G. H. RAISONI COLLEGE OF ENGINEERING

(An Autonomous Institute & Affiliated to R.T.M. Nagpur University)
Dual Accreditations NAAC "A+" Grade & NBA (Tier-I)

Database Management System

Practical 1

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Date of performance:- 19-07-2021

Aim:- Project Understanding, Identification of key Performance Indicators, Identification of Modules and Sub-modules, Broad Overview of Architectural flow.

Project Title:- College Management System

Introduction:-

➢ The College Management System is a simple project that manages the working of a college system.

➢ The system stores the student ID, name, course details, education details, personal details, and fees details of the student.

➢ This system can be used as an information management system for the college.

➢ For a given student/staff (Technical / Non-technical) the Administrator creates login id & password, using these student/

staff (Technical / Non-technical) can access the system to either add, modify or download some information from the database.

➢ This system will help the staff and administrators by providing a simple user interactive interface for accessing, adding and modifying information of students which will save their time and energy.

Need of Project:-

A college management system has become an essential need for every college to operate. It holds so many crucial functions to ensure that the college management runs smoothly. The teachers, staff, and other external parties can collaborate easily through a centralized platform. The college management system is important because it streamlines school administration with its robust features. There are more than 36,000 colleges in India alone (*as of 2019). A typical college has 5000 students enrolled. Managing the data of these many students is a hectic task and needs to be managed and stored properly. This project aims to create a "paperless office" rather than using a traditional record keeping system.

Modules:-

➢ Registration
➢ Login
➢ Faculties
➢ Students
➢ Departments
➢ Courses
➢ Payment

Description of Modules:-

➢ **Registration –**

Registration module will be on the screen of administrator where they will be able to do the enrollment of student.

➢ **Login –**

The module where the students will submit their system credentials to access their data. And Faculties can see their classes and upload marks of students.

➢ **Faculties –**

Database of active faculties in college.

➢ **Students –**

Enrolled students are stored in Students database.

➢ **Departments –**

List of departments the college has registered. This can also be seen on Home page.

➢ **Courses –**

List of Courses and their codes offered by departments.

➢ **Payment –**

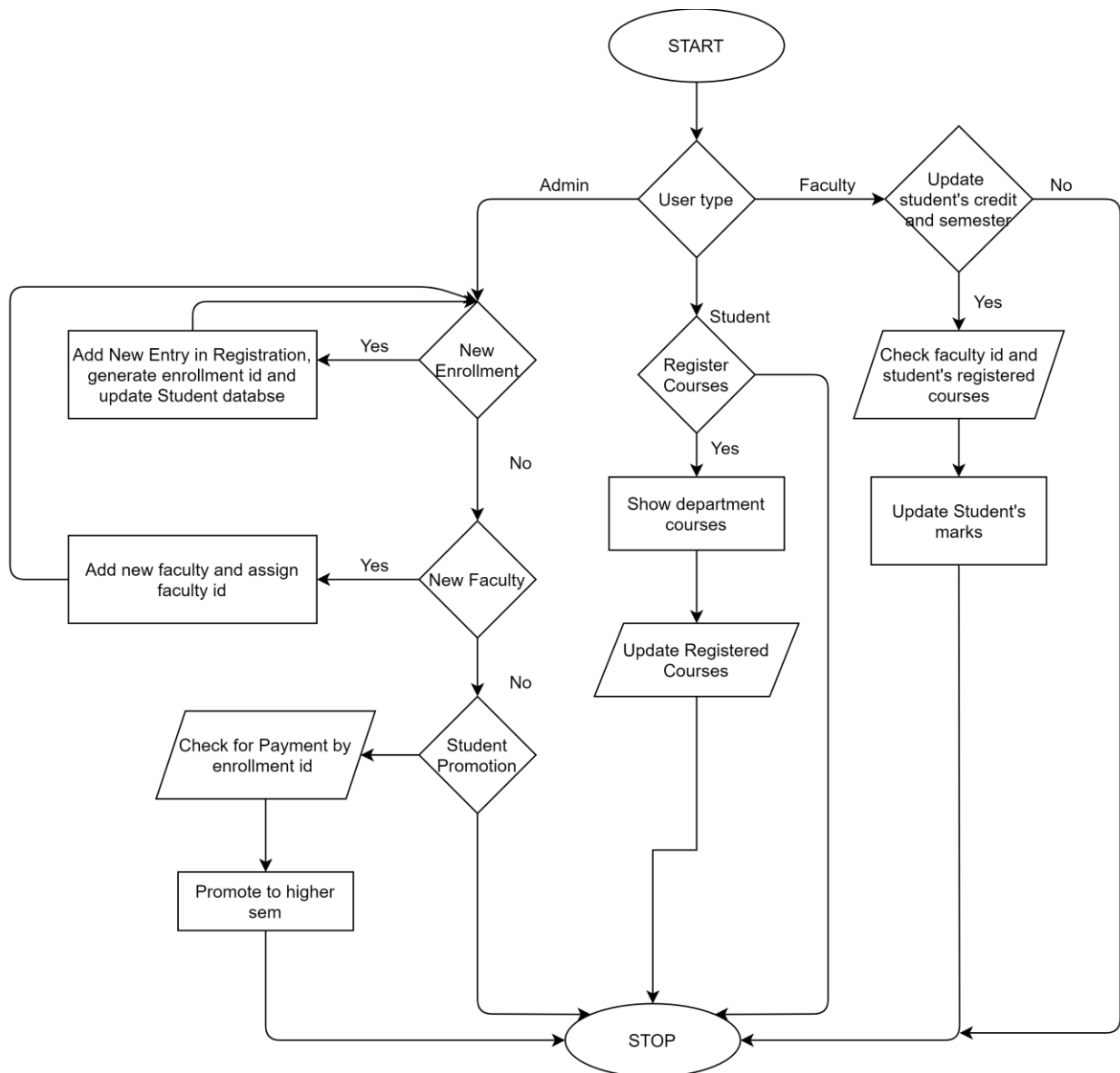Payment of the fees consist of various method like cheque, imps, neft, demand draft or cash.

Submodules :-

- ➢ Registration
  - New enrollment
- ➢ Login
  - Student
  - Faculty
  - Admin
- ➢ Faculties
  - Faculty name
  - Faculty id
  - Department id
  - Email
  - Contact
- ➢ Students
  - Enrollment id
  - Semester
  - Credits
  - CGPA
- ➢ Departments
  - Department id
  - Department name
  - Established year
  - Head of Department
- ➢ Courses
  - Department id
  - Course id
  - Course name
  - Credits

➢ Payment
- Enrollment id
- Cheque
- IMPS
- NEFT
- Demand Draft
- Cash

Flow Chart:-

Conclusion:-

The College Management System has been executed