

St. Mary's College (Autonomous)

Department of Physics

INTERNSHIP PROGRAMME AT CORE TECHNO SOLUTIONS

13.12.2021– 23.12.2021

- **Invitation**

**INTERNSHIP PROGRAMME
ON
SOLAR BASED PROJECT
UNDER STAR SCHEME
2021 – 2023**

DEPARTMENT OF BIOTECHNOLOGY
Ministry of Education & Technology
Government of India

Sponsored by

Organized by
MARIAN STAR CENTRE
Department of Physics
St. Mary's College (Autonomous)
(Re-accredited by NAAC with 'A+' Grade)
Thoothukudi – 628001

**INTERSHIP VENUE
AT
CORE TECHNO SOLUTIONS
THOOTHUKUDI**

Date: 13.12.2021 – 23.12.2021

ORGANISING COMMITTEE

Patron
Dr. Sr. C. Shikha
Secretary, St. Mary's College (Autonomous), Thoothukudi

Chairman
Dr. Sr. A. S. J. Lucia Rose
Principal, St. Mary's College (Autonomous), Thoothukudi

Convener
Dr. Sr. Jessie Fernando
Head and Associate Professor
Department of Physics, St. Mary's College (Autonomous), Thoothukudi

Overall Coordinator & Member Secretary
Dr. Sr. ~~Josephine~~ Alphonsa
Assistant Professor of History, St. Mary's College (Autonomous), Thoothukudi

Executive Members
Dr. S. ~~Epiphania~~ Immaculatus Sylvia, Associate Professor of Physics
Mr. A. Lucas ~~Rasceline~~, Associate Professor of Physics
Dr. M. ~~Shobha~~, Assistant Professor of Physics
Mr. P. ~~Dhanalakshmi~~, Assistant Professor of Physics
Mr. A. ~~Valentia~~, Assistant Professor of Physics

- **photo**



- Certificate

Certificate of Participation

This is certify that Mr./Ms. Abinaya.M, has participated in the internship on “Solar Based Project ” on 13th December 2021.

Topics Covered:

1. Sun tracking solar panel
2. Solar powered auto irrigation system
3. Solar energy measurement system

REF No: WS14033



Authorized Signature

CORE
TECHNO SOLUTIONS

- Report

The department of Physics arranged an internship on ‘Solar Based Projects’ at Core Techno Solutions from 13.12.2021 – 23.12.2021 under the star college scheme sponsored by the Department of Biotechnology, New Delhi. The internship was headed by a proficient guide from Core Techno Solutions. Twelve students of III B.Sc. Physics attended the internship and carried out the following activities

- Solar radiation readings were recorded.
- Various applications of solar energy and types of solar panel were discussed.
- Basics of the project were explained.
- Various components required for the project was searched.
- A detailed study of the components were done.
- Circuit was sketched and checked for stimulation.
- The PCB layout and 3D view were arranged.
- Soldering work was carried out.
- Project was documented.

Head of the Department

Department of Physics,
St. Mary's College (Autonomous),
Thoothukudi - 628 001.

IQAC Coordinator

IQAC Co-ordinator
St. Mary's College (Autonomous)
Thoothukudi

Principal

St. Mary's College (Autonomous)
Thoothukudi-628 001.