The PG and Research Department of Physics, Lady Doak College, Madurai organized a Regional Interactive Seminar, first of its kind, on “Physics of Nanomaterials and its Relevant Ethical Issues” on 24th February, 2014. The resource person was Dr. Nandakumar Kalarikkal, Associate professor and Joint Director, International and Inter university center for Nanoscience and Nanotechnology, Mahatma Gandhi University, Kottayam, Kerala. Students from in and around Madurai participated in this seminar. Dr. Beulah J.M. Rajkumar, Associate professor and Head of the Department delivered the welcome address and introduced the resource person. There were two sessions in the morning headed by Dr. Nandakumar Kalarikkal on Physics of Nanomaterials. The seminar gave an overall insight on the diverse areas of nanoscience, biomedical applications and approaches to nanoscale structures. The session after lunch was a new venture, wherein the peer participants from different disciplines and colleges were asked to prepare a power point presentation on any one of the following titles. Surface Plasmon Resonance and its Applications, Carbon Nano structured materials and on the Biomedical Applications of Nanomaterials. These titles were given in advance and the participants were given time to discuss and incorporate the input given in the morning session. It served as a platform for students to share their ideas. The students were divided into 13 groups based on the chosen topic and all the groups presented a short power point presentation. The participants felt that peer learning was effective and that they were able to develop a good rapport with their batch mates from other colleges and other disciplines. Prizes were awarded to the best group presentation. Ms. R. Rajalakshmi president of PG association delivered the vote of thanks.