CHAPTER 1

ABOUT CONTINEO (E-Sutra Chronicle)

1.1 Vision

To build world class products with Indian relevance and global applicability. Our mission is to accelerate the adoption of academic autonomy in India through IT.

1.2 Mission

Our innovative, category creating products for the Indian and international education sector are marketed under the brand name of 'Contineo

1.3 About company:

'Contineo' is a pioneering software platform for implementation and administration of academic autonomy. Contineo executes full academic autonomy culminating in secure, confidential, accurate, efficient and auditable examinations of both the digitized answer script and conventional paper and pen variety.

The contineo IT platform helps organizations to quickly get their autonomous processes under control and provides insightful analytics so they can focus on academic innovation and research.

With contineo, your academic journey can be:

Implement and administer autonomy - Foster academic excellence - Accelerate academic innovation and streamline research activities

Design philosophy

Contineo's innovative design philosophy provides users unprecedented power and control over processes through time and context aware dashboards held together in a clean, uncluttered, intuitive interface. Exception based management is intrinsic. Important functions like answer script evaluation have a unique management framework for control of the complex process through analytical visualization

Collaborative infrastructure for Research

Employing the familiar web 2.0 entry points, Contineo's research colab-spaces is an advancement on the crowdsourcing ideas of the internet. It empowers research stakeholders to connect, collaborate, create and share without constraints of physical location.

Business benefits of implementing contineo

- Granular tracking of academic plan
- Unified view across the lifecycle
- Exception based management
- Early warning system for key operating parameters
- Measurement of academic operating parameters
- Examinations management that is secure, confidential, accurate, efficient and auditable for both digitized and conventional paper and pen answer scripts
- Academic Statutory compliances
- Real time reporting to stakeholders

CHAPTER 2

ABOUT THE DEPARTMENT

College Management System

The college management system is Eco-friendly to avoid paper-based data and use this college management software. This is all in one software which includes record maintains starting from inquiry handling, student registration, till student gets passed out of the college. This software will help you with managing all day to day college activities easily. College can send an alert, information via SMS, email to parents, guardians. These can include results, absent, announcement related information.

The college management system is a completely integrated, desktop-based educational ERP solution for the institution. It is a Software suite that assures smooth administration and management of various academic and non-academic activities. **College Management System** furnishes an entire management information system and student information system. It is an intellectual platform for Students, Teachers, Parents and Management with special needs and roles.

College Management System has the following features :

- Manage Institute, Academic Years, Application Settings
- Department, Course, Subject, Syllabus etc
- Student and staff
- Fee Management
- Examination
- Hostel Management
- Administration
- Vehicle Master
- Accounting

CHAPTER 3

TASKS PERFORMED

3.1 PROJECT SUMMARY

The project that was assigned to Design and Develop the entire website for Teacher Portal .Teacher Portal system is a web based application used to manage teacher and Student details , which is basically a contains details of the subject the teacher was handling and student details like the marks and attendance in that subject .

This system is used to calculate percentage which is called as LDPR lesson Delivery Progress report which shows the progress of that lesson as per the syllabus in that particular subject

The application mainly aims at giving a complete summary of the Teacher student progress in one flow

The features are as follows:-

Assessment Details

- Which was fetched from the Database, which gives a complete details of how many test or assessments were conducted for that particular subject and how many of the student marks have been updated
- which on click can update the marks of the students that have not been updated.

Attendance

- attendance of each subject is shown in the dashboard, which contains the total classes that are needed to be conducted , the remaining classes that are to be conducted

LDPR:

- LDPR which stands for Lesson delivery progress report which gives the detailed analysis of what percentage of syllabus is cleared in that subject

Flutter App Development

- Initially they hired me to develop a hybrid app i.e both iOS and Android. Flutter is an open-source UI software development kit created by Google. It is used to develop applications for Android, iOS, Windows, Mac, Linux, Google Fuchsia. and the web. For which I started learning flutter and built a small app which manages students details from the database

Responsiveness of the website

- Responsive Web design is the approach that suggests that design and development should respond to the user's behavior and environment based on screen size, platform and orientation. The practice consists of a mix of flexible grids and layouts, images and an intelligent use of CSS media queries. Apart from design and development of teacher dash board I was assignment a job to convert the existing website completely into responsive website

3.2 CONCEPTS AND TOOLS USED

LOYALTY MANAGEMENT SYSTEM is an application developed using MEAN stack. MEAN is a user-friendly full-stack JavaScript framework ideal for building dynamic websites and applications. It is a free and open-source stack designed to supply developers with a quick and organized method for creating rapid prototypes of MEAN-based web applications. One of the main benefits of the MEAN stack is that a single language, JavaScript, runs on every level of the application, making it an efficient and modern approach to web development.

3.2.1 phpMyAdmin

phpMyAdmin is a free and open source administration tool for MySQL and MariaDB. As a portable web application written primarily in PHP, it has become one of the most popular MySQL administration tools, especially for web hosting service

3.2.2 EXPRESS

Express is a mature, flexible, lightweight server framework. It is designed for building single, multi-page, and hybrid web applications. This lightweight framework uses the Pug engine to provide support for templates.

Express is the de-facto framework for Nodejs and draws heavy inspiration from Sinatra, the popular Ruby framework.

3.2.3 Flutter

Flutter is an open-source UI software development kit created by Google. It is used to develop applications for Android, iOS, Windows, Mac, Linux, Google Fuchsia. and the web. The first version of Flutter was known as codename "Sky" and ran on the Android operating system.

3.2.4 Bootstrap

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and JavaScript-based design templates for typography, forms, buttons, navigation and other interface components.

POSTMAN

Postman is a powerful HTTP client for testing web services. Postman makes it easy to test, develop and document APIs by allowing users to quickly put together both simple and complex HTTP requests.
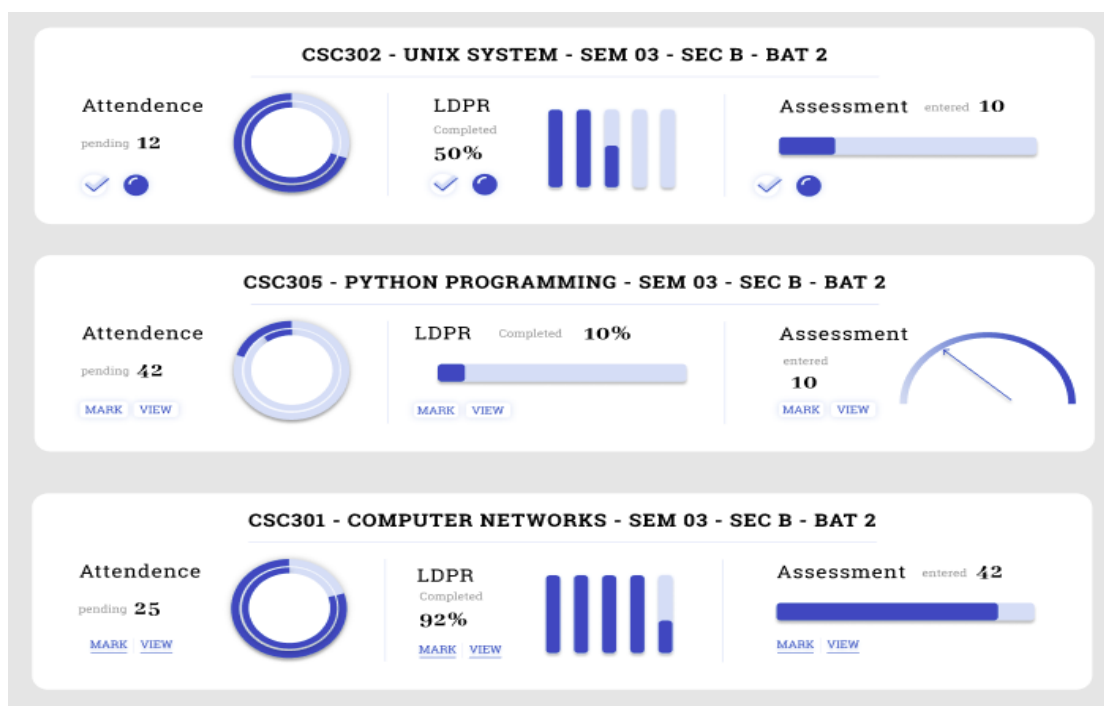
3.3 SNAPSHOTS
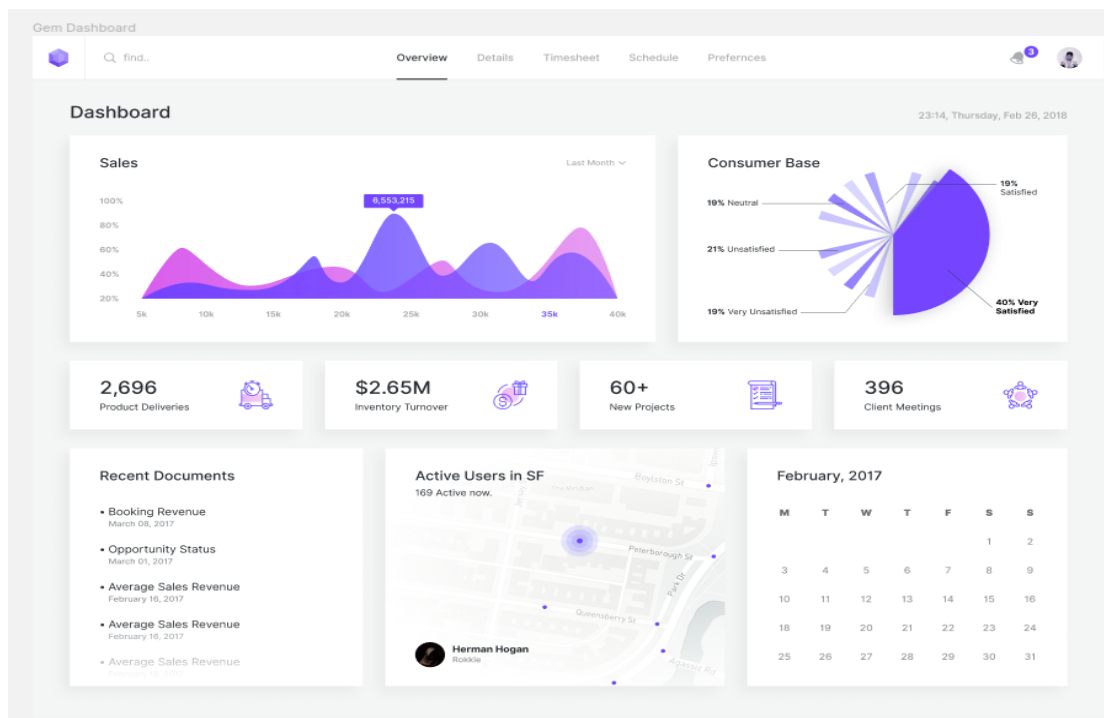
Fig 3.1 UI Design for Dashboard

This was the Dashboard designed using a tool called figma and planned to develop the dashboard to look similar to this
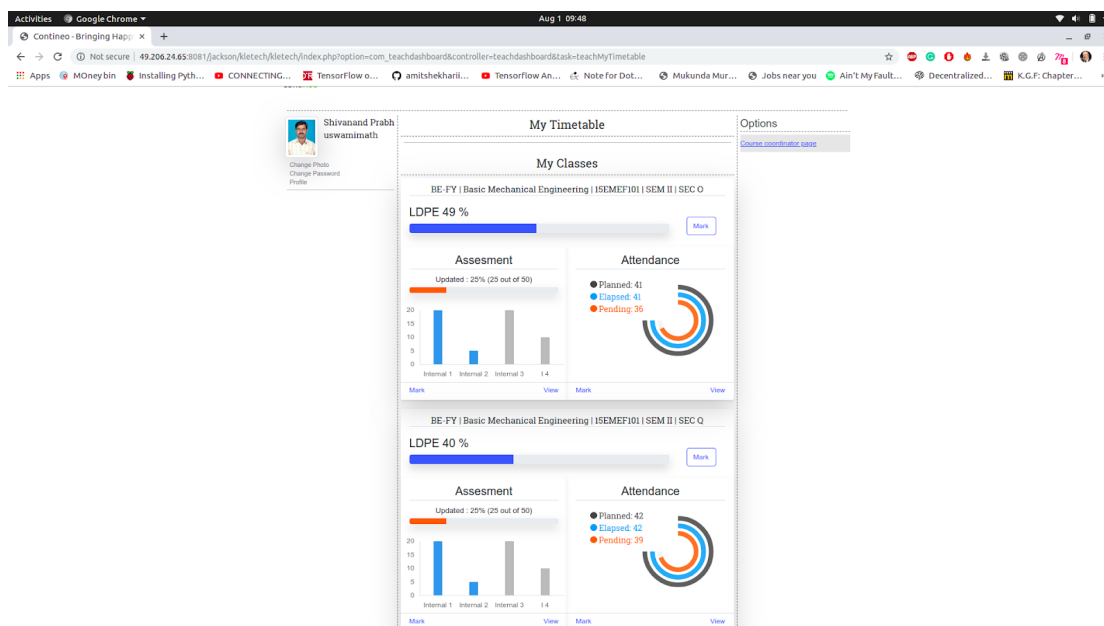
Fig 3.2 Teacher Dashboard

Gives a complete details about a teacher , the subjects that he/she is handling and the syllabus cleared by that teacher at that respective subjects

Fig 3.3 Analysis of Teacher Performance

A website that gives a complete analysis of all the Subjects like the total classes assigned to the subjects, LDPR lesson delivery progress report and Assessment

Fig 3.4 Attendance Details

This Page lets the teacher to take attendance of all the students at that particular period .
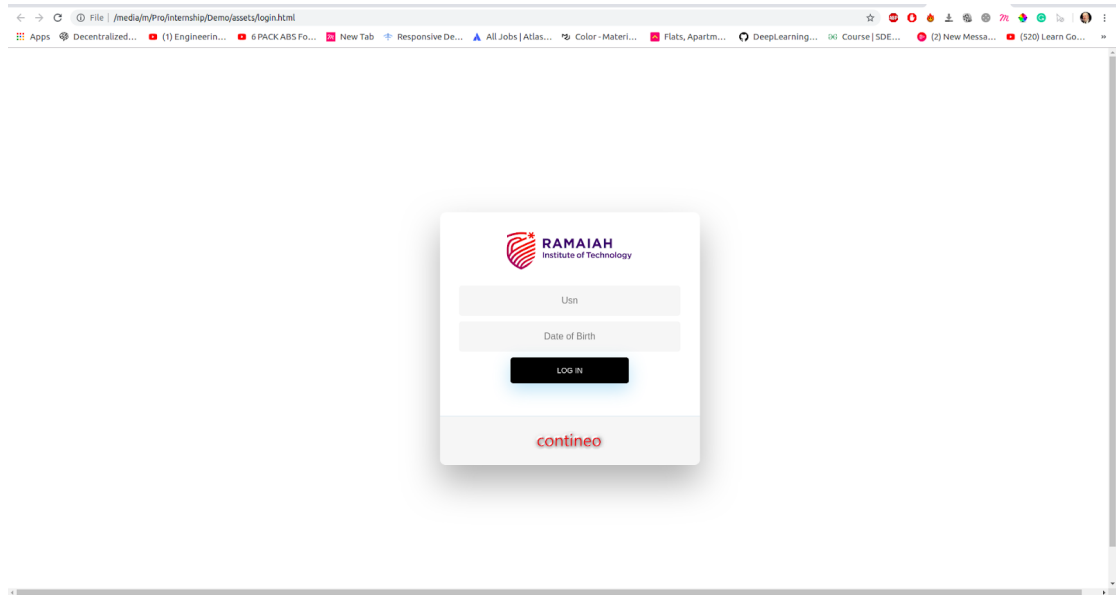
Fig 3.5 Landing Page

Landing Page designed for Ramaiah institute of Technology

CHAPTER 4

REFLECTION NOTES

Working at Contineo enabled me to understand some important aspects of being successful as an Application Developer. The most important thing is that good communication is extremely important for developing the best version of the required product. It is also important for an individual to have the ability of multi-tasking during the working hours. This will make one flexible in the workplace. It is very important to maintain punctuality in order to be successful. Another key to success entails that an individual should have a professional attitude in order to fit into the competitive market. At the same time, one should have the ability to network with people in the chosen professional field. The amount of experience gained during the internship period in Contineo Technologies India was immense.

Reflecting back, I was a person without any experience in Application Development. But, this project provided me with an opportunity to learn about all the new concepts in the field of Application Development. Concepts related to MEAN stack that seemed difficult before working on this project seems very easy to accomplish now. The entire office environment was new, and this project helped me develop team spirit to work as a team instead of as an individual. This project helped me understand the importance working under a deadline. I was able to learn how to handle stress at times when the desired objective seemed distant. I learnt how to interact with my fellow colleagues at higher positions in the corporate environment.

All in all, this internship made me grow into the corporate world and helped me blend into the industry. It helped me boost my confidence to speak efficiently and fluently without being afraid of any person and express my own views without any trouble.

CHAPTER 5

CONCLUSION

Contineo is a leader in the integration of IT and network technologies and brings more than 100 years of expertise in technological innovation to provide solutions for empowering people, businesses and society. Contineo started in India in the 2006, accelerating its growth through the expansion of business to global markets. Contineo in India expanded its business from KLE tech University ,KLS Gogte Institute of Technology, Ramaiah institute of technology Contineo in India offers innovative new services and solutions for India and global markets

The main task that was given during this tenure of 6 weeks was to gain a first-hand experience of the MEAN stack web Application Development. The technologies that were learnt during this period of internship included FLUTTER , UI and UX Designing , an open source Model-View-Controller framework, JavaScript, EXPRESS a fast, MYPHP and NoSQL database.

Along with the technical skills the internship program also provided insights on how a particular IT company works and how the process of project planning and management takes place in Contineo Technologies India. Working under the College Management also helped get to know a lot of information about how the department works and what technologies they use. This internship has successfully helped in bridging the gap between the curriculum and the industry.

EXCECUTIVE SUMMARY

Contineo is a leader in the integration of IT and network technologies and brings more than 100 years of expertise in technological innovation to provide solutions for empowering people, businesses and society. Contineo started operations in India in the 2006, 'Contineo' is a pioneering software platform for implementation and administration of academic autonomy. Contineo executes full academic autonomy culminating in secure, confidential, accurate, efficient and auditable examinations of both the digitized answer script and conventional paper and pen variety.

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 The technologies that were learnt during this period of internship included FLUTTER , UI and UX Designing , an open source Model-View-Controller framework, JavaScript, EXPRESS a fast, MYPHP and NoSQL database.

The website developed during the internship was Teacher Dashboard for KLE Tech University. The project was presented twice. The first time was the basic demo of the project, after which many functionalities were added to the application. The second time was the final submission of the project with proper working of all the functionalities and a user-friendly view to the application.