

July 2018 through OCT 2019

**PVPIT's Student Front
on
Innovation, Research, and Intellectual Property Rights**

Step No.	Topics/Steps Taken	Activity, organization, location and outcomes	Activity, organization, location and outcomes	Activity, organization, location and outcomes
1.	Hands On Additive Skills	<p>Excel, Arduino, & Fritzing (Instrumentation Engg. Dept.)</p> <p>Outcome: up to 45 students were able to learn something new and practice hands on it.</p>	<p>Raspberry Pi, R & Python Programming (IT/CSE Dept.)</p> <p>Outcome: up to 15 students were able to learn something new and practice hands on it.</p>	<p>PCB design and fabrication lab (Electronics Engg. Dept.)</p> <p>Outcome: up to 30 students were able to learn and practice hands on it.</p>
2.	Field Visit/Industry Visits/Lecture on understanding real time problems faced by them	<p>Krishi Vidyan Kendra, Kanchanpur. 5 scientists from Agriculture and Food Science and Technology Backgrounds discussed on real time problems with students and faculties</p> <p>Outcome: 15 problem statements were drafted, 3 were disclosed in a competition organized at PVPIT & 2 potential projects were proposed to be conducted by our students.</p>	<p>Excella Pencils Pvt. Ltd, Miraj MIDC. Interaction and site visit with the Chief Engineer</p> <p>Outcome: 5 potential projects were proposed to be conducted by our students. Knowledge was gained on Japanese concepts on how complex processes can be optimized for cost minimization and still stay competitive</p>	
3.	External Competitions on Innovative projects	<p>i2i 2019 Innovative Project competition at Bhau Institute, COEP (30-teams registered ideas) 4 members/team</p> <p>Current no of registrant teams are 115 in 2019</p> <p>Outcome: 5-teams</p>	<p>Smart India Hackathon 2019, Govt. of India, (23-teams registered ideas) 6 members/team</p> <p>Outcome: 4-Potential IPRs</p>	<p>NTPC Challenge, Govt. of India, (3-teams registered ideas) up to 3 members/team</p> <p>Outcome: 1-Potential IPR</p>

		won national prize and/or certificates and 3-Potential IPRs		
4.	Internal Competitions on innovative projects	Poster Presentation at PVPIT (7-teams displayed their posters on innovative work being conducted) <u>5 members/team</u> Outcome: 2-Potential IPRs	Challenge to Solution (C2S) (9- teams participated) <u>6 members/team</u> Outcome: 3-teams won prizes and/or certificates 4-Potential IPRs	
5.	IPR Workshops	4 IPR Workshops Outcome: Nearly 150 faculties and up to 400 students gained knowledge on IPR concepts, like patents, designs, copy rights and trademarks	2 One-on-One Sessions Outcome: Nearly 20 faculties and up to 50 students were able to discuss about their innovative ideas and check if they were able to proceed with the IPR filing	
6.	Industry mentorship and consultation through MOUs (on reverse engineering and innovation related projects through internships)	Krishi Vidyan Kendra (KVK) , Kanchanpur, Sangli Shri. Aslam A. Shaikh , Programme Coordinator	Magnewin Energy Pvt. Ltd (MEPL) , Kupwad MIDC, Sangli Shri. Vijay Chipalkatti, CEO	Xchange Data Technologies Pvt. Ltd.(XDTPL) , Sangli Shri. Ashwin Jog, MD
7.	Industry mentorship and consultation through MOUs (on reverse engineering and innovation related projects through internships) under proposal	Mukund TransGears (MTG) , Miraj MIDC, Sangli. Shri. Vinayak Mukund Talwalkar , Proprietor	Mass Engineering , Kupwad MIDC, Sangli Shri. AKHILESH KUMAR , Tech. Director	
8.	Research mentorship and consultation through MOUs under proposal	Center of Innovation , Nikhil Analytical and Research Laboratory, Sangli Prof. Bhalba Kelkar , I/C and Product Designer	Nikhil Analytical and Research Laboratory (NARL) , Sangli Dr. S. D. Khambe , Proprietor	
9.	Initiation to bring schemes related to Research Innovation and Entrepreneurship	e Yantra , eLSI-Lab, IIT Bombay Forecasted Outcome: On yearly basis, up to 30 faculties and 150 students can be trained for advanced concepts on sensor systems, robotics, embedded	MHRD-Innovation Council , Institutes Innovation Council, Govt. of India Forecasted Outcome: On yearly basis, up to 100 students can be professionally trained to become innovators,	

		<p>systems, and automation related services.</p> <p>PVPIT students can participate in competitions organized by e-Yantra IIT Bombay and win a chance to get internship opportunities to work at IIT Bombay</p>	<p>entrepreneurs and to do startups and to contribute for the cause of Make In India</p> <p>PVPIT students can participate in competitions organized by MHRD, Govt. of India, including SIH in India, Singapore, China and Taiwan</p>	
10	Initiation to bring Schemes related to Research Innovation and Entrepreneurship (under proposal)	<p>MSME, Incubation Scheme</p> <p>Forecasted Outcome: On yearly basis, several faculties can apply and get financial assistance to purchase machinery, equipments, tools as well as get seed fund to commercialize their innovative products</p>	<p>Council of Scientific and Industrial Research (CSIR), New Delhi</p> <p>Forecasted Outcome: On yearly basis, faculties can apply and get financial assistance to do perform basic and advanced research towards development innovative products</p>	<p>Indian Council of Agricultural Research (ICAR), Govt. of India</p> <p>Forecasted Outcome: On yearly basis, several students who are interested to participate in conducting agricultural related engineering projects</p>
11	Lecture sessions and/or workshops on Innovation, IPR and entrepreneurship	Ministry of Small and Medium Enterprise (MSME) Shri A.P. Dapdardar (Asst. Director, MSME Development Institute, Mumbai).	Shri. Manish Patil , CEO Shivaji University Incubation Link, Founder of Jugad Funda Pvt. Ltd., and Director, Samruddhi TBI Foundation.	Dr. Shantanu S. Patil , Head of SRM Innovation & Design Center, SRM University, Kattankalathur, Tamilnadu.
12	Lecture sessions and/or workshops on Innovation, IPR and entrepreneurship	Mr. Dhruv Brahmhatt & Ms. Pooja Menon , MYCrave Consultancy and services, Vadodara, Gujrat	Mr. Parvez Kudroli , Senior Associate Khurana & Khurana Advocate & IP Attprney, IIPRD Mumbai.	Shri. Prathamesh Gosavi , Founder Bot.n.Brains, Pune