Open showcase of student technical projects at BITS Pilani Goa

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Vasco: The Department of Computer Science & Information Systems at Birla Institute of Technology and Science, Goa, will organise an open showcase on April 26, from 3:30 pm to 6 pm in Lecture Theatre-4 to exhibit its student projects as a part of SDPD course.

Over 15 projects will be on display, encompassing domains like Machine Learning, Computer Vision, Internet of Things, etc, among others.

The projects on display include: Utilities Application - an android application designed for communication between service providers that delivers products like newspapers, milk, LPG cylinders to their clients.

Smart Hydroponic Farming System - a smart home farming system that will monitor the moisture content, humidity, and temperature of plants in a small area, and resolve any deficiency immediately.

FaceFind-an application that finds missing people with the help of crowdsourcing and computer vision.

ParaDrive-a GPS based ambulance booking application which will send for the nearest ambulance on a click, with the hospital getting the user's location and medical history in the process. Autonomous Caretaker and Assistant - an autonomous robot that can search for the subject, record daily schedule, diet, medication and appointments through voice. It also detects falls and alerts someone in case of an emergency.

StockWiz-a stock market (NSE) based app for general stock information and machine learning generated insights.

Attentive.io-a project which measures the attention-span for each student in the class throughout the duration of the lecture, and later gives the professor an analysis of how many students were active at each point of time during the lecture. Crime Scene Investigation using Kinect-a project that generates the 3-D mapping of a crime scene using Microsoft Kinect and the SLAM (Simultaneous Localization and Mapping) algorithm. Major enhancement over existing mapping techniques of taking a photograph or videographing the scene, both of which cannot give precise depth information of objects.

Meet Inc. - a project that delivers a more realistic feel to the tele-presence conferences by adding depth perception and fully immersive experience for the users.

Interestify-an app that helps users connect with people who share the same interests and facilitates a medium to notify like-minded people about upcoming events. American Sign Language Translator - aimed at developing an American Sign Language recognition system that uses Convolution Neural Networks in real time to translate a video of a user's signs into text.

Smart Mirror - a voice controlled personal assistant system behind a mirror that will help manage appointments, give weather forecasts, synchronize the calendar, etc. WanderBot - a smart travel assistant that suggests users customised and optimised travel options to take them from any source to any destination at a minimum cost and in the shortest time possible. Spherical Panoramic Image Viewer - 360o image viewer app that lets users view a 360o spherical image, with options like scroll, zoom etc. It also allows selection of a specific area in the image and tagging it with textual information that will be publicly available. VR Walkaround- n interactive 360o video walkaround on Oculus Rift using touch sensor to provide users with an immersive experience.