## Mini Project Problem Statement

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| Application under Test | OrangeHRM (Open source Employee Management application) (locally hosted).. |
| Start Date | 26th November 2021 |
| End Date | 17th December 2021 |
| Final Expected Outcome | * Selenium scripts * Reports generated * Logs, appropriate screenshots as applicable * Follow scrum methodology. * Use appropriate templates for Test Case writing, presentation, etc. * Modularization/ framework * Proper naming convention and all best Practices followed. * Present the learnings, challenges faced, process followed, demo of script execution along with report generation. * Record a Demo in screenshot format along with the explanation. |
| Deliverables location | * GitHub/GitLab (These details will be shared soon) |
| POC | Mentors:  Group5– Sunil Bansal or Varsha Bakshi  Technical help: Sunil Bansal,Varsha Bakshi, Anuprita Nagpure, Renuka Kulkarni. |

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| Group | **Problem Statement:**  **Requirements:**   * **GUI Automation** (using TestNG) –   Identify 20-30 Test Cases from different modules. (At max 10 test cases each module).  Do a feasibility study, to find out which tests are automatable/ not automatable along with the reason.  Pick most suitable 20-30 Test cases and automate using POM + DDT (using Excel) approach.Page Factory model, Apache POI. Deliberately fail a couple of test cases, so that report shows combination of Pass and Failed Test cases. Generate appropriate reports, Extent Reports, Customizable Emailable Report.  Read all possible configurations from a .csv,xls,xlsx file.  Read the input data required in your scripts from an **excel** file.  Your automation should have an in-build mechanism to execute the scripts across different Browsers.  **Tools to be used:**   * **Maven (and its dependencies)** * **Selenium with Java for GUI Automation.** * **For Rest API Testing** (using Postman) * **Specific Challenges: (Api testing automation using Rest Assured)** |

**Some more insights about the application chosen:**

OrangeHRM includes a full suite of applications for **comprehensive human capital management**: core HR, time and attendance, candidate recruiting, performance reviews, absence management, benefits administration and more.

OrangeHRM provides **useful modules for recruitment, benefits, time and attendance, leave management, employee self service, personnel information management, and more**. All these modules are combined in single platform allowing you to re-engineer and align your HR processes in line with your company goals. OrangeHRM is an expansive open-source HR software provider, meaning its **most basic services are free and web-based**.





