

**Post Graduate Diploma in Advanced Computing (PG-DAC)**

**September 2022 Batch**

|  |  |
| --- | --- |
| Group Number | Group - 5 |
| Guide | Mr. Pankaj Kumar Mahto |
| Group Members | 1. Bhawana Tiwari 2. Aman Jain 3. Eqtedar Afzal 4. Tarun Namdev |
| Title | **CDAC at a Glance** |
| Objective | 1. To provide learners with access to a wide range of online courses, tutorials, and other learning resources. 2. To provide learners with opportunities to evaluate their learning and earn certifications that demonstrate their knowledge and skills in areas related to advanced computing and electronics. 3. To deliver personalized learning experiences that cater to the individual needs and interests of learners. 4. To increase access to high-quality e-learning opportunities, particularly for learners who may not have access to traditional educational resources. |
| Abstract | CDAC AT A GLANCE is a centralized website which aims in developing a e-learning platform to access all study related data at a single platform which is required for their pg-diploma course. This website includes various features getting all the contents regarding course ,download feature is also available so as student can collect data at one place.Faculty will be able to provide course regarding information over here.It lessens the work of faculties as well as better way for students to get updated . To eliminate the manual system, this website has been developed which will handle all the current issues faced by the students.  It has a facility for admin login through which the admin can monitor the whole system. It has a facility where students after logging in to their accounts can see the syllabus regarding contents issued .Overall, this project of ours is being developed to help the faculty of the organisation and the students pursuing the course. |
| Project Architecture |  |
| Scope of work | 1. Development of high quality, interactive e-learning content. 2. Customization and personalization of content. 3. It provides opportunities for learners to collaborate with one another as well as other experts in their respective fields. 4. In future can be used for other CDAC institutes also. |
| Technologies used | Front End: HTML5, CSS3, JavaScript6, Bootstrap5, React  Back End: Springboot REST API, Hibernate  Database: MYSQL/Workbench  **IDE** : Spring Tool Suite 4 |
| Application | 1. It provides a user-friendly interface which is easy to use.  2. Uploading and retrieving of content is easy.  3. It gives appropriate access to authorized users depending on  their permissions  4. The system has sufficient scope for modification in future if  necessary. |
| Project Timelines  (Total:120 hours) | Time plan of the Project:  1. Abstract  2. ER Diagram and Database  3. Coding  4. Code Testing  5. Project Report |
|  |  |