

**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 **4** From Date 11**-06-2018** To Date 15**-06-18** | |
|  | **Date** | 11-06-18 |
|  | **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. Authenticity server 8. Serial-wise Cut off Page 9. Public Transport Page 10. Lively Spots Page 11. 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-overide-** getting current page id in forEach  **Body-Parser-** Converting the String data to object (very large) |
| 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 | A screen shot of a person  Description generated with high confidence  Screenshot 1. Nav Bar size Bug Removed. (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 cell phone  Description generated with very high confidence  Screenshot 3. (CONTD.))    Screenshot 4. Mongo Server Scripting    Screenshot 5. Mongo Server Started.  A screenshot of a social media post  Description generated with very high confidence    Screenshot 6. Main Restful Route Code and database Schema.  A screenshot of a social media post  Description generated with very high confidence  Screenshot 7. Restful Routes (Get, Post, Put, Delete)    Screenshot 8. Showing the Specific college Details at specific page  A screenshot of a social media post  Description generated with very high confidence    Screenshot 9. Finding Page id using Page Indexing.  A screenshot of a social media post  Description generated with very high confidence  *Screenshot 10. Portfolio page of ATMA RAM thumbnail.*  A screenshot of a computer screen  Description generated with very high confidence  *Screenshot 11. Cut-off Sequential of each college pdf’s which can be downloaded.*  A screenshot of a cell phone  Description generated with very high confidence  *Screenshot 12. Daulat Ram College Page containing all details like address recreation spots etc.*    Screenshot 13. Cut-off List of Atma Ram College (1-7 ).    *Screenshot 14. Pdf cut-off List which is downloadable.*    *Screenshot 15. To prevent code redundancy a new ejs file of nav bar made.* |
| 12 | References | <http://stackoverflow.com>  <http://www.w3schools.com>  http://www.mdnDevelopers.com |
| 13 | **Day 1 – (11-06-18)**  **Screenshot**  **Day 2 – (12-06-18)**  **Day 3 – (13-06-18**  **Day 4 – (14-06-18)**  **Screenshots**  **Day 5 – (15-05-18)**  **Screenshots**  **Screenshots** | * The size of nav-bar size changes automatically and sometimes disappears on any page, this bug was removed on that day which took me around 4-5 hours to fix. And on this day, I worked on making website more elegant. * This day I started Main Backend work like installing Mongoose using NMP on cloud9 server and the Schema of our website decided on the basis, I encoded the data which was provided by the company and uploaded on MongoDB Server like cut-off lists, college logo and Images and API location containing lively spots as well. * This day I started working on front end to connect the best suited style for encasing database finally I decided grid view containing thumbnail. Each thumbnail has more button which peep to new page containing all information regarding this. * 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       * when some thumbnails were clicked, we got different page id which moves to wrong page, this bug was the major, So to fix this we had to change our complete backend code . * *Api Bugs Fixed* * *So to reduce code redundancy Put Route was setup by which new college list can be entered easily* * *A email id was created to open put Route* |