

**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 **3** From Date 0**4-06-2018** To Date 08**-06-18** | |
|  | **Date** | 04-05-18 |
|  | **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. Serial-wise Cut off Page 7. Public Transport Page 8. Lively Spots Page 9. 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 |
| 8 | Testing & Validation | As our Day gets complete, Our Supervisor they test the Application and if found any bug  I Note down that, And try to Solve next day. |
| 9 | Testing Material | Screenshot 1. When Login Button Clicks. (MAIN SCREEN)    Screenshot 2. Login Page Pops Up’s instantly within that page only.    A screenshot of a cell phone  Description generated with very high confidence  Screenshot 3. Cloud9 online integrated developed environment to broadcast website    Screenshot 4. Rendering html and css files and setup a server using express.  A person sitting on display in front of a computer screen  Description generated with high confidence  Screenshot 5. Slide show of second out of four parallax Image Effect (Main Screen).  A large building  Description generated with very high confidence  Screenshot 6 Parallax imaging effect third out of four (Main Screen)    Screenshot 7. Main Screen (AUTO ANIMATED)  A screenshot of a social media post  Description generated with very high confidence  Screenshot 8. JavaScript code for animated Parallax Imaging  A screenshot of a social media post  Description generated with very high confidence    Screenshot 9. JavaScript for rendering slides.  A screenshot of a social media post  Description generated with very high confidence  Screenshot 10 verified API Key from google developer console.  A screenshot of a social media post  Description generated with very high confidence  Screenshot 11. JavaScript code for Google maps.  A screenshot of a cell phone  Description generated with high confidence  *Screenshot 12. List of lively recreational spots.*  A screenshot of a cell phone  Description generated with very high confidence  Screenshot 12. Cut off List |
| 12 | References | <http://stackoverflow.com>  <http://www.w3schools.com>  http://www.mdnDevelopers.com |
| 13 | **Day 1 – (04-06-18)**  **Screenshot**  **Day 2 – (05-06-18)**  **Day 3 – (06-06-18)**  **Screenshots**  **Day 4 – (07-06-18)**  **Screenshots**  **Day 5 – (08-05-18)**  **Screenshots**  **Screenshots** | * **To** displays cut-off lists in Serialise manner 4 different Lists were added to get filter out cut off list. Those are, Category stream, year, number. This screen activity retrieves back information from our MongoDB database that is present on our server in the JSON format but we cannot display JSON format so first we parsed it , And   Then after displayed on the screen in form of Relation.   * We found that google maps traking service lagging while prompting it took me 4 hours but finally I found solution on stack overflow and problem gets solved. * Feedback option was added. * SlideShare of Images that on main Screen were added on this day. * frontend as well as Backend part of the Google Maps was done. The Maps latitudinal data were updated in Company Database by the DBS in Mongo DB then this data retrieves back on the screen rendered with html and css. A Node Js API was made for this. And this done for all the colleges. * All the applications of colleges were entered in the single Acivity Using Node Js-Express . * Frontend was made more elegant. There was some problem in view of college info (complete details were not visible for few colleges), it was resolved. * Backend Data was modified * Some new places were added to the application.   Initially in the search bar you had to click on the search icon but now u can tap anywhere on the search bar to start a search       * All the cut-off lists were verified from the database of Our Organisation.   We strive with one problem with application rendering and Nav Bar Collapse. Then It was resolved. Now when you scroll down nav Bar gets sticks, the topmost toolbar which has DU Locator written in it gets hidden and when u scroll up it is visible again. It took me 5-6 Hours but finally this was done. |