Course Number and Name BGE012 - MEMS AND NANOTECHNOLOGY Course Objective To inspire the students to expect to the trends in development and synthesizing of nano systems and measuring systems to nano scale. To expose the students to the evolution of Nano systems, to the various fabrication techniques. Also to impart knowledge to the students about nano materials and various nano measurements techniques. Prerequisites Co-requisites Nil **Rapid Prototyping** required, elective, or selected elective (as per Table 5-1) Non Major Elective Course Outcomes (COs) CO₁ The students are expected to understand MEMS CO₂ Methods for Processing MEMS materials CO₃ Characteristic techniques of micro system fabrication process To expose the students to the evolution of Nano technology CO4 CO5 Also to impart knowledge to the students about nano materials and various nano measurements techniques Introduction of nano scale manufacturing CO6 Student Outcomes (SOs) from Criterion 3 covered by this Course COs/SOs h i k CO1 Μ CO₂ Н Μ Н

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