

Roll No:NPTEL21MG43S14020811

To MRS APARNA LALITKUMAR PATIL  
MAULI BUNGLOW, NEARR PADMAN NAGAR  
AGASHI, VIRAR W, TAL-VASAI, DIST-PALGHAR  
VIRAR WEST  
MAHARASHTRA - 401301  
PH. NO :8097252378



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

**MRS APARNA LALITKUMAR PATIL**

for successfully completing the course

**Introduction to Operations Research**

with a consolidated score of **72 %**



Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

(Feb-Apr 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