



# **SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE (AUTONOMOUS)**

**(Accredited by NAAC) (An ISO 9001:2015 Certified Institution)**

**SUNDARAKKOTTAI, MANNARGUDI-614 016.**

**TAMILNADU, INDIA.**

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## **INSTITUTIONAL DISTINCTIVENESS**

'Empowering Women TO Empower the Nation' is the motto of our institution, and we work hard following the words of Swami Vivekananda. 'Arise, Awake and stop not till the goal is reached' to Provide quality higher education especially to women who hail from downtrodden and economically weaker sections of the society, which is the distinctiveness of the college. Towards achieving the same the following activities are undertaken:

- It was the only institution started exclusively for women (1994) at the time when there was no institution for a radius of 40 km., cater to the needs of women students.
- AICTE Approved Programmes MBA, MCA, BCA and BBA were commenced .
- Now the institution have 16 UG programmes, 13 PG programmes, 4 Ph.D. programmes, 2 Diploma programmes.
- Ph.D. programme in Microbiology, Biochemistry, Computer Science and Commerce were initiated to focus on research.
- So far 21563 students in UG programme, 7717 students in PG programme, 450 scholars in M.Phil., were graduated, 30 research scholars were awarded as doctorates. We have attained 1100 ranks in UG programme and 1357 in PG programme at university examinations.
- The institution has created infrastructure catering to the needs of about 4500
- The NATIONAL ASSESMENT AND ACCREDITATION COUNCIL (NAAC) accredited institution.
- UGC and NAAC recognized 'Mentor' institution to facilitate the non-accredited institutions to get themselves accredited.  
Institution has attained autonomous status on the academic year of 2019-2020.
- Forty two buses are operated by the Management at a subsidized cost for the safe transport of the students.
- Six Minor Research Projects have been sanctioned by the UGC SERO, Hyderabad.
- Senior Research Fellowship (SRF) has been awarded by the Indian Council for Medical Research (ICMR), New Delhi to a Research Scholar of the Department of Biochemistry.
- Totally 55 faculty members have been awarded the Doctorate in their respective discipline.
- ICT enabled Teaching-Learning processes and Installation of ERP software.
- Institution has received the award for Best practices – Higher Education in Tamil Nadu – 2017 from ICTACT and also received in the category social initiatives – Empowering Women, Empowering the nation from ICT Academy in the year 2018.
- The college library has 59253 books and 191 journals and magazines, besides subscribing for N-list, INFLIBNET, Shodhganga, Shodhsindhu and Delnet. A

Plagiarism software is also available to enhance the ethical standards of students' in research work.

- The institution has a well-established IT Physical infrastructure with licensed softwares includes Visual Studio 5.0, Visual Foxpro 2.0 , Visual Basic 5.0, Tally ,LMS and Automation Library (OPAC), Ms oracle – 2 , SPECTRO 119,Airsoft, Image Pro Plus. Etc.,
- Filed a patent for Poly herbal wound healing ointment at Government of India and the invention was published in Patent Office Journal No. 02/2021 dated 08.01.2021. A patent of Polyherbal wound healing ointment, “REDDICURE” was invented by our Correspondent Dr. V.Dhivaharan and marketed.
- The trust has initiated the established STET Bio-Floral Products Development and Research Center, and the ‘Biominin’ Laboratory for the production of Biofertilizers, biocontrol agents, edible mushrooms, composts and vermicomposts, and the micronutrients respectively. Micronutrients for different crop plants have been prepared and distributed Sati-vitta-Paddy (Basal), Nuci vita (Coconut), Paradi-vitta-(Banana), Hypo-vitta- (Groundnut), Grani-vitta-(Pulses), Offici-vitta (sugarcane). Micronutrient mixtures are also prepared by adding appropriate amount of nutrients such as iron, Manganese, Zinc, Boron, Copper and magnesium, and distributed.
- ‘STET Bio – Floral Products Development and Research Centre’ for large scale production of bio fertilizers products and micronutrients to increase soil fertility. Biominin laboratory has been established to give hands-on training to the students and villagers in the production of vermicomposting, edible mushrooms and bio composts. Consultancy services are also provided. A ‘Centralized Instrumentation Facility’ has been established with sophisticated instruments such as HPLC. UV-Visible Spectrophotometer, Gas Chromatography, Semi Autoanalyser, PCR, Gel Documentation System, etc.
- A ‘Microbial Culture Collection Centre’ (Herbarium) has been established and maintained.
- Free summer training programmes on instrumentation are conducted every year.
- The Department of Microbiology discovered 127 New species of foliicolous fungi; 16 New varieties and 18 New records to India; 2 New genera, 3 New generic records; and 3 rare fungi; sequenced of genes of *Lactobacillus*, *Rhodopseudomonas sp.*, *Saccharomycetes sp.*, *Aspergillusniger* and *Penicilliumcitrinum* to the Gen Bank and NCBI, USA. and ventured into the process of conversion of plant lignocellulosic organic wastes into value added products.
- Management funded research project entitled “Effect of Symbiotic Foliicolous fungi on the dynamics of the Shola species of the Western Ghats” was carried out at Kodaikanal during the period of 2006-2011 with the permission from the Principal Chief Conservator of forests and Chief Wildlife Warden, Tamilnadu Forest Department (1. WL5/ 33321/2006/12.9.2006 2.WL5 /52287 / 2007 / 23.08.2007). Twelve New species of Foliicolous fungi namely *Meliolacyperacearum*, *Meliolahoveniae*,*Meliolaluculiae*, *Meliolathiyagesanii*, *Asterinascutellariae*, *Asterinadhivaharanii*, *Asterinakukkalensis*, *Asterinaphobegena*, *Asterinapolygalae*, *Asterinaviburnii*, *Questieriellatoddaliae* and *Meliolaexacigena* have been reported and two new varieties namely *Asteridiellasolanivar . kodaikalensis*, *Melioladaviesii* var. *kodaikalensis* were found, and *Meliolaeuonymi* and *Asterinaclematidi* are the first reports from India. The Dr.V.B.Hosagoudar was the honorary research advisor. The project was carried out at the cost of Rs. 21, 13,314. Ms. R.Nithyatharani successfully completed her Ph.D Degree in Microbiology and four candidates completed their M.Phil Degree out of the projects.
- Totally, 331 fungal species were recorded. Among these, 137 new fungal species were newly discovered, 20 new varieties, 2 new genera, 3 generic record, 3 rare

**fungi and 20 new records to India.**

- **Fungal Herbarium unit named Centre for Mycological Research for Follicolous fungi /leaf infected fungi, which forms the first of its kind in Tamil Nadu and become the fourth in India (followed by HCIO, AMH and TBGT) and is known with its acronym STET, Now around 453 collection have been housed in it.**
- **College has developed a Herbal Garden to create awareness of medicinal value of plants.**
- **Incubation Centre has been established to facilitate the elite students and young entrepreneurs to experiment innovative ideas and to develop procedures and protocols for the product development and to promote “start ups”. This resulted in development of products such as hair tonic, hair oil, soap, floor cleaners, sanitizers and hair cleaning powders (Shikakai). Nutraceuticals are also developed and produced by the Department of Nutrition and Dietetics. Skill development programmes such as tailoring and screen painting are conducted.**
- **Institution – Industry collaboration has established through MoU’s so as to provide industrial exposure.**
- **The Management has provided 100 mbps internet and Wi-Fi facilities throughout the campus.**
- **The college publishes an International Journal of Scientific Transactions in Environment and Technovation.**
- **An Animal house has been established as per the norms of Indian Animal Ethical Committee for the research activities and it is a registered house with CPCSEA, Ministry of Environment, Forests and Climate change, Government of India.**
- **Mahatma Gandhi National Council of Rural Education, Ministry of Higher Education, Government of India has selected our institution as a District sustainability Mentor (DSM) for Thiruvarur Dt and we coordinated five colleges in Thiruvarur District on sustainability practices followed by the colleges.**
- **NAAC has recognized this institution as ‘Mentor’ institution under ‘PARAMARSH’ scheme to facilitate the non-accredited institutions to get accredited themselves.**
- **The Ministry of Higher Education, Government of India, has selected our institution as a District Sustainability Mentor for Thiruvarur District.**
- **The 3 new trademark applications for Cough Syrup (Floradex), Sambar Masala (BHL Spices) and Hair Oil (Rosini) have been filed and recorded in The Trademarks Registry, Intellectual Property Buiding, G.S.T Road, Guindy, Chennai.**
- **Various Skill Development and value added programmes are conducted to enhance moral values and employability**
- **The Placement Cell facilitated for the placement of students through on campus and off campus interviews**
- **NCC (SW) unit through FSFS scheme and 8TN (Bn) Kumbakonam army wing with three platoons and 160 cadets is functioning**
- **Our college has started a Skill Training Centre in association with Adayar Anandha Bhavan Sweets India Pvt. Ltd., for the school dropout students under the Prime Minister Scheme Deen Dayal Upadhaya Grameen Kaushalya Yojana (DDUGKY).**
- **To add feathers to our crown our institution has attained ranking in NATIONAL INSTUTIONAL RANKING FRAMEWORK (NIRF) 2024**