**Project Ideas**

Dear Students,

Make a group of 7 – 10 people and pick an idea that you would like to work on. Multiple groups may work on the same idea but the solution has to be different in terms of code, design and interface. A single hard copy is to be submitted per group. Make a file for the project so that all the project details goes to the same file.

The inception phase has started!

**Phase: Inception**

**Iterations: 1**

**Completion: 30th October**

**Milestone: Project Analysis**

**Artifact: Business case**

1. BEST Fast Food Restaurant

BEST Fast Food Restaurant want have a software that would help them deal with their day to day business. They would have details of customers, their sales and possible bonuses. The customer will have their points that would earn them free food. There would be two types of users i.e., the Operators who would login to run the day to day business work including adding customers and sales. The Admin would do the additional tasks of removing customers, adding/removing/updating items, adding/removing/updating promotions, adding/removing/updating deals, adding/removing/updating operators etc. The system would allow to search for any item, sale or customer. The search may be based on multiple criteria including date, customer, items, price range etc. The system should compile the bill in PDF format and allow it to be printed at two printers simultaneously, where one printer is installed at front desk to help the operator keep record of a sale. While the second printer is in kitchen and is helping the kitchen staff to know which order to prepare and to stick to the order for helping the delivery. A bill will have the customer name, phone and address. The bill details that are the items and their prices and total price including taxes if any. The system would also allow to help draw different types of analysis with the help of graphs e.g., daily sales in a month, sales of a customer in a range, items sold per day in a range etc. It would also present featured items and customers as the top 3 items sold in a month and the top 3 customers of a month. The featured will appear at all times on the screen.

[Need to know more! Schedule a meeting]

1. Fault Management System

To provide a system that allows faults detected in computers in the labs at FAST-NUCES Peshawar to be reported and tracked by users. To allow faults to be allocated to technicians. To track and manage the status of faults and solutions implemented. The program shall provide a simple Graphical User Interface. Floors shall be displayed and users will be able to select Levels (floors) by clicking on them. A user shall be able to quickly navigate to a graphical display of a computer lab. A user shall be able to select a computer and view logged faults for the selected computer. A user who is logged in shall be able to log new faults for a computer. A technician shall be able to edit faults. Any person is allowed to register as a user but must have a unique name. Only technical users (Technicians) are allowed to create new technical users. A search option shall be provided to allow the generation of fault lists based on key words entered by the user. For example the status of a fault, or the person reporting, or the date a fault was reported. It shall be possible to assign a Technician a number of labs for which they are responsible. If a fault is logged then it will automatically be assigned to the technician who has responsibility for the lab. The system is to keep details about each fault. These include who reported it, when it was reported, a unique fault number, the current status of a fault (open closed, allocated, under review), when the fault needs to be fixed by, a description of the fault, a description of what the technician has done to fix the fault and details of whom the fault has been allocated to. When viewing graphical interface of labs and computers the user must be given feedback about the state of faults of the building, lab or computer. For example the location may be red if there are opened unallocated faults, yellow if the faults are being worked on or green for other cases. All the system to present different types of graphs based on any criteria like the number of faults in a lab in a given month etc. Allow the system to provide the option of presenting any details or search results in the form of PDF and asking if to print them. It will present the top 3 users as those who has identified most faults in a month, technicians as those who have fixed most faults in a month and labs as most faults in their computers.

**Business Case (Template)**

**Title page**

1. Team Name
2. Members (Expertise)
3. Team introduction (Projects in the past)

**Goals**

What are the goals of the system to be built.

**Understanding of the project**

2/3 paragraphs on how you have understood this project. And high level idea on how you are going to do this project. You may include diagrams as well to have a rough idea of how well you have understood it and how you are going to tackle it.

**List top 10 requirements**

Each requirement as a phrase (a bullet point)

**Suggest HR budget in person hours** (your realistic estimation)

How many person hours you would need to complete this project. Present a schedule that how you would manage it.