



Sham Sundar S

Associate Professor
Department of Mechanical Engineering
NIE, Mysuru.

CONTACT

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Professional Experiences:

Teaching: 33Years

Industry:0

Research:20 Years

Courses Taught:

- Power Plant Engineering
- Microgrid with RE-Integration
- Renewable Energy Technologies
- Applied Thermodynamics

ABOUT ME

I am SHAMSUNDAR SUBBARAO currently, Head , of NIE-Centre For Renewable Energy & Sustainable Technologies.(NIE-CREST) and Associate Professor in Department Of Mechanical Engineering at The National Institute Of Engineering,(NIE), Mysore, India .

The National Institute Of Engineering is one of the prestigious Engineering Institute in India which has been started before independence .i.e. in the year 1946 .

I have done my Bachelor Degree in Mechanical Engineering from Karnatak University, Dharwad, Karnataka, India during 1985-89 and Masters Degree in Renewable Energy,(1999-2000) from University of Oldenburg, Germany, under prestigious DAAD scholarship (German Academic Exchange programme) .

I have over 20 years of experience in designing Renewable Energy and sustainable Technologie systems.

I am specialized in Biogas Technology from Kitchen waste for thermal, electricity and compression to cylinders & Organic waste, RE-Microgrids, Biomass Energy Technologies , Solar Energy , Rainwater harvesting , and other sustainable & green technologies .

I have also has more than 33 years of Teaching Experience in the Higher education sector in the area of Mechanical Engineering Technologies.

I have also involved in International and National consultancy, & projects , promotion & dissemination of Renewable & sustainable Technologies.

I actively participate in many rural development programs to promote renewable energytechnologies in rural Karnataka.

I have conducted many workshops and training programmes onRenewable Energy , Rainwater Harvesting technologies to the rural/urban people under service tocommunity projects.

RESEARCH INTERESTS:

- Renewable Energy and sustainable Technologie systems.
- Kitchen waste for thermal, electricity and compression to cylinders & Organic waste, RE-Microgrids, Biomass Energy Technologies , Solar Energy , Rainwater harvesting , and other sustainable & green technologies .

EDUCATION

M.E/M.Tech. - Masters in Renewable Energy, from university of Oldenburg,Germany.(1999-2000).

B.E., - Bachelor Degree in Mechanical Engineering, Karnatak University, Dharwad (1985-1989).

PUBLICATIONS

Smart Solar Home System with Solar Forecasting

MEM: Energy management system for low voltage DC microgrids

Preparation and Characterization of Nanocrystalline CuS Thin Films for Dye-Sensitized Solar cells

FDP/STTP/ WORKSHOPS/CONFERENCES/SEMINARS ATTENDED:

ICSWHK2023: International Conference on Solid Waste 2023: Waste Management in Circular Economy and Climate Resilience (ICSWHK2023).

Abu Dhabi International Progressive Energy Congress (ADIPEC- 2023).

OTHER INFORMATION:

(Patents Filed/ Membership/Administration/Consultancy/Evaluator/Research Guidance and funding/Awards/Key Roles/)

Awards:

Pride of Mysuru Award-2015, Pragathi Prathistana, Mysore, 05-04-2015.

Best Engineer Award-2014”, Lions club of Mysore, 01-10-2014.

Dakshina Kesari - Best Engineer Award-2011, Lions club of Mysore, South, 25- 09-2011.

DAAD-Germany, Scholarship for Master Degree studies, 1999-2000.