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Annexure I

### Summary after attending the workshop

**Name:** Dr. Gaurav Saxena  
**Designation and Address:** Asst. Professor, Department of Physics,  
Govt. Women Engg. College, Ajmer

**Name of the workshop attended:** "TEQIP workshop on Electromagnetic Theory"  
**Venue and date of the workshop:** PBCEC, IIT Kanpur, May 1-5, 2015

This workshop discussed the contemporary aspects of teaching EMT in a physics course at the technical colleges. There were model lectures, tutorial-sessions and discussions and homework/exam problems. In addition to understanding and appreciating the contemporary aspects of traditional EMT, lectures by experts were attempt to present the seamless transition from EMT to optics and lasers. One of the outcomes is to commend the contents covered in the workshop to form part of the engineering physics curriculum.

Following speakers have given talk on electro-magnetic field theory and sub topics:

1. Prof. J. K. Bhattacharjee, HRI, Allahabad
2. Prof. H. S. Mani, CMI, Chennai
3. Prof. K. Srinivasan, Toronto
4. Prof. H. C. Verma, IIT Kanpur
5. Prof. M. K. Verma, IIT Kanpur

Optics Lab and electromagnetic lab of IIT Kanpur have also been visited at last day.

This workshop aimed to fight with the idea that Physics department seems to function as a service department to the main stream engineering and technology departments. In this context, this workshop provided a big challenge to keep the right motivation for learning (and teaching) physics as a subject with its own individual identity.

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There were certain reports highlighting the new phenomenon in electromagnetic theory, optics and lasers. Conclusions arrived at the workshop are broad based and lengthy and it is difficult to mention here. However, the recommendations and conclusions emerged consensually after protracted deliberations to carry forward further the research in this area and to strengthen knowledge of EMT which can be deliver to B. Tech students elaborately.

The workshop was of great interest for me and researchers in the field of electromagnetic theory, optics and lasers. A very lively and fruitful discussion on the subject was carried out during the workshop. So attending this workshop provided me an opportunity to get an exposure of latest developments this field of optics and electromagnetism and to have personal interaction with established scientists and researchers in during the workshop. With these words I am thankful to TEQIP-II for giving me this great opportunity.

Date: 09 May, 2015

Place: Ajmer

  
(Dr. Gaurav Saxena)