



National Institution for Quality & Reliability

80, NUNGAMBAKKAM HIGH ROAD, CHENNAI - 600 034

17th NIQR Global Quality Convention

NIQR - T.V.N. KIDAO AWARD FOR OUTSTANDING EDUCATIONAL INSTITUTION - 2023
to

Sona College of Technology
Salem

Presented on 16th September 2023 at Chennai

Sona College of Technology (SCT) has been recognized by the NIQR (National Institute for Quality and Reliability) with the 'NIQR - TVN Kidao Award for the Best Outstanding Educational Institution – 2023'. This award recognizes SCT's outstanding achievements and contributions to technological education and research.

SCT, an integral part of the Sona Institutions, has a rich legacy extending back to its founding in 1958. The college is motivated by the vision of its founder, Shri. M.S. Chockalingam, a distinguished educationalist and industrialist. SCT was founded with the noble goal of bringing world-class technological education to tier 2 cities, and it has, since then, grown into a premium institution with an unwavering dedication to providing high-quality education steeped in traditional values.

SCT has strategically targeted research, innovation, and the creation of a vibrant start-up ecosystem as an autonomous organization linked with Anna University.

SonaSPEED (Sona Special Power Electronics and Electric Drives) was founded in 2001 as one of SCT's 36+ R&D centres. This research institute has excelled in the field of Special Electrical Machines and has played a critical role in designing specialized motors for the Indian Space Research Organization (ISRO). Former President Dr. A.P.J. Abdul Kalam's visit in August 2009 was a milestone moment for SonaSPEED, as he expressed significant admiration for its unique capabilities. SonaSPEED has been developing Brushless Stepper motors for ISRO space missions for the past 20 years, particularly, its contribution to India's Chandrayaan-3 moon mission has been a momentous achievement.

Notable achievements in space technology : The creation of a simplex permanent magnet stepper motor for the Chandrayaan-3's LVM-3 rocket has been critical in managing the fuel and oxidizer mixture ratio of the rocket engine.

*SCT's contributions to India's indigenous reusable launch vehicle (RLV), is also noteworthy, including the supply of a SONA 25kW quadruplex BLDC motor for lifting the RLV during autonomous landing missions.

*SCT's commitment to advance space exploration extends to its role in delivering components for Chandrayaan-3 and its contribution to India's Gaganyaan-1 manned space mission. These endeavours demonstrate the breadth of SCT's partnership with ISRO and its commitment to pushing technological frontiers.

Other Accomplishments : *SCT's commitment to innovation is testified by its track record of 15 patents for staff and student projects, showing the institution's focus on cutting-edge technology applications. The recent patents include: 1) Carbon Quantum Dots Covered Nano Composite Solid Dielectric Materials and its Preparation Methods 2) Synthesis of nano Fe₂O₃ cement compositions for concrete shielding 3) Eco friendly high performance paver blocks using magnetic water and granite dust.

Progressive Faculty: SONA NPTEL LOCAL CHAPTER has been continuously positioned at no.1 in teacher performance among India's 5200 NPTEL Local Chapters, demonstrating its commitment to keeping up with the needs of contemporary education. SONA has consistently attained the 'FIRST POSITION' in faculty performance ratings in NPTEL four times in a row.

* **Best industry linked institution:** SCT has received the AICTE-CII national level award for being the best industry-linked institution for seven consecutive years, thus establishing its strong industry connection. The entrepreneurial enthusiasm of SCT students was acknowledged with the TNSI 2022 Cash Award for Business Ideation, securing second place out of 25 competing teams.

***Dedicated Community Engagement:** Tamil Nadu government's "Valnthukatoovom" project, which promotes skill development, sustainable livelihoods, and rural entrepreneurship for differently-abled people, has given assistance to SCT's Centre for Social Responsibility Initiatives (SONA CSRI).

With immense pride and privilege, we, the members of NIQR, presenting the - TVN Kidao Award for the Best Outstanding Educational Institution - 2023 to Sona College of Technology, Salem, represented by Mr.Thyagu Valliappa, Vice Chairman, Sona Institutions and Prof. Dr. S. R. R. Senthilkumar, Principal, Sona College of Technology on 16th September 2023 in Chennai.

P.T. Bharani Perumal
Convention Chairman - NIQR

S. Murali Shankar
National President - NIQR