



# KALASALINGAM

## ACADEMY OF RESEARCH AND EDUCATION

### (DEEMED TO BE UNIVERSITY)

Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A" Grade



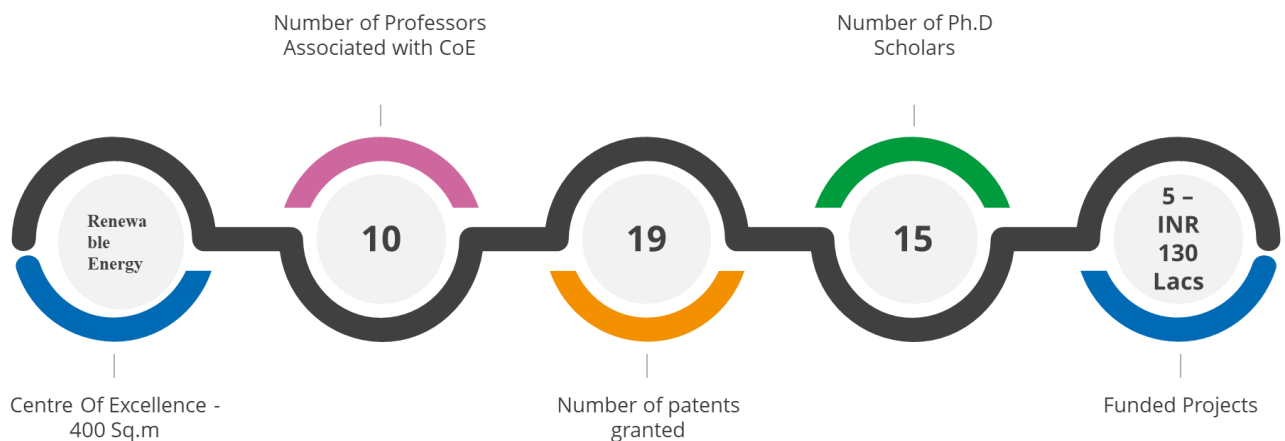
Anand Nagar, Krishnankoil - 626126. Srivilliputtur (Via), Virudhunagar (Dt), Tamil Nadu | [info@kalasalingam.ac.in](mailto:info@kalasalingam.ac.in) | [www.kalasalingam.ac.in](http://www.kalasalingam.ac.in)

## SUPPORTING DOCUMENTS- SOLAR ENERGY

### STRENGTH OF THE INSTITUTION IN SOLAR ENERGY

The institution also encourage research based renewable energy and energy conservation. The institution has received several funded projects and patents pertaining to solar energy and energy conservation. The institution is also offering M.Tech in Renewable Energy Technologies.

#### Strength of the Institute in Renewable energy



**RESEARCH PROJECTS FUNDED BY GOVERNMENT AGENCIES IN THE AREA  
OF RENEWABLE ENERGY**

1. ROME - Resilient and Optimal Micro-Energy-grid project – Indo – Norway project funded by DST and the Research Council of Norway.
2. Development and implementation of MPPT algorithm for solar photovoltaic system under uniform and non- uniform shaded conditions.
3. Low-Cost High-Performance Inverter
4. Establishment of Real time Simulation Platform for Renewable Energy and Smart Grid System
5. Evaluation of Solar PV System Performance Under Partial Shading Conditions

**PATENTS GRANTED IN THE AREA OF SOLAR ENERGY**

<b>S. No</b>	<b>Patent details</b>	<b>Patent Number</b>
1.	Portable solar powered house	296907
2.	Solar Hot Box	306647
3.	Solar Electric Candle	306649
4.	Generator Powered Concrete Mixer	313498-003
5.	Solar Electric Multi Candle	306648
6.	Portable Solar Vegetable and Fish Dryer	306764
7.	Display Tray for Solar Flower	310989
8.	Solar fish Tank Lid for Aquiculture	306646
9.	Solar Powered Speed Breaker Alerting Device	313558-003
10.	Solar Powered Portable Speed Breaker Alerting	313580-001
11.	Solar Powered Liquid Mixer	313615-002
12.	Solar Cricket stump stand	316782-001
13.	Solar Cricket stump stand with Stumps	316782-002
14.	Solar Powered Container with Liquid Mixer	313615-001
15.	Solar Vendor's Cart with Mist spraying system	316779-003
16.	Solar Surface Mat with Mist spraying system for Vendors	316777-002
17.	Solar Operable Touch Free Sanitizer Dispenser	332951-001
18.	Solar Operable Automatic Sanitizer with Detachable Solar Panel	334511-002
19.	Solar Operated Touch Free Sanitizer with LED Illumination	334511-001