



Self Financed Course-cum Workshop on
Photonics Principles and Optical Networks (PPON-2020)
(with **Dr. Rajat Kumar Singh** as Main Teacher and Coordinator)
in **Online Mode** (due to COVID-19)
29-31st May 2020

Schedule

DAY –1 (Friday, 29th May, 2020)

TIMINGS

ACTIVITIES

10.00am to 11.00am	Lecture - 1 – RKS-1-(Introduction to Optical Networks)
11:00am to 11:15am	Break
11:15am to 12:30pm	Lecture – 2 – YNS-1-(WDM/Single and Multi Hop Networks)
12:30pm to 12:45pm	Break
12:45pm to 02:00pm	Lecture – 3 – YNS-2-(Elastic Optical Networks)
02:00pm to 03:00pm	Lunch Break
03:00pm to 04:30pm	Lecture - 4 – RKS-2-(Modulation/DeMod Techniques in Optical Network)
04:30pm to 06:00pm	Lab Session -1 – RKS-(OptiSystem Software Demonstration)

DAY –2 (Saturday, 30th May, 2020)

TIMINGS

ACTIVITIES

10.00am to 10.30am	Message from the Director, IIT-Allahabad
10.30am to 12.00pm	Lecture - 5 – SV-1- (Machine Learning for Optical Networks)
12:00pm to 12:15pm	Break
12:15pm to 01:45pm	Lecture – 6 – YNS-3-(Protection and Restoration in Optical Networks)
01:45pm to 03:00pm	Lunch Break
03:00pm to 04:00pm	Lecture - 7 – RKS-3-(Optical Time Division Multiplexing -OTDM)
04:00pm to 06:00pm	Lab Session -2 - RKS-(OptiSystem Software Demonstration)

DAY –3 (Sunday, 31st May, 2020)

TIMINGS

ACTIVITIES

10.00am to 11.30am	Lecture - 8 – AT-1-(Photonic Crystal Fibers (PCF) and Plasmonics)
11:30am to 11:45am	Break
11:45am to 01:15pm	Lecture – 9 – RKS-4-(Optical Switching and Buffering)
01:15pm to 03:00pm	Lunch Break
03:00pm to 04:00pm	Lecture – 10 – RKS-5-(Congestion Control and Quality of Service)
04:00pm to 06:00pm	Lab Session -3 – RKS-(NetSim Software Demonstration)
06:00pm to 06:10pm	Vote of Thanks by RKS

Acronyms:

YNS- Prof. Y N Singh
AT- Dr. Akhilesh Tiwari

SV- Prof. Shekhar Verma
RKS- Dr. Rajat Kumar Singh