

**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
AUTONOMOUS**



**(Affiliated to Bharathidasan University)
(Accredited by NAAC) (An ISO 9001:2015 Certified Institution)**

SUNDARAKKOTTAI, MANNARGUDI-614016.

TAMIL NADU, INDIA.

BEST PRACTICES-I

TITLE OF THE PRACTICES

Special Computer hardware workshop for students to motivate and enrich computer knowledge.

AIM

To improve the knowledge status of the students in order to achieve their curricular performance.

THE CONTEXT

Hardware class and software training has been implemented to facilitates the students with basic applied knowledge of computers through well-defined hands on exercise.

PRACTICES

Hardware Training Workshop

Hardware workshop and training has been implemented to obtain practical skills in assembling the computer's hardware components.

Student symposium 'STET COMPUTERA'

Our department conduct student symposium STET COMPUTERA every year to showcase the talents of students in co-curricular activities.

Lectures and seminars relating to computer software and hardware

Seminars, lectures, awareness programme and online webinar on Computer Hardware and software are conducted regularly to enhance the skills of students in emerging areas of CS & IT.

Computer Quiz

Technical quiz is being conducted to improve the basic knowledge and current trends on computer.

**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
AUTONOMOUS**



**(Affiliated to Bharathidasan University)
(Accredited by NAAC) (An ISO 9001:2015 Certified Institution)**

SUNDARAKKOTTAI, MANNARGUDI-614016.

TAMIL NADU, INDIA.

Debate and Group Discussion

The group discussion and debate are conducted to promote a deeper understanding of a topic and increase long term retention.

Extension activities

Students from Department of Computer science conduct awareness programme on computer hardware, cyber-crime, digital wellbeing, artificial intelligence and machine learning to school students in Thiruvarur district. Quiz conducted to school students on the **Basic Concepts of computer science and Artificial intelligence** to enhance the knowledge on computers.

EVIDENCE OF SUCCESS:

- Student were observed the proper use of hardware in their lab practical sessions.
- Students participated in various competition conducted by other institutions.
- Ourcollege students from other department were able to enrich their computer skills.

PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED:

- Practices is discontinued by students.

**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
AUTONOMOUS**



**(Affiliated to Bharathidasan University)
(Accredited by NAAC) (An ISO 9001:2015 Certified Institution)**

SUNDARAKKOTTAI, MANNARGUDI-614016.

TAMIL NADU, INDIA.

BEST PRACTICES-II

TITLE OF THE PRACTICE:

Waste management by harnessing the power of microbes and ensuring sustainable practices.

AIM

To improve sustainable development and utilizing microbial potentials for healthy life.

THE CONTEXT:

Harnessing the power of useful Microbes in all possible ways of life through continuous researches in the academic background.

PRACTICES

Promotion of Research and Innovation across all the possible ways in the Microbiological field and ensuring sustainable Practices and green initiatives.

Our faculty members are encouraged to do, in-service research Projects to update their curricular and research strength with the support of research funding as seed money. It primarily aims to achieve minimal wastage in and around the campus.

**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
AUTONOMOUS**



**(Affiliated to Bharathidasan University)
(Accredited by NAAC) (An ISO 9001:2015 Certified Institution)**

SUNDARAKKOTTAI, MANNARGUDI-614016.

TAMIL NADU, INDIA.

Lectures and seminars relating to microbes in sustainable development

Seminars, lectures, awareness programmes and online webinar under the titles, which are all focusing on sustainable Development Practices.

Promote Social responsibility towards Environment and Community Development through celebrating environmental Days with public and Governmental officials.

Important days of Environmental concerns like World Water Day, International Forest Day, International Microbiology Day, National Microbiome Weeks are observed and celebrated mainly for emphasis the need of preservation of nature and its wealth. In this manner Public are sensitized by our students by plantation, street dramas, and issuing pamphlets to public with the support of Government officials to strengthen such activity.

Mushroom Cultivation, Vermicompost and Biofertilizers Productions for minimizing agro waste.

Vermicompost Production was successfully running in the Biominin Laboratories, a unit of STET Bio-floral Products maintained by PG and Research Department of Microbiology. These products transforms agro waste materials into useful products.

Providing consultancy services to the Kaveri Delta farmers about soil Microbial biodiversity, bio fertilizers and organic farming practices.

**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
AUTONOMOUS**



**(Affiliated to Bharathidasan University)
(Accredited by NAAC) (An ISO 9001:2015 Certified Institution)**

SUNDARAKKOTTAI, MANNARGUDI-614016.

TAMIL NADU, INDIA.

As part of STET- Biofloral Products consultancy services are lend by PG and Research Department of Microbiology about Biofertilizers usages, Soil Microbial Bio-Diversity, and other organic farming practices.

Waste water treatment using bio-potentialities

Waste water from hostel and other areas are collected and treated using Microbial and Phyto potentialities and reused for gardening purpose.

Extension activities to promote sustainable development.

Empowering Rural women community by giving practices on Mushroom cultivation technology and kitchen gardening through extension activities.

Formulation of Biofertilizer to enhance organic farming

STET – Biofloral products and Research Unit are continuously working on the production of Biofertilizers, Effective Microorganisms and Azolla cultivation.

Encouraging students to do novelty and technologically new research projects and applying for funding agencies to disseminate their findings especially in waste management

Students are encouraged to apply for funding agencies for transforming their research findings into execution and some of our students are successfully got their funds in this relavant areas.

Evidence of Success:

- Students got funds for their research products.

**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
AUTONOMOUS**



**(Affiliated to Bharathidasan University)
(Accredited by NAAC) (An ISO 9001:2015 Certified Institution)**

SUNDARAKKOTTAI, MANNARGUDI-614016.

TAMIL NADU, INDIA.

- Rural women successfully executed their knowledge through our extension activities.
- Vermicompost and biofertilizer are very much appreciated by the farming community.
- Celebrating environmental days attract more public and creating awareness through disseminating Environmental issues.

Problems Encountered and Resources Required:

- Inconvenience of accumulating all activities with academic schedules.
- Need parents support to do more outreach programmes with girl students.