

Department of Physics

➤ Invitation



St. Mary's College (Autonomous)
(Re-accredited with "A+" Grade by NAAC)
Thoothukudi-628001, Tamilnadu



**INSTITUTION'S INNOVATION COUNCIL & DEPARTMENT
OF PHYSICS**
organize a session On
**"SMALL BUSINESS (START-UP) IDEAS BASED ON
SOLAR CELL RESEARCH"**

RESOURCE PERSON

DR. J. MERLINE SHYLA

Dean of Sciences and Director-LIFE
Department of Physics
Loyola College, Chennai.



Date: 12.03.2021, Friday Time: 2.30 PM

Dr. Sr. A. S. J. Lucia Rose
Principal & IIC President

Dr. Sr. C. Shibana
Deputy Principal & IIC
Vice President

Ms. A. Amora
IIC Convenor

Dr. Sr. Jessie Fernando
Head, Department of Physics

Dr. A Nirmala Shirley
Ms. P. Dhanalakshmi
IIC Members

Ms. G. Jaisala
Ms. S. Rohini
IIC Student Members

Join with Google Meet by Registering:

<https://forms.gle/ewqGMaCYnH9V3Aok8>

All are cordially invited.

➤ Screenshots

3:42

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Small Business Ideas (Services)

- ☐ Solar Energy Auditing
- ☐ Solar Panel Installation
- ☐ Solar Product Distribution
- ☐ Solar System Repairing & Maintenance
- ☐ Solar Panel Cleaning
- ☐ Solar Project Consultancy
- ☐ Solar Blogging
- ☐ Educative TV/Radio Programs
- ☐ Solar Related Magazines
- ☐ Solar Energy Expos

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PG PHYSICS

95 others

PowerPoint VBA Demo - (Small Business - 9 May) - Microsoft PowerPoint

Small Business Ideas (Products)

- ☐ Solar Farms
- ☐ Salt Production
- ☐ Solar Toys
- ☐ Solar Power Banks
- ☐ Solar Powered Tents
- ☐ Solatubes
- ☐ Solar road studs/signposts
- ☐ Solar powered CCTVs
- ☐ Solar flashlights

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PG PHYSICS

97 others

Hybrid Solar Cells

Hybrid solar cells combine organic and inorganic materials with the aim of utilising the low cost cell production of organic photovoltaics (OPV) as well as obtaining other advantages, such as tuneable absorption spectra, from the inorganic component.

The diagram shows a cross-section of a hybrid solar cell with the following layers from top to bottom: Metal electrode, HTL, Organic donor, Inorganic acceptor, ITO, and Glass. An external circuit is connected to the metal electrode and ITO. A magnified view of the organic/inorganic interface shows an organic semiconductor layer (10 nm thick) on top of an inorganic semiconductor layer, with arrows indicating charge carrier movement.

MERLINE SHYLA

➤ **Certificate**

SMALL BUSINESS (START-UP) IDEAS BASED ON SOLAR CELL RESEARCH

Organised by
Department of Physics
St. Mary's College (Autonomous),
Re-accredited by NAAC with 'A+' Grade
Thoothukudi - 628001.

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

CERTIFICATE OF PARTICIPATION

Ms. MARY MIRACULIN
II B. Sc Physics
St. Mary's College (Autonomous), Thoothukudi

*has successfully completed the **SMALL BUSINESS (START-UP) IDEAS BASED ON SOLAR CELL RESEARCH** organised on 12.03.2021 by Department of Physics, St. Mary's College (Autonomous), Thoothukudi, Tamilnadu, India.*

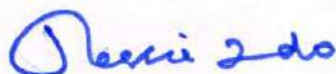
Dr. Sr. A. Arockia Jenecius Alphonse
 DBT - Overall Coordinator

Dr. Sr. Jessie Fernando
 Convenor

Dr. Sr. A. S. J. Lucia Rose
 Principal

➤ **Report**

The Institution's Innovation Council and The Department of Physics, St.Mary's College (Autonomous), Thoothukudi, both UG and PG, organized an innovative talk on the topic, '**SMALL BUSINESS (START-UP) IDEAS BASED ON SOLAR CELL RESEARCH**' on 12th March 2021 through Google platform at 2.30 pm. Dr. J. Merline Shyla, Dean of Sciences and Director-LIFE, Department of Physics, Loyola College, Chennai was the guest speaker. Ms. Rachel of II B.Sc Physics welcomed the speaker and Ms. Rohini, IIC student member proposed the vote of thanks. Around 97 students, both UG and PG and 10 faculty members were benefited by this programme. The Students gained more knowledge about photovoltaic technology and types of solar cell. She gave start-up ideas in solar cell products and services. She also kindled the solar research which is concealed within students. The programme was well organized by the IIC members Dr. M. Sheeba, Ms. P. Dhanalakshmi, Ms. P. Padmavathi, Dr. A. Nirmala Shirley and IIC student members Ms. S. Triffilla Missier, Ms. Jaisala and Ms. Rohini under the guidance of Dr. Sr. C. Shibana Deputy principal and IIC Vice President.



Head of the Department
HEAD

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.