We hope this will encourage collaboration among different schools, allowing the University to break disciplinary silos and institute a broad-based academic structure. We are investing significantly into developing our research infrastructure and academic prowess by inviting globally renowned academicians to join the ranks of our faculty. More importantly, we are committed to providing opportunities for holistic development to our students, so that no matter what field they choose to pursue, they mature into socially responsible future leaders.

The next few years will be a phase of hyper growth and activity for us as we work to provide greater academic freedom to our students. We will ensure that the courses we offer are relevant, engaging and support our vision. We hope you will partner with us on this journey and be a proud member of our shared legacy.



Dr. Kala Vijayakumar

Pro-Chancellor,
Shiv Nadar University Chennai

"Education is the manifestation of perfection already in man", is a famous quote by Swami Vivekananda. Shiv Nadar University Chennai, set up by the University Act 2018 by TN Govt. as the only State Private University in Tamilnadu, is ready to start its journey from the Academic year 2021 – '22 to nurture the young minds and to impart innovative education. Shiv Nadar University Chennai is committed to impart quality education and to produce quality human resources for the country. As the founding Vice-Chancellor, I am delighted to have an opportunity to nurture the young talents, to provide education to them.

Located in the sprawling campus of 230 acres at Kalavakkam, Chennai, the University is planning to emerge as a world class University with the highest quality of education to produce knowledge leaders of tomorrow to fulfil the needs of the country.

With the objective of producing best-in-class human resources, the University has decided to start with two schools namely School of Engineering and School of Commerce & Management. Each of the Schools, equipped with the department will be offering programmes in Computer Science & Engineering and Commerce. The academic curriculum is so designed as to give enough flexibility to the students to select programmes cutting across the departments, in line with the National Education Policy 2020 (NEP).

The University is all set to create an academic ambience that will nurture the creative, young minds in befitting manner and gives ample opportunities to express their cultural values and sportsman spirit through an environment, conducive to develop all-round abilities.

Fellow of Indian National Academy of Engineering (FNAE), Fellow of Indian Association of Structural Engineering, Fellow of Institution of Engineers (India)

Dr. Sriman Kumar Bhattacharyya

Vice Chancellor,
Shiv Nadar University Chennai





About Shiv Nadar University Chennai

Vision

A global university, focused on innovation, research, academic excellence and creativity, to develop socially conscious leaders capable of addressing future challenges.

The Shiv Nadar University Chennai is established by an act of the Tamil Nadu Legislative Assembly to promote, conceptualize and bring about a paradigm shift through the development of outstanding leadership, research, knowledge and ideas for education and allied development sectors. Shiv Nadar University Chennai is part of the Shiv Nadar Foundation that has a legacy of excellence of over 27 years in education with over 30,000 alumni & students and an investment of over Rs 6200 cr in building world-class institutions.

Nestled in the city of Chennai, which is known for its intellectual environment, the University is appropriately located to collaborate with industry, academia and Government for co-creation of knowledge and career opportunities. The university with its on-campus research capabilities and the mindset to nurture individuals into problem-solvers of tomorrow is staged to become the epicenter of academic rigor and innovation.

In its first year, the Shiv Nadar University Chennai is offering the following programs:

- B.Tech AI & Data Science
- B.Tech CSE (IoT)
- Bachelor of Commerce (Professional Accounting)
- Bachelor of Commerce

The Shiv Nadar University is a part of the Shiv Nadar Foundation. The Shiv Nadar Foundation is one of the largest philanthropic foundations in India and was established in 1994 by Shiv Nadar, Founder, HCL - a US\$ 10 billion leading global enterprise. The Foundation has helped students to reach leading international institutions such as MIT, Harvard, CMU, Oxford, Johns Hopkins, Stanford, Virginia Tech, Purdue University etc. for higher studies. Graduates from the Foundation's institutions are working for globally leading companies such as Amazon, Dell, Adobe, Microsoft, IBM, Google, Facebook, Apple, and many more.

Schools and Programs

School of Engineering

Shiv Nadar University Chennai offers two B.Tech programs – Computer Science & Engineering (IoT) and Artificial Intelligence & Data Science. These two programs are mutually reinforcing. The former is about connecting billions of devices while the latter is about managing and leveraging the huge amount of data that is generated thereof. The School acts as a launching pad for careers in these emerging areas that are expected to influence and impact the way the world will work in the coming decades.

The School focuses on creating future data scientists and analysts by enabling students not only to master the technology through education and research, but also by inculcating in them relevant industry specific skills through practical exposure to anticipate and learn newer ones as they emerge rapidly. The school has within its campus an ecosystem of learning by doing and is brimming with innovation, research and academic rigor.



B.Tech AI & Data Science

By 2025, it is estimated that 463 Exabyte of data will be created each day globally – which is equivalent of 212,765,957 DVDs per day! By using a combination of Artificial Intelligence and Data Science, businesses will increasingly base their decisions on the data derived. Artificial Intelligence and Machine Learning have made it possible to solve challenging problems in the area of image analysis, language translation and speech recognition with phenomenal accuracy. This has generated significant interest in devising and deploying AI and ML based solutions in most of the industry verticals. The program will aim at training the students through hands-on experience in deep learning and analytics generated by machines and their application in various industries such as Health-care, Finance, Retail, Energy, Manufacturing, Transportation, Pharmaceuticals, Agriculture and Education.

Program Highlights

1. Inculcate strong mathematical foundations (Advanced probability & statistics)
2. Rigorous practical skills in multiple programming language environments. (Python, Java, Machine learning, Data learning)
3. Extensive knowledge in Artificial Intelligence & Big Data Analytics
4. Semester long capstone project on a real life data analytics project

B.Tech CSE (IoT)

Internet of Things (IoT) is among the newest innovations in the area of Computer Science and Information Technology. It is estimated that by 2025, there will be 50 billion devices connected over the world wide web. IoT will have an enormous impact on how we interact with basic everyday objects. For those of you who have innovative thinking and creative abilities and are looking for an exciting environment driven by innovation, a career in IOT is quite promising. The program aims at tapping into your natural curiosity and problem solving abilities using technology and shaping it into relevant skills through in-depth knowledge impartation and hands-on problem solving experiences.

Program Highlights

1. Practical skills in computer science, IoT, security, web technology, communication protocols, data management & application of intelligent algorithms.
2. Development of IoT products and services alongside the devices for sensing, actuating, processing and intercommunication
3. Application of IoT in various sectors like Industry, Energy, Retail, Healthcare, Automation, Robotic Things, Green infrastructure etc.

Head of Department

Dr. T. Nagarajan

Head of Department, School of Engineering

Experience: 30+ Years of Experience (Ph. D - Computer Science and Engineering, IIT Madras)

- Chief Minister's Award for Tamil Computing for the year 2019, for building a lightweight HMM-Based speech synthesizer and developing various applications.

Schools and Programs

School of Commerce & Management

The School offers two courses in the domain - Bachelor of Commerce (Professional Accounting) and a Bachelor of Commerce with specialization tracks. The former through rigorous yet systematic academic training, will make the students academically ready to appear for the Institute of Chartered Accountants of India (ICAI) examinations. Academic rigour combined with application in real-world

situations will form the cornerstone of the programs offered by the School. The program focuses on developing competencies in functional areas by developing in the students analytical skills and in-depth application of concepts, tools and techniques in solving real world problems.



Bachelor of Commerce (Professional Accounting)

A three year program, B.Com (Professional Accounting) is ideal for students who have made the decision to pursue a career in accounting and finance. If you aim to acquire professional designations such as CA, CWA, CMA, this course is for you. Going a step ahead, we have benchmarked the program to CA syllabus so that your career path ahead is a smooth one. With strong emphasis on industry learning, the program offers you accounting internship so that you learn how to solve real world accounting problems whilst you finish your education.

Program Highlights

1. Focuses on providing the graduates with specialized skill sets and professional competency in areas of accounting and finance.
2. Benchmarked to the CA syllabus (both intermediate and final examinations) of ICAI while fulfilling the requirements of UGC.
3. Students in their sixth semester to engage in internship and project work with professional accounting firms

Bachelor of Commerce

The program is designed for the students who wish to make a career in finance, banking and insurance – broadly in the finance sector. The program aims at making students well versed in contemporary commerce which includes the disciplines of accounting, quantitative methods, finance and data analytics and data mining. The program with its unique experiential pedagogy of learning while doing, imparts the skill set and the competency required for students to become well rounded in analytical and financial domain and be able to apply and solve real world financial issues and problems.

Program Highlights

1. Three tracks of specialization for in-depth knowledge. Currently, the tracks planned are Management Track, Finance Track and Analytics Track.
2. Teaching methods will include lectures, case studies, group and individual projects and simulations.
3. Learn from highly qualified faculty from Commerce, Economics, Mathematics and Computer Science departments. Practitioners to lead the way for specialization courses.
4. Graduates will be fully equipped if they wish to pursue professional programs like MBA

Head of Department

Dr. S. Gurusamy

Head of Department, School of Commerce and Management

Experience: 38+ Years of Experience (Ph.D - Industrial Development, University of Madras)

- Honored with the 'Academic Achievement Award – 2012', by the University of Madras
- SMART Journal Distinguished Life Time Achievement Award, 2020, by the Bharathidasan University.

Life At Shiv Nadar University Chennai





Clubs and Recreation

The campus life at the university is reflective of our ethos of diversity where you live, play, learn and interact with brilliant minds from within and neighboring communities. As the founding batch, you will get the chance to create new clubs and an array of opportunities for intellectual stimulation.



Hostel Life

Hostel life is an integral part of the Shiv Nadar University experience. This is why the on-campus housing and living experience is mindfully designed to create a space where you learn in the comfort and safety of separate self-contained facilities for girls and boys, along with dining options.



Sports Facility

With emphasis on fostering values such as leadership, teamwork, discipline and keeping overall wellness of the students in mind, the university provides the best-in-class sports facilities. These facilities boast of honing skills of Arjuna awardees R.Ashwin and Anaka Alankamony and many others state and national level players.



Academic Infrastructure

Students have a 24*7 access to cross-campus Wi-Fi, a well-stocked library, and state-of-the-art research and computing resources. They can supplement learning with a variety of interactive online courses.



Health & Wellness

The wellness of students is our priority and therefore the University provides the services of a resident campus doctor, along with round-the-clock emergency support, an extensively stocked campus pharmacy, and fitness clubs.

Transport

Getting to the city is never a problem. The University supports day scholars staying in the city by providing regular bus services to and from the campus, extending to every corner of Chennai city.

Key Faculty



Dr. T. Nagarajan

Head of Department, School of Engineering

Experience: 30+ Years of Experience (Ph. D - Computer Science and Engineering, IIT Madras)

- Chief Minister's Award for Tamil Computing for the year 2019, for building a lightweight HMM-Based speech synthesizer and developing various applications.



Dr. Prita Nair

Professor, Department of Physics

29 years of experience

- PhD from Indian Institute of Technology, Madras, (IIT-M)
- M.Sc. from Cochin University of Science and Technology (CUSAT), Kerala



Dr. S. Gurusamy

Head of Department School of Commerce and Management

Experience: 38+ Years of Experience (Ph.D - Industrial Development, University of Madras)

- Honored with the 'Academic Achievement Award – 2012', by the University of Madras
- SMART Journal Distinguished Life Time Achievement Award, 2020, by the Bharathidasan University.



Dr. P. Venugopal

Associate Professor and Head of the Department of Mathematics

23 years of experience

- B.Sc., M.Sc., and M.Phil. from St. Joseph's College, Trichy
- Ph. D from Loyola College, Chennai
- He has received BEST TEACHER AWARD from SSN Institutions thrice nearly three times.
- Received "REV. FR. RACINE AWARD" from Loyola College, Chennai for the Best Research Student in the Department of Mathematics



Dr. Shrabani Mukherjee

Associate Professor, Department of Economics

16 years of experience.

- Ph.D in Rural Financial Markets, Socioeconomics, Industrial Economics from JNU, New Delhi
- M.Phil from the Centre for Economic Studies & Planning (CESP), School of Social Sciences, JNU, New Delhi
- Previously worked as a consultant to The Economic Advisory Council to the Prime Minister GOI and also as a Senior Consultant with PwC Consulting



Dr. R. Sujatha

Associate Professor, Department of Mathematics

21 years of experience.

- M.Sc. from the Indian Institute of Technology, Madras (IITM)
- M.Phil from the Ramanujan Institute for Advanced Study in Mathematics, University of Madras
- Ph.D. from the Indian Institute of Technology, Madras (IITM)



Dr. Deepesh Chandrasekharan

Assistant Professor, Department of English

15 years of experience.

- Post-graduate degrees in Linguistics from JNU, New Delhi and English from University of Madras
- PhD in English Language Education from the EFL University, Hyderabad.
- Selected for US State Department's International Visitor Leadership Program (IVLP) fellowship based on the theme, 'Implementing National English Curricula in Multilingual Contexts'



Dr. Cherry Matthew Phillipose

Assistant Professor, Department of English

- MA English Language and Literature from the distinguished Mahatma Gandhi University, Kottayam with a university first rank
- Post Graduate Diploma in the Teaching of English as well as MPhil English (English Language Education – ELE/ELT)



Dr. Sundharakumar KB

Assistant Professor, Department of Computer Science Engineering

- Ph.D in Machine Learning from Anna University
- B.Tech (Information Technology) and M.Tech (Information Technology) from SSN College of Engineering
- Research interests include Machine Learning, Deep Learning, Big Data Analytics, NoSQL databases.



Admission Process



It is mandatory for the applicant to appear for SNU C entrance exam.



After registering you get an option to book a slot for either of the two dates on which the entrance exam is scheduled. Any applicant can appear in only one of the slots



First exam will be conducted on the 17th of May 2021, last date to apply is 10th May 2021



Second exam will be conducted on the 24th of May 2021, last date to apply is 18th May 2021



Personal Interview:
Candidates shortlisted based on the entrance exam will be interviewed by a panel of experts.



Interview Dates: 21st May (for the exam conducted on 17th May) & 28th May 2021 (for the exam conducted on 24th May 2021)



Merit list to be announced on 4th June 2021



Final admission will be subject to fulfilling the eligibility requirements by the candidate at the time of admission.

Eligibility

Nationality	Resident/Non-resident Indian Nationals/PIO are eligible to apply. Foreign Nationals can apply directly clearly mentioning the same category in application form.
Qualifying Exam	The final examination of the 10+2 system of Higher Secondary Examination conducted by the State Board, Central Board of Secondary Education (CBSE, New Delhi), The Council for Indian School Certificate Examination (ISCE, New Delhi) Intermediate or Two-year Pre-University Examination conducted by a recognized Board / University High School Certificate Examination of the Cambridge University or International Baccalaureate Diploma of the International Baccalaureate Office, Geneva
Marks Required in Qualifying Exam	Candidates should have secured a minimum aggregate of 75% in the qualifying examination.
Year of Passing	Candidates should have passed the qualifying exam or should be appearing for it in 2021.
Mandatory Subjects	For the B.Tech programs: Mathematics, Physics and Chemistry are mandatory subjects For the B.Com program: Mathematics or Business Mathematics should be one of the subjects For the B.Com (Professional Accounting) program :Commerce, Accountancy and Mathematics are mandatory subjects

Important Dates

Application form opens 21st April 2021	Last Date to register for entrance exam 18th May 2021	Entrance exam 17th May 2021 & 24th of May 2021	Personal Interview 21st May 2021 & 28th May 2021	Merit list announcement 4th June 2021
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Fee Details

1.0 Application Fees	Rs 1000 (Non-refundable)
2.0 Tuition Fees (for both B.Tech and B.Com programs)	2.1 Tuition Fees for Indian Nationals: Rs 2,25,000 (per annum) 2.2 Tuition Fees for NRI Students: Rs 3,25,000 (per annum) 2.3 Tuition Fees for Foreign National students: Rs 4,50,000 (per annum)
3.0 Admission Fees	Rs 5000 (One time)
4.0 University Caution Deposit	Rs 10,000 (One time, refundable)
5.0 Hostel Fees (Only for students who opt for hostel facility in campus)	5.1 Hostel Admission Fees: Rs 20,000 (one time, non-refundable) 5.2 Hostel & Mess Caution Deposit: Rs 7500 (one time, refundable) 5.3 Hostel room rent: 5.3.1 Shared Room: Rs 68,500 (per annum) 5.3.2 Single room without attached washroom: Rs 85,500 (per annum) 5.3.3 Single room with attached toilet: Rs 1,15,000 (per annum) 5.3.4 Air-conditioned single room without attached washroom: Rs 1,50,000 (per annum) 5.3.5 Air-conditioned single room with attached washroom: Rs 1,75,000 (per annum)
6.0 Transport Fees (Only for students who opt for transport facility)	Rs 60,000 (per annum)

Please note that there may be other living expenses that may vary from case by case basis such as laundry, food, etc. that are not covered in the above fee heads.



SNUCEE Exam Details

Entrance exam duration: two hours

Exam pattern: Test will encompass both aptitude (45 minutes) and core subjects (75 minutes)

All exams will be completely online. Applicants can appear from any place for these exams with a computer and reliable internet connection

B.Tech programs:

- Mathematics, Physics and Chemistry are mandatory subjects, with a weightage 50%, 25%, 25% respectively.

[Click here for syllabus](#)

B.Com and B.Com (Professional Accounting):

- Students of Commerce: 40% in Mathematics (for commerce), 30% in Accountancy and 30% in Commerce.
- Students of Science and Arts streams can also apply in Commerce stream.
- Students of Science will have to appear for Mathematics (for commerce), Physics and Chemistry. Weightage for these 40%, 30% and 30% respectively.
- Students of Arts stream will have to appear for Mathematics (for Commerce), Economics and General (English, Sociology, History), with a weightage of 40%, 30%, 30% respectively.

[Click here for syllabus](#)

SHIV NADAR

UNIVERSITY

CHENNAI

Shiv Nadar University Chennai
Old Mahabalipuram Road Kalavakkam – 603 110 Tamil Nadu, India

Email: admissions@snuchennai.edu.in

Phone Number: 04435069700

For admission enquiry, call: 1800 208 1199

Website: snuchennaiadmissions.com

