

January 2015

## Newsletter

Editor: Juilee Bhansali



Dr. Hemant Bhansali and Prof G G Ray visited the BETiC lab on 31<sup>st</sup> December to discuss ergonomic design aspects for laparoscopic devices. Dr. Bhansali spoke of the difficulties he faces as a surgeon while performing surgeries and Prof GiGi Ray, gave his design inputs as solutions to solving the stated problems.



The BETiC team attended the Health Tech Innovation event and lecture series organized by DeitY and SAMEER on 9<sup>th</sup> Jan'15. The event revolved around the "Make in India" theme covering topics such as *Tech Innovations in Diagnostics, Tech Innovations in treatment of Diseases, Innovations in Surgery* to name a few. The team sat through the various new product presentations and lectures by industry leaders.



Rupesh Ghyar, Chief Scientist and Amit Maurya, Research Assistant met with Dr. Sanjay Vaidya, Plastic, Cosmetic & Diabetic Foot Surgeon, at his Feet First Clinic in Matungaon 13<sup>th</sup> Jan' 15. They visited the facility and learnt about the various technologies used in treating feet wounds and ulcers. Dr. Vaidya also rendered his expertise and feedback on Amit's device prototype.



Dr. Rasik Shah visited the lab on 15<sup>th</sup> Jan' 15 to review the device prototype presented by Lata Chawla, Research Assistant. He gave his feedback and suggested some design changes to the prototype. He also discussed further possible collaboration with BETiC.



Juilee Bhansali, BETiC Proj Manager, attended a lecture on Reverse Innovation by the esteemed Prof Vijay Govindranjan on 15<sup>th</sup> Jan' 15. At the lecture he spoke on how reverse innovation works; by taking the innovations originally chartered for poor countries, adapting them, and scaling them up for worldwide use.

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Japanese delegation from Mitsubishi Co (Research & Development), Japan and their hosts from the team at TCS, Bangalore visited the OrthoCad lab on 19<sup>th</sup> Jan'15 to explore possible collaborations in Rapid Casting Tech. They were also given a tour of the BETiC section of the lab.



The BETiC team visited the Shenoy Innovation Lab located in IDC on 20<sup>th</sup> Jan'15. They were given the lab tour by the lab project manager Ms. Pallavi Thakur. The purpose of visit was to find inspiration for the lab layout and work space design. In addition, they also had a chance to know more about the various design projects by IDC professors and students, for the 'Abhikalpana Art' festival.



Dr. Tausiq and Dr. Mishra from KEM hospital visited the BETiC lab on 20<sup>th</sup> Jan'15. They were keen on possible collaboration with BETiC in the area of Orthopaedics and Prosthetics.



Sritam Rout, Research Assistant, visited Sridevi Tools, the prototype-manufacturing industry partner for BETiC, on 21<sup>st</sup> Jan'15. He spent an entire day with engineers at Sridevi Tools, discussing with them his project and prototype design, while learning about ergonomic design techniques.



Ms Charulata, Project Manager from Wadhvani Research Center visited the BETiC lab on 22<sup>nd</sup> Jan'15. Rupesh and Juilee interacted with her and discussed at length about the initiatives at BETiC and future collaboration. She was also given a complete lab tour.

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Vikas Karade presented a paper titled "XrayTo3D: Conversion of 2D X-ray Images into 3D Bone Models using Novel Algorithm: Vikas Karade & B. Ravi" in the third International Conference on Creativity and Innovation at the Grassroots (ICCI-2015) held at IIM-Ahmedabad.



Vikas Karade demonstrated his innovation, *Tabplan3D* in an exhibition at IIM-Ahmedabad and interacted with former president Dr. APJ Abdul Kalam. *Tabplan3D* is a tablet based 3D surgery planning software and based on XrayTo3D technology invented in OrthoCAD lab. *Tabplan3D* was shortlisted for the Innovation Scholars-In-Residence Program, Rashtrapati Bhavan (President House).