

APPLICATION OF CONTROL SYSTEM IN AEROSPACE ENGINEERING

Guest lecture on “**Application of control system in Aerospace Engineering**” was organized by AIAE on **11th Mar, 2016** at **A-Block Room No.301**. The lecture was delivered by Dr Deepak Kumar, Assistant Professor in Electrical Engineering Department of Motilal Nehru National Institute of Technology, Allahabad, India. In his Lecture various methods were defined to reduce the order of a system keeping all the system characteristics unchanged, these techniques were known as Model order reduction. He discussed about the feedback and feed forward techniques in the control system which is very useful to design any system in any field of specialization like Aerospace, Medical, Electrical and Mechanical. These techniques are particularly important and path breaking because it can reduce the complexity and cost of the system significantly. The speaker had also explained that how control system is applicable to aerospace field by using some his recently published research papers. This lecture was very useful for faculties and students of AIAE. AISST and ASET. The participation strength of the students was sixty and the lecture was attended by six faculties of our institution. Different questions had been asked regarding the application, validity and usefulness of Model order reduction technique and the speaker had satisfactorily replied all.