

**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 18**-06-2018** To Date 22**-06-18** | |
|  | **Date** | 18-06-18 |
|  | **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-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. (MAIN SCREEN)  A screenshot of a social media post  Description generated with very high confidence  Screenshot 2. Thumbnail view of College List    Screenshot 3. Modified Signup page support flash messages which display on main screen and instant login as well  A screen shot of a computer  Description generated with high confidence    Screenshot 4. Automatically changes signup and login to logout with currently user name. also shows flash message to confirmation of signup    A screen shot of a computer  Description generated with high confidence  Screenshot 5. Confirmation flash message of logout and changing in navbar from logout to login and signup again.      Screenshot 6. Page to add information about college which will make POST request to main page auto.  screenshot:7  Screenshot 8. Auto reload to main page after entering details    Screenshot 9. Footer Bug removed (container)  A screenshot of a social media post  Description generated with very high confidence    Screenshot 10. All included package for Authentication  A screenshot of a social media post  Description generated with very high confidence  Screenshot 11. Signup Auth Route  A screenshot of a computer  Description generated with very high confidence  Screenshot 12. Login Auth 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 – (18-06-18)**  **Screenshot**  **Day 2 – (19-06-18)**  **Day 3 – (20-06-18**  **Day 4 – (21-06-18)**  **Screenshots**  **Day 5 – (15-05-18)**  **Screenshots**  **Screenshots** | * Worked on Flash message for user convinience while visiting website. * Total 9 flash messages were added, written code from scrach. * Worked on npm packages using them for flash messages * New embedded JavaScript file were made for Signup Route * Connected the Signup Page with mongoose for storing user data like username, Password, Email. * Gave access using Post route to made modification on navbar * Changes were made from signup, login to logout and display current login user name on the navigation bar. * New embedded JavaScript file were made for Login Route * Connected the Login Page with mongoose for checking whether typed username is present on Database or not? If there give access else alert pop-up message shows. * Gave access using Post route to made modification on navbar * Like changing from signup, login to logout and display current login user name on the navbar.   .   * Logout functionality were added * Flash messages shown (Successful Logout) if everything goes well else pop-up alert * worked with navigation bar for making it customisable as per authorization. * Proper directory was made to clean-up code.        * While working with authorisation security issues arises like anyone could modify our code while Login. * Worked on security and giving proper access to Auth route to prevent from hacking kind of things. * Suddenly our website crashes completely, this bug was removed, this was one of the toughest bug I ever faced it took me 2 days to fix. |