



JSS MAHAVIDYAPEETHA
JSS ACADEMY OF TECHNICAL EDUCATION
JSSATE Campus, Uttarahalli – Kengeri Main Road, Bengaluru – 560060
Department of Physics

Innovations by the Faculty in Teaching and Learning

Academic year: 2025-26

The following faculties have undergone courses through NPTEL

#	Faculty	Area
01	Dr. Nityanand Choudhary	Physics of Nanomaterials

Academic year: 2021-22

The following faculties have undergone courses through NPTEL

#	Faculty	Area
01	Dr. Nityanand Choudhary	Solid state Physics
02	Dr. S Prasanna Kumar	Structural analysis of nanomaterials
03	Dr. R Shashidhar	Solid state Physics
04	Dr. Abhilasha Singh	Solid state Physics

Academic year: 2020-21

The following faculties have undergone courses through NPTEL

#	Faculty	Area
01	Dr. Nityanand Choudhary	Solar Photovoltaics Fundamentals, Technology And Applications
02	Dr. S Prasanna Kumar	Optical sensors, lasers, fundamentals and applications
03	Dr. R Shashidhar	Solar Photovoltaics Fundamentals, Technology and Applications
04	Dr. Abhilasha Singh	Solar Photovoltaics Fundamentals, Technology and Applications,
05	Mrs. Sushma K C	Solar Photovoltaics Fundamentals, Technology And Applications

Academic year: 2019-20

The following faculties have undergone courses through NPTEL

#	Faculty	Area
01	Dr. Nityanand Choudhary	Python for Data Sciences, Solar Photovoltaics Fundamentals, Technology and Applications
02	Dr. R Shashidhar	Selection Of Nano materials For Energy Harvesting And Storage Application,

03	Dr. Abhilasha Singh	Numerical methods and Simulation techniques for Scientist and Engineers,
04	Mrs. Sushma K C	Optical Sensors,

The following faculties have undergone courses through COURSERA

#	Faculty	Area
01	Dr. Nityanand Choudhary	HTML, CSS and java script for web developer
02	Dr. S Prasanna Kumar	From the Big Bang to dark Energy, Astronomy: Exploring Time and Space, Particle Physics An Introduction
03	Dr. R Shashidhar	Semiconductor Physics
04	Dr. Abhilasha Singh	Semiconductor Physics

Knowledge gained through NPTEL and COURSERA courses has been very much useful in teaching students and also enhanced our research skills.