



## **TINKERING LABORATORY**

### **REPORT OF TINKERING LABORATORY INAUGURATION**

MVJ College of Engineering had organized the inaugural function of Tinkering, Innovation and Entrepreneurship Ecosystem on Sep 24, 2016. The aim of installing and inaugurating tinkering lab is to promote innovation and entrepreneurship among students.

The program commenced with a welcome note from Ms. Hida Prem, followed by a melodious and devotional invocation song. As a mark of triumph over darkness, Dr. Prem Shankar Goel, Chief Guest for the event, Prof. Raghunandan, Peer review committee members, Prof. Sameer Khandekar, Chief Guest and resource person for the day, Dr. B N Suresh, Governing Council Chairman, Prof Thyagarajan, Director - Research and Development, Prof. M. Brindha, Vice Principal lighted the lamp for an auspicious beginning.

Prof. Thyagarajan, Director R&D extended a warm welcome towards the entire gathering. Addressing the gathering he emphasized on research and innovation and shared real time innovation examples thus sharing how technology is changing our lives today.

Followed by the address, Prof M. Brindha, Vice Principal, welcomed and introduced Dr. P.S. Goel, chief guest to the gathering. Prof P.S Goel completed his masters in applied electronics and servomechanism from Indian Institute of Science, Bangalore and doctoral studies from Bangalore University. He started his career with initiating activity on Satellite Altitude Control System for spinning RS-1 satellite at Trivandrum and later moved to Bangalore as part of Aryabhata Project Team. Dr. Goel was Chairman, Spacecraft System Advisory board for IRS-1, project engineer AOCS for Apple and associate project director of INSAT-II. He was Head Control Systems, Group Director AOCS and many such projects materialized under his enterprising leadership. Dr. Goel is Secretary, Ministry of Earth Sciences and has been conferred upon "Padmashree", one of the highest honors of the nation in 2001. Currently Dr. Goel is Raja Ramanna Chair Professor at NIAS, Honorary Distinguished Professor at

ISRO Headquarters Bangalore and also chairing the Technology Research Board (TRB), Ministry of Earth Sciences.

Prof. Goel addressed the gathering on the occasion and emphasized on initiation of innovation. He also stressed on importance of Tinkering, Jugaad, Innovation, Developing, restructuring. He expressed that today engineers can make a lot of difference to the lives of people through developmental research and tinkering. He shared many inspiring insights and also emphasized on synergizing resources.

Followed by inspiring thoughts of Prof. Goel, Prof M. Brindha, Vice Principal, welcomed and introduced Dr. Sameer Khandekar, chief guest, to the gathering. Prof. Khandekar is associated with Department of Mechanical Engineering, Indian Institute of Technology, Kanpur. He completed the master's degree from IIT Kanpur in 2000 and subsequently earned doctoral degree from University of Stuttgart, Germany. He is recipient of P.K Kelkar Research Fellowship from IIT Kanpur in 2008-11. DAAD Fellowship in 2011, Prof. Seetharamu Award in 2010 from society of heat and mass transfer, George Grover Medal in 2007 from the International Heat Pipe committee and Young Scientist Award from department of Atomic Energy. He is member of International Heat Pipe committee and editorial board member of two international Journals on science and technology of heat pipes. He has served as academic senate member of one central and one state funded autonomous engineering college. He is currently serving as associate dean of Innovation and Incubation of IIT Kanpur since 2015.

The introduction of Dr. Sameer Khandekar was followed by his talk. In the session he stressed on being the harbinger of change for the society through innovation. He mentioned that stakeholders of the ecosystem have very important role to play. He emphasized on the Generation nest skill set essentially managing Complexities, critical thinking, synergy, creativity, emotional intelligence, man machine co working etc. He also emphasized on driving potential change. The session was followed by a hands-on tinkering session where students came up with innovative ideas like Smart Stick, Smart Bridge, Smart Fridge and many more.

Post Lunch session with Dr. Sameer Khandekar gave insights about tinkering laboratory at IIT Kanpur. He shared insights conduction of tinkering laboratory and some affiliations to fulfill the idea of tinkering Lab.

The Session came to an end with a humble thank you note.



**Dr. Sameer Khandekar, Associate Professor, IIT Kanpur, delivering the lecture on "Tinkering, Innovation and Entrepreneurship Eco System" in Smt. Rajalakshmi Seminar Hall on 24 / 09 / 2016.**



**Tinkering Laboratory was inaugurated by (L TO R) Dr. P. S. Goel, Chair Professor, NIAS, IISc, Bangalore, Dr. Sameer Khandekar, Associate Professor, IIT Kanpur, Dr B.N. Suresh, President, INAE, GC Chairman, MVJCE on 24 / 09 / 2016.**

**Venue: Smt. Rajalakshmi Seminar Hall**



