

**Visvesvaraya National Institute of Technology, Nagpur**  
**Department of Electronics and Communication Engineering**

Jan. 16, 2018

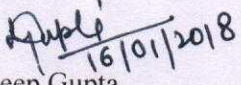
Note: Report on Short term Training Programme on "Role of Optimization in Engineering Applications" held on Dec 26-30, 2017

Five days STTP were organized for the students and faculties of engineering colleges under TEQIP III, in which students and faculties of VNIT Nagpur, SATI Vidisha and the RCOEM Nagpur participated. In the duration of this STTP, Five experts from the IITs and Industry had delivered the lectures on several topics that are given as follows,

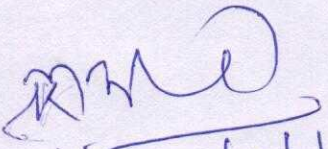
1. Guest speaker: Dr. Ajit Rajwade, IIT Bombay  
 Topics of lectures: *Compressive sensing, Practical compressive sensing system, Reconstruction algorithms, Application of optimization approaches*
2. Guest speaker: Dr. Yogendra Shastri, IIT Bomabay  
 Topic of lectures: *Multidimensional unconstrained optimization problem, Multivariable optimization, Constrained optimization. Nonlinear programming*
3. Guest speaker: Dr. P. Balamurugan, IIT Bomabay  
 Topics of lectures: *Convex function-Higher dimensional representations, Proximal methods, LASSO problem, Supervised learning problem, Stochastic Optimization*
4. Guest speaker: Dr. K. Sajan, GE Hyderabad  
 Topics of lectures: *Evolutionary Algorithms, Swarm intelligence, nature inspired approaches*
5. Guest speaker: Dr. Madhurima Bandyopadhyay, CAC, Bengaluru  
 Topics of lectures: *Automotive LiDAR, Feature Tracking, WASP imagery*

The students enjoyed the presentations and were greatly benefitted by the lectures.

Thanks and Regards

  
 16/01/2018  
 Dr. Deep Gupta  
 Course Coordinator  
 Department of ECE, VNIT Nagpur

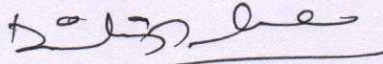
Through:

  
 16/1/18  
 Head, ECE Department

To

The TEQIP III Coordinator

File - TEQIP III

  
 17.1.18





**Group Photo of Participants of SATI Vidisha**



**Inaugural of the Virtual Class Room LH-1**



**Presenting a book to Dr. Ajit Rajwade, IIT Bombay**



**Address by Honb'le Director, VNIT Nagpur**



**Participants in duration of a Lecture of TEQIP III sponsored STTP  
"Role of Optimization in Engineering Applications" (Dec, 26-30, 2017)**