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Vellore Institute of Technology (VIT)

VIT was established to provide quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education consistently. The campus has a cosmopolitan atmosphere with students from all corners of the globe. At VIT, we prioritize student growth, empowering them through the guidance of highly experienced and knowledgeable educators. Our commitment to international standards in teaching and research fuels our pursuit of academic excellence.

About OptiSystem

OptiSystem is an optical communication system simulation package for designing, testing, and optimizing virtually any type of optical link in the physical layer of a broad spectrum of optical networks, from analog video broadcasting systems to intercontinental backbones.

Resource Persons

Dr. A. Sangeetha

Dr. G. Aarthi

Dept. of Communication Engg, VIT -Vellore

Advisory Committee

Dr. Jasmin Pemeena Priyadarsini M

Professor HAG & Dean

School of Electronics Engineering, VIT –Vellore

Dr. Kannadassan. D

Professor & Head,

Dept. of Communication Engg, VIT -Vellore

Workshop Benefits

- Hands-on experience with OptiSystem plan, test, and simulate optical links in the transmission layer
- To understand the fiber linear and non-linear effects on the optical Links

Topics covered

- Introduction to OptiSystem
- Design Optical links for different Line Encoding Schemes
- Analyze the effect of attenuation, dispersion on the transmissions.
- Analyze the effect of SPM, CPM and FWM
- Evaluate the Gain Spectrum, Gain Saturation, Noise Figure of EDFA and SOA
- Design and evaluate CWDM and DWDM
- Design Passive Optical Networks, CATv.



VIT[®]

**One day FDP/ Workshop on
OptiSystem**

for

Optical System Design

Venue : TT144

Organized by

School of Electronics Engineering (SENSE)

10th Jan, 2026 (Saturday)

Time : 10.00 AM - 5:00 PM



Registration

Registration Fee : Rs. 200 (High Tea included)

Registration Link: <https://events.vit.ac.in>

Coordinators:

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