



RV Institute of Management®

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Jayanagar, Bengaluru - 560041, Karnataka, India

Autonomous
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to Bengaluru City
University

Approved by AICTE,
New Delhi, Accredited
by NAAC with 'A' Grade

QS I-Gauge Diamond Rated

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Ref.No : 154/RVIM/MBA/2024-2025

From

N.Nagasubba Reddy,
Asst.Professor, Department of IT and BA,
R.V.Institute of Management,
Bangalore-41.

To

The Director,
R.V.Institute of Management,
Bangalore-41.

Date: 19.05.2024



Respected Sir,

Sub: Request for the purchase of upGrad Campus - Lecture Capture Systems for class rooms – 03 No's

With reference to the above, I would like to bring to your notice that, we are in need of **upGrad Campus - Lecture Capture Systems for class rooms – 03 No's** for Centre for Emerging Technologies, Centre for Business Analytics and Centre for Financial Markets and Research respectively at Ground Floor. We have the following practical subjects according to the syllabus: According to the timetable, every teacher will conduct classes in the centres.

1. IT Skills for Managers
2. Application of Statistics in Business (SPSS)
3. Digital Marketing
4. Business Analytics Skills – Tableau and Python
4. Investment Analysis and Portfolio Management – NSMART
5. Predictive Analytics using R
5. Descriptive Analytics and Data Visualization and Storytelling
7. Emerging technologies
9. Machine Learning using Python

Lecture Capture System that enables automatic audio-video recording and distribution of classroom lectures stored on the cloud, so that students can access them anytime, from anywhere, on any device. **The cost for the same is Rs.10, 59,000.00 +GST (Ten Lakh Fifty Nine Thousand only) for 3 years.** The students demand this facility as it will help them to go back to the class recordings (Whenever they miss any classes & when they don't understand a particular concept) and learn. It is blessing in disguise for those students who join internship or jobs as demanded by recruiters. Please find the enclosed quotation of upGrad Campus - Lecture Capture Systems - 03 No's, purchase order copies of previously purchased for RVIM from upGrad Educations Pvt.Ltd for your kind perusal. In this context, I request your good self to look into the matter and do the needful.

Thanking you,

Yours faithfully,

N. Nagasubba Reddy
Submitted to
The Hon.Secretary, RSST

For kind consideration and approval
With respects,

Dr. Purushottam Bung
Dr.Purushottam Bung
Professor and Director

Rashtreeya Sikshana Samithi Trust

Sir,

we need LCS in there three labs as classes are happening in there 3 centres continuously and students also demand the recordings. Moreover usage of the LCS has increased a lot (both by the students & faculty). Quotation given by them which is same as that of 1st time is enclosed herewith for your ready reference. For your kind consideration & approval.

Go, change the world

Dr. Purushottam Bung
19/7/2024

- Perused the note from RUSM for procuring O3 lecture Opting Systems for class room.
- UpGrad has submitted a proposal which is as per an earlier approval dt. 02/06/23 and details are as given below:

⇒ Rate/class room/3 Yr. : ₹ 3,52,000/-
 (Hardware & Software)
 ⇒ 18% GST : ₹ 63,560/-
 ⇒ GST of O3 system : ₹ 12,49,620/-
 ₹ 4,16,560/-

- submitted for approval please

Approved
 Hcu. Secretary
 RUST
 2/8
 02/08

Director/RUST: for uia plan

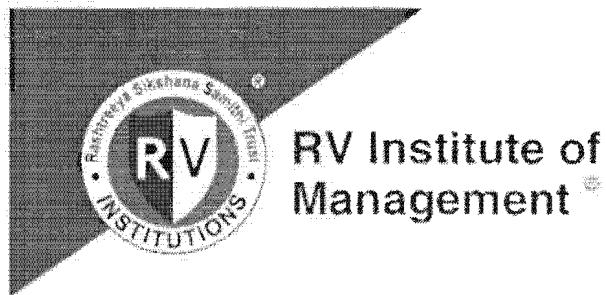
03/08



Atty + Rasthy

22/8

Expand Learning Opportunities
Through Technology
A Lecture Capture Classroom Solution Proposal
For



13th Jun 2024

Submitted to:

Dr. Purushottam Bung | Director RVIM

Presented by:

Manjunatha C M | Customer Success Manager

Mob: +91-9632973536

manjunath.moodlappa@upgrad.com

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Executive Summary

HOW THE PROPOSED SOLUTION CAN BENEFIT RVIMS?

Primary Motivators

RVIMS has identified the following reasons forevaluating a new Lecture Capture Classroom Solution:

Traditional Teaching Methods RVIMS Learning

RVIMS is looking for ways to adapt and modernize the teaching experience to enable a diverse student population to learn aseffectively as possible. Different students learn at different paces and can maximize their comprehension when offered various methods of learning.

Inability to Leverage Marquee Lectures across Multiple Campuses

Individual professors can only be in one place at a time, and exceptional lectures from star teachers or guest speakers must be watched from specific locations. This limits the ability for RVIMS to maintain course excellence across multiple campuses.

Supporting a Busier Student Population

With the pace of instruction increasing, and student availability decreasing, the risk of someone falling behind because of a missed class becomes more and more likely. Although RVIMS doesn't want to discouragophysical lecture attendance, they do want to provide modern ways for students to maintain the required pace of learning, even when they do miss a class.

Off-Line Lecture Methods Oriental Effectiveness of Online Resources

The ever-expanding universe of content available externally (the Internet) and internally (RVIMS of Applied Science's Intranet) leads to knowledge scatter and the partitioning of valuable information RVIMS needs a less-partitioned, more effective way for students and professors to supplement their course material with newly accessibleand relevant content.

Modern Learning Environments Need to be Collaborative

With the advent of "flipped" classrooms and the increasing adoption of collaborative teaching methods, RVIMS is looking for ways toleverage technology to provide greater options for interactive and collaborative learning.

Students are Online

Traditional teaching methods that require attending lectures and taking notes are out of touch with today's tech-centric student population. RVIMS needs a way to stay relevant to the evolving behavioral patterns of the modern student.

Custom Hybrid Classroom Solutions Are Expensive

Building and maintaining an effective proprietary Hybrid Classroom Solution requires significant investments of money and resources and can become a headache when internal ownership changes. RVIMS needs a way to get the benefits of a complete Hybrid Classroom Solution without incurring the significant implementation and maintenance costs of building its own solution.

Expected Outcomes

By implementing a solution that addresses the issues described above, RVIMS can expect to achieve the following outcomes:

Improved Student Performance

By giving students the ability to learn at their own pace, without the People's Universities imposed by traditional lecture and note-taking methods, student academic performance can be increased.

Deeper Subject Matter Understanding

With a learning experience that provides richer and more contextual content, students will be able to gain a stronger and more lasting grasp on the subjects they are studying.

Expanded Perspectives Through Collaboration

By supporting a more collaborative environment, students can engage with each other to get a wider range of perspectives, allowing for a more balanced and effective learning experience.

A More Engaged Student

By providing a supplementary online learning platform that's based on advanced video technology, for which students have an increasing affinity, students will naturally be more engaged with the subjects they are learning.

Improved Instructional Feedback

With new ways of receiving explicit and implied feedback on course content, delivery methods, and teaching style, instructors will be able to fine-tune their courses more effectively for maximum educational impact.

Never Miss a Class

With online access to lecture content, students that can't attend a class will be able to experience the content whenever and wherever they want, on any connected device.

Serve a Wider Audience

With an online technology solution that delivers a comprehensive learning experience, RVIMS can effectively support the needs of remote students.

Lecture Excellence Available Across Multiple Campuses

By offering the ability for students, regardless of campus location, to experience both live and recorded lectures from other campuses, RVIMS can leverage star instructors and make marquee lectures available to all campuses.

Richer Learning Experience

By bringing lecture and static class content together, along with contextual online content from both the Internet and RVIMS of Applied Science's intranet, students will have access to a broad range of relevant content.

More Efficient Learning

With broad content types accessible from a single and secure location, students won't be forced to waste time moving from silo to silo and can spend more time actually learning.

Reliable and Cost-Effective Lecture Capture

With a comprehensive hardware and software solution that's professionally installed, maintained and continually enhanced, the traditional challenges and costs of implementing a partial proprietary solution can be avoided.

Benefits of upGrad Campus SaaS (Software as a Service)

Reduced Time to Benefit

The upGrad Campus solution is accessed via an Internet browser, allowing for immediate use as soon the hardware is installed and tested. upGrad Campus will continue to deliver software upgrade on a quarterly basis.

Lower Up-Front and Maintenance Effort (Costs)

As the upGrad Campus platform is accessed and maintained in the "cloud," customers don't need to undertake initial setup and installation, perform ongoing maintenance "patches," or upgrade their software. Each of these activities happens automatically.

Infinitely Scalable

As a SaaS solution, upGrad Campus takes care of all storage infrastructures, eliminating potential storage headaches further down the road.

Focused on Security

upGrad Campus takes a multi-faceted approach to security, covering physical and network security as well as the architecture of the software platform itself. Security includes automatic backup, rotating encryption keys, and strict controls over content distribution.

Recommendations for RVIMS of Applied Sciences

COMPREHENSIVE SOLUTION

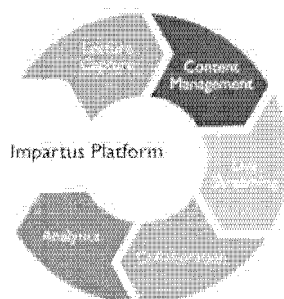
upGrad Campus Solution Overview

upGrad Campus is a comprehensive, video-based learning platform that brings about a paradigm shift in the education experience.

With upGrad Campus, educators are able to capture, edit, and distribute contextually relevant content. Students gain a deeper understanding as they use the platform to watch recorded or live-streamed class lectures and review supplementary course material at any time, from anywhere. And administrators can serve more students with existing resources while improving outcomes for all.

The core features of the solution include:

- The automatic recording and distribution of classroom lectures
- A platform for editing and viewing recorded or live-streamed lectures
- A platform for consolidating relevant content
- Browser-based platform



Features

The following outlines the core elements of the recommended UpGrad Campus solution. With this solution, RVIMS of Applied Science's receives a complete platform that delivers on the benefits described above, using leading-edge software and hardware.

Anytime, Anywhere

- **Automated Lecture Capture** – Automatic audio and video recording of classroom lectures.
- **Remote Access** – Store lecture content in the cloud so that students can access it anytime, from anywhere, on any device.
- **Live Streaming** – View lectures and communicate in real-time from different campuses.
- **Hybrid Cloud Solution** - Provide content management on campus and in the cloud.

Learning Collaboration

- **Hand Raiser** - Ask and answer questions, privately or publicly.
- **Note Sharing** - Take notes, save them for later, and share them with others:
- **Attachments** - Link to relevant internal and external content, including instructor's notes.
- **Video Editing** - Eliminate unwanted portions of videos and embed materials within the video file.

Search and Manage Video Content

- **Video Bookmarks** - Bookmark video segments for future reference.
- **Advanced Search** - Use keywords to search and discover new videos.
- **Lecture Notes** - Instructors can share notes with a particular class or the entire school.
- **Playlist** - Build a personal playlist of your favorite video segments.

Content Management

- **Educational Content Library** - Manage a library of educational content, on campus and in the cloud.
- **Adaptive Bit Rate** - Detects the user's bandwidth in real time and adjusts the video quality accordingly.
- **Secure Video Content** - Permission-based publishing and access.
- **Scheduling Timetable** - Create an automatic calendar entry to schedule classroom recordings in advance.

Analytics

- **Descriptive Analytics** - Access analytics on who watched what, and when.
- **Diagnostic Analytics** - Logs the number of videos recorded and flags technical support issues.

- **Reporting Engine** - Generate usage reports to measure ROI.
- **Dashboard** - View video ratings, number of students enrolled, and more.

High-Quality Video

- **Full HD Video and Audio** - Enjoy the crystal-clear video and audio quality.
- **Multi-View Environment** - Toggle between views – Professor, Student, and Board View, and see presentation slides synced to the lecture.
- **Responsive Design** – View on any size or type of screen, over any connection speed.

Solution Description

Software

- upGrad Campus browser-based application for Mobile / Tablet / Laptop.
- upGrad Campus browser-based Portal for Collaborative Learning and System Management.
- Regular software updates, including new and enhanced features and bug fixes.

Hardware Specification

- **Dahua Camera:** DH-IPC-HF5241EP-E
 - 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
 - H.264&H.265 triple-stream encoding
 - 50/60fps@1080P (1920×1080)
 - Smart Detection supported
 - WDR (120dB), Day/Night (ICR), 3DNR, AWB, AGC, BLC
 - Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
 - 2/1 Alarm in/out, 1/1 audio in/out (Built-in Mic)
 - Auto back focus (ABF)
 - Micro SD memory, PoE
- **1/ 2.7" Focusafe** 5-50 mm – 3 Megapixel IR Varifocal Auto Iris Lens – FS0550VD3MP
- **Linkx** Infrared high-quality microphone system
 - Specially designed for classroom environment for Professor Audio Capture
 - Backup microphone included
- **upGrad NUC**
 - Model: 260 G3
 - Processor: Core i3- 7th Generation 130U

- RAM: 8GB DDR4
 - HDD: 256GB SSD
- **upGrad Media Server**
 - Specifically designed for reliable storage and fast access
 - Intel six-core i5. 9400
 - MBD: Intel b365 chipset Motherboard
 - RAM: 8 GB 2400 GHz heatsink ram
 - 8/12 TB Storage (2 x 4TB @ 7200 RPM)
 - Customized File system for distributed file access
 - Can store over 8,000 hours of upGrad Campus-captured video
 - Chassis: 2U Rack
 - PSU: Server class
 - 2GB graphic
- All required cables and connectors (Neutrik connectors and Italian cables)
- Wi-Fi enablement for the classrooms for content distribution

Services

- Installation and testing of recording infrastructure for each individual classroom, including:
 - Processors/Servers and storage solution
 - High-Definition Video Cameras
 - Audio Recording Devices
- System configuration for automatic recording, processing, encryption and distribution of lectures on a daily basis
- Training of upGrad Campus Administrator(s) and Faculty
- On-going guidance for maximizing solution value through student and faculty adoption
- Live Customer Support for Administrators, Faculty and Staff during regular business hours (8am to 8pm Monday through Saturday, India Time)

About upGrad Campus

upGrad Campus (previously operating under the name 'Impartus') provides innovative video-enabled learning solutions that drive better outcomes for the higher education sector. Founded in 2013 by a passionate group of IIT and IIM alumni, upGrad Campus has the necessary expertise and infrastructure to provide global support. upGrad Campus is now a division of upGrad, South Asia's largest higher Edtech company. With the latest technology, the upGrad Campus product suite offers easy, seamless integration to help educators extend learning experiences outside of the classroom and provide relevant content to a diverse body of students around the world.

Commercial Terms & Conditions

Pricing

Special pricing for RVIMS for 03 upGrad Campus Lecture Capture Classrooms				
Sl.No	Item	Unit Price Per Classroom**	Unit	Total in INR**
1	upGrad Campus Lecture Capture Classroom	3,53,000	3	10,59,000

** Taxes are exclusive

General Terms

- Both upGrad Campus and RVIMS will maintain strict confidentiality about transaction terms, content, and technical know-how.
- Pricing is guaranteed for 3 years.
- RVIMS will be responsible for the physical safety of the infrastructure.
- RVIMS will be responsible for providing an uninterrupted power supply and networking the classrooms.
- RVIMS to specify the classrooms where the system is to be installed. Installation is fixed in the designated locations and cannot be relocated.
- This offer is valid until **30th June 2024**.

Payment Terms

- RVIMS to release 50 % (5,29,500) along with PO
- RVIMS to release 50 % (5,29,500) on hardware delivery
- All prices are exclusive of Taxes

**** Installation and testing could be completed within 25 working days from the date PO and advance payment**

The RVIMS can make the advance payment to upGrad Campus in the following account:

upGrad Education Pvt. Ltd.

Bank Name: ICICI Bank
Account Number:
03205006326 Account Type:
Current
IFSC Code: ICIC0000323
Branch: Lower Parel-
Mumbai GST:
29AAECD4879M2ZU

*Rates are verified & approved
Submitted for your
approval please
Sanjeev
20/07/2024*

Implementation & Timeline

The implementation of an upGrad Campus Hybrid Classroom Solution consists of three tracks:

1. Installation
2. Configuration & Testing
3. Training

A 10-classroom project can take as little as four weeks to complete, depending upon the availability of identified classrooms and facilities / IT resources, not including any integration work.

Upon receipt of the signed Commercial Terms and a PO, upGrad Campus will schedule a kick-off call to ensure alignment on project objectives and collaborate on critical milestone dates.

A typical project timeline:

Track	Start	Week 1	Week 2	Week 3	Week 4	Week 5
<i>Kick-off & SOW</i>	✓					
<i>Installation</i>						
<i>Configuration</i>						
<i>Training</i>						
<i>Student Launch</i>						✓

Installation

The installation track consists of several tasks to ensure the correct equipment is specified for an optimum environment:

- upGrad Campus will conduct a site survey to gather all necessary information needed to specify the optimum hardware.
- Upon receipt of equipment, upGrad Campus will deliver to a temporary secure storage location at RVIMS and, coordinating with the assigned facilities resources, will conduct the physical installation.

Configuration & Testing

As the installation progresses, upGrad Campus will configure and test the software to support the classroom and schedule requirements. This process includes testing for video and audio quality for each individual classroom and will require RVIMS of Applied Science's final review and approval.

Any LMS integration work will be included in this track and will likely impact the timeline.

Training

Communication Program

As part of the training track, but separate from software training, upGrad Campus will work with a designated communication resource to design a communication plan to ensure effective initial and ongoing awareness for both students and faculty. This is typically a 1:1 hour-long remote brainstorm session using our Communication Program Guideline as a reference.

End-User training consists of two separate live training sessions for the upGrad Administrator(s) and all applicable faculty members. Topics covered include:

Administrator(s)

- Overview of the student environment
- Admin Console functionality
 - Dashboard
 - User administration
 - Reporting
 - Classroom timetables

Faculty

- Microphone/classroom best practices (for optimum recording)
- Student /Faculty application introduction
 - Video Editing and publishing
 - Other features

On-Going Engagement

Client Engagement Manager: (CEM)

Once the implementation has been completed, a designated upGrad Campus CEM will meet with RVIMS on a regular basis to review solutions and best practices adoption.

Support

upGrad Campus provides support during regular business hours by phone and email.

RVIMS Responsibilities

Pre-Implementation

Before physically starting the project, RVIMS will need to provide upGrad Campus with the following details:

- A single point of contact for the Implementation Project
- Classroom, server room, and temporary secure storage room locations

In addition, network cabling (Cat 6 Ethernet cable) with a dedicated port will need to be provided in each designated classroom.

Implementation

Facilities

During the implementation, RVIMS will need to provide:

- A single point of contact for the overall supervision of the project.
- Facilities resources to access classrooms, server room, and temporary secure storage room.

Communication

In order to build an effective ongoing awareness and communication plan for students and faculty, a designated "communication" contact will be required. As part of the communication program, valid student emails will need to be gathered.

End-User Training

For training, RVIMS will need to identify the following resources:

- System Administrator(s)
- Heads of Department (HODs) and designated Faculty Members Post-Implementation

Once the system is in operation, RVIMS will be responsible for the following core tasks:

- Managing student and video access
- Managing classroom schedules (when classes are canceled or rescheduled)
- Producing regular reports on usage
- Supervising connectivity (classrooms to server room)

Administrative tasks can take between 2-4 hours per week based on a 10-classroom environment. This may vary depending upon scheduling consistency and stability of the technical environment.

Customer Acceptance

By signing below, you are confirming your understanding and acceptance of the upGrad Campus Commercial Terms.

Signature

Date

Name

Title

Institution

Commercial Terms & Conditions

Pricing

Special pricing for RVIMS for 04 upGrad Campus Lecture Capture Classrooms				
SLNo	Item	Unit Price Per Classroom**	Unit	Total in INR**
1	upGrad Campus Lecture Capture Classroom	3,53,000	4	14,12,000

** Taxes are exclusive

General Terms

- Both upGrad Campus and RVIMS will maintain strict confidentiality about transaction terms, content, and technical know-how.
- Pricing is guaranteed for 3 years.
- RVIMS will be responsible for the physical safety of the infrastructure.
- RVIMS will be responsible for providing an uninterrupted power supply and networking the classrooms.
- RVIMS to specify the classrooms where the system is to be installed. Installation is fixed in the designated locations and cannot be relocated.
- This offer is valid until 28th Apr 2023.

Sanjay
20/07/2024

Payment Terms

- RVIMS to release 50 % (7,6,000) along with PO
- RVIMS to release 50 % (7,6,000) on hardware delivery
- All prices are exclusive of Taxes

** Installation and testing could be completed within 25 working days from the date PO and advance payment

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Mumbai GST:

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Affiliated to Bengaluru
City University

Approved by AICTE.
NAAC 'A+' Accredited



Ref.No : 091/RVIM/MBA/2023-2024

From

N.Nagasubba Reddy,
Asst.Professor, Department of IT and BA,
R.V.Institute of Management,
Bangalore-41.

Date: 31.05.2023

To

The Director,
R.V.Institute of Management,
Bangalore-41.

Respected Sir,

Sub: Request for the purchase of upGrad Campus - Lecture Capture Systems for class rooms – 04 No's

With reference to the above, I would like to bring to your notice that, On 19th March, 2021 we had purchased upGrad Campus Lecture Capture Systems – 02 software for 2 classrooms which has been connected for 2nd year classrooms 310 and 311 at 3rd Floor respectively. Now we are in need of upGrad Campus - Lecture Capture Systems for class rooms – 04 No's. One for 2nd year class room no.312 and 1st year class rooms 208,209 and 210 respectively at 2nd Floor. Lecture Capture System that enables automatic audio-video recording and distribution of classroom lectures stored on the cloud, so that students can access them anytime, from anywhere, on any device. The cost for the same is Rs.14,12,000.00 +GST (Fourteen Lakh Twelve Thousand Only) for 3 years.

Please find the enclosed quotation of upGrad Campus - Lecture Capture Systems– 04 No's, recent purchase order copies of previously purchased for RVIM and for R V Institute Technology and Management from upGrad Educations Pvt.Ltd for your kind perusal. In this context, I request your good self to look into the matter and do the needful.

Thanking you,

Yours faithfully,

Submitted to
The Hon.Secretary, RSST

For kind consideration and approval
With respects,

Dr.Purushottam Bung
Professor and Director

CA-17, 36th Cross, 26th Main, 4th T Block
Jayanagar Bangalore - 560041

Tel: 080 - 4254 0300
2654 7048

e-mail : contact.rvim@rvim.edu.in
Website : www.rvim.edu.in

Go, change the world

- Perused the proposal from RUIM for installing lecture capture system by upload camera.
- The letter quoted give the name as RUIM and their P.O dt: 02/12/22 is enclosed.
- We may approve their quote as given below:

Rate/charge for 3 yrs: ₹ 3,53,000/-
(hardware & software)

Cost of 4 channels: ₹ 14,12,000/-

18% GST: ₹ 2,54,160/-

Total: ₹ 16,66,160/-

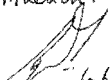
- Submitted for approval please.

Har. Secretary

D. R. S. S.


01/06/22

Director/RUIM: for SAP-MMA action.


02/06

1303

2.6.23