

Report on Research Symposium 2019 on “Recent Trends in Engineering and Industry 4.0”

Sardar Patel College of Engineering has organised Research Symposium 2019 during 6th and 7th May 2019 on Recent Trends in Engineering and Industry 4.0. This Research Symposium was organised under twinning activity of TEQIP—III for Mentee Institute Rewa Engineering College, Rewa, M.P. The primary objective of the symposium was to explore recent trends in engineering and to focus on technology pertaining to industry 4.0 revolutions. The symposium aimed to enrich the faculty and researchers in applying recent technology and for analyzing and finding solutions of various sophisticated science and engineering problems. To fulfil these objectives eminent speakers were invited in lecture series and poster presentation was arranged for the participants. Total 121 participants registered for the research symposium from various institutions across India.



Photograph 1: Inaugural function of Research Symposium 2019

In lecture series Dr. Vijay Bapat, Professor and former Head Industrial Design Centre of IIT Bombay delivered expert talk on Creativity and Products Design and Innovation. He motivates the participants to build the creative thoughts in research work and designing the products. He shares many case studies in his lecture.



Photograph 2: Keynote Lecture by Dr. Vijay Bapat

Dr. U. Chandrasekhar, Advisor to DRDO and Visiting faculty at IIT Bombay delivered lecture on Additive Manufacturing being one of the driving technologies in Industry 4.0. The transition of additive manufacturing from prototyping to product design and thus its impact on large horizon is explained by Dr. U. Chandrasekhar. Furthermore, Dr. Faruk Kazi, Professor, Electrical Engineering Department of VJTI delivered lecture on Robotics and Industry 4.0. He highlighted building of intelligent and connected robots in his lecture. The opportunities and infrastructural requirements in India to be part of Industry 4.0 were also highlights of Dr. Kazi's talk. Lecture on technologies pertaining to 4.0 was delivered by Dr. Rajesh Bukatr of SPCE, Mumbai. The various technologies driving Industry 4.0 were briefed in his talk. Furthermore, use of Augmented Reality in teaching learning processes, remote maintenance was demonstrated in his lecture.



Photograph 3: Display of Posters in Research Symposium



Photograph 4: Poster Presentation Session

Research Symposium also provided opportunities for the participants to showcase their research work in the form of poster presentation. Total 71 research posters were presented by the participants from various institutions in the research symposium. The panel evaluated the presented posters and based on evaluation awards were given for the best three posters. Participants Mr. Santosh Kamble et.al, Mr. Aditya Kenge et. al and Mrs. Megha Nagrale et al. won first, second and third prizes respectively in the poster presentations.