# PROJECT PROPOSAL

**Intake-Section:**      **43-1**

**Project Title:**      **Smart Department**

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**Group No:**      **4**

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# 1.    Needs/Problems

We would agree that digital education enhances the learning experience of students by better engaging their attention and enabling them to grasp concepts more readily. It has changed the way education is imparted – a single query or doubt can be clarified in seconds online, there are innumerable resources available for a student online that add on to the classroom.

Most of the student of a university have a computer. A student often does not find a lot of information easily or he/she fall in trouble to find the information from others. So, we decide to make an application which is **"Smart Department"**

Where this application helps the student of any department of BUBT by providing all necessary information. It may take up to 3 months.

# 2.  Goals/Objectives

We have university website & BUBT Annex for online support of a student. But our main goal is to filter out all the benefits a department presents to students smartly.

# 3.  Methodology

> Requirements Analysis

> System Design

> Implementation

> Verification

> Maintenance

# 4.  Resources

**<u>Supported Operating Systems:</u>**

- Operating systems (64 bit recommended; ARM is not supported):

- Windows 10 version 1703 or higher: Home, Professional, Education, and Enterprise (LTSC and S are not supported)

- Windows 8.1 (with Update 2919355): Core, Professional, and Enterprise

- Windows Server 2012 R2 (with Update 2919355): Essentials, Standard, Datacenter

- Windows 7 SP1 (with latest Windows Updates): Home Premium, Professional, Enterprise, Ultimate

**<u>Hardware:</u>**

- 1.8 GHz or faster processor. Quad-core or better recommended

- 2 GB of RAM; 8 GB of RAM recommended (2.5 GB minimum if running on a virtual machine)

- Hard disk space: Minimum of 800MB up to 210 GB of available space, depending on features installed; typical installations require 20-50 GB of free space.

- Hard disk speed: to improve performance, install Windows and Visual Studio on a solid state drive (SSD).

- Video card that supports a minimum display resolution of 720p (1280 by 720); Visual Studio will work best at a resolution of WXGA (1366 by 768) or higher.

**<u>Software:</u>**

Visual Studio

**<u>Languages :</u>**

- C#

- MySQL

# 5.  Summery

Our project name is "**Smart Department**". Which is a desktop application. This is a project through which students will get all the information related to their course and department without any hassle.

Such as,

- Important notice
- Class routine
- Online class links
- References Books
- Recorded class
- Class slides & suggestions
- Course related content

# 6.  References

BUBT Official Website:  https://www.bubt.edu.bd/ , https://cse.bubt.edu.bd/