

ANNEXURE – A: NATIONAL SEMINAR REPORT



ADHI
COLLEGE OF ENGINEERING & TECHNOLOGY

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NATIONAL SEMINAR ON “RECENT ADVANCEMENTS IN NANOMATERIALS”

Invited Speaker: Dr. R. Jayavel, Director, Centre for Research, Anna University, Chennai.

Date: March 27th, 2017

Time: 10.30 a.m. - 12.30 p.m.

Venue: Seminar Hall, Main Building

Organizer: Dr. S. Padmaja, Professor and Head Dept. of Physics

Attending students: 65 external and 120 internal participants were registered.

ABOUT THE SPEAKER

Dr. R. Jayavel, is presently the Director, Centre for Research, Anna University, Chennai. He has been working in the teaching field for about 21 years, including 26 years of research experience in the field of Nanomaterials, Nanocrystalline thin films, Ferroelectric single crystals, Laser and Nonlinear Optical Crystals, semiconductors and supercapacitors. He has established the Centre for Nanoscience and Technology in 2005 which has been recognized by Department of Science and Technology (DST, New Delhi) with a financial assistantship of Rs. 5 crores for conducting M.Tech., Programme on Nanoscience and Technology for the period of 2008-2014 and with his constant effort the centre has got an additional amount of Rs. 4.8 crores for the year 2016-2021.

His work had led to more 416 publications both International and national, 130 invited lectures and more than 340 submitted presentations at scientific meetings. He is well-cited author with more than 4901 citations and an H-index of 36. He has supervised 34 doctoral thesis and 4 Post doctoral fellowship. He received several researcher awards and served as a Visiting Professor at various universities in several countries like Australia, Germany and Japan and also signed MoU's and exchange programmes for academic and research collaboration. In addition, he also acts as a member for about seven academic bodies and five professional bodies. Currently, he is supervising ten doctoral students and one post doctoral fellow.

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ABOUT THE PROGRAM

The aim of the seminar was to provide a common platform to academicians and young professionals to gain new ideas and explore the various aspects of Nanotechnology. The session has emphasized on the current state of understanding the future trends of research in synthesis and application of nanomaterials in various fields like Engineering, Science and Technology. Furthermore, the lecture has educated the students about the complete engineering application process at the nanoscale, starting with the nanoscale materials and structures, to nanoscale devices and systems. He also cited several facts on the development of nano-structured materials for energy storage devices. The students actively participated in the seminar which led to an interactive discussion and made the session lively. The session went on by addressing the following

- ✦ Basics of Nanotechnology
- ✦ Synthesis of Nanomaterials
- ✦ Nanoengineering applications in electronics, spintronics, solar cells, thermoelectric devices, batteries, fuel-cells, nano-electromechanical systems (NEMS), physical, chemical and bio-sensors

He concluded the session by focusing on the vigilant of various societal, ethical, global and environmental challenges of the potential use of this technology.

PHOTO GALLERY



Principal welcomes the Chief Guest

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Dr. Jayavel delivering the lecture



Principal honors the Chief Guest

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Participants in the seminar