

TEAM 09 DOCUMENTATION

Readme :

Modules assigned:

6 .1,6.2,6.3,6.4,6.5,7.1,7.2,7.3,
7.4,7.5,11.1,11.2,12.31,12.32,12.33

Module number	Process	Description
6.1	Doctor consultation	The system is expected to provide features to 1. Display Doctor details 2. Doctor can manage his/her availability timings 3. Students/Employees to Book Doctors appointment 4. Provide and manage Prescriptions.
6.2	Student Medical Record Management	The system is expected to 1. Create/Edit Student medical records. 2. Generate medical reports and Certificates
6.3	Employees Medical Record Management	The system is expected to manage 1. Employee medical records. 2. Create/Edit/Delete dependent details and medical records. 3. Generate Annual medical reports of Employees.
6.4	Pharmacy data	The system is expected to Create/Edit/Delete Pharmacy Product details.

6.5	Referral letters to Hospitals	The system is expected a feature to generate referral letters to the Hospitals.
7.1	Fine Management and Due Clearance Module	Students will be able to clear their dues and fines online through a payment gateway in ERP and the details should be notified with the Library spontaneously (Integration with Koha is required). An IIT student/staff/faculty should be able to apply for a no-due certificate and get the approval online.
7.2	Status of library account	Student/faculty/staff should be able to view the library books in their account (that were issued using Koha Library management System), library fines if any, due dates of library issued books once they login to ERP (Integration with Koha is required).
7.3	Book Acquisition Module	The module will be for accepting book requests (only from Faculty/group A staff logins)- then it should come to library for duplicate checking and after that finally to LC Chairman (digital signature for approval at each stage of book acquisition form). Once approved, the approval should be downloadable.

7.4	Journal Acquisition Module	The module will be for accepting journal requests but will be time restricted to September - October in order to initiate subscriptions by January of next year. Request has to go from faculty to HoD, then to Library and then Library Committee Chairman.
7.5	Lost book Module	Library user will be able to enter lost book detail in ERP application.
11.1	Institute Vehicle Management for Guest	Travel ID, Guest Name, Guest code, Affiliation, Advance details: Travel brief, from date, to date, journey from. Journey to, Mode of travel, flight number, domestic/international, applied date, Estimates: Stay, food, travel, others Approvals: Approved date, Approved by.
11.2	Institute Guest house Management	Request No, Applied Date, Name of the Guest, Request by (in house staff or outside guest), Transit house, Room type, No of Rooms, Official/personal, check in date, Check out date, Extension required, Event/Purpose, Payment: Click on the payment, payment methods, payment done, receipt generated. Approvals: Approved date, Approved by.

12.31	Open Projects Notifications	The system is expected to provide notification regarding open projects to the concern faculty.
12.32	Processes from Accounts Module	Sponsored Project & Consultancy Project Accounts, Cash Book and Book, General Ledger, Trial Balance, Profit & Loss and Balance sheet, Materials and Fixed Asset Management for accessing purchase invoices, Depreciation %ages account-wise for fixed/current assets, LC /Wire transfer to Bank for Purchase
12.33	Processes from Purchase Module	Vendor Master, Item Master, Indent Details, RFP Document, Advance Payment, Payment After Supply, Goods Inward Document, PO Cancellation

Steps to run

1.Download and install node

For Front-end:

Open the terminal and type

npx create-react-app erp

Initializes react app and node modules will be downloaded

Cd erp

Change the directory to erp

npm start

used to execute the defined file in it without typing its execution command

For Back-end:

npm init

Set up npm package

npm install mongodb

Download mongodb driver and add dependency entry in your package.json

npm install express

Create the web application framework for node.js

npm install mongoose

Create mongoose dependency in package.json
to use mongoose in back end

GIT HUB Link: [TEAM BOOTSTRAP PARADOX](#)

INDIVIDUAL CONTRIBUTIONS:

Name	Contributions
Vuppala Bharadwaj	Frontend for home page, library modules, open project notifications, Process from accounts and process module
Vishnu Vardhan	Frontend for health centre module and general administration (institute vehicle management and house management)
Mathew	Module to generate random data for the database (generator.js), schema for library

	module (books and accounts), queries for library module.
Kushwanth	Mongoose, Connected atlas with Node.js and created schemas for health centre and general administration.
Abhijith	MongoDB, Express server and handling requests and responses to edit the Database. The database was tested with post, patch, del and get requests using POSTMAN app.