

**PERFORMANCE ANALYSIS OF FRONT AND REAR SIDE SOLAR PV  
MODULE COOLING METHODS**

**PROJECT REPORT**

*Submitted in partial fulfillment of the requirements for the award of the Master's degree  
of*

**Master of Vocation  
In  
Renewable Energy Management**

*By*  
**Faiba K.J (Reg. No: 2002670004)**

**Under the guidance of  
Asst. Prof. Aswani .B**



**ST. ALBERT'S COLLEGE (AUTONOMOUS),  
ERNAKULAM**

**Department of Renewable Energy  
St. Albert's College (Autonomous), Ernakulam**

**May,2022**

**Agro Photovoltaic  
Project report**

Submitted in partial fulfilment of the requirements for the award of the  
Master's degree of

**Master of Vocation  
In  
Renewable Energy**

**By**

**Christy Mary Thomas (Reg. No:2002670003)**

**Under the guidance of**

**Asst. Prof. Dr. Jerin Mohan**

**Department of Renewable Energy**



**ST. ALBERT'S COLLEGE (AUTONOMOUS),  
ERNAKULAM**

**St. Albert's College (Autonomous), Ernakulam**

**2022**

# **SOLAR MICRO-INVERTER WITH STORAGE**

Project Report

Submitted by

**Vishnu S Babu**

**(Reg. No2002670008)**

to

*Mahatma Gandhi University in partial fulfilment of the requirements for the  
award of the Master's degree of*

**Master of Vocation**

in

**Renewable Energy**



**Department of Renewable Energy**

**ST. ALBERT'S COLLEGE**

**(AUTONOMOUS)**

**ERNAKULAM**

**2022**

**DEPARTMENT OF RENEWABLE ENERGY**

DEPARTMENT OF RENEWABLE ENERGY

# SOLAR PHOTOVOLTAIC DESALINATION WITH MEMBRANE DISTILLATION

Project Report

Submitted by

**JOEL JACOB (Reg. No: 2002670006)**

to

*the Mahatma Gandhi University in partial fulfilment of the requirements for the  
award of the master's degree of*

**Master of Vocation**  
in  
**Renewable Energy**



**Department of Renewable Energy**

**ST. ALBERT'S COLLEGE  
(AUTONOMOUS)**

**ERNAKULAM**

**2022**

**A COMPARATIVE STUDY BETWEEN CARBON FIBRE  
AND GLASS FIBRE AS WIND TURBINE BLADE  
MATERIAL USING ANALYTIC HIERARCHY PROCESS**

Project Report

Submitted by

**ANOOP A (Reg. No: 2002670001)**

to

*the Mahatma Gandhi University in partial fulfilment of the requirements for the  
award of the master's degree of*

**Master of Vocation  
in  
Renewable Energy**



**Department of Renewable Energy**

**ST. ALBERT'S COLLEGE  
(AUTONOMOUS)**

**ERNAKULAM**

**2022**

**PERFORMANCE ANALYSIS OF SOLAR  
PHOTOVOLTAIC SYSTEM ON REAR SIDE  
FLUID COOLING**

Project Report

Submitted by

**Athul Benny (Reg. No: 2002670002)**

to

*the Mahatma Gandhi University in partial fulfilment of the requirements for the  
award of the Master's degree of*

**Master of Vocation  
in  
Renewable Energy**



**Department of Renewable Energy**

**ST. ALBERT'S COLLEGE  
(AUTONOMOUS)**

**ERNAKULAM**

**2022**

**A COMPARITIVE STUDY OF THERMAL MANAGEMENT  
ON SOLAR PANEL WITH AND WITHOUT HEAT PIPE**

Project Report

Submitted by

**ROBINSON P.A.(Reg. No: 2002670007)**

to

*the Mahatma Gandhi University in partial fulfilment of the requirements for the award of the  
Master's degree of*

**Master of Vocation**

in

**Renewable Energy**



**Department of Renewable Energy**

**ST. ALBERT'S COLLEGE**

**(AUTONOMOUS)**

**ERNAKULAM**

**2022**