Proposal

For

Integrated Academic Management System,

LMS,

&

Outcome Based Education Software (OBE)

vmedulife®

Software

with

Chaitanya Medical Foundation college of physiotherapy, Chinchwad, Pune, Maharashtra 411019

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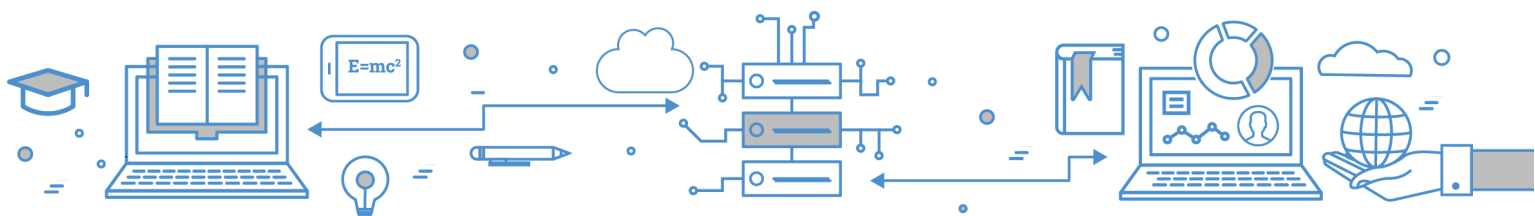
Proposal for:

Integrated Academic Management System, LMS & Outcome Based Education Software (OBE)

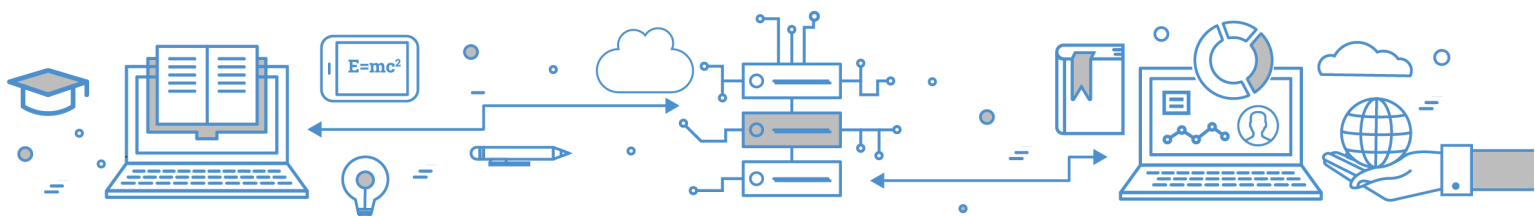Proposal Number: vmedulife/2022-23/177   Date: 8th March 2023

To:

Chaitanya Medical Foundation college of physiotherapy, Chinchwad, Pune, Maharashtra 411019
A T S S College,, Service Rd, Anna Sahib Nagar, Chinchwad, Pimpri-Chinchwad, Maharashtra 411019
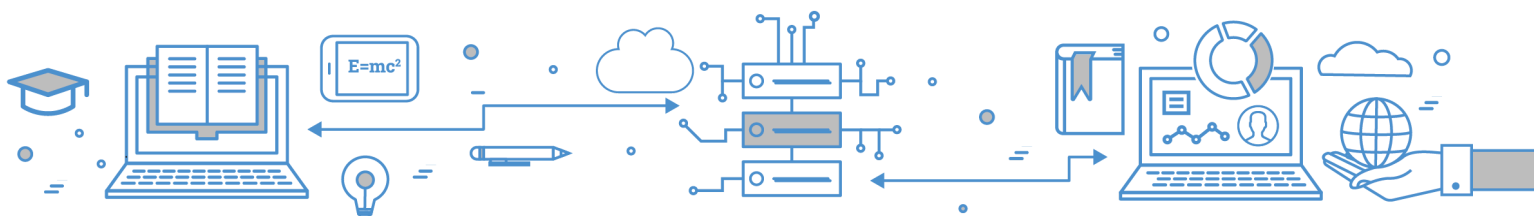
From:
vmedulife Private Limited,
2nd Floor, EFC Business Centre,
Rajiv Gandhi International Infotech Park,
Phase 1 IT Park,
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Pune, India 411057

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1) Preface

We thank you for inquiring about vmedulife Software for your esteemed institution. We take this opportunity to express our sincere thanks, on behalf of vmedulife, for the kind courtesies that were showed and the patient hearing that have been given to us during our interactions. As per the identified requirements of Chaitanya Medical Foundation college of physiotherapy, Chinchwad, Pune, Maharashtra 411019 we are giving you details enumerating the project scope, project approach & plan and commercials. Further to the discussion on your needs, here is the proposal we promised you.
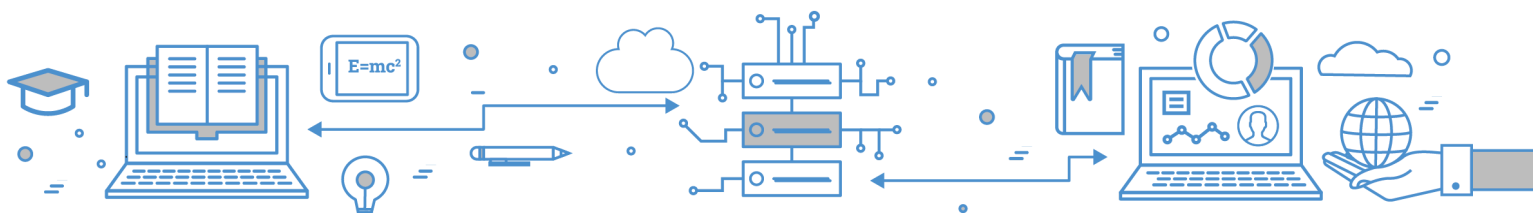
2) About vmedulife

vmedulife is a cloud-based learning platform provider for various educational institutions. vmedulife was established in 2013, we have developed an Academic Management System that helps the students, faculties and the managerial board. You can keep a track of anything, and everything related to the academic set up with our user-friendly services. vmedulife Platform is implemented across India in more than 500+ institutions and helping more than millions of students for better education.

We are proud to share that we are----
- Official member of **NASSCOM®**
- Recognized by **DIPP**, Ministry of Commerce & Industry, **Government of India**
- An **ISO 9001:2015 Certified** Company
- An Official Industry **Associate of SCGJ, Government of India**
- Recognized by **Govt.** under Innovation and Start-up Policy

3) Why vmedulife?
- We have successfully demonstrated our unique teaching learning platform to many of the NAAC/NBA committee members in the past few years.
- Online platform gives access for all stakeholders. Our Smart Outcome Based Education module has a built-in digital repository and a decision-making tool.
- Reliable and transparent brand providing academic software solutions.
- Innovative tools help the Management, Principal and the HODs to generate reports, graphs, and charts, with ease and in the fewest of the clicks. This helps
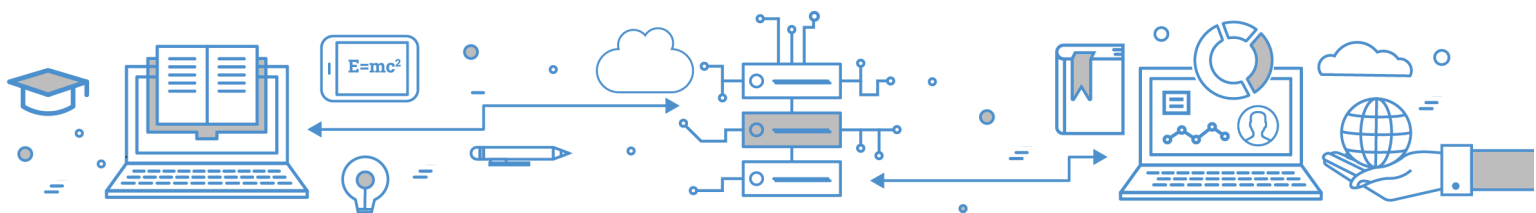
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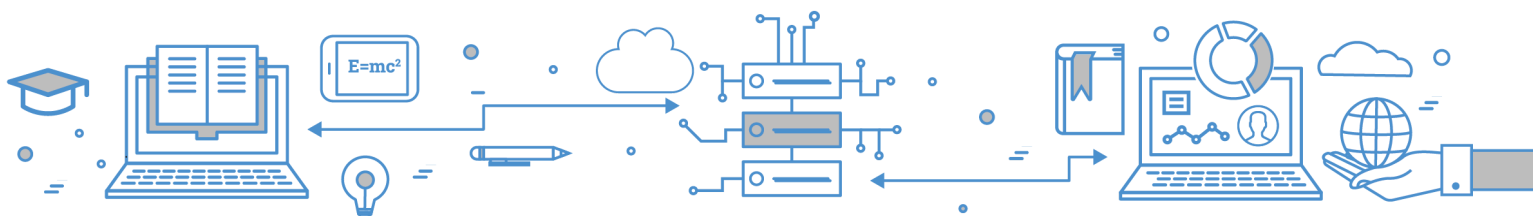you to make well-informed decisions with all the necessary information.

a) *Common platform to meet requirements for all the institutes, departments, and locations*
The architecture of vmedulife is designed in such a way that it meets the unique and varying needs of multi center organizations on a single platform itself. The product was conceptualized to work with large, growing organizations with distributed operations.

b) *Involvement of all stakeholders in a single platform*
vmedulife has separate dedicated portal for students, admin staff, academic staff, parents, applicants, and external users. This allows all the stakeholders to perform and transact data assigned to them using their respective portal. This ensures information access for all stakeholders, anytime, anywhere.

c) *Security with multiple level checks and user authentication - data security, encryption of required information, HTTPS, URL encryption*
vmedulife has a strong and robust architecture built on the latest technology which allows the data to be highly encrypted and secured in the solution. It has multiple level checks present in the solution along with user authentication which enable only authentic user to access the solution. vmedulife has user and role management feature which empower the user to access only those roles which they are assigned in the

d) *Built in intelligence & analytics with interactive dash boards*
vmedulife has built-in intelligence and analytics tools that make it the No. 1 choice for institutions looking for an education management solution. vmedulife provides the stakeholders with dashboards and reports in various modes such as pie chart, bar chart etc. which helps the management to quickly analyze the data.

e) *Built in Disaster recovery*
Daily automated backups, ability to upload backups on the cloud. Disaster Recovery is a primary solution for increasing database availability and zero data loss requirements in an ERP. Since vmedulife portal contains critical data and can have hundred thousand of records, it is vital to back-up the operating system and database to restore vmedulife if the server crashes or other errors cause the disruption of data storage and cause data integrity concerns.

- Since your Application & data is on cloud, your data is 100% secured.

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- Data export facility.
- No need to have expensive licenses & Minimum IT infrastructure is required. Lower Initial Costs: SaaS applications are subscription based. No license fees mean lower initial costs.
- **Lower deployment Costs:** Having the SaaS provider manage the IT infrastructure means lower. IT costs for hardware, software, and the people needed to manage it all.
- **Redistribute IT Budget:** By outsourcing software functionality to a provider, the enterprise realizes a cost savings in infrastructure requirements and IT personnel knowledge requirements. This allows the enterprise to focus on core competencies. It also means that the cost savings from using SaaS applications can be flat out saved or reallocated to boost productivity through other services.
- **Shorter deployment time:** Potentially minutes as opposed to a phased implementation that could take months.
- **Constant Upgrades:** Because the SaaS provider manages all updates and upgrades, there are no patches for customers to download or install. The SaaS provider also manages availability, so there is no need for customers to add hardware, software, or bandwidth as the user base grows.
- **24/7 server uptime:** Stay connected with your institution 24/7.

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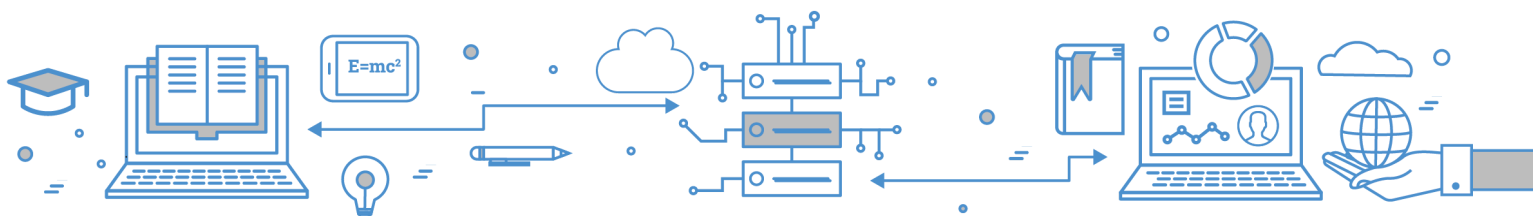
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4) **vmedulife® will**

a. Provide a common platform to meet the unique and varying needs of faculty, management, students, and parents of multi center organizations on a single platform at any location through a web based and a mobile application.

b. Provide data security with multiple level checks and user authentication - data security, encryption of required information, HTTPS, URL encryption.

c. Provide built in disaster recovery through daily automated backups and ability to upload backups on the cloud so that there are zero data loss requirements in software, enabling 100% data security.

d. Provide constant upgrades

e. Provide hosting for all applications & data hosted on company servers.

f. Institute will be able to download the information from vmedulife® Software regarding various modules as on when required from their login credentials.

g. Institute data will be maintained confidential. Company will never use the institute's web and app for demonstration purposes.

h. Online Live Classes will be conducted through official integrations of Zoom and Google Meet Platform. All terms and conditions will be as per standard functionalities provided by Google (Alphabet Inc) and Zoom.
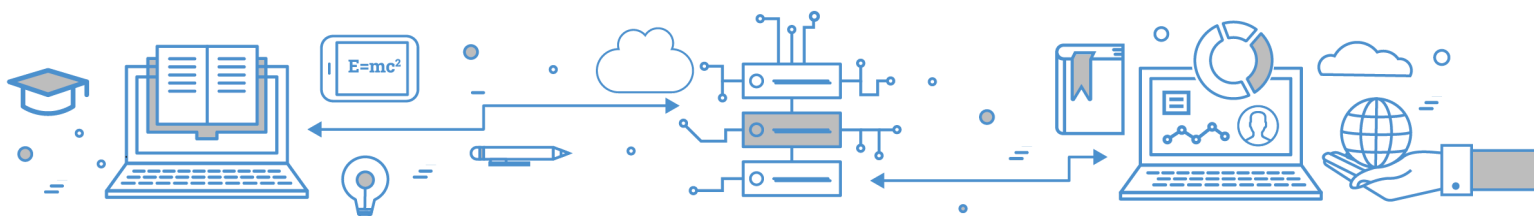
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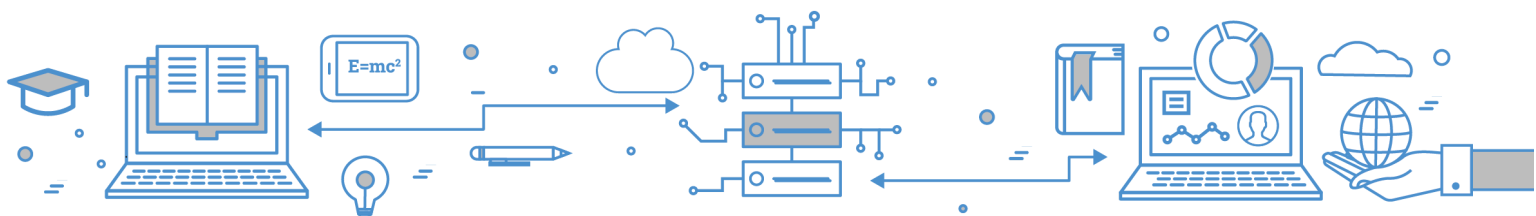
5) Modules to be provided by vmedulife®

The identified modules to be implemented along with their detailed features in scope are mentioned below:

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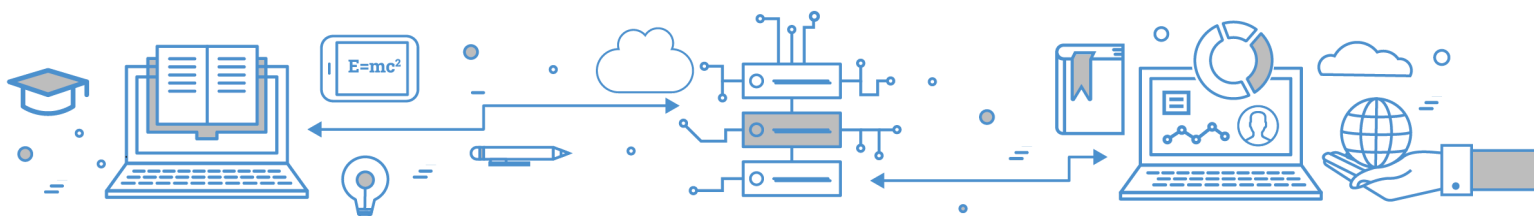| vmedulife® Modules	Details in brief
Stakeholders Access	• Management • Director • Principal • IQAC • HOD's • Faculty- Teaching and Non-teaching • Students • Alumni • Employer • Parents
Outcome	**Outcome Parameters:** • Program Outcome (PO) • Program Specific Outcome (PSO) • Competencies Level (CL) • Performance Indicators (PI)
Academic Planning-Admin Dashboard	• Course Management • Syllabus Management • Timetable Integrations

Academic Planning – Course Dashboard	**Course Dashboard**
	
	• **Units**
	    • Addition of Topics and Subtopics
	    • Mapping of syllabus with CO's and UO's
	    • Addition of Unit wise/ Topics wise Hours
	    • Auto-generation of Teaching Plan

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	● **Course Outcomes**
	
	  ● Addition of CO's
	  ● Tagging of CO's with
	    (a) PO's/PSO's
	    (b) Cognitive Levels
	    (c) Knowledge categories
	    (d) Classroom Sessions
	
	● **Target Level Attainment of PO's and PSO's**
	  ● CO-PO matrices of courses
	  ● Program level Course-PO matrix of all courses Including first year courses

Academic Planning - Classroom Sessions	● **Virtual Classroom**
	  ● Online Live Classes with integrations
	  ● Auto Attendance
	  ● No manual link sharing
	  ● Enabled Security
	
	● **Teaching Plan**
	  ● Proposed Teaching Plan
	  ● Actual Completion
	  ● Content Beyond Syllabus
	  ● Mapping of classroom sessions with CO's and UO's
	  ● Teaching Methodologies
	  ● Attendance of the students
	  ● Update Regular Sessions, Tutorials and Revision Sessions

Online Examinations/ Online Assignments	● **Features**
	  ● Secure and seamless online exam
	  ● Configuration of Online Exams
	  ● Create Multiple Sets
	
	● **Question Types**

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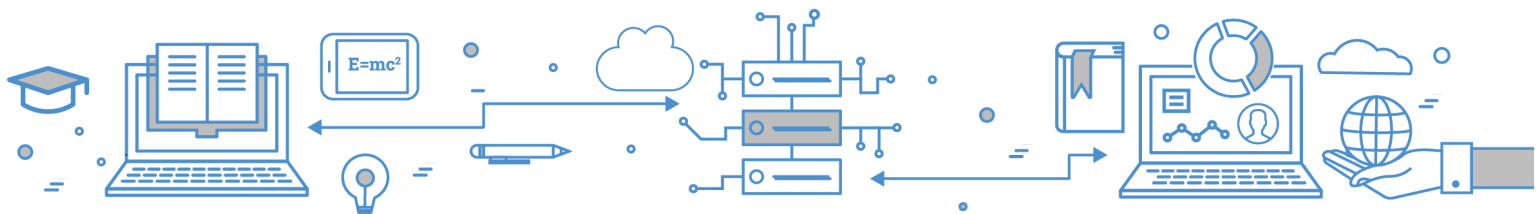
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(a) Objective
  (i)   Single Choice
  (ii)   Multiple Choice
 (iii)   One Word
 (iv)   True/ False

(b) Descriptive
  (i)   Short Answers
  (ii)   Long Answers

- **Quality of Question Paper**
  - (a) Assigning of Bloom's Levels
  - (b) Assigning of CO's, PO's and PSO's
  - (c) Question wise analysis
  - (d) Calculation of Outcome Attainment (CO, PO, PSO)
  - (e) Involve Competencies and Performance Indicators

- Automatic Grading
- Take Exam anywhere and anytime
- Real Time Analysis
- Application of negative marking
- Strict mode facility
- Scalable
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Learning Management System (LMS)
</td><td>

- **How It Works?**
  - Create Modules
  - Share within organization
  - Experience Creativity
  - Self-Analysis with Assessment
  - Perform in real time
  - Excel in the organization

- **Instructor Dashboard**
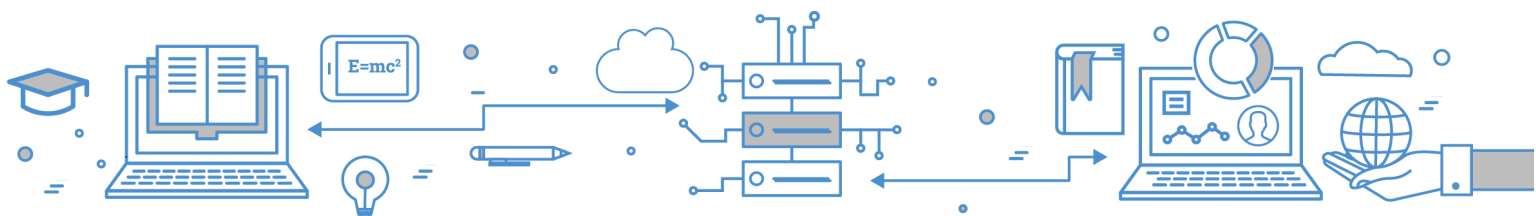 - Learners
  - Assign Role
  - Assign Course
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	- Track Progress - Share Notifications with all ● **Create Your Own Courses** - PDF Documents - Word File - Text File - Images - Video - Presentations ● **Unique Feature** - Connecting Global Education Community - Learning Management System for the administration, documentation, tracking, reporting and delivery of educational courses or training programs - ICT supported learning and QR Code Scanning - Innovations by the Faculty in Teaching and Learning - Relevance to PO's and PSO's - Self-Learning - Assesses the learning levels of the students, special programmes for Advanced learners and Slow learners - Create, Assign and Analyze the online courses - Facility for conducting Online Diploma Certification Courses

Examinations	● **Examination- Admin Dashboard** - Exam Schedule
	● **Designing of Question Paper** **Question Types** i) Objective
	      (1) Single Choice
	      (2) Multiple Choice

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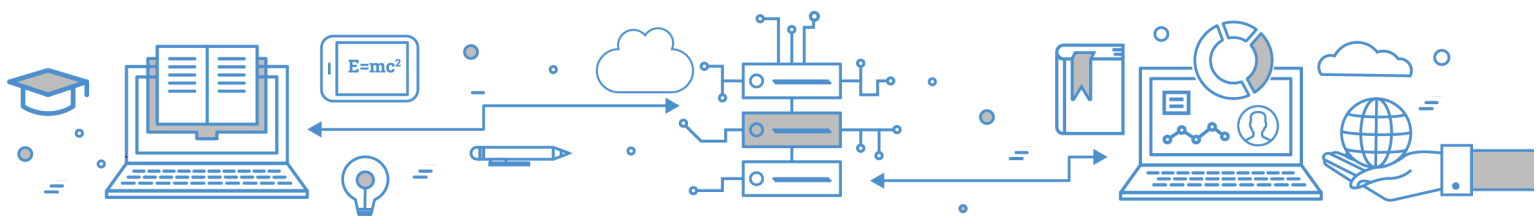|	

	(3) One Word
	(4) True/ False
	  ii) Descriptive
	(1) Short Answers
	(2) Long Answers
	
	● **Quality of Question Paper**
	    (a) Assign Bloom's Levels
	    (b) Assign CO's, PO's and PSO's
	    (c) Question wise analysis
	    (d) Calculation of Outcome Attainment – CO, PO, PSO
	    (e) Integrate Competencies and Performance Indicators
	
	● **Reports Available**
	  ● Question Paper
	  ● Quality of question paper based on
	    (a) Linked CO's
	    (b) Linked Bloom's Levels
	    (c) Involved PI's
	
	● **Evaluation and Analysis**
	  ● Question wise Analysis
	  ● Question wise CO Attainment
	  ● Student wise CO Attainment
	  ● Apply and customize Threshold values
	  ● Import/ Export Student Marks
	  ● Analysis based on total performance
	  ● Total CO Attainment
	  ● Assign weightage for In-semester and End Semester examinations

Online Feedback and Surveys	● **Multiple Users Access**
	  ● Students
	  ● Faculty
	    a. Teaching

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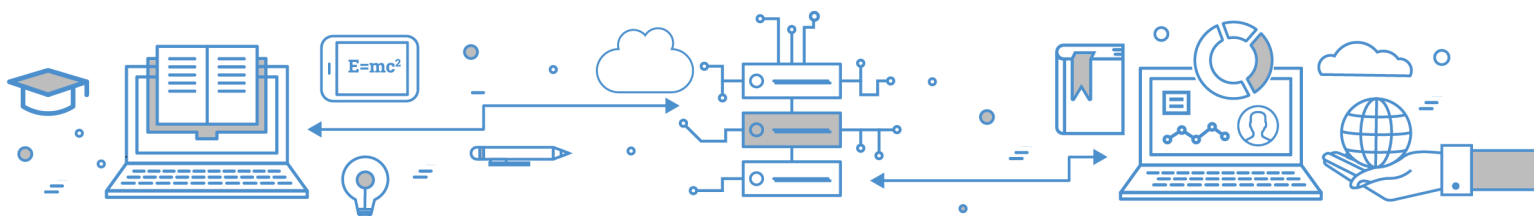Official **Member of NASSCOM**.

(NAAC/ NBA/ NIRF)
 	
(Built in analysis, visualization, and response monitoring)
	b. Non-Teaching
	● Alumni
	● Parents
	● Employer
	
	● **Feedback Process**
	  ● Feedback Categories
	  ● Feedback Questionnaire
	  ● Link PO's and PSO's
	  ● Assign to various stakeholders
	  ● Auto Survey Response Analysis
	  ● Question wise Analysis
	  ● Graphical Presentation
	  ● Actions Taken
	  ● Gaps Identified
	  ● Indirect Attainment of PO's and PSO's

OBE Aspects	● **Curriculum Attainment:** ● Effective curriculum delivery through a well-planned and documented process involving all the aspects ● Defining Unit Outcomes, Course Outcomes, Gap analysis, Bloom's taxonomy ● **Course Outcome and Program Outcome Attainment:** ● Identify extent of compliance of university curriculum for attaining PO's & PSO's ● Internal semester question paper setting, question wise analysis, evaluation, and its compliance ● Question paper validation to ensure desired standard from outcome attainment perspective as well as learning levels perspective ● Mapping of questions with the Course outcomes ● Attainment of PO, PSO's, CO's ● Surveys and feedback mapping **Mapping of Competencies and Performance Indicators** ● Defining Competency levels as per Examination reforms

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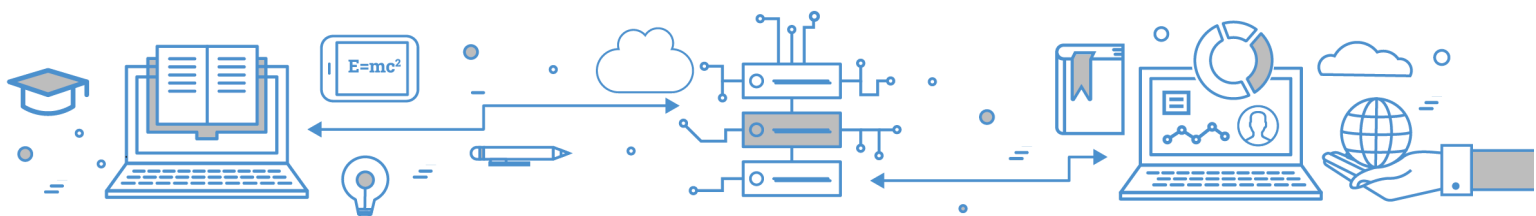|	
	- Defining performance indicators for each competency level - Mapping of PI's with questions and analysis
Rubrics	- Criteria / performance Indicator: The aspects of performance that will be assessed - Descriptors: Characteristics that are associated with each dimension - Scale/level of performance: A rating scale that defines student's level of mastery within each criterion **Application of Rubrics** - Course projects - Open-ended experiments in laboratories - Project-based learning modules - MOOCS - Co-Curricular experiences - Mini / Minor projects - Final year projects - Internship experiences - E-portfolios of student work
IQAC Dashboard	- Self Study Report (SSR) - Self Assessment Report (SAR) - Outcome Attainment - Academic Planning - Result Analysis - Online Examinations - Assignments - Mentoring
Mentoring	- Configure Rules - Configure Guideline - Assign mentee - Mentoring counseling details - Add Questions - Manage Template - Details of the counseling - Records and Reports

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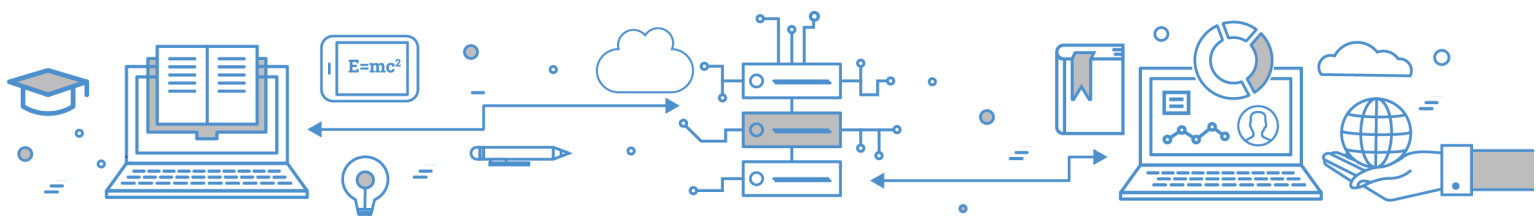|	
Faculty Profile and Contributions	- Qualifications - Certification Program - Professional Experience - Core Competency Areas - Achievements / Awards - Publications - Seminars / Workshops / Conferences / Presentation / Poster Presentation - Books / Monographs Published - Patents Granted / Filed - Consultancy Provided - Professional Affiliations - Grants received - Extension Activities
Online Grievance Redressal System	- Cloud based platform using AWS cloud with SSD block storage - Capable to serve more than one million requests at a time - Banking level security - Instant Integration with website - vmedulife provide facility/portal to register complaints confidentially by *Students * Teaching Staff * Non-Teaching Staff * Parents * Employer * Alumni - A meticulously built user interface for both the complaint and the authority, complete with an elaborate admin panel. - Proper verification through email and OTP to ensure the authenticity of complaints. - Generating insights from the system in terms of the total complaints filed during a period, the resolved and pending numbers. - Option of sending replies and/or forwarding a complaint, archiving or closing it. - Provision of categorizing complaints and resolving them accordingly. - Option to download a complaint/report in Word and PDF formats for further reference.

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Student Portal	- Student Details - Parent / stakeholder like guardian details and access etc. - Work Experience - Other Details - Extracurricular activities - Notifications of extracurricular activities - Services opted for - Feedback - Enrollment - Participation - Notifications
Committee and Meetings Management	- Committee Creation - Provision to add Committee coordinator at the time of committee creation - Committee members report - Individual Meeting Summary - Records of Minutes of Meeting (MOM) - Website Integration
Android Application	- Android application which is lifeline for many of the organizations
Green Campus Certification	- Green Campus Certification with registration id (Certificate will be issued after one year and should not hamper payment terms)
Training and Placement Portal	- Add Company | Create Drive | Set Criteria | Create Schedule | - Student Registration Report | Eligible Student Report | - Forward Selected Students to Next Round | - Round wise Drive Result and Status; Approval from TPO | Restrict Students Access |Manage Schedule | Academic - Year wise Placed Students Report | - Comparative Report | Graphical Report

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Event Management	● Post Event ● Manage Event ● Generate Newsletter ● Manage Event Categories ● Add event attendees
e- Notice Board	● Manage Notice ● Manage Notice Categories ● Assigning to various stakeholders
Website Integration	This section provides web links to integrate vmedulife platform modules to your Institute/College Website. ● Grievance Redressal Portal ● Learning Management System (LMS) ● Alumni Portal ● News and Events ● Faculty Profile ● Committee and Meetings

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