

## ICRERA 2025

# 14th INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS

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**Paper ID** \_\_\_\_\_ : 485

**Paper Title** \_\_\_\_\_ : Intelligent Fuzzy Control of PMSG-Based Diesel Generator Sets for Reactive Power Compensation and Power Quality Improvement

### **Bio :**

Dr. Syed Riyaz Ahammed is currently working as Deputy Director for International Relations and Associate Professor in Dept. of Electronics & communication Engineering at Nitte University, Mangalore.

Dr. Syed comes with an academic background of Bachelors in Electronics and Communication Engineering. With his keen interest towards robotics engineering, he has pursued masters in Mechatronics Engineering from Vellore Institute of Technology followed by PhD in Additive Manufacturing.

With his passion towards multi-disciplinary research, during his PhD he has printed flexible electronic circuits / skin sensors using advanced 3D Bio printing technologies which help in real time health monitoring.

His areas of research include Micro Electro Mechanical Systems, Robotics, Automation, 3D Printing, Renewable Energy Systems, Grid sustainability

Dr. Syed has published 35+ research articles as on date and has been invited as a resource person in 50+ programs for technical talks in his area of expertise.