

Report on “Bootcamp for Innovation”

SSIP Cell of GIDC Engineering Collage had arranged 1 Day “Bootcamp for Innovation” for Higher Secondary class students of Shri. J. M. Patel and Shri. R. G. K. Naik Sarvajanic High School, Mandir Village, Navsari on 29/07/2019. The bootcamp was arranged to expose the students with creative thinking and modern technologies. Students will get encouragement to solve problem around them and may even build prototype/model based on the knowledge acquired through this bootcamp. The bootcamp was conducted by Prof. Toral Patel (Automobile Engineering Department), Prof. Nilesh Parmar (Civil Engineering Department), Prof. Tejas Patel (Computer Engineering Department) of SSIP Cell, GIDC Engineering Collage, Abrama, Navsari. Total 58 students of class 11th and 12th participated in “Bootcamp for Innovation” along with 8 Teachers.

Bootcamp started with a session by Prof. Nilesh Parmar on topic of “Design Thinking”. Students were given explanation on the basics of Creativity & Innovation. It was further explored on *“How to empathize with situation to identify common problem faced by people around you?”*. Brief exercise related to empathy was also performed by Prof. Nilesh Parmar with students along with their teachers to actually understand the word *“empathy”* and *“how design thinking works”*. All participants along with their teachers enjoyed the exercises and learned basic fundamental difference between linear/traditional thinking and creative/design thinking. The aim of the session was to identify the problem around one’s self before creating innovative product or design, as innovation come from solving problem faced by you and around you.

Prof. Toral Patel conducted next session on “Innovation”. She guided student on *“how to convert their idea into product or prototype/model”*. Students were *also inspired* by success stories of student startup shared by Prof. Toral Patel. Additionally students were also given brief information on *“how to register for SSIP?”* which can help them provide financial or mentoring support. During this session student understood the actual process of creating innovative solution for problem around them through hand-on exercise where they created idea for problem they faced in school.

Last session was conducted by Prof. Tejas B. Patel which was on “Modern Technologies”. In this session, students were briefed about *“Internet of Things and how it can be used to create solutions”*. Prof Tejas Patel also explained various IoT boards such as NodeMCU, Arduino and Raspberry Pi. Demonstration of these board were given to students to make them understand *“how these boards works?”* and *“how they can be used to create models/prototypes?”*. During the first two session students learned *“how to identify problem around them?”* and *“how to create solution or idea for the same?”*. During this session student learned *“how to convert idea into physical product/model to prove their concept works”* which later on can be refined and scaled for the consumer market.





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