

Dr. A. SHYAM M.E., PhD.,

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EDUCATION DETAILS

DEGREE	SPECIALIZATION	YEAR OF PASSING	CLASS/GRADE	NAME OF THE COLLEGE/UNIVERSITY
B.E.	Mechanical Engineering	2015	8.55 CGPA First Class with Distinction	Anna University - Chennai
M.E.	Solar Energy	2018	9.62 CGPA First Class with Distinction	College of Engineering, Guindy Anna University, Chennai
Ph.D.	Mechanical Engineering	2022	Highly Commended	College of Engineering, Guindy Anna University, Chennai

FELLOWSHIP

- ❖ Received the **National Renewable Energy Fellowship** from **Ministry of New and Renewable Energy (MNRE), Government of India** for pursuing **M.E Solar Energy** at **CEG Campus, Anna University, Chennai**.

HONORS AND AWARDS

- ❖ Project entitled "Experimental Investigation of Solar Cooker Incorporating with PCM Thermal Storage" presented with model at TNSCST Seminar-Cum-Exhibition held on 19th and 20th July 2019 at Kalasalingam University, Srivilliputhur. **Won State Level First Prize (Best Project Model) under Mechanical Engineering Discipline.**

MEMBERSHIP IN PROFESSIONAL BODIES

- ❖ Life member in Society of Energy Engineers & Managers (SEEM), **ID : 330217380971**

PROJECTS

S.NO	TITLE	SPONSORING AGENCY	PERIOD	AMOUNT IN RS.	STATUS
1.	EME- 096 Experimental Investigation of Solar Cooker Incorporating with PCM Thermal Storage	TNSCST – SPS	2018-2019	7,500	Successfully Completed
2.	EME-074 Portable solar refrigeration system- A novel food and vaccines preservation technology	TNSCST – SPS	2019-2020	7,500	Successfully Completed

RESEARCH PAPER

- ❖ **Shyam, A.,** Arshad Ahmed, K.R., Iniyan, S. and Goic, R., 2023. **Experimental investigation in a solar parabolic trough collector with optimized secondary optics.** Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 45(2), pp.5994-6009. **(Impact Factor: 2.902)**
- ❖ Christopher, S.S., Arshad Ahmed, K.R., **Shyam, A.** and Iniyan, S., 2023. **Experimental study in a compound parabolic solar concentrator with different configurations of thermal energy storage system.** International Journal of Green Energy, pp.1-10. **(Impact Factor: 3.206)**
- ❖ Arshad Ahmed, K.R., Prasanna Naveen Kumar, J., **Shyam, A.,** Natarajan, E., Iniyan, S. and Goic, R., 2022. **Experimental investigation on a solar parabolic trough receiver tube enhanced by toroidal rings.** International Journal of Energy Research, 46(5), pp.6637-6653. **(Impact Factor: 4.672)**
- ❖ **Shyam, A.,** Iniyan, S. and Goic, R., 2021. **Optical performance enhancement in a solar parabolic trough collector with optimized secondary optics.** Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, pp.1-18. **(Impact Factor: 3.447)**

FACULTY DEVELOPMENT PROGRAM

S.NO	COURSE NAME	CONDUCTED BY	START DATE	END DATE
1	Strength of Materials	FDTC, GCT	12/12/2022	16/12/2022
2	Trends in 3D Printing & Manufacturing Techniques	NITTTRC	30/01/2023	03/02/2023
3	Refresher course on Refrigeration and Air conditioning	NITTTRC	13/02/2023	17/02/2023
4	Advances in Welding & Manufacturing	NITTTRC	27/02/2023	03/03/2023
5	Nanotechnology and Applications	NITTTRC	14/04/2023	21/04/2023

NPTEL ONLINE CERTIFICATION

S.NO	COURSE NAME	CONDUCTED BY	SESSION	DURATION
1	Roadmap for Patent Creation	IITK	Jan-Mar 2023	8 Weeks
2	Steam and Gas Power Systems	IITR	Feb-Apr 2023	8 Weeks

INTERNATIONAL CONFERENCE

S.NO	CONFERENCE NAME & CONDUCTED BY	PAPER TITLE	START DATE	END DATE
1	Vaanum Mannum 2023, Agri Sakthi & Startup TN, Tamilnadu.	Solar Energy Application in Agriculture	07/01/2023	08/01/2023

CONFERENCE PUBLICATION

1. Dr. N. Thangavelu and **Dr. A. Shyam**, Solar Energy Application in Agriculture, Vaanum Mannum 2023, International Agriculture Science Conference – Agri Sakthi, SI. No. 19, pp. 131-137, **ISBN No: 979-8-88896-814-8.**

REVIEWER

- ❖ Contributed as a **Reviewer** to carry out peer review of research articles in the **Second International Conference on Sustainable Energy, Environment and Green Technologies (ICSEEGT 2022)**, organized by **Poornima College of Engineering, India**, during **June 24-25, 2022 (Certificate ID: ICSEEGT2022_RE_3038)**.

SKILLS

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| ❖ PTC Creo parametric | ❖ ANSYS WORKBENCH |
| ❖ Trace Pro | ❖ Tonatiuh |