

Memorandum of Understanding (MoU)



Between

Dream Computer, Kolhapur

and

**Vivekanand College, Kolhapur (Autonomous), Maharashtra,
India**

In accordance with a mutual desire to promote activities between Dream Computer, Kolhapur and Vivekanand College, Kolhapur (Autonomous), Maharashtra, India, the two institutions (organizations) agree to the following statement of intent on knowledge transfer by educational, technical, ethical and research cooperation.

Cooperation and development of activities may extend to any fields and subjects in which the two institutions (organizations) Dream Computer, Kolhapur hereinafter referred as First party and Vivekanand College, Kolhapur (Autonomous) as second party may identify shared interests. The initial area of cooperation is academic and research, software development collaborations.

1. First party will extend their support and sponsorship for the Projects of the students and Teachers of Second Party, identified with mutual understanding. First Party will also permit the use of their equipment and facilities to the students and Teachers for this purpose.
2. Second party will offer technical consultancy services to First party as required. Scope and terms of such consultancy work may be decided with mutual understanding.

3. Second party will provide training in various areas to the employees of First party as and when required. Areas and logistics of such programs may be identified with mutual consent.
4. Specific task assignments in the areas not mentioned in this MOU may be explored and undertaken with mutual consent of both parties.

Both parties agree that all financial arrangements necessary to implement this General Agreement or any subsequent agreements must be negotiated according to the regulations of each institution, dependent upon the availability of funds. Both parties recognize that this General Agreement establishes a foundation of mutual understanding and interest, and does not in itself entail any financial obligations to either organization.

This agreement for partnership, cooperation and scientific exchange shall remain in effect for a period of five (05) years from the date of the last signature, with the understanding that it may be terminated by either party given three (03) months written notice to the partner institute.

This agreement may be amended with the consent of both institutions through a written addendum executed by authorized individuals from both institutions.

DREAM COMPUTER
17/8/2022

Mr. Vijay More
Chairman
Dream Computer, Kolhapur

Witness 1

Priya More
Priya

Dream Computer
D-103, Gruhyog Apartment,
Behind Renuka Mandir,
Main Road Kasaba Bawada
Kolhapur-416006
Mobile 9764896464, 8275919770
Date: 17/08/2022

Dr. R. R. Kumbhar
Principal
Vivekanand College, Kolhapur (Autonomous)

Witness 2

Dr. Shruti Joshi
IQAC Coordinator,
Vivekanand College, Kolhapur (Autonomous)



Vivekanand College, Kolhapur (Autonomous)
C.S. No 2130 "E" ward, Tarabai Park,
Kolhapur – 416 003, India.
Phone: +91 – 0231 – 2658612
Email: info@vivekanandcollege.org
Date: 17/08/2022

R.Y. Patil - man. Dream Computer
1,48,500/-

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Vivekanand College, Kolhapur (Autonomous)

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Phone: +91 – 0231 – 2658612
Email: info@vivekanandcollege.org

Subject: Proposal for Collaboration on Web Application Portal Development for Online Paper Setting, Lapses cases Management system and Lab Attendance System

Dear Sir,

I hope this letter finds you in good health and high spirits. My name is Mr. Vijay Mole, and I am writing to you on behalf of Dream Computer, Kolhapur, a leading firm in the field of software development and web application development.

I have had the privilege of learning about the commendable work and commitment to excellence that Vivekanand College, Kolhapur upholds in providing quality education to its students. Recognizing the evolving needs of educational institutions, we would like to propose a collaboration aimed at enhancing the technology infrastructure at Vivekanand College, Kolhapur.

Our proposal centers around the development of a comprehensive web application portal that will streamline critical processes such as Online paper setting portal, Online portal for Lapses cases management and lab attendance management system. We understand the challenges faced by educators in managing practical sessions in online paper setting, lapses cases at examination management at autonomous college and universities and our solution is designed to address these challenges effectively.

Key Features of the Proposed Web Application Portal:

Online Paper Setting:

- User-friendly interface for faculty to create, edit, and manage online question papers.
- Secure and customizable question bank for easy retrieval and reuse of questions.
- Automated randomization of questions to ensure fairness and integrity in assessments.

Lab Attendance System:

- Real-time attendance tracking during practical sessions in laboratories.
- Integration with student profiles for accurate record-keeping.

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- Notifications for irregularities or discrepancies in attendance.

Online Lapses Cases Management:

- Centralized system for reporting and managing lapses or incidents within the Examination setting.
- Secure access controls to ensure confidentiality and integrity of reported cases.
- Workflow automation for efficient resolution and documentation of lapses cases.

We would be honored to have the opportunity to discuss this proposal in further detail and address any questions or concerns you may have. Our team is committed to delivering a solution that not only meets but exceeds your expectations.

Thank you for considering our proposal. We look forward to the possibility of contributing to the technological advancement of Vivekanand College, Kolhapur

Sincerely,

Dream Computer
D-103, Gruhyog Apartment,
Behind Renuka Mandir,
Main Road Kasaba Bawada
Kolhapur-416006
Mobile No. 9764896464, 8275919770

Consultancy Document for Practical Lab Attendance Management Web Application Portal

Executive Summary

This consultancy aims to design, develop, and implement a robust web application portal for managing practical lab attendance within our educational institution. The portal will streamline the attendance tracking process, provide real-time insights, and enhance overall efficiency. This document provides an overview of the consultancy services required for the successful execution of this project.

Background

Recognizing the need for a more efficient and accurate method of managing practical lab attendance, we are seeking consultancy services to develop a web application portal. The current manual attendance tracking system is prone to errors and lacks real-time visibility. The proposed portal will automate attendance tracking, making the process more reliable and transparent.

Objectives

The primary objectives of this consultancy are:

- Develop a user-friendly web application portal for practical lab attendance management.
- Automate attendance tracking, reducing errors and improving accuracy.
- Provide real-time insights into attendance data for administrators and faculty.
- Ensure data security and compliance with relevant educational regulations.

Scope of Work

The scope of this consultancy includes:

1. Requirements Analysis:

Collaborate with stakeholders to gather and analyze requirements for the lab attendance management portal.

2. System Design:



Design a user-friendly and intuitive web application portal with features for attendance recording, monitoring, and reporting.

3. Development:

Implement the web application portal, utilizing modern technologies and best practices.

4. Integration:

Integrate the attendance management portal with existing systems and databases.

5. Testing:

Conduct thorough testing to ensure the reliability, security, and functionality of the portal.

6. Training:

Develop training materials and conduct training sessions for faculty and administrators to ensure effective utilization of the portal.

7. Documentation:

Provide comprehensive documentation for administrators, faculty, and end-users.

8. Support and Maintenance:

Offer ongoing support and maintenance to address any issues and ensure the continued smooth operation of the portal.

Methodology

The consultancy will follow a systematic methodology:

1. Kickoff Meeting:

Initiate the project with a kickoff meeting to align goals and expectations.

2. Requirements Gathering:

Work closely with stakeholders to gather and document detailed requirements.

3. Design and Development:

Design the portal architecture and commence development based on approved designs.

4. Testing and Quality Assurance:



Conduct rigorous testing to identify and rectify any issues.

5. Training:

Develop training materials and conduct user training sessions.

6. Documentation:

Prepare comprehensive documentation for system administrators, faculty, and end-users.

7. Deployment:

Deploy the attendance management portal in a phased approach.

8. Support and Maintenance:

Provide ongoing support and maintenance services.

Deliverables

The consultancy will deliver:

- A fully functional lab attendance management web application portal.
- Comprehensive documentation for administrators, faculty, and end-users.
- Training materials and conducted training sessions for faculty and administrators.

Ongoing support and maintenance plan.

Timeline

The consultancy is expected to be completed within [insert timeframe], with milestones and deadlines outlined in the project plan.

Budget

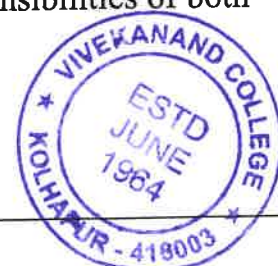
The estimated budget for this consultancy is [insert budget details], covering development, testing, training, documentation, and ongoing support.

Team Members

The consultancy team will include experts in web development, UI/UX design, testing, and training. A detailed list of team members and their roles will be provided upon approval.

Terms and Conditions

This section will outline the terms, conditions, and responsibilities of both parties involved in the consultancy.



Approval

This document is subject to approval by the relevant stakeholders before the consultancy commences.

Conclusion

The implementation of the lab attendance management web application portal is a critical step toward improving the efficiency and accuracy of attendance tracking in practical labs. This consultancy aims to ensure the successful development, implementation, and ongoing support of the portal, contributing to a more streamlined and transparent attendance management process.



Student Attendance System for Practical Labs Development Schedule

Phase 1: Project Initiation and Planning

Week 1-2: Project Kickoff and Requirements Gathering

- Hold a kickoff meeting with stakeholders.
- Gather detailed requirements for the Student Attendance System.

Week 3-4: Project Planning

- Develop a detailed project plan outlining tasks, milestones, and timelines.
- Assign roles and responsibilities to the development team.

Phase 2: Design and Architecture

Week 5-6: System Architecture and Database Design

- Design the overall architecture of the system.
- Develop the database schema for student information, attendance records, etc.

Week 7-8: User Interface Design

- Design the user interfaces for student registration, faculty dashboards, and administrative panels.
- Gather feedback from stakeholders and make necessary revisions.

Phase 3: Development

Week 9-12: Frontend Development

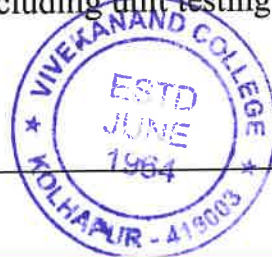
- Start developing the frontend of the Student Attendance System.
- Implement student registration and login features.

Week 13-16: Backend Development

- Develop the backend logic for attendance tracking, data storage, and user authentication.
- Integrate the system with the database.

Week 17-20: Integration and Testing

- Integrate frontend and backend components.
- Conduct thorough testing, including unit testing and system testing.



Phase 4: Deployment

Week 21-22: User Acceptance Testing (UAT)

- Conduct UAT with faculty, administrators, and selected students.
- Address any issues identified during testing.

Week 23-24: System Optimization and Finalization

- Optimize system performance.
- Finalize documentation and training materials.

Week 25-26: Deployment

- Deploy the Student Attendance System in a phased approach.
- Monitor system performance and address any post-deployment issues.

Phase 5: Training and Handover

Week 27-28: User Training

- Conduct training sessions for faculty, administrators, and students on system usage.
- Provide documentation for ongoing reference.

Week 29-30: Handover and Project Closure

- Handover the Student Attendance System to the educational institute.
- Complete project documentation and conduct a project closure meeting.



Progress Report and Meeting Details: Student Attendance System for Practical Labs

Date:

Meeting Attendees:

Principal: Dr. R.R.Kumbhar

IQAC Coodinator : Dr. Shruti Joshi

Web Development Organization Representative:

Dr. V.B.Waghmare H.O.D. Dept. of Computer Science

Dr. Rajashree Patil Asst.Prof.

Dr. Irfan Mujawar Asst. Prof.

Ms. Mrunal Dinde Asst.Prof

Ms. Shubhangi Bais Asst. Prof

Mr. Prem Kadam

Mr. Siddhesh Chogule

Mr. Shivam Patil

Mr. Sanket Birnale

Agenda:

1. Project Overview:

Brief overview of the Student Attendance System for Practical Labs project.

2. Project Status:

Summary of the current status of the project.

3. Achievements:

Highlight key achievements and milestones reached since the last meeting.

4. Challenges:

Address any challenges or issues encountered during the development process.

5. Demonstration:



Brief demonstration of the current state of the Student Attendance System.

6. Feedback and Questions:

Gather feedback from the principal and address any questions or concerns.

7. Next Steps:

Discuss upcoming milestones and the plan for the next phase of development.

Project Overview:

The Student Attendance System for Practical Labs project aims to develop a reliable and efficient system for tracking student attendance during practical lab sessions.

Project Status:

As of , the project is progressing according to the outlined schedule. Key components, such as student registration, lab attendance tracking, and reporting functionalities, have been successfully implemented.

Achievements:

- Student registration and authentication features are operational.
- Lab attendance tracking functionalities, including real-time updates and reporting, have been implemented.
- Basic reporting features for faculty and administrators are in place.

Demonstration:

Conducted a brief demonstration of the Student Attendance System, showcasing the implemented features.


Next Steps:

- Enhance reporting features for more detailed analysis.
- Conduct user acceptance testing with faculty and administrators.
- Finalize the system for deployment.

Conclusion:

The collaborative effort between the web development organization and the educational institute is progressing well, and the development of the Student Attendance System for Practical Labs is on track. Continued communication and feedback will be crucial for the successful completion of the project.

Date- 02/11/2022


HEAD
 DEPARTMENT OF COMPUTER SCIENCE
 VIVEKANAND COLLEGE, KOLHAPUR
 (AUTONOMOUS)




PRINCIPAL
 VIVEKANAND COLLEGE
 KOLHAPUR (AUTONOMOUS)

Consultancy Document for Lapses Cases Management Web Application Portal

Executive Summary

This consultancy aims to develop and implement a robust web application portal for managing lapses cases within our organization. The portal will streamline the process of identifying, tracking, and resolving lapses, enhancing transparency and efficiency. This document provides an overview of the consultancy services required for the successful execution of this project.

Background

In response to the need for a centralized and efficient system to manage lapses cases, we are seeking consultancy services to develop a web application portal. The current manual process is time-consuming and prone to errors. The proposed portal will automate and streamline the entire lapses management workflow.

Objectives

The primary objectives of this consultancy are:

- Develop a user-friendly web application portal for lapses cases management.
- Enable real-time tracking of lapses cases, from identification to resolution.
- Enhance collaboration among stakeholders involved in lapses resolution.
- Ensure data security and compliance with relevant regulations.

Scope of Work

The scope of this consultancy includes:

Requirements Analysis:

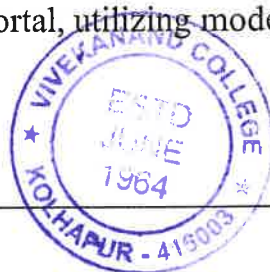
Collaborate with stakeholders to gather and analyze requirements for the lapses management portal.

System Design:

Design a user-friendly and intuitive web application portal with features for case identification, assignment, tracking, and resolution.

Development:

Implement the web application portal, utilizing modern technologies and best practices.



Integration:

Integrate the lapses management portal with existing systems and databases.

Testing:

Conduct thorough testing to ensure the reliability, security, and functionality of the portal.

Training:

Develop training materials and conduct training sessions for end-users to ensure effective utilization of the portal.

Documentation:

Provide comprehensive documentation for administrators and end-users.

Support and Maintenance:

Offer ongoing support and maintenance to address any issues and ensure the continued smooth operation of the portal.

Methodology

The consultancy will follow a systematic methodology:

Kickoff Meeting:

Initiate the project with a kickoff meeting to align goals and expectations.

Requirements Gathering:

Work closely with stakeholders to gather and document detailed requirements.

Design and Development:

Design the portal architecture and commence development based on approved designs.

Testing and Quality Assurance:

Conduct rigorous testing to identify and rectify any issues.

Training:

Develop training materials and conduct user training sessions.

Documentation:

Prepare comprehensive documentation for system administrators and end-users.

Deployment:

Deploy the lapses management portal in a phased approach.

Support and Maintenance:

Provide ongoing support and maintenance services.

Deliverables

The consultancy will deliver:

- A fully functional lapses management web application portal.
- Comprehensive documentation for administrators and end-users.
- Training materials and conducted training sessions for end-users.
- Ongoing support and maintenance plan.

Timeline

The consultancy is expected to be completed within 6 months, with milestones and deadlines outlined in the project plan.

Budget

The estimated budget for this consultancy is [insert budget details], covering development, testing, training, documentation, and ongoing support.

Team Members

The consultancy team will include experts in web development, UI/UX design, testing, and training. A detailed list of team members and their roles will be provided upon approval.

Terms and Conditions

This section will outline the terms, conditions, and responsibilities of both parties involved in the consultancy.

Approval

This document is subject to approval by the relevant stakeholders before the consultancy commences.



Conclusion

The implementation of the lapses management web application portal is a crucial step toward improving the efficiency and effectiveness of our organization's lapses resolution process. This consultancy aims to ensure the successful development, implementation, and ongoing support of the portal, contributing to a more streamlined and transparent workflow.

Date - 04/01/2023


HEAD
DEPARTMENT OF COMPUTER SCIENCE
VIVEKANAND COLLEGE
(Autonomous)




PRINCIPAL
VIVEKANAND COLLEGE
KOLHAPUR (AUTONOMOUS)

Consultancy Document for Online Paper-Setting Web Module

Summary

Vivekanand College, Kolhapur (Empowered Autonomous) has developed an advanced Online Paper-Setting Web Module, which was implemented in Flask-MySQL, to revolutionize the traditional manual exam paper-setting process. This module aims to be time-saving, secure, paperless and safeguard sensitive information. This document outlines the consultancy services required to ensure the seamless implementation and effective utilization of this innovative system.

Background

Recognizing the need for a more efficient and secure exam paper-setting process, Vivekanand College, Kolhapur (Empowered Autonomous) has developed an online module using Flask and the database for the same has developed in MySQL. This module addresses the limitations of the current manual system, offering features such as time-saving, enhanced security, paper lessness and protection of sensitive information.

Objectives

The primary objectives of this consultancy are:

- Facilitate a smooth transition from manual to online paper-setting processes.
- Provide training and support for Chairman, Paper Setters and the Controller of Examination (COE) in using the new module.
- Ensure the security and integrity of the exam paper-setting process.
- Implement the capability for the Controller of Examination to set paper patterns for each course.

Scope of Work

The scope of this consultancy includes:

Module Integration:

- Collaborate with the development team to seamlessly integrate the online paper-setting module with existing systems.
- Ensure effective connectivity with the MySQL database in Cloud based dedicated Linux Server.



User Roles and Permissions:

- Define and implement user roles, including Chairman, Paper Setter and Controller of Examination (COE).
- Establish permissions for each role, allowing access to specific functionalities like Course creation, Subject creation, Chairman formation, update Chairman information etc.

Training and Support:

- Develop comprehensive training materials for Chairman, Paper Setters, and the Controller of Examination (COE).
- Conduct training sessions to familiarize users with their respective roles and system features.
- Provide ongoing support to address any issues or queries.

Security Audit:

- Conduct a thorough security audit of the module to identify and address potential vulnerabilities.
- Implement measures to protect sensitive data and ensure compliance with data protection regulations.

Controller of Examination's Role:

- Customize the module to allow the Controller of Examination to set paper patterns for each course.
- Ensure a user-friendly interface for the Controller of Examination to manage and oversee the paper-setting process.
- Enable to download the random paper set for a particular paper before 1 hour of scheduled paper.

Methodology

The consultancy will adopt a phased methodology:

Assessment:

Evaluate the current manual paper-setting process and identify areas for improvement.

Customization:

Customize the module to align with the institute's specific requirements, incorporating user roles and permissions.



Training:

Develop and conduct role-specific training sessions for chairmen, paper setters, and the Controller of Examination.

Testing:

Conduct thorough testing of the module to identify and address any bugs or issues.

Implementation:

Implement the module in phases, ensuring minimal disruption to ongoing processes.

Deliverables

The consultancy will deliver:

- An integrated and customized online paper-setting module with defined user roles.
- Comprehensive training materials and conducted sessions for all user roles.
- Security audit report with implemented measures.
- A system allowing the Controller of Examination to set paper patterns.

Timeline

The consultancy is expected to be completed within [insert timeframe], with milestones for each phase outlined in the project plan.

Budget

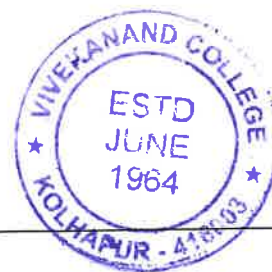
The estimated budget for this consultancy is [insert budget details], covering development, training, security audit, and ongoing support.

Team Members

The consultancy team will include experts in Flask, MySQL, training specialists, and security auditors. A detailed list of team members and their roles will be provided upon approval.

Terms and Conditions

This section will outline the terms, conditions, and responsibilities of both parties involved in the consultancy.



Approval

This document is subject to approval by the relevant stakeholders before the consultancy commences.

Conclusion

The implementation of the online paper-setting module, enriched with the specified features, is composed to enhance the efficiency and security of the exam paper-setting process. This consultancy aims to ensure a successful integration and utilization of the module, ultimately benefiting the Vivekanand College, Kolhapur (Empowered Autonomous) and its stakeholders.

Date-15/03/2023


HEAD
DEPARTMENT OF COMPUTER SCIENCE
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)




PRINCIPAL
VIVEKANAND COLLEGE
KOLHAPUR (AUTONOMOUS)

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Pay Principal, vivekanand college

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रुपये Rupees One Lakh forty eight thousand rs only — x —

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CANOR 134460

For DREAM COMPUTER

Proprietor/Authorised Signatory

Please sign above

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