



**A REPORT on**

**“SSIP Boot Camp from 17/06/2019 to 21/06/2019”**

**Conducted by General Department under the guidance of Prof. R. S. Damor,  
Head of General Department**

One week SSIP Boot Camp under SSIP was organized from 17/06/2019 to 21/06/2019 during school timings i.e. 7:30 AM to 01:00 PM for the students of V.C. Technical School, Morbi by General Department. The first day of the camp had been in V.C. Technical School while other 4 days the school students had been called in the campus of the college.

On the first day, the faculty members of the college Prof. Manoj Vaghela and Prof. Jalpesh Solanki from Mechanical Engg. Deptt., delivered their talks on SSIP sensitization aligned with Start up, Atal Innovation and ideation, canvassing & designing and Faculty Mentors discussed the innovative project formulation ideas with the students by making their groups as per the allotted sessions in V.C. Technical High School. 50 students have taken part in this program on the first day.

From the second day onwards, 48 students came to the college. Dr. Sanjay Kumar Singhal and Prof. Jayant Jogi from General Deptt., delivered talks based on animations and simulations and conducted audio/video session on innovation. The innovative project formulation ideas have been exchanged between faculty mentors and students so as to reach on consent. After a short tea break, Prof. Tejas Vasavada from IT Deptt., has given an interactive talk on Internet of things.

On the third day, Faculty mentors and students finalized the projects and started arranging required material in order to execute the project. Top level projects such as ‘Toothbrush with inside paste capability’, ‘Twin blade razor with saving foam’ and ‘Animal repelling ultrasonic system design to avoid accident of animals with on road vehicles’ of BE students of the college had been demonstrated by Prof. Manoj Vaghela from Mechanical Deptt., and Prof. Santoki from Industrial Deptt. respectively. Centre of Excellence of the college have shown the hardware as well as software technologies involved in 3D printing, automation and CNC.

Fourth day started with Reverse Engineering by Prof. R. N. Chovatiya and Prof. K. K. Dave who told the students about product design and development through a software in which the students converted their own 2D photos into 3D. Students and their respective faculty mentors started giving final shape of their project, however few of the faculty mentors and their group students were getting amazed as the things were not working in the way they thought.

Fifth day started little late at 9AM as the faculty members of the college participated in International Yoga day in the college ground. Now this has been the time to give a final touch to the projects made by school students and faculty mentors. Group1, under the guidance of Dr. Sanjay Singhal of General Deptt. made the project on Conversion of water into Hydrogen and Oxygen gas while Group2 under the guidance of Prof. Jayant Jogi of General Deptt made a project entitled, “Vocal Visualiser” in which beautiful Lissajous figures were produced by sound demonstrating the symmetricity of everything in nature. Group3 in the leadership of Prof. P.K. Rathod of General Deptt made a model on Environment friendly traffic junction. Group 4mentor, Dr. Disha Tilala of General Deptt guided the students for

**Student Start-up & Innovation Policy (SSIP) Cell**

making herbal lip balm. Group 5 mentors Prof. V G Jotangiya of Electrical Deptt. and SN Gohil of Power Electronics deptt., supervised the students to make simple electric motor. Group 6 under the supervision of Prof.M.K. Pathak of Applied Mechanics Deptt & Prof. B.H.Jaiswal of Civil Engg. Deptt., has made Hydraulic Lift. Prof. M.T. Chauhan from Chemical Engg. Deptt & H.A.Parmar from Production Deptt. have mentored group7 to make Rain water harvesting. Group 8 was guided by Prof. R N Makdia of Mechanical Deptt. & DB Patel of Industrial engg. Deptt to make Tiny Revolving Fan. Patent Filling Guidelines have also been given to the students.

All 8 student groups presented their respective projects with lot of enthusiasm and energy. Students have given their feedback on the entire activity. Final session of Certificate distribution to the students has been conducted in the honorary presence of all HODs and Principal Sir. Few boys and girl students shared their experiences of the camp and the session was concluded with the blessings of HODs and Principal Sir.

**Glimpses:**



Model preparation by students.



Demonstration during COE visit



Model explanation by students



Boot camp group photo

Activity/Event Coordinator name and sign

(1) Dr. Sanjay Singhal

(2) J. K. Jogi