

**SCHOOL OF ENGINEERING & TECHNOLOGY**

**BML MUNJAL UNIVERSITY**

**WEEKLY DIARY REPORT (PS-II)**

**(STUDENT BATCH 2016-20)**

(To be submitted to PS-II instructor over mail with CC to Industry mentor)

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Station Name: **Palwal** Name of PS-II faculty instructor Ms. **Poonam Sangwan**

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|  | Week No **6** From Date 24**-06-2018** To Date 29**-06-18** | |
|  | **Date** | 23-06-18 |
|  | **Place of Work** | 1st Floor, Dharam Plaza, near Shiv Colony, Railway Road, Palwal, Haryana 121102 |
| 1 | **Project Title** | DU Locator |
| 2 | **Project Description** | DU Locator is an all-inclusive Web application designed for Du aspirants and Student. This web-site showcases information about the latest as well as previous year cut-offs of colleges and departments under DU which might be helpful for students in deciding their imminent college. It also has information about lively and recreational spots, nearby metro-stations and all the updates about the happening events of DU. |
| 3 | **Outline of the Solution** | I am working on this application to achieve the following functionalities:   * Showcasing latest and previous years’ cut-off lists of colleges of DU. * Showcasing college information (address, website, and phone). * Showcasing recreational spots near the selected college on the map. * Showcasing modes of conveyance (metro stations, bus stops) near the selected college on the map |
| 4 | **Design of the Solution** | This website total contains following functionality.   1. Parallax Imaging 2. Couple of Jumbotrons inside Container 3. Registration and Login Page 4. College Information Page 5. Latest news and Feed 6. Thumbnail of all college List 7. Authentication server 8. Serial-wise Cut off Page 9. Public Transport Page 10. Lively Spots Page 11. Query form page 12. About Page |
| 5 | **Hardware and Software Requirements** | Minimum requirements:  -Windows/Linux/mac pc  -256MB RAM  -20-25MB memory requirement.  -Internet connection  -Google Chrome  Permission required by Application:  Full Network access (Internet Connection is must) |
| 6 | **Environment** | Windows  1) Sublime Text Editor  -version 3.0.0s  2) Gimp- Creating icons, screens and UI design.  -version 2.8.14  3) Server-Side Scripting: cPanel and PHPMy Admin |
| 7 | Concepts Used | * ***API***Development * ***HTML/CSS*** – Used to design UI of Web application. * ***Google Places API*** – Used to find nearby places * ***JavaScript:*** for making website responsive by connecting html and css. * ***Node Js:*** Manipulating Data (Backend). * ***Server-Side Framework***: Express - Used for server-side scripting for the application * ***MongoDB***: For database * ***Google Maps API*** – Used to show map in the application * ***Cloud 9***: for broadcasting website with an IP   **Libraries used:**  ***Express Js*** – Used to easily retrieve data in JSON format(Framework)  ***Bootstrap*** – Used for using predefined CSS Classes.  **Npm-** package manager for JavaScript  **Mongoose-** package for database  **Method-override-** getting current page id in for Each  **Body-Parser-** Converting the String data to object (very large)  **Passport-**  **Node mailer-** |
| 8 | Testing & Validation | As our Day gets complete, Our Supervisor tests the Application and if found any bug  I Note down that And try to Solve next day. |
| 9 | Testing Material | A screen shot of a person  Description generated with high confidence  Screenshot 1. (MAIN SCREEN)  A screenshot of a social media post  Description generated with very high confidence  Screenshot 2. Thumbnail view of College List  A screenshot of a computer screen  Description generated with very high confidence  Screenshot 3. Added comment facility to ask query on click add new comment  A screenshot of a cell phone  Description generated with very high confidence  Screenshot 4. This requires login of user before adding comment.  A screenshot of a social media post  Description generated with very high confidence  Screenshot 5. Comment Form to add new comment.  A screenshot of a computer  Description generated with very high confidence  Screenshot 6. Display of comment on college page.  A screenshot of a social media post  Description generated with very high confidence  Screenshot 7. Comment model Schema  A screenshot of a computer  Description generated with very high confidence  Screenshot 8. Comment model Schema(CONTD).  A screenshot of a cell phone  Description generated with very high confidence  Screenshot 9. Comment model Routes Get and Post Route |
| 12 | References | <http://stackoverflow.com>  <http://www.w3schools.com>  <http://www.mdnDevelopers.com>  <https://www.guru99.com/node-js-tutorial.html>  www.tutorialsteacher.com/nodejs/nodejs-tutorials |
| 13 | **Day 1 – (24-06-18)**  **Day 2 – (25-06-18)**  **Day 3 – (26-06-18**  **Day 4 – (27-06-18)**  **Screenshots**  **Day 5 – (28-05-18)**  **Screenshots** | * Worked on Bug that crashes the whole app, it arises due to missing body-parser package. * At this stage the code length becomes around 2000 lines * I was asked to make code clean. * Embedded file for comment facility were made * while adding comment login is mandatory. * Only then move to comment form. * Connected the comments to the database using (connect-mongoose) . * Worked on ID distribution to comment so that data will not lost after reloading page. * Worked on making comments stylish using Bootstrap. * While putting comment found server scripting can be modified and anyone can fork our code. * This bug requires networking scripting, it took me around 3 hours to solve.   .       * We were ready to serve my product as a complete package to our customer but our supervisor direct me to work on making website look more elegant. * Container UI were used for making new cool effects while scrolling. * Minor front end modifications were made to look website interactive. |