e-IQAC

MINOR PROJECT REPORT

Submitted by

S. KAMALESH

19BCT019

Under the Guidance of

Dr. S. GEETHARANI MCA, MPhil, PhD,

Associate Professor & Head,

Department of Computer Technology

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF SCIENCE IN COMPUTER TECHNOLOGY

Of Bharathiar University

DEPARTMENT OF COMPUTER TECHNOLOGY

PSG COLLEGE OF ARTS & SCIENCE

An Autonomous College-Affiliated to Bharathiar University
Accredited with A grade by NAAC (3rd Cycle)
College with Potential for Excellence
(Status Awarded by the UGC)
Star College Status Awarded by DBT - MST
An ISO 9001:2008 Certified Institution
Civil Aerodrome Post
Coimbatore -641 014

NOVEMBER 2021

CERTIFICATE

DEPARTMENT OF COMPUTER TECHNOLOGY

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CERTIFICATE

This is to certify that this Project work entitled **"e-IQAC"** is a bonafide record of work done by **S KAMALESH (19BCT019)** submitted to the PSG CAS in partial fulfillment of the requirements for the award of Degree of **Bachelor of Science in Computer Technology** of Bharathiar University.

Faculty Guide Head of the Department

Submitted for Viva-Voce Examination held on 29/11/2021

Internal Examiner External Examiner

DECLARATION

DECLARATION

I, **KAMALESH S (19BCT019)**, hereby declare that this Project work entitled **"e-IQAC"**, is submitted to PSG College of Arts & Science (Autonomous), Coimbatore in partial fulfillment for the award of Bachelor of Science in Computer Technology, is a record of original work done by me under the supervision and guidance of **Dr. S. Geetharani MCA, MPhil, PhD** Associate Professor & Head of the Department of Computer Technology, PSG College of Arts & Science, Coimbatore.

This Project work has not been submitted by me for the award of any other Degree/ Diploma/ Associate ship/ Fellowship or any other similar degree to any other university.

PLACE : Coimbatore **KAMALESH S**

DATE : 29/11/2021 **(19BCT019)**

ACKNOWLEDGEMENT

ACKNOWLEDGEMENT

My venture stands imperfect without dedicating my gratitude to a few people who have contributed a lot towards the victorious completion for my project work.

I would like to thank **Mr L. Gopalakrishnan**, **Managing Trustee, PSG & Sons Charities**, for providing me a prospect and surroundings that made the work possible.

I take this opportunity to express my deep sense of gratitude to **Dr. T. Kannaian,** Secretary of PSG College of Arts and Science, Coimbatore for permitting and doing the needful towards the successful completion of this project.

I express my deep sense of gratitude and sincere thanks to our Principal **Dr. D. Brindha MSc, MPhil, PhD,** for her valuable advice and concern on students.

I am very thankful to **Dr. A Anguraj, MSc, MPhil, PhD, Vice Principal**, **Prof. M Umarani, MCom, MPhil, Faculty-In-Charge (Student Affairs)** for their support.

I kindly and sincerely thank **Dr. S. Geetharani MCA, MPhil, PhD,Associate Professor,Head of the Department of Computer Technology** for her whole hearted help to complete this project successfully by giving valuable suggestions.

This note of acknowledgement will be incomplete without paying my heartful devotion to my parents, my friends and other people, for their blessings, encouragement, financial support and the patience, without which it would have been impossible for me to complete the job.

SYNOPSIS

SYNOPSIS

e-IQACis a Flexible Web Application, which makes the e-IQAC quaterly report of the college is done easier. This application allows the user's to submit their works under each category easily via online.On the other hand the web app enables the Admin, i.e. the IQAC staff of the department to export their department works.

This application is built in such a way, distinguished into two parts, one dealt with the user to add their report works. Another deals with the admin(i.e IQAC Staff) to export their departmental reports. This e-IQAC web application is simple, intuitive and agile.

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1.INTRODUCTION

1. Introduction

e-IQAC is an application that allows staffs and students to submit their indivual reports through online,which tends to avoid the issues that are being faced in the manual mode. It is an integrated app that allows admin to export overall forms in a word document. e-IQACis a Flexible Web Application, which makes the e-IQAC quarterly report of the college is done easier. This application allows the user's to submit their works under each category easily via online.On the other hand the web application enables the Admin, i.e. the IQAC staff of the department to export their department works (Research Collaboration Events, Consultancy, Faculty details).

The prime task of the e-IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions.

The primary aim of e-IQAC is

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

2.SYSTEM SPECIFICATION

2. System Specification

A System Requirements Specification (SRS) (also known as a Software Requirements Specification) is a document or set of documentation that describes the features and behavior of a system or software application.

2.1 Hardware Specification

For Execution (PC)

RAM	:	2 GB
Processor	:	Intel i3 7th gen
Browsers	:	Chrome,Firefox,Opera,Edge,Inter Explorer etc.,
OS	:	Windows 10 Home

For Execution (Android Mobile)

RAM	:	3 GB/higher
Processor	:	Any processor with more than 1GHz clock speed
Browsers	:	Chrome,Firefox,Opera,Edge,Inter Explorer etc.,
OS	:	Android Lollipop 5.0/higher

2.2 Software Specification

Web Application

This application was built using PERN(PostgreSQL,Express,React JS,Node js) Stack.

Platform used	->	Visual Studio
Web application front end	->	React Js
Web Application back end	->	Nodejs + Express

Database

Database/Server	->	Local Server
For Database	->	PostgreSQL

2.3 Software Description

React

React makes it painless to create interactive UIs. Design simple views for each state in your application, and React will efficiently update and render just the right components when your data changes.Declarative views make your code more predictable and easier to debug.Build encapsulated components that manage their own state, then compose them to make complex UIs.Since component logic is written in JavaScript instead of templates, you can easily pass rich data through your app and keep state out of the DOM.

We don’t make assumptions about the rest of your technology stack, so you can develop new features in React without rewriting existing code.

Node Js

As an asynchronous event-driven JavaScript runtime, Node.js is designed to build scalable network applications. In the following "hello world" example, many connections can be handled concurrently. Upon each connection, the callback is fired, but if there is no work to be done, Node.js will sleep.

This is in contrast to today's more common concurrency model, in which OS threads are employed. Thread-based networking is relatively inefficient and very difficult to use. Furthermore, users of Node.js are free from worries of dead-locking the process, since there are no locks. Almost no function in Node.js directly performs I/O, so the process never blocks except when the I/O is performed using synchronous methods of Node.js standard library. Because nothing blocks, scalable systems are very reasonable to develop in Node.js.

Express

Express is a minimal and flexible Node.js web application framework that provides a robust set of features for web and mobile applications.With a myriad of HTTP utility methods and middleware at your disposal, creating a robust API is quick and easy.Express provides a thin layer of fundamental web application features, without obscuring Node.js features that you know and love.Many popular frameworks are based on Express.

PostgreSQL

PostgreSQL comes with many features aimed to help developers build applications, administrators to protect data integrity and build fault-tolerant environments, and help you manage your data no matter how big or small the dataset. In addition to being free and open source, PostgreSQL is highly extensible. For example, you can define your own data types, build out custom functions, even write code from different programming languages without recompiling your database!

PostgreSQL tries to conform with the SQL standard where such conformance does not contradict traditional features or could lead to poor architectural decisions. Many of the features required by the SQL standard are supported, though sometimes with slightly differing syntax or function. Further moves towards conformance can be expected over time. As of the version 14 release in September 2021, PostgreSQL conforms to at least 170 of the 179 mandatory features for SQL:2016 Core conformance. As of this writing, no relational database meets full conformance with this standard.

3.SYSTEM ANALYSIS

3. System Analysis

This System involves studying a procedure or business to identify its goals and purposes and create systems and procedures that will efficiently achieve them. Use cases are a widely used systems analysis modeling tool for identifying and expressing the functional requirements of a system.

3.1 Existing System

- The existing system permises that the all details to be collected manually from every staffs and students and then finally submitted to the member of IQAC staff.
- It consists of more than 28 category and this takes much more effort to collect and maintain.
- Also that the staffs have to collect all those details manually in their hectic schedules.
- Report Generation of IQAC is made manually.

3.2 Proposed System

- ✓ e-IQAC is designed in such a way that, it enables the users to submit their reports via online .
- ✓ This application enables the option to edit & delete.

- ✓ Users have a feature to download their in reports in a Word document.
- ✓ It have a another module as admin(i.e. IQAC staff of the department) to download their department reports as well as in PDF,CSV,Word document.

So,this web application is very useful to maintain all those records and making it online is much convenient and time saving.

4.MODULE DESCRIPTION

4. Module Description

e-IQAC involves two modules such as :

a) End User

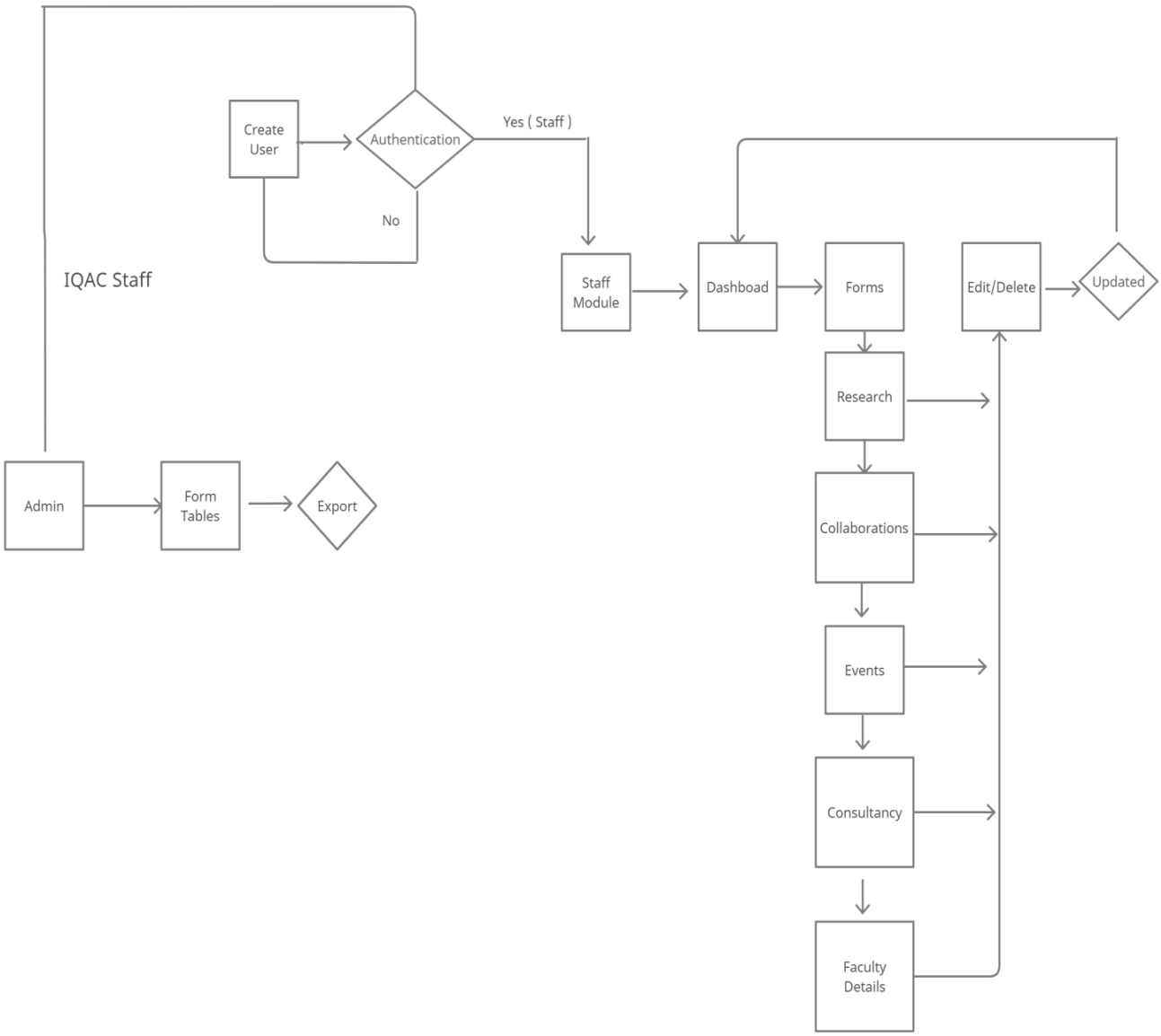
This side of the web app is used by the users (i.e.Staffs and students),who will be authenticated using email & password.The authenticated users will be moved to the dashboard which list the forms under each category.According to forms the user can submit it with edit and delete option.

b) Admin

It also known as admin panel.Here, the IQAC staff member of the particular department will act as an admin who have the features to view all the reports of their department .

The reports of each category will be viewed in a table format,here the admin can export the data of each category in CSV or PDF format.

Admin can also export all the categories (Research, Collaborations, Events, Consultancy ,Faculty Details) in word document.


IQAC Staff
Create User
Authentication
Yes (Staff)
No
Staff Module
Dashboad
Forms
Edit/Delete
Updated
Research
Collaborations
Events
Consultancy
Faculty Details
Admin
Form Tables
Export

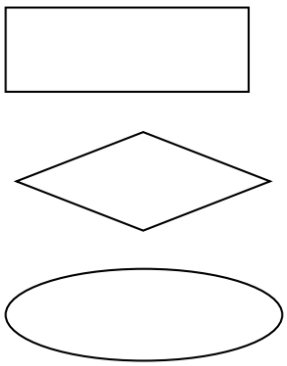
5.SYSTEM DESIGN

5. System Design

5.1 Entity Relationship Diagram

An entity-relationship (ER) diagram is a specialized graphic that illustrates the relationships between entities in a database. ER diagrams often use symbols to represent three different types of information. Boxes are commonly used to represent entities. Diamonds are normally used to represent relationships and ovals are used to represent attributes. An entity relationship diagram (ERD) is a data modeling technique that graphically illustrates an information system‟s entities and the relationships between those entities. An ERD is a conceptual and representational model of data used to represent the entity framework infrastructure.

ER Diagram Symbols



ENTITY

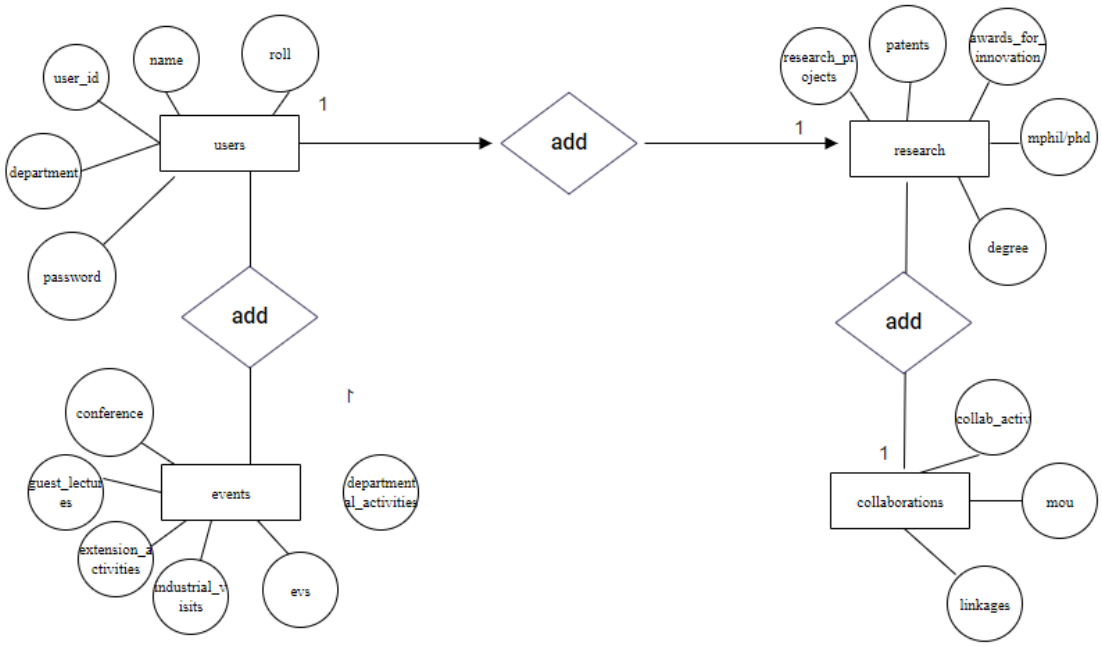
RELATIONSHIP

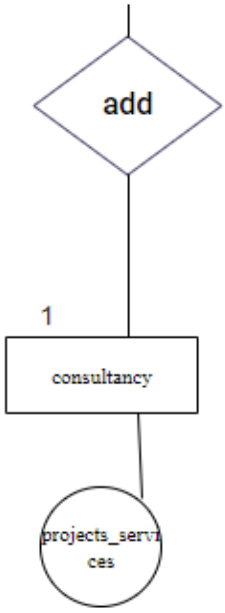
ATTRIBUTE

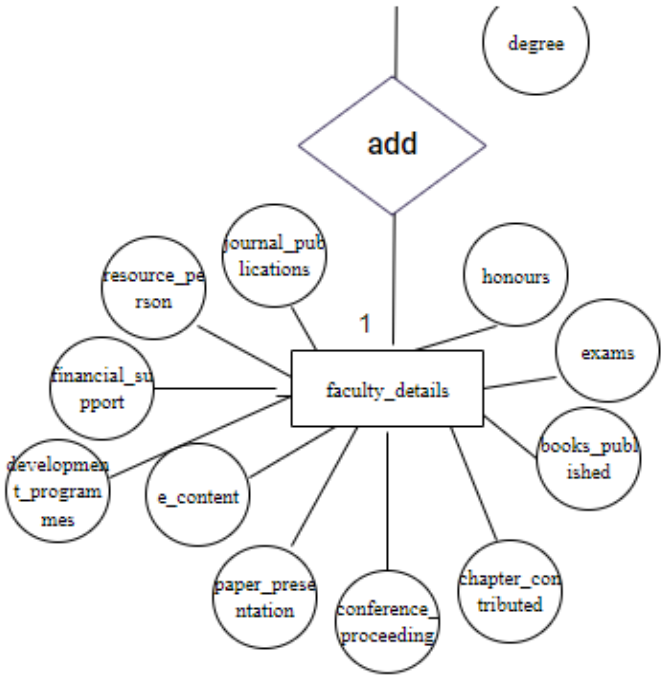
Steps involved in creating an ERD include:

- Identifying and defining the entities
- Determining all interactions between the entities
- Analyzing the nature of interactions/determining the cardinality of the relationships.

- Creating the ERD.

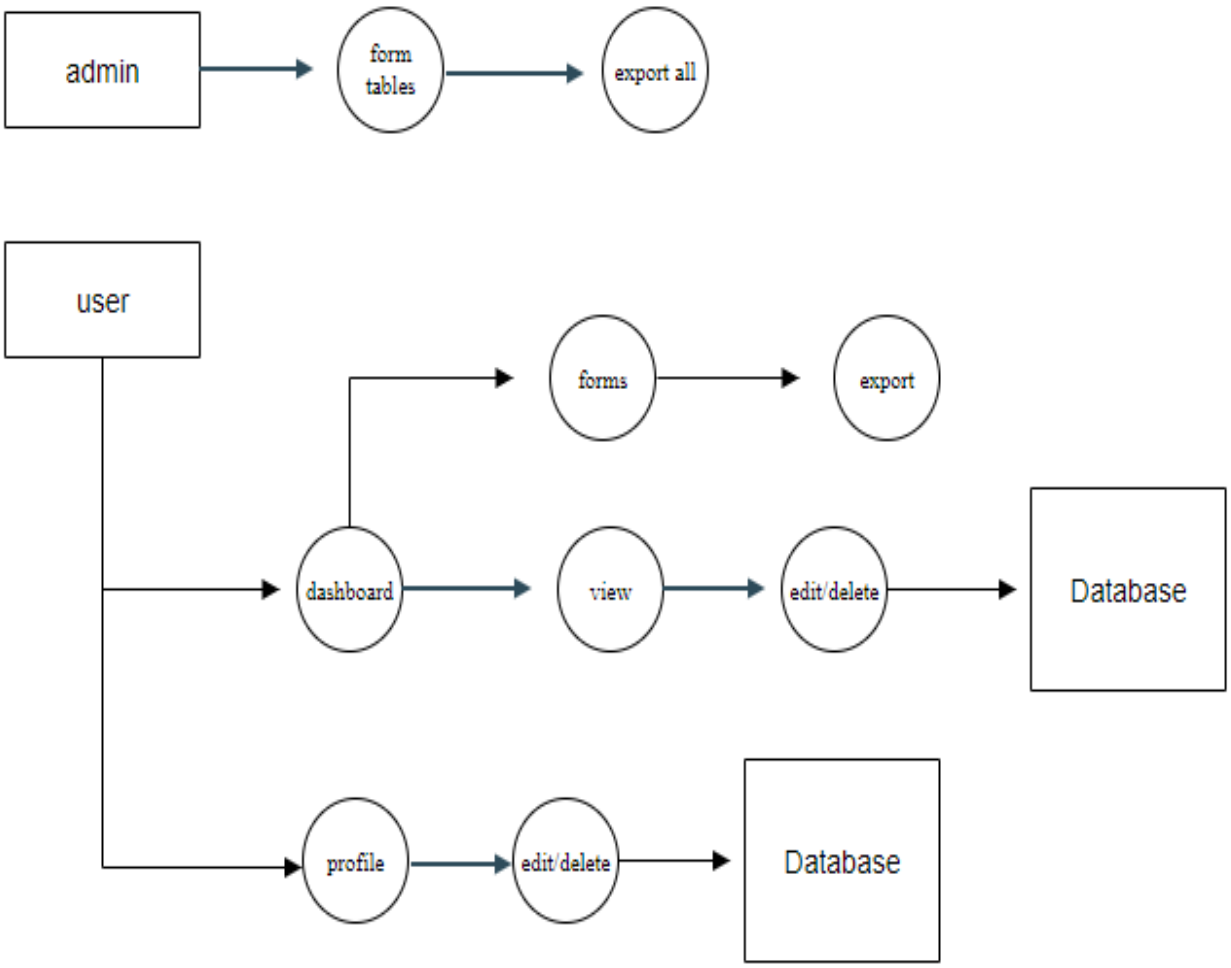






5.2 Data Flow Diagram

A data flow diagram (DFD) illustrates how data is processed by a system in terms of in terms of input and output. As its name indicates its focus is on the flow of information, where data comes from, where it goes and how it gets stored. It uses defined symbols like rectangles, circles and arrow, plus short text labels, to show data inputs, outputs, storage points and the routes between each destination.



5.3 Database Design

A database is an organized mechanism that has the capability of storing information through which a user can retrieve stored information in an effective and efficient manner.

Table 1: Users

Attributes	Data types
user_id	INT
name	VARCHAR
email	VARCHAR
department	VARCHAR
Roll	VARCHAR

Table 2: Research Projects

Attributes	Data types
user_id	INT
Title	VARCHAR
No	VARCHAR
amount_sanctioned	VARCHAR
file_no	VARCHAR
amount_received	VARCHAR
date_sanctioned	VARCHAR
funding_agency	VARCHAR
Date	DATE

Table 3 :Patents

Attributes	Data types
user_id	INT
title	VARCHAR

field	VARCHAR
file_no	VARCHAR
date_awarded_patent	DATE
royalty_received	VARCHAR
providing_agency	VARCHAR
country	VARCHAR
date	DATE

Table 4: Awards For innovation

Attributes	Data types
user_id	INT
awardee_name	VARCHAR
designation	VARCHAR
award_category	VARCHAR
title	VARCHAR
awarding_agency	VARCHAR
venue	VARCHAR
level	VARCHAR
date	DATE

Table 5: Degree

Attributes	Data types
user_id	INT
degree	VARCHAR

guide_name	VARCHAR
title	VARCHAR
external	VARCHAR
venue	VARCHAR
date	DATE

Table 6 :Fellowship

Attributes	Data types
user_id	INT
fellowship	VARCHAR
date_sanctioned	VARCHAR
funding_agency	VARCHAR
sanctioned_amount	VARCHAR
date	DATE

Table 7: Collaborative Activities

Attributes	Data types
user_id	INT
activity	VARCHAR
participant	VARCHAR
financial_support	VARCHAR
period	VARCHAR
date	DATE

Table 8 : Linkages

Attributes	Data types
user_id	INT
title	VARCHAR
partnering_agency	VARCHAR
period	VARCHAR
date	DATE

Table 9 : Mou

Attributes	Data types
user_id	INT
organization	VARCHAR
date_signed	VARCHAR
period	VARCHAR
date	DATE
participants	VARCHAR
purpose	VARCHAR

Table 10 : Books Published

Attributes	Data types
user_id	INT
name	VARCHAR
publisher	VARCHAR
level	VARCHAR

Isbn_no	VARCHAR
date	DATE

Table 11 : Conference

Attributes	Data types
user_id	INT
title	VARCHAR
con_sem	VARCHAR
Sponsoring_agency	VARCHAR
Resource_person	VARCHAR
objective	VARCHAR
venue	VARCHAR
Outcome	VARCHARR
Level	VARCHAR
Total	INT
Date	DATE

Table 12 : Conference Proceeding

Attributes	Data types
user_id	INT
Con	VARCHAR
title	VARCHAR
con_sem	VARCHAR
Financial_support	VARCHAR
venue	VARCHAR

level	VARCHAR
venue	VARCHAR
Date	DATE

Table 13 : Departmental Activities

Attributes	Data types
user_id	INT
activity	VARCHAR
guest	VARCHAR
topic	VARCHAR
total	VARCHAR
venue	VARCHAR
Date	DATE

Table 14 : Development Programmes

Attributes	Data types
user_id	INT
training	VARCHAR
title	VARCHAR
venue	VARCHAR
Financial_support	VARCHAR
venue	VARCHAR
Date	DATE

Table 15 : E-Content

Attributes	Data types
user_id	INT
module	VARCHAR
platform	VARCHAR
date	DATE

Table 16 : Evs

Attributes	Data types
user_id	INT
date	DATE
place	VARCHAR
total	VARCHAR
activity	VARCHAR

Table 17 : Exams

Attributes	Data types
user_id	INT
Award_honour	VARCHAR
details	VARCHAR
venue	VARCHAR
level	VARCHAR
Date	DATE

Table 18 : Extension Activities

Attributes	Data types
user_id	INT
activities	VARCHAR
collaborations	VARCHAR
venue	VARCHAR
total	VARCHAR
date	DATE

Table 19 : Extension Activities

Attributes	Data types
user_id	INT
con	VARCHAR
title	VARCHAR
venue	VARCHAR
level	VARCHAR
Financial_support	VARCHAR
Programme_outcome	VARCHAR
date	DATE

Table 20 : Financial Support

Attributes	Data types
user_id	INT
f	VARCHAR

amount_support	VARCHAR
date	DATE

Table 21: Guest Lectures

Attributes	Data types
user_id	INT
Resource_person	VARCHAR
designation	VARCHAR
topic	VARCHAR
Venue	VARCHAR
objective	VARCHAR
outcome	VARCHAR
total	INT
date	DATE

Table 22: Honours

Attributes	Data types
user_id	INT
Award_honour	VARCHAR
details	VARCHAR
Venue	VARCHAR
level	VARCHAR
date	DATE

Table 23: Industrial Visits

Attributes	Data types
user_id	INT
classes	VARCHAR
outcome	VARCHAR
address	VARCHAR
total	VARCHAR
date	DATE

Table 24: Journal Publiations

Attributes	Data types
user_id	INT
title	VARCHAR
jou	VARCHAR
Issn no	VARCHAR
volume	VARCHAR
sci	VARCHAR
Impact	VARCHAR
level	VARCHAR
date	DATE

Table 25: Online Courses

Attributes	Data types
user_id	INT

training	VARCHAR
title	VARCHAR
duration	VARCHAR
Financial_support	VARCHAR
level	VARCHAR
date	DATE

Table 26: Paper Presentation

Attributes	Data types
user_id	INT
con	VARCHAR
title	VARCHAR
Financial_support	VARCHAR
Venue	VARCHAR
level	VARCHAR
date	DATE

` **Table 27 : Projects Services**

Attributes	Data types
user_id	INT
title	VARCHAR
no	VARCHAR
Revenue_Generated	VARCHAR
sponsor	VARCHAR
date	DATE

Table 28: Resource Person

Attributes	Data types
user_id	INT
seminar	VARCHAR
topic	VARCHAR
event	VARCHAR
venue	VARCHAR
Level	VARCHAR
date	DATE

5.4 Input design

Input design is the process of converting the user-oriented input to a computer based format. The goal of the input design is to make the data entry easier, logical and free error. Errors in the input data are controlled by the input design. The quality of the input determines the quality of the system output. Input design is one of the most important phases of the system design. Input design is the process where the input received in the system are planned and designed, so as necessary. The aim of the input design is to ensure the maximum possible levels of accuracy and also ensure that the input is accessible and understood by the user.

5.5 Output Design

The output design was done so that result of processing could be communicate to the users. The various output have designed in such a way that they represent the same format that the office and management. Computer output is the most important and direct source of information to the user efficient intelligible output design should improve the system relationship with the user and help in decision making. A major form of output is hardcopy from the printer. Output requirements are designed during system analysis. A good starting point for the output design is the data flow diagram (DFD). Human factors issues for design involves addressing internal controls to ensure readability.

6.SYSTEM TESTING AND IMPLEMENTATION

6. System Testing and Implementation

Testing and Implementation

It is the stage of implementation, which ensures that system works accurately and effectively before the live operation commences. It is a confirmation that all are correct and opportunity to show the users that the system must be tested with the text data and show that the system will operate successfully and produce expected results under expected conditions.

White Box Testing

- By using this technique it was tested that all the individual logical paths were executed at least once.
- All the logical decisions were tested on both their true and false sides.
- All the loops were tested with the data in between the ranges and especially at the boundary values.

Black Box Testing

- By the use of these technique the missing functions are identified and placed in their positions.
- The errors in the interfaces were identified and corrected.
- This technique was also used to identify the initialization and termination errors and correct them.

Testing is vital to the parts of the system are correct; the goal will be successfully achieved. Inadequate testing or non-testing leads to errors that may not appear until this months later. The effort of system errors on files and records within the system. A small system error can conceivably exploded into much larger problem. Effectively early in the process translates directly into long term cost savings from a reduced number of errors.

Unit Testing

Unit tests perform basic test at component level and test a specific business process, application, and /or system configuration. Unit tests ensure that each path of a business process performs accurately to the documented specifications, functionality and contains clearly defined inputs and expected results.

Validation Testing

Validation succeeds when the developed system functions as per the requirement of the customer. Application validation is achieved through a series of black box that demonstrate the conformity with the requirements. Deviations or errors in this steps are corrected.

Output Testing

Various outputs has been generated by the system. The system generated output and the desk-calculated values have been compared. All the output is

perfect as the company desires. It begins with the low volumes of transactions based on live tone. The volume is increased until the maximum level for each transaction type is reached. The total system is also tested for recovery and fall back, after various major failures to ensure that no data are lost during the emergency time.

Integration Testing

Integration tests are done to test integrated application components were individually satisfactory, as shown by successful unit testing; the combination of components is correct and consistent.

System Implementation

System implementation is the stage of the project when the theoretical design is turned into a working system. If the implementation stage is not correctly planned and controlled, it can be choice. The following are the main stages in the implementation:

- Planning
- Training
- Maintenance

Planning

Planning plays an important role in the implementation. The planning should face any practical problems of controlling various activities of people out their own data processing department.

Training

Successful implementation needs trained computer staff. So some staff can teach them about the computer implementation, which only then becomes a well designed system.

Maintenance

Maintenance involves recovery on crash such as the backups and the end user should be given only executable format of the system.

7.SCOPE FOR FUTURE ENHANCEMENTS

7. Scope For Future Enhancements

As everything has been made online after the development of technology in all the sectors, in the side of educational sector too, classes and examinations are as well taking place through online. Most probable every part of work moved digitalized that makes work flexible & easy.It reduces our manual work.So,this web app would be very useful for the staffs to collect all reports via online.

The project has a very vast scope in future. The project can be implemented on intranet in future. Project can be updated in near future as and when requirement for the same arises, as it is very flexible in terms of expansion. With the proposed software of database Space Manager ready and fully functional is now able to manage and hence run the entire work in a much better, accurate and error free manner.

8.CONCLUSION

8. Conclusion

e-IQACis a Flexible Web Application, which makes the e-IQAC quaterly report of the department is done easier. This application allows the user’s to submit their works under each category easily via online.On the other hand the web app enables the Admin, i.e. the IQAC staff of the department to export their department works.

BIBLIOGRAPHY

Bibliography

Website Reference

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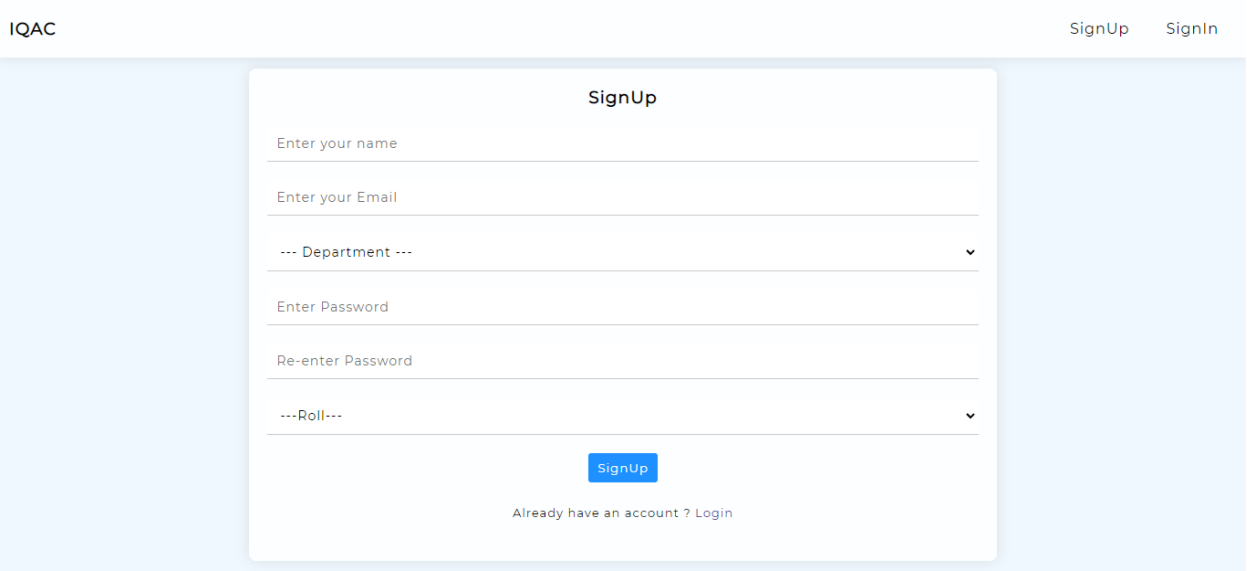
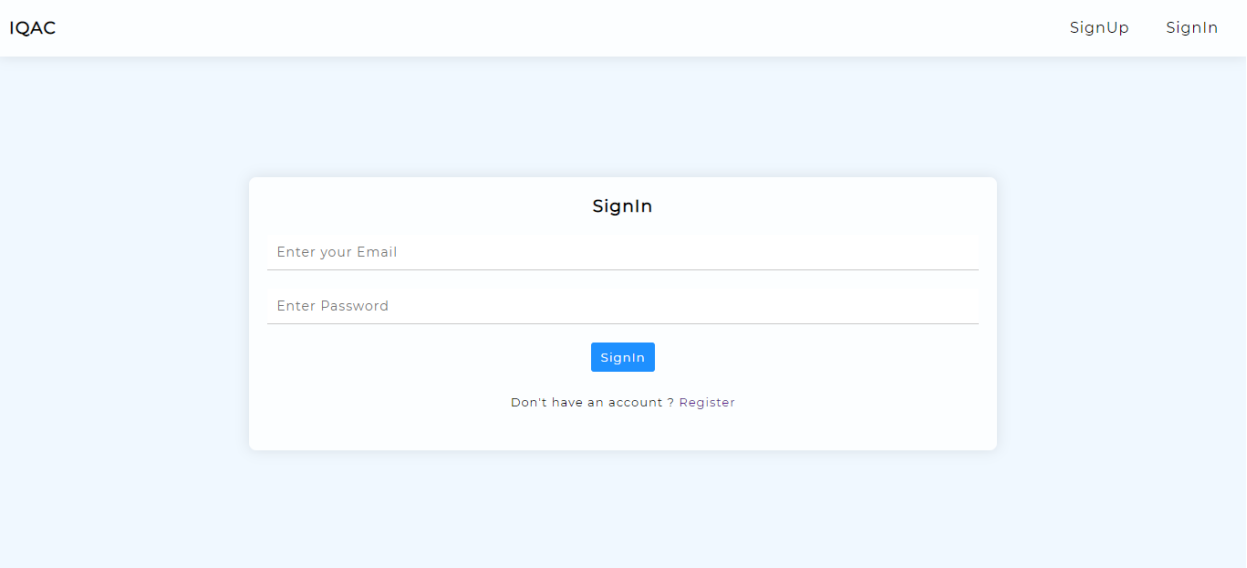
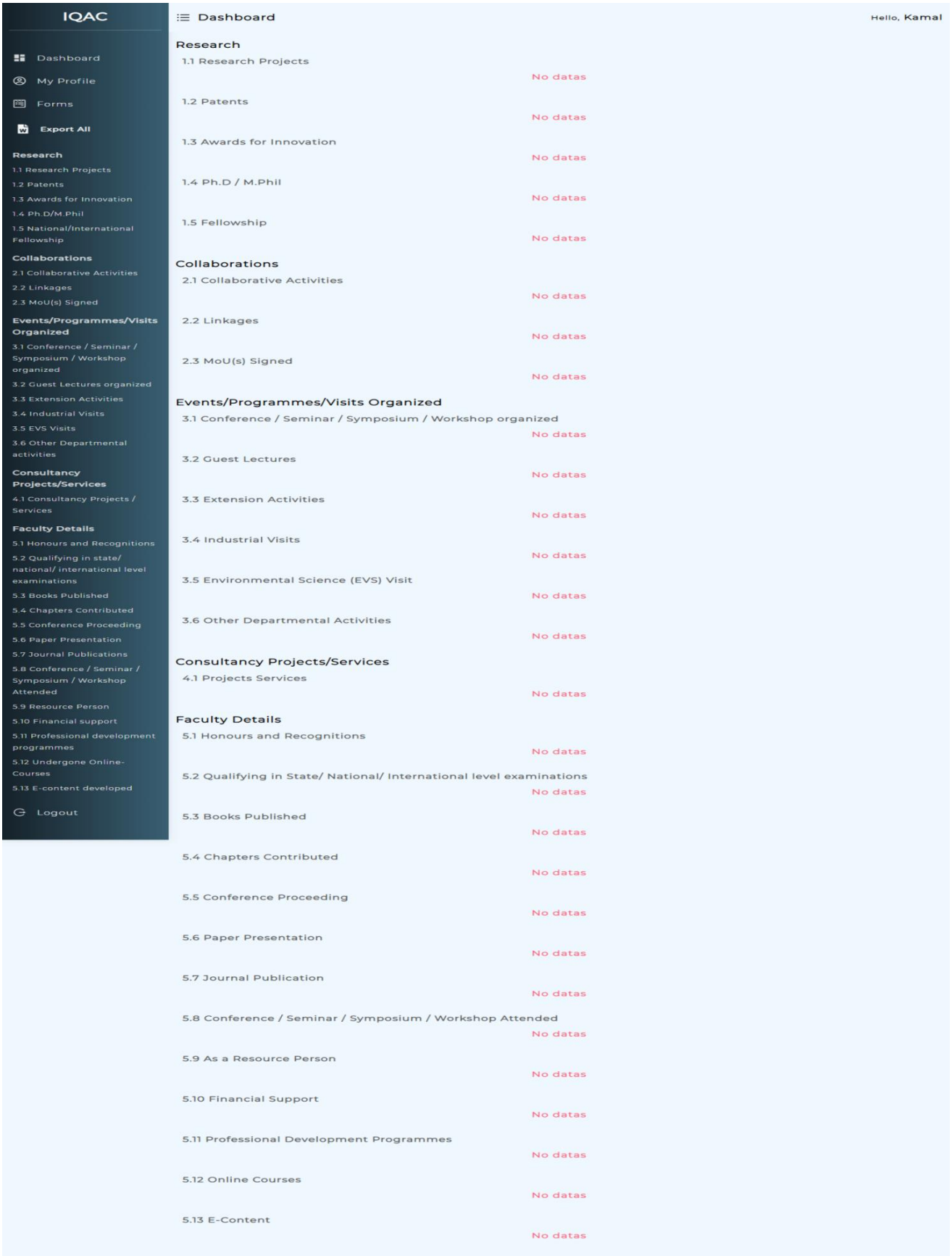
Appendices

SCREEN SHOTS




IQAC
SignUp
SignIn
SignIn
Enter your Email
Enter Password
SignIn
Don't have an account ? Register


IQAC
Dashboard
My Profile
Forms
Export All
Research
1.1 Research Projects
1.2 Patents
1.3 Awards for Innovation
1.4 Ph.D/M.Phil
1.5 National/International Fellowship
Collaborations
2.1 Collaborative Activities
2.2 Linkages
2.3 MoU(s) Signed
Events/Programmes/Visits Organized
3.1 Conference / Seminar / Symposium / Workshop organized
3.2 Guest Lectures organized
3.3 Extension Activities
3.4 Industrial Visits
3.5 EVS Visits
3.6 Other Departmental activities
Consultancy Projects/Services
4.1 Consultancy Projects / Services
Faculty Details
5.1 Honours and Recognitions
5.2 Qualifying in state/ national/ international level examinations
5.3 Books Published
5.4 Chapters Contributed
5.5 Conference Proceeding
5.6 Paper Presentation
5.7 Journal Publications
5.8 Conference / Seminar / Symposium / Workshop Attended
5.9 Resource Person
5.10 Financial support
5.11 Professional development programmes
5.12 Undergone Online-Courses
5.13 E-content developed
Logout
Dashboard
Hello, Kamal
Research
1.1 Research Projects
No datas
1.2 Patents
No datas
1.3 Awards for Innovation
No datas
1.4 Ph.D / M.Phil
No datas
1.5 Fellowship
No datas
Collaborations
2.1 Collaborative Activities
No datas
2.2 Linkages
No datas
2.3 MoU(s) Signed
No datas
Events/Programmes/Visits Organized
3.1 Conference / Seminar / Symposium / Workshop organized
No datas
3.2 Guest Lectures
No datas
3.3 Extension Activities
No datas
3.4 Industrial Visits
No datas
3.5 Environmental Science (EVS) Visit
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3.6 Other Departmental Activities
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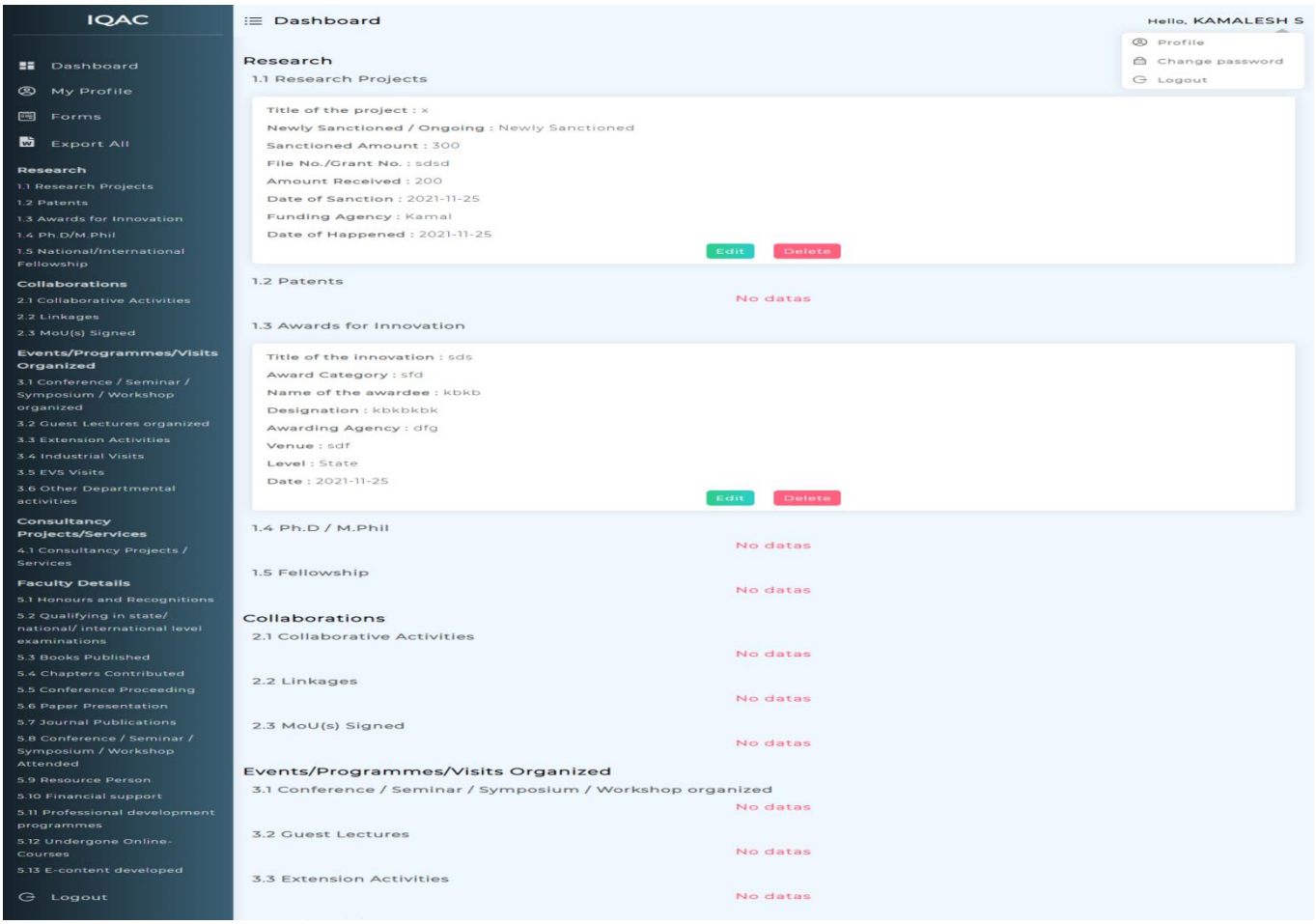
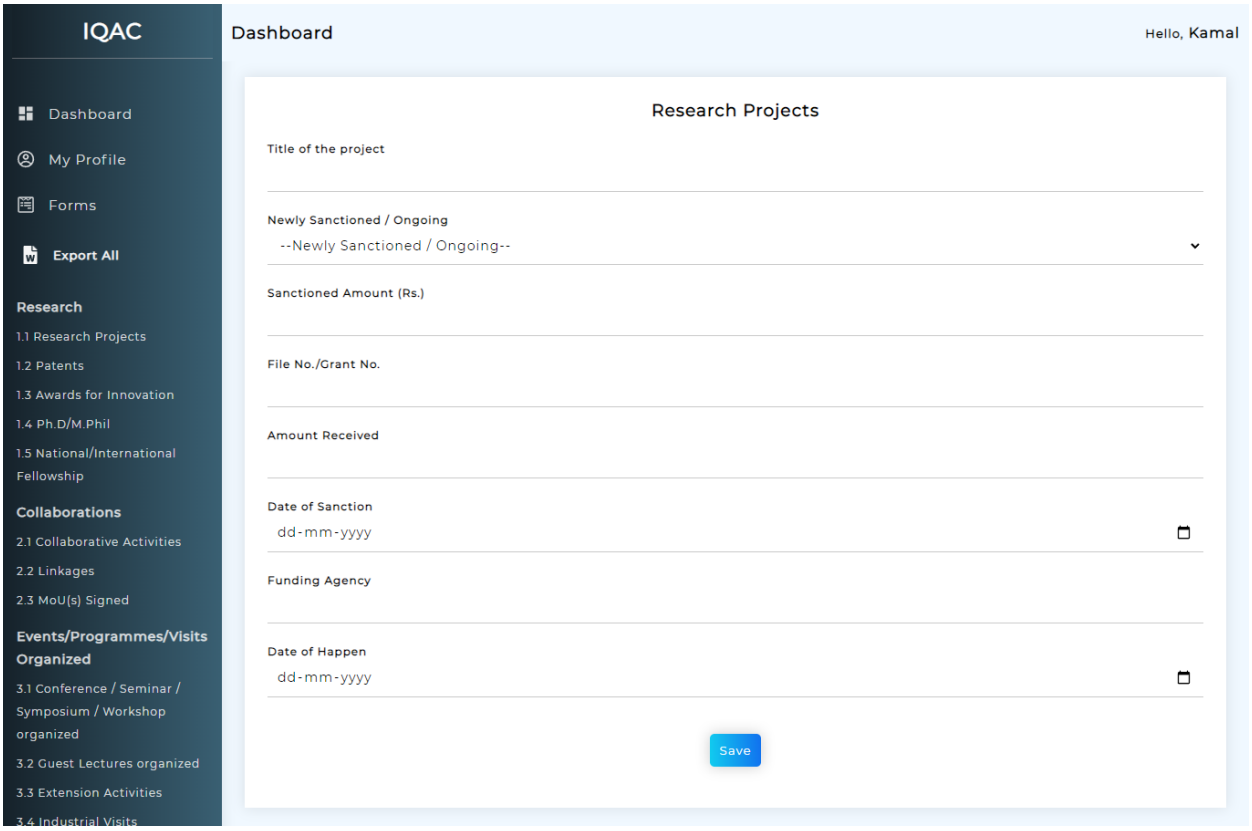
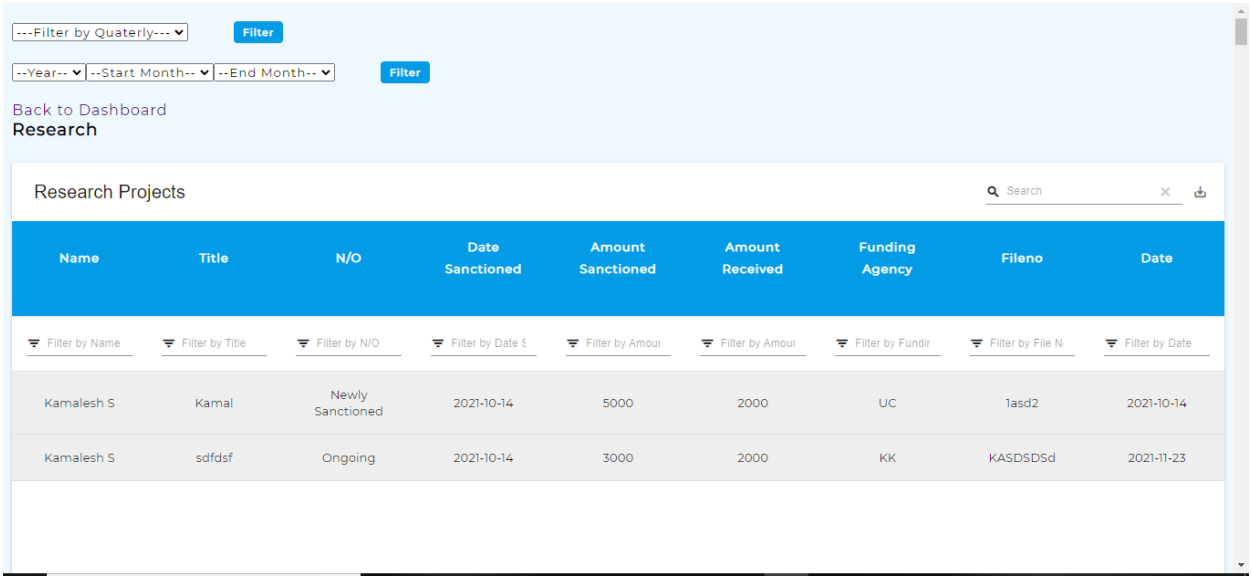
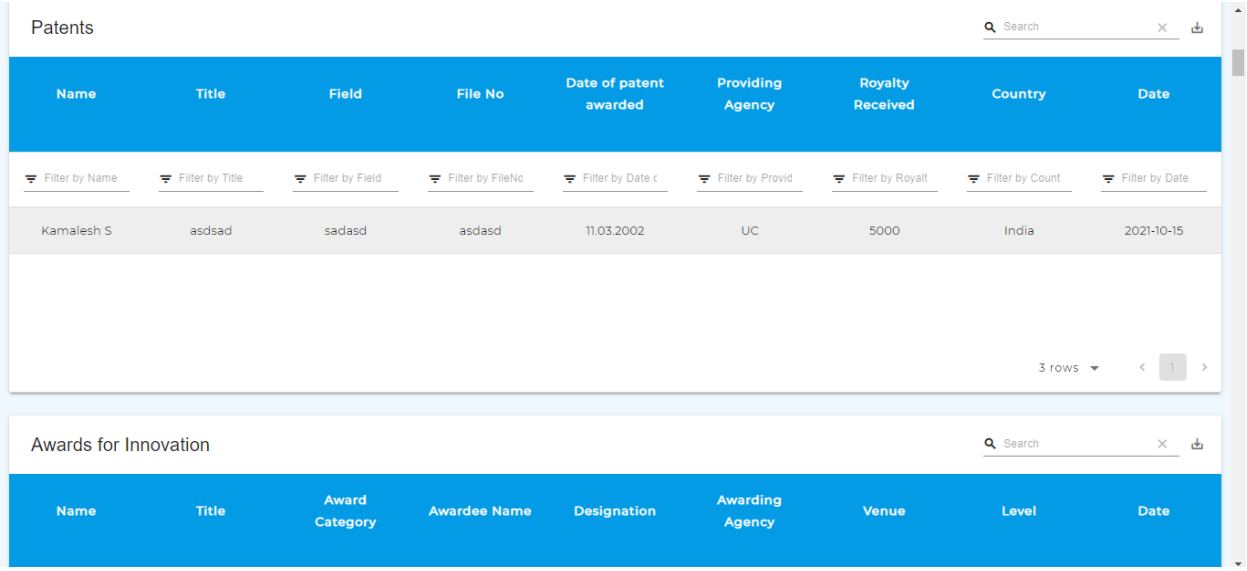
Consultancy Projects/Services
4.1 Projects Services
No datas
Faculty Details
5.1 Honours and Recognitions
No datas
5.2 Qualifying in State/ National/ International level examinations
No datas
5.3 Books Published
No datas
5.4 Chapters Contributed
No datas
5.5 Conference Proceeding
No datas
5.6 Paper Presentation
No datas
5.7 Journal Publication
No datas
5.8 Conference / Seminar / Symposium / Workshop Attended
No datas
5.9 As a Resource Person
No datas
5.10 Financial Support
No datas
5.11 Professional Development Programmes
No datas
5.12 Online Courses
No datas
5.13 E-Content
No datas


IQAC
Dashboard
My Profile
Forms
Export All
Research
1.1 Research Projects
1.2 Patents
1.3 Awards for Innovation
1.4 Ph.D/M.Phil
1.5 National/International Fellowship
Collaborations
2.1 Collaborative Activities
2.2 Linkages
2.3 MoU(s) Signed
Events/Programmes/Visits Organized
3.1 Conference / Seminar / Symposium / Workshop organized
3.2 Guest Lectures organized
3.3 Extension Activities
3.4 Industrial Visits
3.5 EVS Visits
3.6 Other Departmental activities
Consultancy Projects/Services
4.1 Consultancy Projects / Services
Faculty Details
5.1 Honours and Recognitions
5.2 Qualifying in state/ national/ international level examinations
5.3 Books Published
5.4 Chapters Contributed
5.5 Conference Proceeding
5.6 Paper Presentation
5.7 Journal Publications
5.8 Conference / Seminar / Symposium / Workshop Attended
5.9 Resource Person
5.10 Financial support
5.11 Professional development programmes
5.12 Undergone Online-Courses
5.13 E-content developed
Logout
Dashboard
Hello, KAMALESH S
Profile
Change password
Logout
Research
1.1 Research Projects
Title of the project : x
Newly Sanctioned / Ongoing : Newly Sanctioned
Sanctioned Amount : 300
File No./Grant No. : sdsd
Amount Received : 200
Date of Sanction : 2021-11-25
Funding Agency : Kamal
Date of Happened : 2021-11-25
Edit
Delete
1.2 Patents
No datas
1.3 Awards for Innovation
Title of the innovation : sds
Award Category : sfd
Name of the awardee : kbkb
Designation : kbkbkbk
Awarding Agency : dfg
Venue : sdf
Level : State
Date : 2021-11-25
Edit
Delete
1.4 Ph.D / M.Phil
No datas
1.5 Fellowship
No datas
Collaborations
2.1 Collaborative Activities
No datas
2.2 Linkages
No datas
2.3 MoU(s) Signed
No datas
Events/Programmes/Visits Organized
3.1 Conference / Seminar / Symposium / Workshop organized
No datas
3.2 Guest Lectures
No datas
3.3 Extension Activities
No datas


IQAC
Dashboard
Hello, Kamal
Dashboard
My Profile
Forms
Export All
Research
1.1 Research Projects
1.2 Patents
1.3 Awards for Innovation
1.4 Ph.D/M.Phil
1.5 National/International Fellowship
Collaborations
2.1 Collaborative Activities
2.2 Linkages
2.3 MoU(s) Signed
Events/Programmes/Visits Organized
3.1 Conference / Seminar / Symposium / Workshop organized
3.2 Guest Lectures organized
3.3 Extension Activities
3.4 Industrial Visits
Research Projects
Title of the project
Newly Sanctioned / Ongoing
--Newly Sanctioned / Ongoing--
Sanctioned Amount (Rs.)
File No./Grant No.
Amount Received
Date of Sanction
dd-mm-yyyy
Funding Agency
Date of Happen
dd-mm-yyyy
Save


---Filter by Quaterly---
Filter
--Year--
--Start Month--
--End Month--
Filter
Back to Dashboard
Research
Research Projects
Search
Name
Title
N/O
Date Sanctioned
Amount Sanctioned
Amount Received
Funding Agency
Fileno
Date
Kamalesh S
Kamal
Newly Sanctioned
2021-10-14
5000
2000
UC
1asd2
2021-10-14
Kamalesh S
sdfdsf
Ongoing
2021-10-14
3000
2000
KK
KASDSDSd
2021-11-23



II) Sample Coding

```
import React,{ useContext, useEffect, useState} from 'react'
import {Link, useHistory} from 'react-router-dom'
import '../CSS/About.css'
import Sidebar from '../Components/Sidebar'
import {FaWpforms} from 'react-icons/fa'
import {RiLockPasswordLine} from 'react-icons/ri'
import {AiFillEdit,AiOutlineLogout} from 'react-icons/ai'
import { CgProfile } from 'react-icons/cg'
import {AiOutlineBars} from 'react-icons/ai'


function Dashboard(){
    const [uData,setUdata] = useState()
    const [research_projects,Setresearch_projects] = useState()
    const [patents,Setpatents] = useState()
```

```
const [awards_for_innovation,Setawards_for_innovation] = useState()
const [degree,Setdegree] = useState()
const [fellowship,Setfellowship] = useState()
const [collab_activ,Setcollab_activ] = useState()
const [linkages,Setlinkages] = useState()
const [mou,Setmou] = useState()
const [conference,Setconference] = useState()
const [guest_lectures,Setguest_lectures] = useState()
const [extension_activities,Setextension_activities] = useState()
const [industrial_visits,Setindustrial_visits] = useState()
const [evs,Setevs] = useState()
const [departmental_activities,Setdepartmental_activities] = useState()
const [projects_services,Setprojects_services] = useState()
const [honours,Sethonours] = useState()
const [exams,Setexams] = useState()
const [books_published,Setbooks_published] = useState()
const [chapters_contributed,Setchapters_contributed] = useState()
const [conference_proceeding,Setconference_proceeding] = useState()
const [paper_presentation,Setpaper_presentation] = useState()
const [journal_publications,Setjournal_publications] = useState()
const [fconference,Setfconference] = useState()
const [resource_person,Setresource_person] = useState()
const [financial_support,Setfinancial_support] = useState()
const [development_programmes,Setdevelopment_programmes] = useState()
const [online_courses,Setonline_courses] = useState()
const [e_content,Sete_content] = useState()
const [men,setMen] = useState(false)
const editprofile = `/dashboard/editprofile/${uData ? uData[0].user_id : ''}`
console.log(uData)
const history = useHistory()
```

```
const callAboutPage = async () => {
    try{
        const res = await fetch('/dashboard',{
            method: "GET",
            headers: {
                Accept: 'application/json',
                "Content-Type": "application/json"
            },
            credentials: 'include'
        })

        const datas = await res.json()
        console.log(datas)
        setUdata(datas.user)

        if(datas.user[0].roll === 'Student'){
            history.push('/student_dashboard')
        }

        Setresearch_projects(datas.research_projects)
        Setpatents(datas.patents)
        Setawards_for_innovation(datas.awards_for_innovation)
        Setdegree(datas.degree)
        Setfellowship(datas.fellowship)
        Setcollab_activ(datas.collab_activ)
        Setlinkages(datas.linkages)
        Setmou(datas.mou)
        Setconference(datas.conference)
        Setguest_lectures(datas.guest_lectures)
```

```
        Setextension_activities(datas.extension_activities)
        Setindustrial_visits(datas.industrial_visits)
        Setevs(datas.evs)
        Setdepartmental_activities(datas.departmental_activities)
        Setprojects_services(datas.projects_services)
        Sethonours(datas.honours)
        Setexams(datas.exams)
        Setbooks_published(datas.books_published)
        Setchapters_contributed(datas.chapters_contributed)
        Setconference_proceeding(datas.conference_proceeding)
        Setpaper_presentation(datas.paper_presentation)
        Setjournal_publications(datas.journal_publications)
        Setfconference(datas.fconference)
        Setresource_person(datas.resource_person)
        Setfinancial_support(datas.financial_support)
        Setdevelopment_programmes(datas.development_programmes)
        Setonline_courses(datas.online_courses)
        Sete_content(datas.e_content)

        if(!res.status === 200){
            const error = new Error(res.error)
            throw error
        }
    }catch(err){
        console.log(err)
        history.push('/signin')
    }
}

// Delete Research Projects
```

```
const Rrp = async(id)=>{
    console.log(id)
    try{
        const res = await fetch(`/forms/research/research_projects/delete/${id}`,{
            method: "PUT",
            headers: {
                Accept: 'application/json',
                "Content-Type": "application/json"
            },
            credentials: 'include',
            body: JSON.stringify({
                email : `${uData.email}`,
                filled : `${uData.filled}`
            })
        })

        callAboutPage()

        if(!res.status === 200){
            const error = new Error(res.error)
            throw error
        }
    }catch(err){
        console.log(err)
    }
}

// Delete Patents
const Rp = async(id)=>{
    try{
```

```
        const res = await fetch(`/forms/research/patents/delete/${id}`,{
            method: "PUT",
            headers: {
                Accept: 'application/json',
                "Content-Type": "application/json"
            },
            body: JSON.stringify({
                email : `${uData.email}`,
                filled : `${uData.filled}`
            }),
            credentials: 'include',
        })

        callAboutPage()

        if(!res.status === 200){
            const error = new Error(res.error)
            throw error
        }
    }catch(err){
        console.log(err)
    }
}
useEffect(() => {
    callAboutPage()
},[])
return (
    <>
        <Sidebar />
        <div id="docx" style={{display:'none'}}>
```

```
<div class="WordSection1">
<h1>Name : {uData ? uData[0].name : ''}</h1>
<h1>Department : {uData ? uData[0].department : ''}</h1>
<h2>RESEARCH </h2>
<h4>1.1 Research Projects</h4>
<table>
<tbody>
<tr>
<th>S.No</th>
<th>Name of the Faculty Member</th>
<th>Title of Project</th>
<th>Newly sanctioned or Ongoing</th>
<th>Sanctioned Amount(Rs.)</th>
<th>Grant No. / File No.</th>
<th>Amount Received(Rs.)</th>
<th>Funding Agency</th>
<th>Date of Sanction</th>
</tr>
{
research_projects ? research_projects.map((r,i)=>
{ const
{name,title,no,amount_sanctioned,fileno,amount_received,date_sanctioned,funding_agency} = r
return(
<tr key={i}>
<td>{i+1}</td>
<td>{name ? name : '-'}</td>
<td>{title ? title : '-'}</td>
<td>{no ? no : '-'}</td>
<td>{amount_sanctioned ? amount_sanctioned : '-'}</td>
<td>{fileno ? fileno : '-'}</td>
```

```
                    <td>{amount_received ? amount_received : '-'}</td>
                    <td>{funding_agency ? funding_agency : '-'}</td>
                    <td>{date_sanctioned ? date_sanctioned : '-'}</td>
                </tr>
            )
            }):null
        }
        </tbody>
        </table>

        <h4>1.2 Patents</h4>
        <table>
        <tbody>
        <tr>
            <th>S.No</th>
            <th>Name of the Faculty Member</th>
            <th>Title of the Patent  </th>
            <th>Patent Field</th>
            <th>Patent No. / File No.  </th>
            <th>Date of awarded of patent</th>
            <th>Royalty Received  </th>
            <th>Patent Providing Agency  </th>
            <th>India / Abroad(specify country)  </th>
        </tr>
        {
            patents ? patents.map((r,i)=>{
                const
{title,field,fileno,date_awarded_patent,royalty_received,providing_agency,country,name} = r
                return(
                    <tr key={i}>
```

```
                        <td>{i+1}</td>
                        <td>{name ? name : '-'}</td>
                        <td>{title ? title : '-'}</td>
                        <td>{field ? field : '-'}</td>
                        <td>{fileno ? fileno : '-'}</td>
                        <td>{date_awarded_patent ? date_awarded_patent : '-'}</td>
                        <td>{royalty_received ? royalty_received : '-'}</td>
                        <td>{providing_agency ? providing_agency : '-'}</td>
                        <td>{country ? country : '-'}</td>
                    </tr>
                )
            }):null
        }
</div>
</>
})
Export default Dashboard
```