India Innovation Challenge Design Contest (IICDC
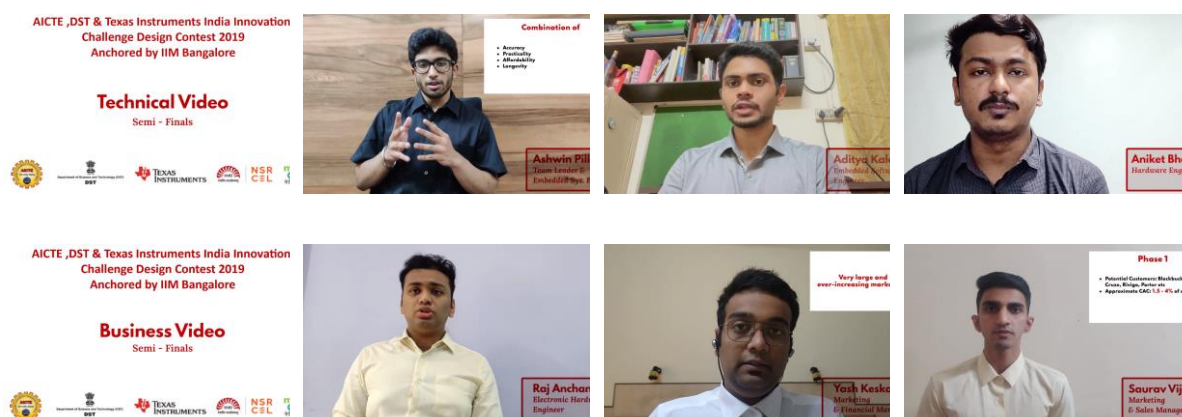
A team of six Instrumentation students of final year participated and became winners of IICDC-2019

Details of the contest and their journey through IICDC:

About the contest: India Innovation Challenge Design Contest 2019 (IICDC), is organized by Department of Science and Technology (DST) and Texas Instruments (TI), anchored by NSRCEL@IIMB, powered by AICTE mission and supported by MyGov. IICDC is a unique platform where the brightest engineering minds can showcase their innovation skills. Participants receive the right tools and get strategic support to help them move ahead in the competition. A splendid opportunity to work with stalwarts like Texas Instruments and IIMB and build something that one is passionate about. Alongside you also earn your highly valuable certificates, cash prizes, and opportunity to sit in IIMB campus and build your company.

Registration: Registrations began in Mid-July and were open until the end of September. A team consisting of 6 members: Ashwin Pillay (Team Leader), Aditya Kale, Aniket Bhadricha, Raj Anchan, Saurav Vijendran and Yash Keskar and guided by Instrumentation faculty mentor Ms. Sangeetha Prasanna Ram registered under the team name "Wobuffet" for the contest on the title of "Drowsiness detecting Wearable for Heavy Machinery Operators". More than 18,000 teams had registered, across India, for the contest.

Quarter Final Round: After registration, this team moved to the Quarter Final Round. All registered teams undergo online TI Business and Technical courses followed by the knowledge assessment. It is a quiz held on the DrishTI portal and every team member must take it. Reference materials are made available for TI components and it allows us to work on TI WEBench Tool for Power Designing. Along with the assessment we also had to submit the following:

1) Detailed Business and Technical Proposal
2) Authorization Letter signed by Faculty Mentor sealed by college

3) E-Cell Assessment letter
4) Faculty Mentor assessment letter

Templates were provided for each and the teams had to make their proposals appropriately based on the defined criteria. This inculcates the skill of business and technical writing and pitch development. Teams were evaluated based on their quality of proposal and knowledge assessment scores. Qualified teams enter into the Semi-finals. By this point, the team also had to prepare a list of the TI tools worth USD 200 which will be required by them for further stages of development.

On qualifying to the Semi-finals, the team received a Bronze Certificate from DST – TI, AICTE, IIMB along with the requested TI tools free of cost. Around 750 teams qualified for the Semi-finals.

Semi Final Round: Semi Final Round consisted of 2 phases: Phase 1: Video Submissions, Phase 2: 1:1 interview.

<u>Video submissions:</u> The teams qualified for Semi-finals had to submit videos on **Business** and **Technical** front. These videos were to be uploaded on You tube and links for the same were to be uploaded on forms provided by the organizers.

Each team had to submit 6 videos: 3 videos showcasing the Technical Innovation and Developments and 3 outlining Business Idea, Methodology, Customer Identification, Marketing and Distribution Strategies. 2 videos for each are interim videos to show the progress and development of their work and 1 final video highlighting the major points of the product. Evaluation criteria was provided and videos had to be developed accordingly. This process allowed the students to bring in improvements to the design and motivated them to research the market and the potential customers. Based on the information gathered and keeping the criteria in mind, the students developed videos and uploaded them to You tube.

The team of "Wobuffet", qualified one among the Top 100 teams selected for Phase 2 which was a 1:1 review. They were interviewed by a panel of business and technical experts for qualifying to the final round.

Final Round: Top 60 teams qualified for the finals among the total 18000+ teams which had registered and team "Wobuffet" was selected as one of the WINNERS team of IICDC

Conclave. They were provided with a winner's certificate and a cash prize of Rs. 19477/=, in a virtual conclave and have been selected to be trained under NSRCEL@IIMB Launchp