



SSN Institutions, founded by Dr. Shiv Nadar, Chairman, HCL Technologies, stands out as a premier center of higher learning with a mission of pursuing excellence in education and research. The institutions, with their diverse and dynamic community of students offer a distinctive combination of some of the finest graduate, undergraduate and research programs, accomplished faculty, world class facilities and a residential campus set on a sprawling 250 acres of sylvan surroundings. While students at SSN immerse themselves in academics, the college has a lot in store for them outside the classroom. Student life includes participation in sports, recreational & co-curricular activities and cultural events. As an exemplary institution of learning, SSN follows an admission policy that strongly favors merit, even as it enables access to education for students from all strata of society through appropriate scholarships. Total amount of scholarships given so far is around 64 crores. The Institution boasts of a strong alumni network with alumni events held every year serving as a platform for past students to give back to SSN and share their experiences with its present fellow students.

SSN is accredited by NAAC with A++ Grade (3.55/4.0), ISO9001:2015 certified, and ranked 37th & 78th in the NIRF 2019 under Engineering & overall category respectively.

VISION:
“To be a world class institution for technical education and scientific research for public good”

PG Programmes offered by the Department

- M.E. in Communication System
- M.E. in Applied Electronics
- M.E. in VLSI Design

Department of Electronics and Communication Engineering



- The Department of Electronics and Communication Engineering (ECE) was established in the year 1996 with the vision of developing the department as a Centre of Excellence in R&D, in the ield of Electronics and Communication Engineering and make the students blossom into meritorious and self-disciplined engineers by hard work.
- The mission of the department is to develop innovative and simple instructional material to drive the concepts into the minds of students and infuse scientific temper in the students and guide them towards research in communication engineering.
- The department is committed to nurture a group of competent teachers striving for excellence, be it in teaching or research and to develop collaborative research and development linkages with leading organizations in India and abroad. To accomplish this, Dr. Ian F. Akyildiz Ken Byers Chair Professor with the School of Electrical and Computer Engineering at Georgia Institute of Technology, has been appointed as distinguished visiting faculty who also offers two one credit courses to the under graduate and post graduate students of the department.
- Accredited by NBA (National Board of Accreditation) for a period of five years and is well equipped with the state-of-art laboratories.
- Multiple funded projects from several government funding agencies including DST, AICTE, NIOT, BRNS, ISRO, IGCAR, Tamil Nadu Forest Department, and AICRP. As on 2020, the department has successfully completed 21 projects worth Rs.3.63 crores and is currently executing 9 projects worth Rs. 2.7 crores.
- Recognized as a research center by Anna University, Chennai to pursue MS (By Research) and Ph.D. and has 121 research scholars including SRF, JRF, Fulltime scholars and part-time scholars working in various domains.
- Strong emphasis for student internship programme and industrial projects.
- Around 500 PG alumnus presently employed in various Core and IT industries.
- Research Assistant scheme with stipend of Rs.7000 for further enhancement of final year project .
- Students are trained in-house with cutting-edge technologies through the Tech Club.
- Special elective by faculty from aboard
- Internal project funding for product development or research to students by SSN trust for one year.

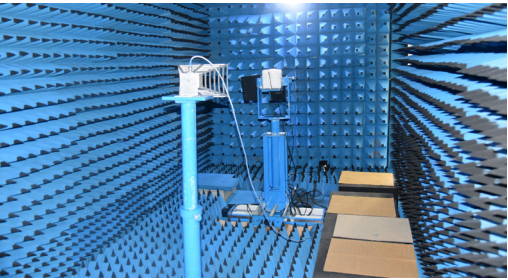
Credit Distribution for PG Program in ECE Department		
1	Fundamental Course	04
2	Professional Core Courses	30
3	Professional Elective courses	19
4	Employability Enhancement Courses	20
Total Program Credits		73

M.E. in Communication Systems

A two-year PG program offered to provide a broad knowledge and practical experience in Communication Systems with advanced topics in Antenna, Signal processing, Wireless with six areas identified for Professional electives handled by experienced Ph.D. qualified faculty members. The program boasts of an exclusive well equipped lab with state-of-the-art CST Studio Suite, MATLAB and computing facilities that is available to student use during regular and beyond regular course schedule. Students have access well equipped library with quality textbooks & reference books, and e-journals including IEEE, Elsevier, Springer, and others. The program allows students to complete their Master’s thesis internally under the guidance of our faculty or externally through Industry experts with a strong emphasis on research and development. Some of the major softwares used in the program are, MATLab, Intellisuite, COMSOL Multi-physics, HFSS, ADS & CST Studio Suite. Started in the year 2003 at the Department of ECE, this programme is accredited by NBA for 5 years.

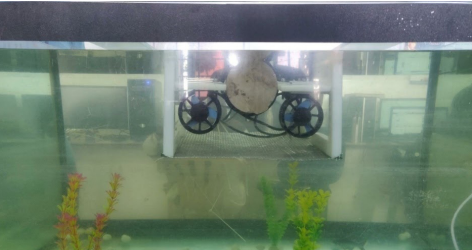
State of the art research labs:

- PG Simulation Laboratory
- RF & Microwave Testing Lab
- WSN and IoT Lab
- MEMS Lab
- Underwater Acoustic Research Lab
- Fiber Optics Laboratory



RF & Microwave Testing Lab

Underwater Acoustic Research Lab



M.E. in Applied Electronics

A two-year PG program offered to provide a broad knowledge and practical experience in Applied Electronics with fundamentals and advanced topics in Electronic system design, Signal & Image processing and Processors & Microcontrollers with six areas identified for Professional electives handled by Ph.D. qualified and experienced faculty members. The program boasts of an exclusive well equipped lab with state-of-the-art EDA tools, Electronic System Design Lab, Microprocessor and Microcontroller Lab, Intel sponsored “Embedded System Lab”, MEMS Lab, Underwater Acoustic Research Lab, Texas Instruments sponsored Digital Signal Processing Lab and embedded processor based development boards and computing facilities that is available to student use during regular and beyond regular course schedule. Students have access well equipped library with quality textbooks & reference books, and e-journals including IEEE, Elsevier, Springer, and others. The program allows students to complete their Master’s thesis internally under the guidance of our faculty or externally through Industry experts with a strong emphasis on research and development. Started in the year 2004 at the Department of ECE, this programme is accredited by NBA for 5 years.



Textronics Design & Development Lab

Gas Sensing Unit (MEMS Lab)



M.E. in VLSI Design

A two-year PG program offered to provide a broad knowledge and practical experience in VLSI Design with fundamentals in ASIC design, Digital and Analog design with six areas identified for Professional electives handled by Ph.D. qualified and experienced faculty members. The program boasts of an exclusive well equipped research lab, VLSI Lab, Intel sponsored “Embedded System Lab”, MEMS Lab, Microprocessor and Microcontroller Lab, Low Power Computing Lab with state-of-the-art EDA tools, FPGA & embedded processor based development boards and computing facilities that is available to student use during regular and beyond regular course schedule. Students have access well equipped library with quality textbooks & reference books, and e-journals including IEEE, Elsevier, Springer, and others. The program allows students to complete their Master’s thesis internally under the guidance of our faculty or externally through Industry experts with a strong emphasis on research and development. Started in the year 2011. Some of the major software used in the program includes CADENCE, Xilinx Vivado, Intel Altera, Agilent ADS, MATLAB, Intellisuite, COMSOL Multi-physics.

Institute and Industry Internships

To inculcate research practices in the student community, the department offers national and international internships in reputed Universities/Institutes and industries.

To name a few, the students of the department are encouraged regularly to take up international internships offered by universities in Italy, Japan, and USA.

- Brigham Young University, USA
- Keio University, Shonan Fujisawa Campus, Kanagawa, Japan
- German Jordanian University, Jordan
- University of Catania, Italy
- DIAT-Pune

The students are also taking up paid internship offers (up to a maximum of Rs. 35000 per month) from PSUs of the government of India and several other institutes of national importance during second year,

- CSIR
- TATA Elxsi
- Alcatel Lucent
- BigCat Wireless
- HCL Technologies
- TRANE Technologies
- Synopsys
- Aricent
- Testing and verification solutions Pvt Ltd
- GanitInc

2017-2019 Batch	Name of Intern	Company Name
M.E. (AE)	Shantha A	Society for electronic transactions and security
M.E. (CS)	Sukanya S	Alcatel Lucent Enterprise ALE India Pvt Ltd
M.E. (VLSI Design)	NadeenNaushad	Synopsys
	Praveen	Testing and verification solutions Pvt Ltd
	Priya	Aricent Technology
	Vigneshwari	Aricent Technology

2018-2020 Batch	Name of Intern	Company Name
M.E. (AE)	Ashwin Raj	HCL
	Raagavi B	TRANE Technologies
M.E. (CS)	Vikneshwar J	GanitInc
	Ananthi J	Alcatel Lucent Enterprise ALE India Pvt Ltd
M.E. (VLSI Design)	Jangam Pavan Kumar	Testing and verification solutions Pvt Ltd
	Vishniu KS	GanitInc

Eligibility and Scholarship offered to PG Programme

Admissions to all PG programs at SSN are offered purely on MERIT.

Scholarships are awarded to meritorious students under various categories

1. For GATE candidates (in addition to AICTE stipend)
 - i) Rs. 1,00,000 scholarship for 90 and above percentile
 - ii) Rs. 75,000/- scholarship for 80-89 percentile
2. Merit 100 % scholarships: Walk-in walk-out scholarships:
 - i) For University rank holders in B.E./ B. Tech.

Eligibility:

Candidates must have obtained their Bachelor’s Degree, appeared or appearing for the final year examinations of the qualifying degree from a University or a Professional Body approved or recognized by UGC / AICTE. Candidates with AMIE or equivalent can also apply.

For the academic year 2020-2021, Candidates appearing for the final year examinations – grades upto 7th Semester will be considered for provisional admission, due to Covid19.

Alumnus in Industry

- Qualcomm
- TataElxsi
- HCL
- WIPRO
- Cognizant Technology Solutions
- Hexaware Technologies Solution
- Alcatel-Lucent Enterprise
- Tata Consultancy Services
- Valeo India Pvt Ltd
- Triumph Solutions Private Limited
- Tessolve Semiconductor Pvt Ltd
- Renault Nissan technology and business Centre
- BigCat Wireless
- Sameer
- Synopsys
- Huawei
- Comcast Technology Solutions
- Wabco
- Microchip
- Intel
- Bosch
- Visteon

Contact Us

Admission/ General Queries

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For online application, Please visit us at <https://apply.ssn.edu.in/>