A

Documentation Report

On

Couching Classes Management System

BACHELOR OF SCIENCE

IN

DATA SCIENCE AND BUSINESS INTELLIGENCE

ACADEMIC YEAR 2023-2024

SDBI | School of Data Science & Business Intelligence

SUBMITTED BY   SUBMITTED TO

AJMAL PATEL   18   AWESH BHORNYA (SIR)

AMAAN PATEL   20

SHASHANK KANDE   8

VBA CASE STUDY

CERTIFICATE

Estd 2009

HK
Hare Krishna

Hare Krishna Coaching Classes

Strengthen the Fundamentals...

Chunabhatti | Parel | Lower Parel | Kalyan | Tardeo | Kharghar

Registered Office : Unit no.- S12/31, 2ⁿᵈ floor, Haware Centurion Mall, Plot no. 88- 91, Sector 19A, Nerul (E), Navi Mumbai.

Date: 20/ 03/ 2024

Subject: Gratitude for Exceptional Data Handling Support

Dear Shashank kanade, Ajmal Patel, Amaan Patel,

    I am writing this letter to express our sincere gratitude for the exceptional support provided by Shashank, Ajmal and Amaan students from Patkar Varde College pursuing BSc.Data Science and Business analytics in addressing our data handling challenges.

    Your expertise with Excel VBA UserForm software significantly improved our data management systems, effectively rectifying discrepancies and streamlining processes. This has positively impacted our administrative efficiency and educational programs.

    We deeply appreciate your dedication and commitment to excellence, exemplifying the spirit of collaboration that defines our institution.

    Thank you for your invaluable contributions.

Warm regards,

Jimish Sakaria.
(Hare Krishna Coaching Classes)

DECLARATION

We as a student name are Ajmal, Shashank, Amaan pursuing Data Science at Mumbai University, hereby declare that the project work titled "COACHING MANAGEMENT" submitted by three of us i.e Ajmal, Amaan, Shashank comprises original work carried out by three of us.

I further affirm that the work presented in this project has not been submitted, either in part or in full, for the award of any other degree at Mumbai University or any other institute or university.

Date: [24-04-2024]

Place: [Mumbai]

Signature: _____

(Name: Ajmal

      Amaan

      Shashank)

ACKNOWLEDGEMENT

Completing any task is never solely the effort of one individual; it is a collective endeavor. It is often the culmination of the valuable contributions made by multiple individuals, both directly and indirectly, that shapes and achieves the desired objective.

We extend our heartfelt gratitude to Ajmal Patel, Shashank Kanade, and Amaan Patel, for their dedicated efforts, timely advice, and unwavering interest in our project. Their guidance, supervision, and constructive feedback were invaluable sources of inspiration throughout the entire process.

Furthermore, we acknowledge the indispensable support and encouragement provided by the faculty members of our department. Their guidance and mentorship played a crucial role in our project's success.

Last but not least, we express our deepest appreciation to our parents for their unwavering patience and unwavering support, which enabled us to pursue our objectives with determination.

We firmly believe that this collective endeavor has significantly bolstered our self-confidence and will continue to propel us towards achieving further milestones and scaling greater heights.

Ajmal Patel,

Shashank Kanade,

and Amaan Patel

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<u>INTRODUCTION</u>

Couching Classes Management System (CCMS) is the system that is going to be used in education centre. The idea on building this system is due to the lack of computerized in management system for education centre. The review to an existing system had been made and analysed in order to discover the lack and inappropriate method from the existing system. The management system that is covered in this is specialized to education centre aspect. The user of this system is the person that handles management works which are staff and top management. This system has the ability to keep huge data organized, secured and may reduce the uses of papers. There are sixth modules to be done in order to complete this system. All the tasks are managed by using the MS Excel Code That is VBA technique. Automated system is a time saving and gives better performance than manual based system.

OBJECTIVE

Management is essential in each and every fields of human life this is the era of computers nowadays every field is computerized computer have to be a perfect tool in planning control and execution computer is most of versatile tool ever man has created during the era of computer, computers have made a great impact on everyday life

The "Coaching Classes Management" project has been developed for XYZ Coaching Classes to assist employees in managing vast amounts of student data efficiently. This includes staff details, fee records, report card generation, attendance tracking, and other administrative tasks.

The aim of the coaching management software is to streamline the day-to-day operations of educational institutions using VBA software. With this software, users will be able to handle all aspects of coaching class management comprehensively.

Through this project, XYZ Coaching Classes will receive significant assistance in various tasks, such as entering student details, course information, fee records, result management, report card generation, and more, in an efficient manner. This VBA software has automated many time-consuming manual processes, reducing the workload and improving efficiency within the coaching classes.

Architecture

Designing and Backend

Designing is absolutely crucial in Excel automation. Without a well-thought-out plan, creating effective automation becomes a daunting task. A proper design ensures that the software meets user requirements and is manageable for the development team. It's essential that designers make their designs easily understandable for everyone involved, including developers and end-users.

A good design allows developers to efficiently implement automation, particularly with VBA, which is pivotal in Excel automation. Teams working in this field must have a solid grasp of Excel workbooks, macros, and their tools.

In essence, proper design is the backbone of successful Excel automation. It ensures that the software meets user needs, is understandable to all involved parties, and can be implemented effectively by the development team.

Below are some features and functions of coaching class system which has been developed by our team with images of our system.
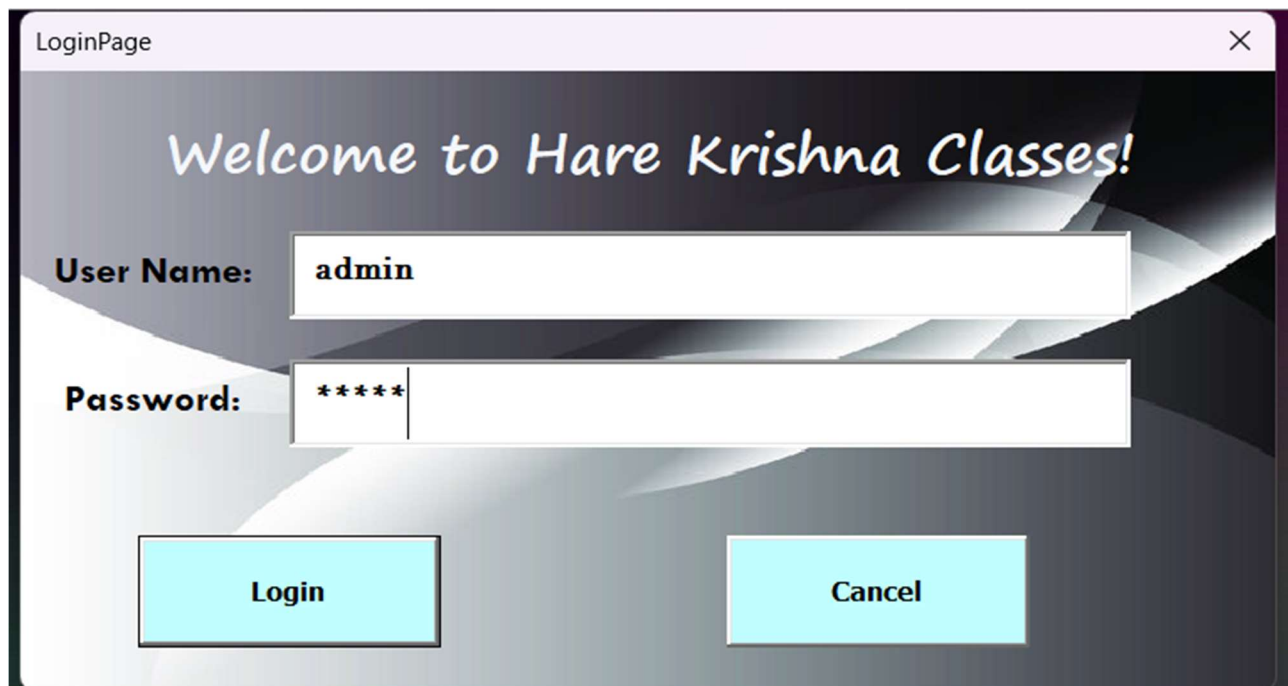
➢ Home Page:
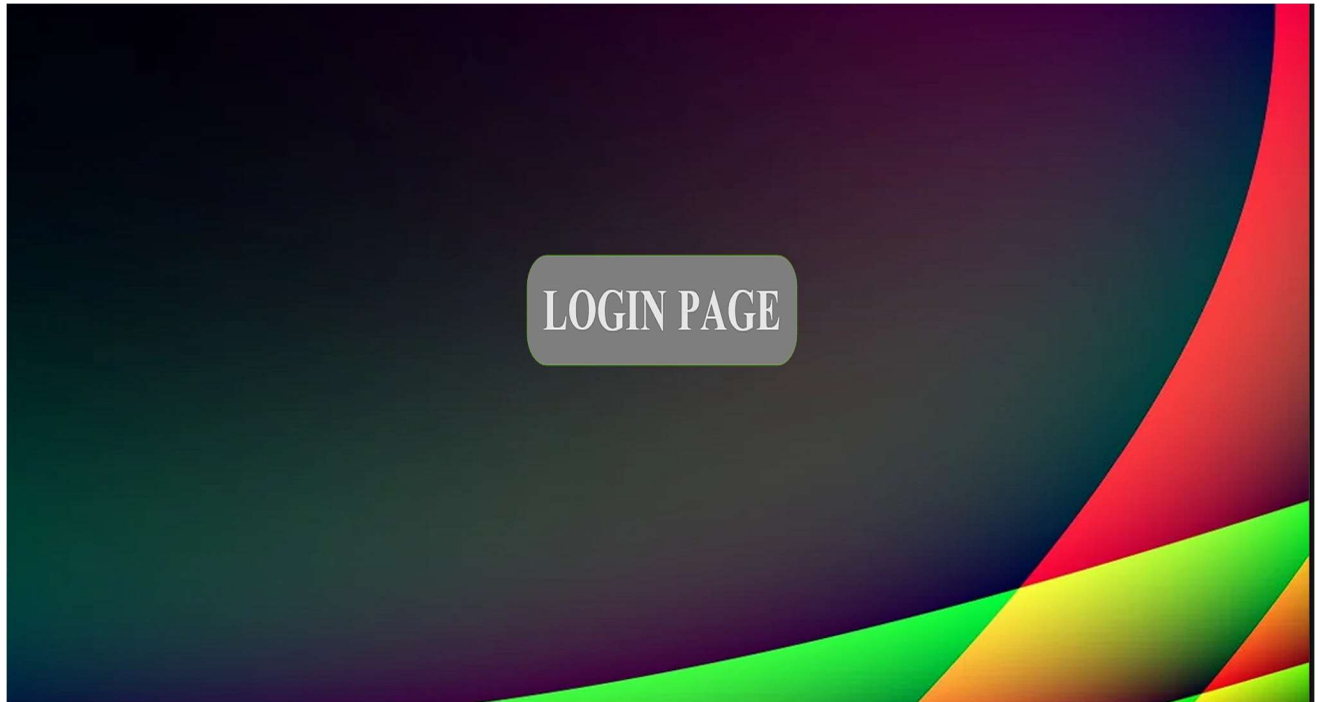
"Access your personalized experience with just a click. The 'Login Page' button awaits, offering seamless entry to your dashboard. Unlock exclusive features and tailored content effortlessly. Take control of your journey with a single tap. Let's get started – your portal to productivity awaits!"

After clicking the Login page, a user form will pop up, prompting you to input your username and password. This ensures secure access for the end user, maintaining confidentiality and personalized experience within the system. Please refer to the image below for a visual representation of the login form.

Now, upon clicking the Login button, a comprehensive dashboard unfolds, offering a multitude of navigation options for seamless access to various sections of the source. With six intuitive buttons—Admission Form, print Admission Form, Fee Receipt, Print Fee Receipt, Marks Record, and a close button to unload the user form users can effortlessly delve into specific areas tailored to their needs. Below is the virtual image.
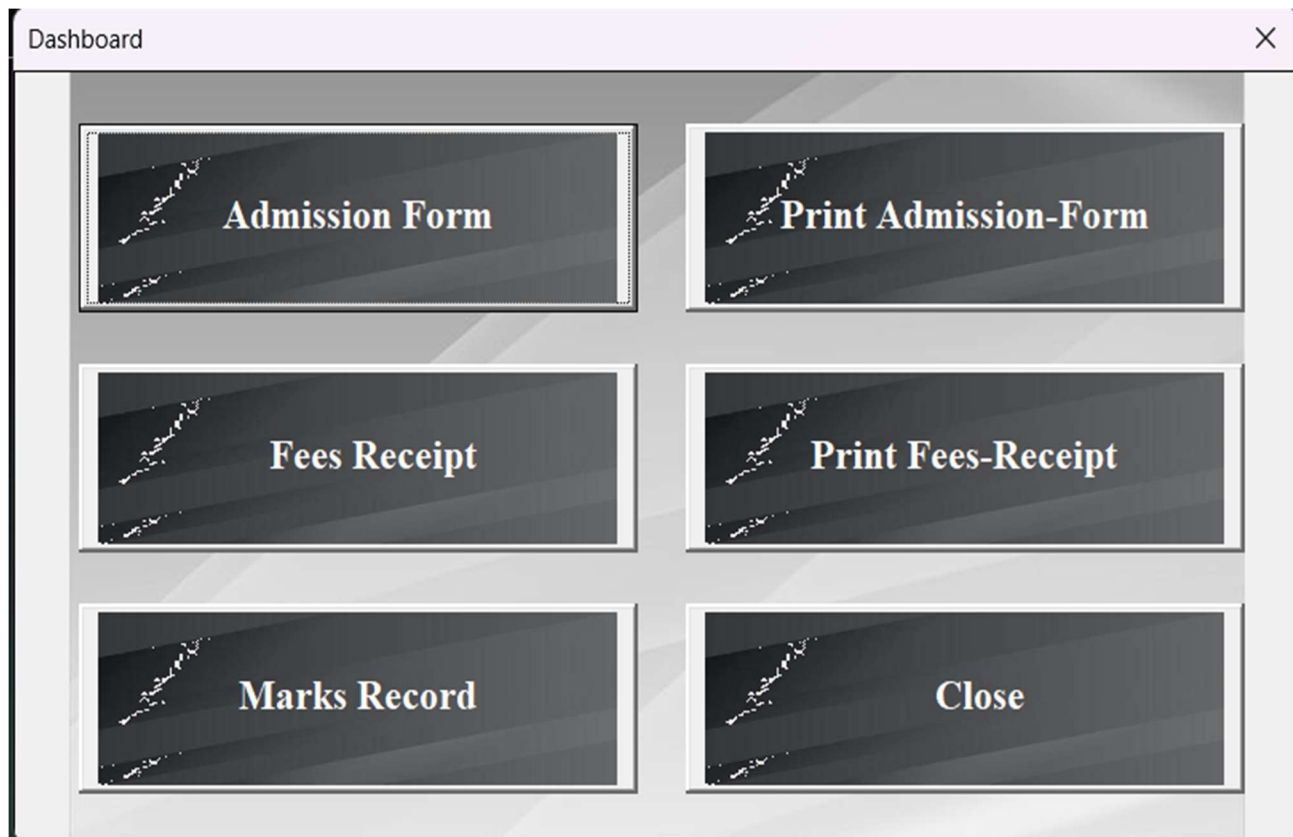
Now Let us have a look on each Button and their function

➢ Admission Form Button:

Upon clicking the "Admission Form" button, users are directed to a dedicated section where they can initiate the admission process for a student. A user-friendly form appears, pre-populated with the current date for convenience. This form prompts users to input essential details such as the student's personal information, academic background, and other relevant data required for admission. Below is the glimpse of the form with filled data.

Admisson Form ✕

Hare Krishna Coaching Classes

Registration No. `5555` | Year `2024` | Session `24-25` | Admission Date `24-03-24`

Type Reg. No.
[   ]

Student's Name `Mohammed Ajmal Patel`

Search

Father's Name `Mustak Patel`

Gender `Male` ▼

Date of Birth `16-12-2004`

Update

Mobile No. `9702636585`

Admission

Whatsapp No. `8898561441`

─ Upload Photo ─

Upload Photo

Parmanent Address `D/401,Sita smruti,Lodha Complex, Mira Road (East),Thane-40107`

School Name `Queen Mary's high School`

Reset

Stanadard `10th` ▼ Student Type `NEW` ▼

Close

In addition to the admission form itself, users are provided with a set of buttons conveniently located on the right-hand side of the form. These buttons offer various functionalities to streamline the admission process:

Admission: Upon clicking the "Admission" button, the admission of the student is confirmed, and relevant data is recorded within the system. This action finalizes the admission process, ensuring that the student's information is securely stored and accessible for future reference.

Search: This button allows users to search for existing admission forms within the system. Users can input specific criteria, such as student name or admission number, to quickly locate and retrieve relevant information.

Update: Clicking on the "Update" button enables users to modify or update existing admission forms. This functionality ensures that any changes or updates to student information can be easily managed and reflected accurately within the system.

Close: The "Close" button allows users to exit or close the admission form section. This provides users with the flexibility to navigate back to the main dashboard or other sections of the system after completing their admission-related tasks.

Reset: The "Reset" button allows users to reset the admission form to its default state, clearing any data or changes made. This functionality is useful if users need to start over or undo any modifications made to the form.

➢ Print Admission Form:

After clicking the "Admission" button, the system navigates the user to an Excel sheet containing a predefined format for the receipt of admission information. Here, users can easily locate the relevant section by searching for the assigned registration number provided during the admission process.

Upon finding the registration number, which serves as a unique identifier, the system automatically populates the corresponding details into the admission form. For instance, if the registration number is "555," the system retrieves and fills in the six-digit details associated with that registration number into the admission form.

Additionally, users are presented with a "Print Preview" button conveniently located on the right-hand side of the admission form. Clicking on this button allows users to preview the filled admission form before printing. This ensures accuracy and allows users to verify the information before generating the final printout.

Furthermore, users have the option to navigate back to the home page or dashboard by clicking on the respective button if they wish to return without printing the admission form. This flexibility allows users to easily switch between tasks or access other functionalities within the system as needed.

Image:

Hare Krishna Coaching Classes

Address - SJ Joshi Marg, near Jain Mandir, Lower Parel West, Lower Parel, Mumbai, Maharashtra

Reg.No	5555	Year	2024	Session	24-25	Admission Date	24-03-24

Student Name	Mohammed Ajmal Patel
Father Name	Mustak Patel
Date of Birth	16-12-2004

Admission in Class	10th

S t u d e n t   O t h e r   D e t a i l s

Gender	Male
Phone/Mobile No.1	9702636585
whatsapp	8898561441
Permanent Address	D/401,Sita smruti,Lodha Complex, Mira Road (East),Thane-40107

Parents / Guardian Signature	Signature and Stamp of Principal

Home

Type Student Reg. No.

5555

Show Details

Print Preview

Print

Print Preview:

Hare Krishna Coaching Classes

Address - SJ Joshi Marg, near Jain Mandir, Lower Parel West, Lower Parel, Mumbai, Maharashtra

Reg.No	5555	Year	2024	Session	24-25	Admission Date	24-03-24

Student Name	Mohammed Ajmal Patel
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Date of Birth	16-12-2004

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Gender	Male
Phone/Mobile No.1	9702636585
whatsapp	8898561441
Permanent Address	D/401,Sita smruti,Lodha Complex, Mira Road (East),Thane-40107

Parents / Guardian Signature	Signature and Stamp of Principal

➢ Fee Receipt Button:

Upon clicking the "Receive" button, users access a form designed for generating fee receipts. This form offers fields for users to input necessary details. Positioned on the right-hand side are three key buttons:

Record: After completing the form, selecting "Record" saves all entered information into the backend system. Additionally, this action triggers the automatic generation of a unique receipt number, ensuring accurate record-keeping and streamlined processing.

Close: Opting for "Close" exits the fee receipt interface, allowing users to return to the main dashboard or perform other tasks within the system. This functionality provides users with flexibility and ease of navigation.

Reset: Choosing "Reset" clears the form, enabling users to start afresh or make corrections as needed. This feature ensures user-friendliness and facilitates efficient data entry.

Image:

➤ Print Fee Receipt Button:

Upon clicking the "Fee Receipt" button, users are directed to an Excel sheet featuring a pre-defined receipt format. Here, users can swiftly locate specific receipts by searching

using the receipt number provided. This efficient search functionality ensures easy retrieval of desired receipts for review or printing.

Search: If users wish to print a specific receipt, they can utilize the "Search" button to locate the receipt by its unique receipt number. This allows for quick and accurate retrieval of the desired receipt for printing.

Print Preview: After filling out the form or locating the desired receipt, users can click on the "Print Preview" button. This function provides users with a preview of the receipt before printing, ensuring accuracy and allowing for any necessary adjustments.

Print: Upon verifying the details in the print preview, users can proceed to click the "Print" button. This action initiates the printing process, generating a hard copy of the receipt for record-keeping or distribution purposes.

Image:

Print Preview:

➢ MARKS RECORD:

Upon clicking the "Marks Record" button, users are presented with a user-friendly form designed for updating student marks and generating report cards. This form prompts users to input essential information such as the student's name, registration number, and the type of exam being conducted.

Within the form, there are nine text boxes corresponding to different subjects or categories where users can input the marks scored by the student in each subject. Once all the necessary information is filled out, users can click the "Register" button to finalize the entry.

Upon clicking "Register," all the data entered is securely recorded and stored in the Excel spreadsheet backend. This ensures accurate tracking and management of student marks and facilitates the generation of report cards based on the recorded data.

Marks Record User Form Image:
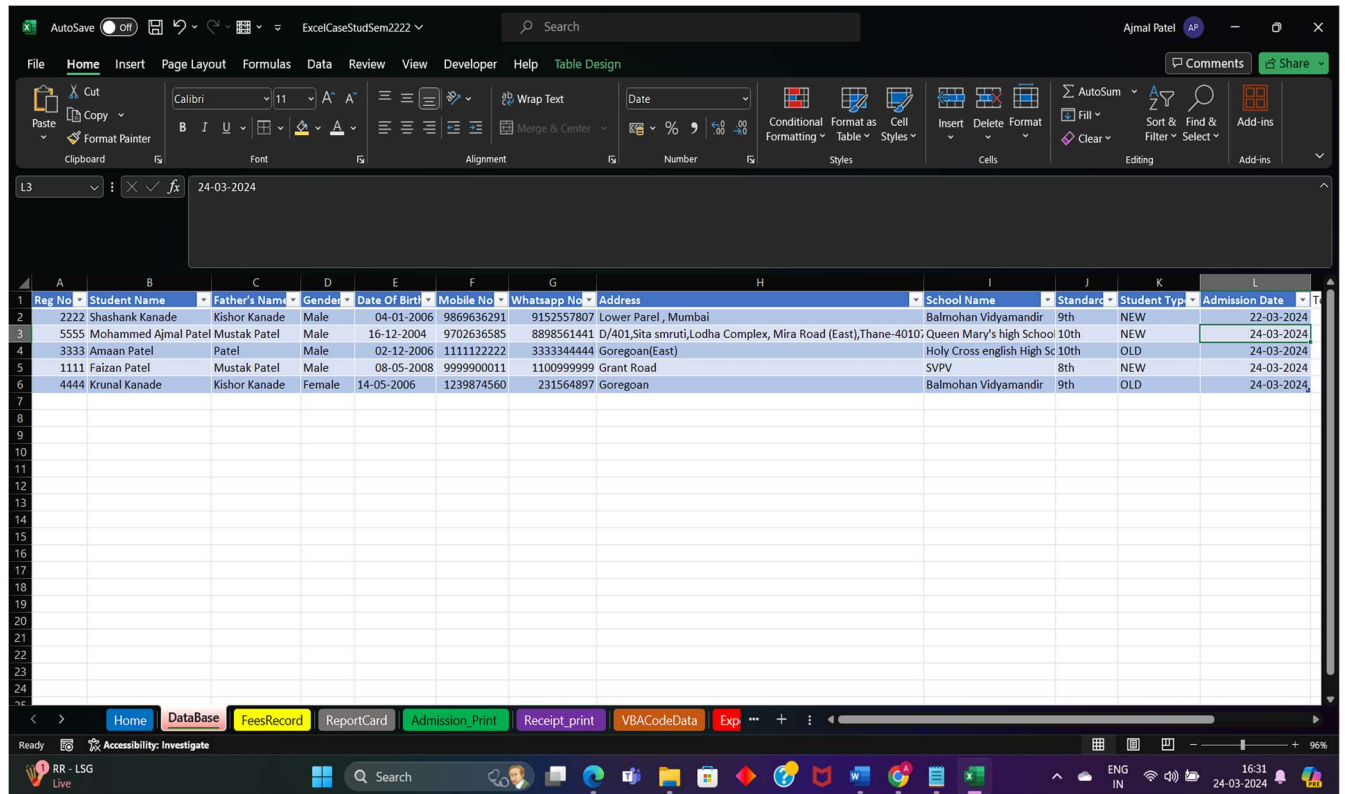
Images of Backend Record:

Student detail:

In this that is above image of Excel sheet, we've gathered all the information students provide when they apply for admission. It includes things like their name, address, and school records. Having all this info in one place helps us keep track of who's enrolled, communicate better, and follow our rules properly. We've organized everything neatly so it's easy to find what we need, making it simpler for our Couching Classes to run smoothly and support our students effectively.

Fees Record:

Receipt No.	Reg No.	Student Name	Standard	Date of Pay	Month of Fees	Fees Amount	Mode of Pay
1	6666	Mohammed Ajmal	10th	24-03-2024	January	5000	UPI
2	3333	Amaan Patel	10th	24-03-2024	Feburary	5000	CASH
3	2222	Shashank Kanade	9th	24-03-2024	March	3500	CHEQUE

In the above image of Excel sheet, we keep a careful record of every student's fees, noting down how much they paid, when they paid it, and how they paid it (like cash, check, or online). This helps us stay organized and make sure everyone's payments are up-to-date. It's like a clear money diary that helps us manage our finances and keep things running smoothly for our students.

Marks Record :

ID	NAME	EXAM	STANDARD	ENGLISH	HINDI	MATHS	SCIENCE	HISTORY	GEOGROPHY	MARATHI	TOTAL MARKS	PERCENTAGE
3333	Amaan Patel	1st UT	10th	81	65	85	79	90	80	70	550	78.57142857
6666	Ajmal Patel	1st UT	10th	85	70	92	90	88	90	75	590	84.28571429
2222	Shashank Kanade	1st UT	9th	90	75	88	90	91	88	75	597	85.28571429

In the above image of Excel sheet, the marks of the student is been filled in this sheet we have a breakdown of each student's marks for every subject in their semester exams. The sheet automatically calculates the percentage based on these marks, making it easy to see how well they performed overall. It's like a handy tool that shows us students' academic progress in a clear and organized way, helping us track their achievements effectively.

Conclusion

In conclusion, the coaching classes management system developed using VBA (Visual Basic for Applications) offers a comprehensive solution for efficiently managing various aspects of the coaching institution. With its user-friendly interface and automated functionalities, the system streamlines administrative tasks such as student admissions, fee management, and academic record-keeping. By leveraging VBA's capabilities, the system ensures accuracy, reduces manual effort, and enhances overall productivity. It empowers administrators to effectively track student progress, manage finances, and optimize resource allocation, ultimately contributing to the success and growth of the coaching classes.

<u>References</u>

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Website :

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