SNS COLLEGE OF ENGINEERING

Kurumbapalayam(Po), Coimbatore – 641 107
(Accredited by NAAC-UGC with 'A' Grade,
Approved by AICTE & Affiliated to Anna University, Chennai)

Promoted and run by

Sri SNS Charitable Trust (Since 1997)

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15th ANNUAL REPORT

ACADEMIC YEAR 2022-2023

Presented by

Dr. S. CHARLES
Principal

March 31, 2023

SINCERITY   **NOBILITY**   **SERVICE**

- I am delighted to welcome the exemplary architect of SNS group of Institutions, with more than three decades of enterprising, and *undeterred by difficulty* had become successful as an educationalist, as an industrialist, as an philanthropist, as a social reformer and as a prominent personality, who had created an irreplaceable impression in all our hearts, is our Chairman, Dr.S.N. Subbramanian, I welcome you sir.

- *"*Light is a symbol of Brightness and sunlight expels the darkness of night; similarly blessings bring in our life prosperity and happiness". One such person who consistently *keep showering* her sublime blessings with love and affection towards the society is our beloved correspondent Madam, Dr. S RajaLakshmi Madam, I welcome you Madam.

- "Inspiration is awakening but to be an inspiration is a honor", it takes an awful lot of determination, dedication, perseverance, self-discipline and sincere efforts." One person, who directs students into the way of success by converting their dreams into reality, by honing the skills of the student community with his efficient planning & flawless execution, is our Vibrant Technical Director and native design thinker Dr.S.Nalin Vimal Kumar. *It is his vision and leadership that has brought innovative changes in our Institution. I whole heartedly welcome you sir.*

- *John C. Maxwell says, "Success is ... knowing your purpose in life, growing to reach your maximum potential, and sowing seeds that benefit others." Here is a personality who is a living example for these quotes. Wherever he goes, he inspires people beyond horizons. He is our distinguished Chief Guest, Dr.Chandrasekar, Director – strategic planning, Roots Group of Companies. Hearty welcome to you sir. Amidst your busy schedule you had accepted our invitation and honored us with your gracious presence. Thank you sir.*

- *"I think the best role models for women are people who are fruitfully and confidently themselves, who bring the ray of hope into the world." One such person is our dynamic guest of honor, Madam Jothisekaran, Senior Project Manager from HP, who has always given her time in many of our academic endeavors. Welcome Madam*

> ➤ I welcome our Director, Dr.V.P.Arunachalam, Principal SNSCT, Dr.Chenthurpandian, Principals of our sister Institutions, Deans and Heads of various Departments, Faculty members, Administrative Staff, Invited guests, Members from the Press, Beloved Students, Ladies and Gentlemen……
>
>   A Warm Good Morning to one and all….

I consider it an honour to submit our 15 th Annual Day report on this great occasion

SNS College of Engineering was started under the aegis of Sri SNS Charitable Trust. Sri SNS Charitable Trust, started its journey in the year 1997 with a philanthropic outlook of serving the society in the fields of Education, Textiles, Software and several other allied Industries. Ever since the inception, Sri SNS Charitable Trust has been expanding its wide spectrum of educational streams from pre-school to advanced levels of graduate and post graduate programmes in Arts, Science, Education, Management, Engineering, Pharmacy, Allied health sciences, Nursing, Physiotherapy and Research Centres.

Dr.SNS Rajalakshmi College of Arts and Science was started in the year 1999, is an Autonomous Institution, Affiliated to Bharathiar University, Coimbatore and Accredited by NAAC-UGC with A+ Grade, III cycle.

SNS College of Technology was started in the year 2002, is also an Autonomous Institution Approved by AICTE New Delhi & Affiliated to Anna University Chennai and Accredited by NBA, New Delhi & Accredited by NAAC-UGC with A+ Grade, II cycle

SNS College of Engineering was started in the year 2007, is also an Autonomous Institution Approved by AICTE New Delhi & Affiliated to Anna University Chennai and Accredited by NAAC-UGC with A Grade. During the starting of the year 2007 there were 4 Undergraduate programmes with a total intake of 240 students. Presently the college offers 10 Undergraduate programmes, 2 PG programmes including ME/M.Tech, MBA programme with a total sanctioned intake of 732 students. The college also offers a research programme leading to the award of PhD Degree. 4 UG programmes namely B,E - CSE, ECE, EEE, Mech and one PG programme namely MBA has got Permanent Affiliation from Ann University, Chennai.

SNS College of Education was started in the year 2007 is Accredited by NAAC with 'A' Grade and affiliated to Tamil Nadu Teachers Education University, Chennai

SNS Academy, a CBSE School was started in the year 2014

SNS College of Pharmacy and Health Sciences was started in the year 2019, is Affiliated to The Tamil Nadu Dr M.G.R. Medical University, Chennai, Approved by AICTE, New Delhi Pharmacy Council of India, New Delhi and by the Govt. of Tamil Nadu

SNS College of Allied Health Sciences was started in the year 2019 is Affiliated to Tamil Nadu Dr.M.G.R Medical University, Chennai.

SNS College of Nursing was started in the year 2020 is Affiliated to Tamil Nadu Dr.M.G.R Medical University, Chennai and Recognized by the Tamil Nadu Nurses & Midwives Council (TNNMC), Chennal Recognized by the Indian Nursing Council (INC) New Delhi.

SNS College of Physiotherapy was started in the year 2020 is Affiliated to Tamil Nadu Dr.M.G.R Medical University, Chennai

Every institution has a well-defined vision, highly committed mission and dedicated faculty members to deliver excellence in design thinking based education and innovation through our five pillar theme.

SNS is ranked among the top 5 colleges in Coimbatore and we aspire to shine as one of the premier institutions in the country and become an internationally recognized university worldwide.

Awards

I am happy to announce some of the awards SNS College of Engineering has received during this academic year.

- ➢ I am very happy to share that Our Technical Director Dr.S.Nalin Vimal Kumar has received 'Malar Magudam'- Alumaigalin atchyapathiram from Dinamalar on the 6th November 2022.

- ➢ The Ministry of Education (MoE), Govt. of India has awarded our college with 4-Star Rating for the effective functioning of the Institution's Innovation Council in the conduction of various activities related to innovation.

- ATAL Ranking of Institutions, "ARIIA – 2021 Ranking" has categorized our college under the BAND PERFORMER category, based on Institution achievements related to Innovation.

- AICTE INTERSHALA RANKING – 2022 has recognized our college in the 28th position in the All India out of 515 colleges and 8th Position in the south India level out of 235 colleges participated and Internshala has provided with Certificate of Excellence.

- SNS is officially included in the global map of Design Thinking by GDTA/Stanford/HPI and happy to share that we are the first Indian Educational Institution to become a member of Global Design Thinking Alliances

- Received Torchbearer award in IDA Education Award 2022 under two categories "Effective Implementation and Integration of ICT and Enabling Experiential Learning during November2022.

- INDIA TODAY Magazine has announced " The Best Engineering Colleges 2022 " and Our institution secured 4th rank in Coimbatore Region and 17th rank in Tamilnadu.

- The week Hansa Research survey has announced " The Best colleges Ranking 2022 and Our institution secured 146th position among all the Private colleges and 172th position in overall category

- Careers 360 has announced The Best Engineering colleges Ranking 2022 and Our Institution secured AAA+

- Received National Employability Award 2022 from Aspiring mind. The award is given to the campuses for being amongst the top 10% engineering campuses at the national level or in their respective states. We are very much happy to inform you that as per the AMCAT scores of our 2022 batch students.

- Dr.R.Sudhakaran Vice Principal has received Certificate of Appreciationfrom Prof.Andrew Thangaraj NPTEL Coordinator IIT madras for being the ACTIVE SPOC and Brand Ambassador of the SWAYAM NPTEL Local Chapter of SNSCE.

STUDENTS' NOTABLE ACHIEVEMENTS:

Let me now present few of the notable achievements of students,

- We are excited to announce that the Mr. Kishore and team, named as SNS Synergy secured first place in the GDTA's Global Design Thinking Challenge, which was focused on the Entrepreneurial Timeline.

- Mr.S.Nagendran, II ECE won Bronze medal in All indie Level Karate Championship – 2023 and he also won 1 gold and 2 silver medals at state level at various category.

- Mr.P.Kabilesh of 2nd Year, AI&DS won first place in the District level Silambam tournament conducted by Silambam Association.

- Abinesh Jino U.P. of II Year AI&DS secured II place in 9th Tamil Nadu State level open Karate Championship 2023

- Under Naan muthalvan scheme MIT, Anna University Chennai in association with Auto desk Fusion 360 organized a state level mega Hackathon Challenge. Mr.j.s.Josith and Mr.S.Jobin won first prize in this event.Mr.Sam Hendry and team IV year mechanical and MECH AND mechatronics participated in the Formula kart racing championship at Kari motors and bagged two awards namely best captain award and Best cost optimum award.

- 3 projects have been shortlisted for the next level in TECHium competition announced by L &T

- Mr.Yagava and Team designed and fabricated a Dirt Bike vehicle in our piston factory and participated in the National level competition on "Design, Development And Performance Analysis of Dirt Bike " and received Best Design Award , during October 2022.

- Noble Book of World Records – 2021 awarded Mr.Divagaran. S and Mr. Praveen D of III YEAR Mechanical Engineering with "Keepers of Records" in the category "Maximum Number of Students Attempting Longest Duration of Free Style Silambam Rotation during Oct 2021

SNS Silver Jubilee year

- I am very happy to share that, SNS group of institutions get together and celebrate 25 th silver jubilee during September 2022. During that time, each and every department has conducted several competitions, both technical like ideation, hackthon , colding , quiz, workshop ,paper presentation and fun events like fox hunt, treasure hunt, lock and key, linkers. Both our college students as well as other college students have

participated in many events and won their certificate and prizes. Many dignitaries took part in this and also film celebrities also came for this function. Nearly 72 events conducted and 2000+ students have participated.

DESING THINKING FRAMEWORK

I am now proud to present the unique feature of SNS Institutions, the design thinking framework. A curriculum structure based on Design Thinking strategy that focus on delivering quality education by providing an effective learning environment which supports to build character, skills and curiosity to learn more and leading to transform them as true innovators who fix the real social needs and issues. The effectiveness of DT Framework implementation is done through the 5 Pillars - Centre for Learning and Teaching, Centre for Creativity, Skill and Career Development, Industry Institute Partnership Cell and Social Responsibility Initiatives. Students' gets to identifying potential problems and solve them by learning through the 7 emerging innovation technologies and 7 industry verticals. Eventually they innovate, incubate and evolve their ideas into start-up.

An additional feature in this Design Thinking Frame work is the DT Activation Hour which is being practiced on a daily basis, 20 min/day. During this hour, practice of yoga/meditation, sharing of moral values by reading quotes from holy books such as GITA, BIBLE, QUORAN, teaching ethics through stories are done during this hour. These activities increase the focus and keep the students energetic throughout the day.

Internal Quality Assurance Cell (IQAC) plays a vital part in improving quality and effectiveness of all our activities through

- ➤ Quality Circle Meeting
- ➤ Internal /External Audit
- ➤ Conduct of Review Meetings
- ➤ Preparation of Annual Quality Assurance Reports, Surveys and Submission of Proposal under AQIS

KEY activities-5 Pillars

I am happy to mention few of the KEY activities carried out under each of the 5 Pillars.

Centre for Learning and Teaching

Through the Centre for Learning and Teaching, to establish a strong system for teaching, learning and training, totally 78 Programmes including 47 - Seminars, 10 – Workshops, 15 Guest Lectures and 06 skill development programmes were organized 121 MOOC were completed

The number of graduates who have successfully graduated are 293 out of which 292 cleared and pass percentage is 99.65. In 2022 batch 97% of the students are placed in various reputed software and core companies and a few of them have gone for higher studies

Centre for Creativity

Through the Centre for Creativity, an MoU was signed between SNSCE and Amrita – Technology Enabled Center Coimbatore during December 22, to help students in business research, innovation and incubation start-ups and totally 11 MoUs were signed across all department during the Academic Year (2022-23)

Project expo was conducted on 9/12/2022 and totally 257 projects have exhibited and outcome of the project expo was 13 patents was published,48 research articles published and 85 articles are communicated to journal especially indexed by Scopus and Web of Science.

Department of MBA has organized Innovative one day Management Practices for Sustainable Growth and Global Competitiveness- February 2023 and totally 69 research papers were submitted.

During this academic year 49 papers have been published by faculty out of which 41 in national/international journals and 8 papers in international conferences. 54 papers are communicated to journals and are under review.

To encourage the research activities and start-up culture among students and faculty members, seed money of Rs.2.00 Lakhs is provided to each Department by the institution. EDC has organized 6 programs for the budding entrepreneurs in this academic year.

- A seminar on Promoting Entrepreneurship among the graduating students
- National Level Awareness Programme on Entrepreneurship
- An Awareness Programme for Tamilnadu Student Innovators 2022
- Seminar on Firstprenuer
- National level Pitching event on Adukalam by STARTUPTN
- Seminar on Break the Barrier
- I am very happy to share that, 2 startups namely Techsnapie solutions and Delauto solutions were inaugurated during November 2022 and workspace was provided.

Skill and Career Development Cell

Skill development activities were organized through the SCD

- Preparation of One page resume and video resume
- Placement training was given for the Third and Final year students through external agencies in the following areas
- 112 hours VQAR and placement preparation during January 23 to March'23
- 10 days SPINE Z program on soft skill training / communication development was given to non-placed final year students
- 7 days SPINE X program for II year students
- Importance of the computational thinking and technology awareness programme named, Think Algo Programe was provided for the I year students
- 2003 students have participated technical/non-technical events and presented 17 papers in National level technical symposium/conferences.
- 238 students have participated Hackathon including AICTE Smart India
- 14 Clubs are initiated such as Communication club, Tamil mandram,Gear shifters club,Reader club, Web design club, Coding club, Entrepreneurship club,Fine Arts club, Robotics club etc., and 36 activities were conducted . Around 1457 members have benefitted.

Prepinsta

I am very happy to share that, this year we initiated one more new step to provide Prepinsta login credential to all the students from I year to IV years wherein the students prepare for placements with the best study material, online classes, Sectional Statistics for better focus and Success stories , Mock interviews and Company specific questions. This portal is very much helpful for the student's career.

Institute-Industry Partnership Cell

The Institute-Industry Partnership Cell makes every effort to establish a connection with industry make student to understand the industry world, facilitate internship, Industrial Visit, MOU, and in-plant training. A total of 538 students completed internships in Industry and all the students have gone on industrial visits to Goa, Bangalore and Cochin. Department of Mechanical Engineering has done substantial consultancy services on 3D Printing.

Our students are regularly interviewing CEO to understand the corporate culture in a better way.

We are happy to share that, received report on AICTE Internshala report 2022, wherein 236 internships were received totally from 78 companies and 183 students received a maximum stipend of Rs 25000 per month.

With regards to Placement, 89.7% of final year students are placed as on date in various reputed companies with an average pay of Rs. 3.62 Lakhs per annum and a highest pay of Rs.9.00 lakhs p.a. Few of our recruiters include, TCS, CTS, HCL, ZOHO,WIPRO, Infosys, Mindtree, Intellipaat Software Solutions, Hexaware, Tech Mahindra, New India Electricals, Atos/Syndel, NTT Data, Bosch, Byjus etc

We have companies still in the pipeline waiting to hire our students and we could reach 100% placement in this month end.

SNS Alumni –Family Get-together was organized on 15/10/2022 and all batches were participated from the inception onwards and honored by various awards. 17 Alumni talks and webinars were delivered by our Alumni which include career guidance, Higher studies, Placement and Skill development programmes.

Social Responsibility Initiatives

Under SNS SRI, SNS Social Responsibility Initiatives, events are conducted throughout the year including Blood Donation Camps, Eye Camps, Awareness programmes on Heart Disease Prevention, Leprosy Education, rehabilitation and treatment, Antidrug awareness day,Helmet awareness rally and National Voter Awareness programmes.

In addition to this visit to Orphanages, Old age homes were made by our faculty and student team and the inmates were given material and services done by our student teams. Teachers Day Celebrations and Pongal celebrations were also done under this umbrella. Under women empower cell, Counselling for girls, Health awareness, Cancer Awareness day and international Women 2023 were organized for girls and lady faculty members.

LIBRARY:

Our College Library is housed with 36990 books with 9115 titles, 194 Journals and Magazines, 3763 digital materials in the form of CD, DVDs and 1026 projects. The digital library is equipped DELNET facility with access to nearly 1000 E-Journals, 2709 E-books, and close to 4500 NPTEL Video contents.

BoG, BoS and ALL ROUND PERFORMER (ARP)

Now let me present the awards, the college provides for the students for their excellence, namely BoG, BOS & ARP awards.

Every year nominations are invited from final year students for the award of 'Best Outgoing Student' (BoG) and based on their performances in academic, co-curricular, extracurricular, social responsibility activities and placement. And one of the Nominees, who excel in all dimensions, is awarded with 'Best out Going Student Award – BoG Award. The award carries a Trophy, legal tender, crown, Certificate and cash award.

Students from II year and III year are continuously motivated for their good work in different fields including academics, co-curricular, extra- curricular and social responsibility activities are awarded with All Round Performer award - the ARP Award.

Total number of Nominees 176

Sl.no	Award category	Total nominees
1	BOG	8
2	ARP	35
3	CLT	46
4	CFC	28
5	SCD	25
6	IIPC	20
7	SRI	14

INCENTIVES TO FACULTY & STUDENTS

The college provides incentives and cash awards to the faculty those who publish technical books, produce patents and those who publish research papers in national / international journals

The college encourages and motivates the faculty to participate in technical conferences, attend FDPs and other skill development programmes by providing 50% of the registration fees

Also, to encourage the students participation in Co-curricular and extra-curricular activities, the eligible students are provided with incentives to meet their expenses and appreciated with certificates.

STUDENTS SCHOLARSHIPS :

During this academic year 2022-23, 575 Students received community scholarships and first graduate scholarships totaling Rs. 2.5 crores.

In addition to this the college has uplifted the lives of needy and Covid affected families through its Social Responsibility Initiatives. I would like to present some of the welfare schemes,

1. SNS Covid'19 Welfare Scheme:
- Any child (anywhere in India) who has lost any one of his/her parents due to Covid'19, are given 100% free educational support in any of the 10 Institutions run by the Trust from Primary to any U.G Degree (till his/her graduates). 100+ students benefited under this scheme, with Rs. 1 Crore Scholarship fund reserved for this purpose.

1. **SNS Covid'19 Health Insurance:**
   Under this scheme, Insurance with a coverage value of Rs.5 Lakh per person is provided to all faculty and staff of SNS Family. A fund of Rs.10 Lakhs is reserved for this purpose

3. SNS Founder's Scholarship Scheme – it's a Free Education Scheme. Under this we have the School Toppers Scholarship Scheme where the

- School Toppers and high cut off scorers are given Tuition Fee Waiver and Hostel Fee Scholarships. More than 100+ students benefited under this scheme

Alumni Scholarship Scheme:
- Siblings and Children of SNS Alumni are provided 100%scholarship to pursue in any of the 10 Institutions run by the Trust. 100+ students benefited under this scheme, with Rs. 1 Crore Scholarship fund reserved for this purpose.

Single Parent/No Parent Scholarship Scheme:
- Students who lost both their parents are given a scholarship of Rs.40,000 per year and the children who lost either his/her Father or Mother are provided with scholarship of Rs.20,000 per year for their educational support.

18 students are studying under this scheme, with Rs. 1 Crores reserved Scholarship Fund for this purpose.

School Toppers and High Cut-off scorer's schemes

24 School toppers have received scholarship under this scheme with Rs.50 Lakhs fund for this purpose.

5. **Free Medical treatment services** for Public are provided through Sri SNS Trust Subbanna Gounder Cilinic, a clinic run by Sri SNS Charitable Trust

Before I conclude, I wish to express my heartfelt wishes to each and every student for a successful endeavour. My special wishes goes to the final year students, for a bright career as an engineer, as a manager and as an entrepreneur.
Wishing you all the best.

Thank you everyone for your patient listening.
Thank you.