

**CS3095 DBMS Lab**  
**Exercise No: 6**  
**Date of Announcement: 04/10/2018**  
**Due Date: 10/10/2018**  
**Marks: 5**

**B Tree**

**IMPLEMENTATION OF B TREE INDEX SCHEME (OF ORDER  $M=5$ ) FOR THE ONLINE MARKET PORTAL**

Implement a B Tree based indexing structure for the E-commerce Database that we are working on from Exercise No.1 onwards. Implement the following operations:

- a) Search the tree with the key field- Product id.
- b) Insert new product ids to the database. Your insert routine must be capable of dealing with overflows (at any level of the B Tree ).
- c) If a product is sold out or withdrawn from the site, then remove the product id and its details from the index table ( handle all case of deletion of key values from the nodes)
- d) Display the content of the B Tree in a proper, readable format after every insert, delete and search operation.

Use any language of your choice