

**BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI
DUBAI CAMPUS**

INSTRUCTION DIVISION

**Format for 2nd Project Proposal for Project Type Courses in the
1st Semester 2018-2019**

Name and ID No.: AMAN SHAIKH, 2015A7PS0039U

Contact Number and Email Id: 056 3959069, f20150039@dubai.bits-pilani.ac.in

Project number: 18191268

Project type: STUDY PROJECT

Course No.: CS F266

Project title: Facial feature extraction to analyse whether subject is lying or not

Project scope and objectives: To Experiment if extraction of facial features by video processing can determine whether a person is lying or not. Develop a working prototype and estimate accuracy and determine if such a screening can be deployed in the real world. Find feature that may assist us to improve the accuracy.

Project proposed methodology: Train the model with appropriate data sets which include training videos of people telling the truth and them lying. Checking which facial features are affected when a person lies or is telling the truth. Incorporate other features such as voice analysis to detect the tone of the person and check how much this will aid in the above experiment.

Have you done this kind of project earlier: NO

Type of elective to be considered for this project (Tick only one): Discipline elective / Open elective / Humanities elective

I have done 1 number of projects earlier and I am planning to take this project as regular / additional course.

Signature of the student 4/29/2018

Name and ID No.: AMAN SHAIKH, 2015A7PS0039U

Signature of the Instructor

Faculty name: GAURAV SAXENA

Signature of the HoD

HoD name: SANTHOSH KUMAR VASUDEVAN

Note: Students should keep a Xerox copy of this filled form.

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