**ASSIGNMENT #1 – WRITING A RESEARCH PROPOSAL**

Topic:

Below are list of the topics. Please choose **ONE** topic.

1. The advances in emerging digital technologies, such as Radio Frequency Identification Devices (RFID), have enabled organizations to develop an innovative ways to intelligently collect data that may not possible before. Further, it leads to explosion of data and the concept of transforming the data from distributed and heterogeneous sources into an integrated enterprise view (Business Intelligence – BI solution) for supporting organizational decision making, management and strategic planning. For the Higher Education of Institutional (HEI), the value of Big Data with BI solution can be implemented in the context of Student Engagement Tracking System (SETS). Write a proposal to proposed SETS with BI solution for UTM student engagement system. The proposal should describe on how SETS can be used to integrate student’s data from education T&L online, Use of Information Desk, Library visit & use, Log on to the network, Exam registration and GSMS use. The proposal should also provide solution for analytics regarding academic results, students resource management and many more
2. Cyber-attacks involve advanced and sophisticated techniques to infiltrate corporate networks and enterprise systems. Types of attacks include advanced malware, zero day attacks and advanced persistent threats. Advance warning about attackers and intelligence about the threat landscape is considered by many security leaders to be essential features in security technologies. Big data analytics in security involves the ability to gather massive amounts of digital information to analyse, visualize and draw insights that can make it possible to predict and stop cyber-attacks. Write a proposal which proposed the study to look at the awareness among IT and IT security practitioners about the new data management and big data analytic technologies which may help organizations become more proactive and intelligent about detecting and stopping threats.
3. The Global Positioning System (GPS) is a space-based satellite navigation system that provides location information .This system uses GPS to track the location of the vehicle. This system will track location of the vehicle and will send details about the location to the admin. This system helps admin to find out the location of the driver driving the vehicle. This system can be implemented in call taxi to find out the location of the driver driving the vehicle and will help the admin to allocate taxi to the customer. Write a proposal to a taxi company to develop a vehicle tracking using taxi driver mobile GPS. The proposal should emphasize the importance of having the system and compare the benefits of the system with other systems currently in the market.

Student’s Task:

1. Students are required to prepare the **RESEARCH PROPOSAL** on the topic chosen. Please refer to the **RESEARCH PROPOSAL GUIDELINE** for the proposal’s outlined.
2. Each proposal should consist of TWO students.
3. Students need to present their proposal on **11 May 2018**. The content of the presentation should only consists of these Chapters:
   1. Title – Identify suitable title which best describe the topic given
   2. Research Problem Statement
   3. Research Questions
   4. Research Objectives
   5. Literature Review **Outline**
   6. Research Methodology
4. Students are required to present their proposal in **10 minutes** including Q&A.
5. Report need to be submitted by **25th May 2018**. Failure to do, the proposal will be rejected.