

Roll No:NPTEL21EE68S13880140

To P S MANOHARAN  
ASSOCIATE PROFESSOR, DEPARTMENT OF EEE  
THIAGARAJAR COLLEGE OF ENGINEERING  
MADURAI  
TAMIL NADU - 625015  
PH. NO :9486019204



Duration of NPTEL course: 8 Weeks

No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP



# NPTEL-AICTE Faculty Development Programme



(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

**P S MANOHARAN**

for successfully completing the course

**Introduction to Smart Grid**

with a consolidated score of **57 %**



Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

(Jul-Sep 2021)

Prof. Dileep N. Malkhede  
Advisor-I (Research, Institute & Faculty Development)  
All India Council for Technical Education

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To validate and check scores: <http://nptel.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24<sup>th</sup> July 2018, similar to other refresher / orientation courses.  
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18