

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPALLI – 620 012



Department of Mechanical Engineering
ONE DAY FACULTY DEVELOPMENT PROGRAM
ON
NEW PRODUCT DESIGN AND DEVELOPMENT

A Report

The Department of Mechanical Engineering organized a one day Faculty Development Programme on “NEW PRODUCT DESIGN AND DEVELOPMENT” on 8th June 2019. This programme was conducted in association with Vi Microsystems Pvt. Ltd., Chennai. Dr. R.Vijarajeshwaran, Technical Expert, Vi Micro Systems Pvt, Ltd., Chennai was the invited guest. In the forenoon session , Dr. R.Vijarajeshwaran gave brief lecture on Digital Twin and emphasized that Digital Twins are virtual replicas of physical devices that data scientists and IT professionals can use to run simulations before actual devices are built and deployed. He also added that it can be used to monitor real-time prescriptive analytics and test predictive maintenance to optimize asset performance. In the afternoon session, the trainer Mr.K.Muthukaleeswaran from Vi Microsystems Pvt. Ltd., Chennai gave an exhaustive training on “SIMCENTER AMESIM”-Multi domain simulation software to the faculty members. He elaborated about AMESIM software which is a PLM software that helps to work in multi disciplinary domains. It possesses about 45 libraries which will be more effective in exploring multi disciplines of engineering & research. AMESIM also includes a salient feature of importing 2D & 3D sketches from CAD software. Interactive training in both theoretical and practical session was provided to the faculty members. The training was attended by 19 faculty members of Mechanical Engineering Department.