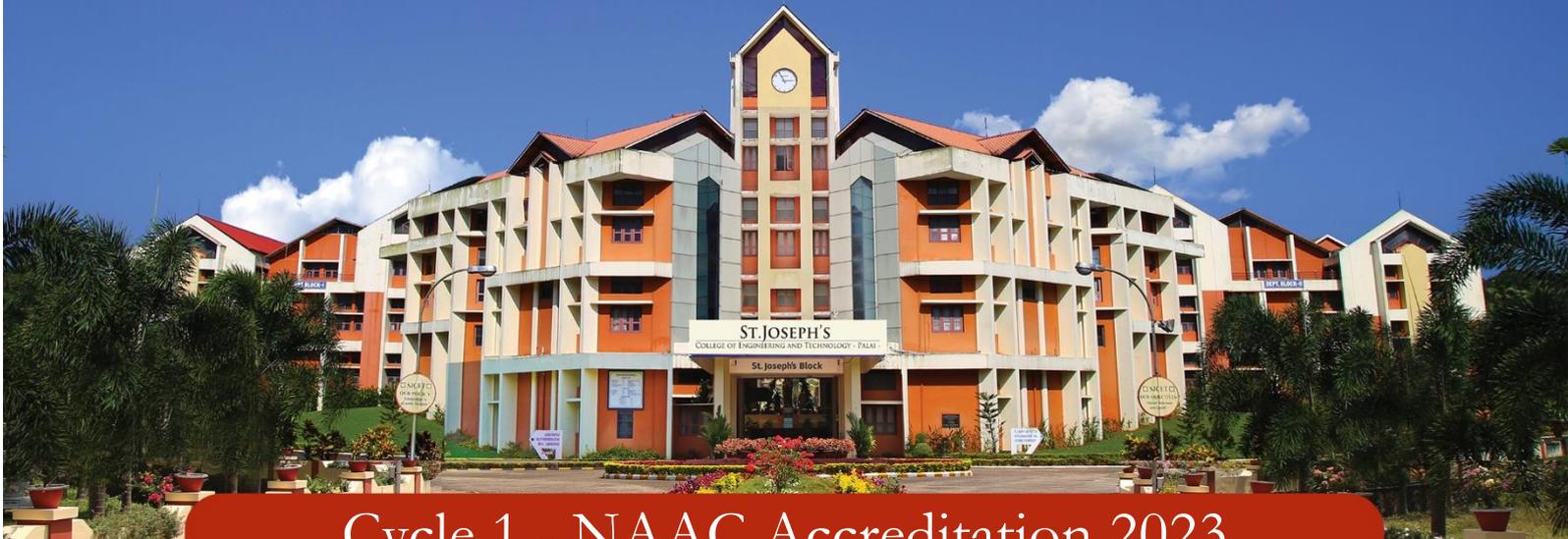




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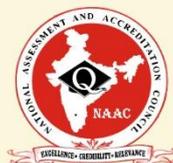
Cycle 1 - NAAC Accreditation 2023

Criterion - 3

Research, Innovations & Extension

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge (patents filed, published, incubation center facilities in the HEI to be considered)

Submitted to:



National Assessment and Accreditation Council



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3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge (patents filed, published, incubation center facilities in the HEI to be considered)

The institution strongly emphasizes research, innovation, and entrepreneurship. The institute has a policy to provide financial support to boost research and development, and the faculty members are motivated and promoted to attend seminars, conferences, and publish papers. The institute has also received a grant of 110+ lakhs to undertake research projects. 200+ workshops/seminars/conferences were conducted for the dissemination of knowledge during the assessment year.

The college has an Innovation and Entrepreneurship Development Centre (IEDC) cell that provides various platforms for interaction between students and entrepreneurs by organizing talks and meetups with entrepreneurs. The college encourages students to participate in various Idea competitions conducted by Kerala Start-up Mission (KSUM), and many teams of students have received Idea grants from KSUM. The college also conducts various Idea Fests, hackathons, and Idea pitching competitions to enhance the innovative spirit among the students and provides financial support for the development of product prototypes.

A few notable innovations are: a) 'Funeral Stand,' a convenient device for interment in cemeteries designed to remove the manual effort of lowering the casket into the grave; b) a hybrid Scooter, which can work on both an electrical motor and a petrol engine; c) Mini Ventilators, which were crucial in the COVID-19 scenario; and d) an automatic Laddu making machine.

The Centre for Industrial Consultancy of the institution provides consultancy services like structural design, various types of testing, providing software services, and installation of CCTV Surveillance systems to clients. The institution has generated an amount of Rs 20+ lakhs through consultancy services.

The IEEE student branch of SJ CET is one of the best student branches across the region. The institution also has active professional societies like ASME, SAE, ISHMT, CSI, and ASCE that

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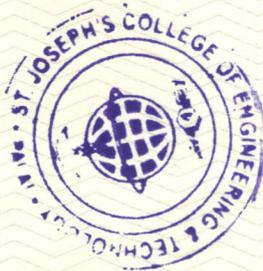
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provide platforms for the students to experience new and innovative ideas and happenings around the globe.

The SJ CET Startup Bootcamp is another initiative that encourages students to challenge themselves and come up with innovative ideas. Students are provided with expert mentorship to convert their ideas into prototypes and eventually into marketable products. The Bootcamp has incubated two startup companies, Infusory Future Tech Labs Pvt Ltd and Lamaara Technologies Pvt Ltd, both founded by our students. During their incubation period, Lamaara Technologies Pvt Ltd received a brand equity investment worth Rs 50 lakh from the Times Group. The Bootcamp has received several awards and recognition, including the Best Performing IEDC award, the Hero of the Startup award, and the best sustainable startup award.

In addition, the institution conducts seminars related to IPR for the faculty and students. Faculty members in the institution have filed 10 patents so far, of which 3 patents have been awarded. Additionally, students have filed 4 patents.

The various initiatives undertaken by the institute, such as the IEDC cell, professional societies, and industrial consultancy, help nurture the entrepreneurial spirit among the students.



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