**Project Title: Hostel Room Allotment System(VIT)**

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| Field of Study | EDUCATION | BANKING | MEDICAL | HOTELS | | INDUSTRIAL | | **RESEARCH** |
| NAME | PRAVEEN KUMAR B | | SANTHOSH NAGARAJ S | | SAGILI SREENIVAS REDDY | | S VIGNESHWARAN | |
| SIGNATURE | WP_20161111_22_55_44_Pro | | WP_20161111_23_01_17_Pro | | WP_20161111_22_55_52_Pro | | WP_20161111_23_00_51_Pro | |
| Major Module Name(s) | |  | | --- | | Implementation of DB | | | GUI using Python and DB Administration | | ER-Diagram ,Relational Schema and DB Design | | DB Design and Implementation | |
| Database Name | HOSTEL | | | | | | | |
| Table Name(s) | Room  Student  Ainfo (Academic Info ) | | | | | | | |
| Framework, Languages | Python, Tkinter, PyMySQL, PILLOW | | | | | | | |
| DB Server, version | mysql5.7.14 | | | | | | | |
| Web Server, version | NIL | | | | | | | |
| Connection String | |  | | --- | | conn=pymysql.connect(host='localhost',user='root',password='',db='project')cur=conn.cursor(pymysql.cursors.DictCursor) | |  | | | | | | | | |
| Normalization applied?  Till What level? Why? | 3NF because at this level the tables were fully normalized and was comfortable for processing the data stored in the database while creating the GUI. | | | | | | | |
| Difficulties if any during development? | Difficult to find pure python library to connect python and mysql. MySQLdb is widely used but it is based on c. | | | | | | | |
| Concepts Learned | Tkinter (GUI) using Python  Connect DB and execute SQL queries with python | | | | | | | |
| No. of lines typed (source code) | ~300 lines of code | |  | | |  | | |
| Reference | Books (-) | | Blog(1)  <https://www.youtube.com/watch?v=HjNHATw6XgY&list=PLQVvvaa0QuDclKx-QpC9wntnURXVJqLyk>  <https://gist.github.com/capung48/a5da79698a6d190c6eef> | | | Websites(3)  <http://effbot.org/tkinterbook/>  <https://pythonprogramming.net/tkinter-depth-tutorial-making-actual-program/>  <http://stackoverflow.com/> | | |
| Additional Documents REQUIRED (to be added along with this WORD DOCUMENT) | Abstract (5 Marks) | |  | | | | | |
| Flowchart/ER Diagram (10 Marks) | |  | | | | | |
| SQL Commands (10 Marks) | |  | | | | | |
| Implementation (10 Marks) | |  | | | | | |
| Demo (10 Marks)  (Sample Code and Snapshot / Live Demo) | |  | | | | | |
| References in APA format (5 Marks) | |  | | | | | |
| Evaluator Comments |  | | | | | | | |
| Marks outs of 50 |  | | | | | | | |
| Date of Evaluation |  | | | | | | | |
| Evaluator Signature |  | | | | | | | |