

# FACULTY AT CLEANTECH101

## 1. Narasimhan Santhanam Cofounder and Director, EAI



Narasimhan Santhanam is a co-founder of EAI and serves as its director. Narasimhan has extensive experience in understanding renewable energy markets and strategic levers for success in these markets. His special focus has been his work on the Indian renewable energy industry. His work for the Indian renewable energy industry has focused on providing business intelligence, strategic consulting and opportunity analysis to entrepreneurs, top management and businesses expanding into renewable energy.

### Specific areas of expertise:

- Wind Power
- Biomass Energy
- Emerging Renewable Energy Sources
- Energy Storage

### Skills in Renewable Energy Industry

- Strategic Consulting
- Entry and Diversification Strategies
- Market and Industry Research
- Industry Research

Narasimhan has a B.Tech in Aerospace Engineering from the prestigious Indian Institute of Technology Madras (IITM) & an MBA from the Indian Institute of Management, Calcutta (IIMC)

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## 2. P. DEVANAND, Founder & CEO-Seed-Sustainable Energy & Environment Designs



Dev Anand comes with over 21 years' experience in the field of renewable energy, water and waste water treatment, thermal engineering & clean development mechanism. He founded SEED in 2013, that manages complex environmental challenges using cost effective approaches and advanced technical expertise. Prior to this, Dev led Chempure Technologies Pvt Ltd., an EPC organization that provides total environmental solutions, as Director Technical & Business.

## Highlights of Indigenous Research Efforts

- Fluidized bed bioreactor for treating domestic sewage and industrial waste water
- Energy optimization in membrane bioreactors and hybrid systems
- Mobile water treatment plants for Rural market
- Bio enzymatic treatment of wastewater
- Plastics to fuel oil by pyrolysis
- Mini sewage treatment systems using MSAB technology

## Research Work in Progress

- Carbon capture through algae harvest
- Up flow sludge blanket filter performance evaluation
- Textile dye wastewater through anaerobic reactor
- Bio – oil from Biomass
- Microbial fuel cells for wastewater treatment

## Education

- Bachelors in Mechanical Engineering- University of Madras, India
  - Masters of Science- Environmental Management in TNAU – Coimbatore, India
  - Masters of Business Administration- International Business-IMT,Ghaziabad, India
  - Diploma in Carbon Management–Loreus Institute, UK
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## 3. MR. S.Kannan

### Director –AMSET Energy Systems & Solution Pvt.Ltd

S Kannan is a Mechanical Engineer from CIT Coimbatore and MBA. He is also Certified Energy Auditor of Bureau of Energy Efficiency, Ministry of Power. Kannan is into energy efficiency sector since 1991, serving diverse functions in different Industries. With a decade long experience of promoting components in Renewable Energy space coupled with Energy Audit assignments across varied Business segments and Thermal system design, Kannan, contributes to AMSET Energy in the following areas:

- Energy as a major Cost input, impacting Business profits
  - Viewing Energy from “process centric” perspective than “utility centric” contributing towards productivity/quality gains
  - Energy management as a system on a journey-not transactional, but relationship approach.
  - From Awareness creation to Award winning.
  - Means and Processes are as important as the End
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## 4. Raja Manuel Muthayya

### Senior Consultant, EAI



Raja is a part of EAI's strategic consulting team and heads the solar division of the team.

Raja has been at the forefront of assisting Indian companies implement rooftop solar systems. He has been instrumental in providing professional evaluation frameworks that maximised returns for companies investing in rooftop solar.

In addition to his expertise in rooftop solar, Raja has extensive experience in financial modelling, and has helped value some of the most famous real estate assets in the world. His career has spanned Citigroup, GRO, McKinsey and HP. He has an MBA from the Singapore Institute of Commerce.

### Specific areas of expertise

- Rooftop Solar PV
- Utility scale solar PV
- Electric Vehicles
- Green Buildings

### Skills in renewable energy

- Feasibility studies
  - Techno-commercial research
  - Strategic market research
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## 5. Mathumitha Balu

### Senior Research Analyst, EAI



Mathumitha Balu is a part of the Solar and Bio-energy team of EAI and has been a market and technology analyst at EAI since 2008. She is responsible for primary research, secondary data analysis, forecasting, and report preparation.

Mathumitha holds an MSc from Bharathidasan University.

### Specific areas of expertise

- Biofuels
- Bio-based products such as organic produce, nutraceuticals
- Solar PV

## Skills in renewable energy

- Industry research in emerging biofuels and other emerging bio-products
- Feasibility studies for bio-plastics
- Techno-commercial research