



## **Central University of Punjab**

**Notice inviting “Expression of Interest for Web based ERP/  
University Management System (UMS)”  
at Central University of Punjab**

**Dated: 23.12.2016**

**The Registrar  
Central University of Punjab  
City Campus, Mansa Road,  
Bathinda, Punjab-151001**

**CENTRAL  
UNIVERSITY  
OF PUNJAB**



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## 1 About CUPB:

The Central University of Punjab, Bathinda (CUPB) was established in 2009 along with 12 other Central Universities by an Act of Parliament (No 25, of 2009). The university started in a three-room Camp Office provided by the state administration in March 2009. Making a modest but speedy start, the university accepted on rent, a dilapidated campus of 37 acres of an abandoned co-operative spinning mill on Mansa Road, Bathinda. The permanent campus is coming up at Village Ghudda, about 26 kms. away from City Bathinda. CUPB has 19 Centres spread over 9 Schools in areas ranging from Sciences, Technology, Humanities, Laws and Social Sciences. We have world class faculty, high teacher-student ratio, baskets full of elective courses in different programmes. The University offers Choice Based Credit System(CBCS) with continuous total internal evaluation of students' performance. We have conducive and research oriented environment with multidisciplinary approach, innovative pedagogies supported by modest infrastructural facilities and effective students' support system to nurture the students' personality holistically and to prepare them for future. A number of students have qualified JRF/NET, GATE, GRE, are placed in industry and institutes of international repute, and have also won accolades in various fields.

## Courses Offered

Central University of Punjab is offering Post-Graduate Programmes M.Sc in Bioinformatics, Biotechnology, Life Science, Environmental Science, Computer Science, Statistics, Mathematics, and M.A. in Hindi, English, Political Science & International Relations, Economics, Development Studies, Sociology, Communication and Media Studies, Psychology, L.L.M. M.Tech.(Computer Science).

Programme	No. of Courses	In take in 2016	Approx. students currently in CUPB
All PG & Ph.D Programmes	33	585	966

Central University of Punjab invites "Expression of Interest (EoI)" from leading, reputed, professionally & financially sound and duly registered companies/agencies/organisations (preferably Government/State Organisation or Central/State PSU's or Reputed IT Companies) which have the required experience in relevant and similar execution for Development, Supply, Implementation, and Maintenance of complete University Management solutions in the University.

## 2. Procedure for submission of EoI

Vendors, willing to submit EoI, may download full document of EoI containing details of Scope of Work and the desired prerequisites by visiting university website [http://www.cup.ac.in/index\\_home.php](http://www.cup.ac.in/index_home.php). Any amendment/update to the EoI or its Terms & Conditions will be uploaded on official website of the University. The EoI must be submitted in the prescribed format along with all supporting documents in compliance with the requirements of EoI. The companies/firms/organizations will be shortlisted after detailed presentations by them before the designated Committee. The date of presentation shall be **19<sup>th</sup> January 2017 (10.30 am onwards)**.

Request for Proposal (RFP) including Technical & Financial Bid shall only be issued to those firms, which would be declared qualified and shortlisted only after evaluation of their EoI and subsequent presentation before the designated committee.

EoI may be sent in triplicate in a sealed envelope duly superscribed. "Expression of Interest for

“Development, Supply, Implementation and Maintenance of University Management Software System in Central University of Punjab” either by registered post or speed post addressed to the **Registrar, Central University of Punjab, City Campus, Mansa Road, Bathinda, Punjab-151001**. The university reserves the right to accept or reject any or all the EoIs at any stage of the process or any of the terms without assigning any reason. No correspondence in this regard shall be entertained. The Closing date for receiving EoI is **12<sup>th</sup> January 2017 (04.00 pm)** and same shall be opened on **14<sup>th</sup> January 2017 (11.00 am)**.

<b>Document Name</b>	<b>Notice inviting “Expression of Interest for Web based ERP/University Management System (UMS)” at CUPB.</b>
<b>Document Reference Number</b>	CUPB/ESTAB/16/005
<b>Date of issue of EoI notice</b>	23-12-2016
<b>Last date for receiving queries</b>	10-01-2017 (04.00 pm)
<b>Last date for submission of EoI Response</b>	12-01-2017 (04.00 pm)
<b>Opening of EoI Notice</b>	14-01-2017 (11.00 am)
<b>Date of responder(s) Presentation. Potential responders should make sure that they qualify all criteria as per EoI as only representatives of eligible companies will be allowed to attend the conference</b>	19-01-2017 (10.30 am)
<b>Cost of EoI</b>	Downloadable from CUPB website : Free

Note: The parties must submit the response both in hard copy and two soft copies on CD/ Pen-drive in sealed envelope through registered post or speed post addressed to **The Registrar, Central University of Punjab, City Campus, Mansa Road, Bathinda, Punjab-151001** so as to reach us on or before the mentioned date and time of submission.

The envelope containing the EoI Response should be superscribed with the title **“Expression of Interest for Web based ERP/University Management System (UMS)”**.

**Venue for Presentation:**

**Conference Room, Central University of Punjab, City Campus,  
Mansa Road, Bathinda, Punjab-151001**

### 3. BROAD SCOPE OF WORK

1. V.C's Secretariat Mgt. System
2. Admission Management System (Central University Combined Entrance Test-CUCET.)
3. Examination Management System and its Linking with National Academic Depository
4. Student Life Cycle Management
5. Choice Based Credit System
6. Finance, Accounting and Auditing Management System
7. Budget Management System
8. Departmental Activities Mgt. System
9. Off Site Campuses Mgt. System
10. Planning, Development and Project
11. Purchase and Inventory Management
12. HR and Establishment/Recruitment (Teaching/Non-Teaching)
13. File Tracking and Document Management
14. Legal Cases and RTI Management
15. Hostel Management System
16. Course and Curricula Management
17. Research and Scholar Tracking System
18. Attendance Monitoring System (Student+ Employee-Teaching/Non-Teaching)
19. Students Welfare Management System
20. Alumni Management System
21. Information Management System
22. Sports Board Management System/ Cultural Committee
23. Assets (Movable and Immovable) Management System
24. Library Administration System
25. Academic Management System (Office of DAA etc.)
26. Office Management System (Pro-Vice-Chancellor/Dean/Proctor/DSW/Head etc.)
27. University Works Department (UWD), Electric and Water Supply (EWS) and Sanitary & Support Services (SSS) Management System,
28. Guest House Management System
29. Online hosting of Lectures/ Seminars/ Teaching/ Learning materials
30. Residential Accommodation Management
31. Website and web portal
32. Quality Management System/NAAC/NIRF/IQAC
33. Transport Management
34. Functioning of Specific Cells (Sexual Harassment Cell/ST-ST Cell/ GRC etc.)
35. Smart Card for the Employees and students
36. Any other function of the University not covered above.

Tentative scope of work is attached at **Annexure-D**

## **4. Guiding Principles**

Being an institution, CUPB has created and adopted best practices across its organizational operations. It expects from all its partners to follow the same. In view of this, CUPB has framed the following guiding principles to be adhered to by interested participants. The best practices may be more than what are specified below:

- The proposed solution must be based on Service Oriented Architecture (SOA) principles and must adhere to a SOA based integration model across various applications of the IT portfolio.
- The proposed solution should be an Integrated, Scalable, Modular User-friendly and Highly Available.
- The proposed solution must implement a multi-level security across various tiers and software layers of the IT platform.
- Best practices from the industry must be implemented across the tiers and layers of the proposed solution and across various phases of the software development life cycle.

### **4.1 Software Support and Maintenance Practices**

Software support and maintenance for a period of five years post go-live of the software platform is mandatory and part of the scope of work of the proposed program. The selected bidder must ensure that the technology / platform of the proposed software (application and system included) be of the latest version as published by the OEM (where applicable) and made available at no extra cost to the University.

### **4.2 Software Licensing**

The University would require various software licenses (OEM or otherwise) to be made available for use enterprise wide and not be restricted to the number of users, devices or membership. The University would prefer a CPU/core based licensing that it could use to scale further while not being constrained with the number of users or devices.

### **4.3 Setup and Commissioning**

Installation, Setup and Commissioning of the system to host the software servers along with the portfolio applications will be part of the scope of work. Ensure that all non-functional requirements are catered to and will be part of the design and the proposed solution. The server infrastructure and connectivity requirements along with the data center details will be provided by CUPB to the selected bidder for configuration.

### **4.4 Documentation**

Providing all design, documents, user and operational manual in hard and soft copy form.

### **4.5 Integration**

Some of the software systems are running in the university for its smooth functioning for example Online End-Term MCQ based examination system and Library System. University want to integrate these systems with proposed solution.

### **4.6 Security and Vulnerability**

Solution provided must be secure and free from any type of Vulnerabilities and Attacks. Regular up-gradation in view of Security and Vulnerability is required.

## 5. Eligibility Criteria/Prequalification

The bidder must possess the requisite experience, strength and capabilities for providing the services necessary to meet the requirements, as described in the EoI document. The bidder must also possess the technical know-how and the financial wherewithal that would be required to successfully provide the IT applications, systems and support services sought by CUPB. The bids must be complete in all respect and should cover the entire scope of work as stipulated in the EoI document. The invitation to bid is open to all bidders who qualify the eligibility criteria as given below. Eligibility criteria are mandatory and any deviation in the same will attract bid disqualification.

S.No.	Criteria	Document to be provided
1.	The bidder should be a company registered under the Companies Act, 1956.	Certificate of Incorporation.
2.	The bidder must have successfully implemented at least three similar University Management System in University/Govt. institute of repute having at least 5000 student's registration.	Documentary proof from earlier institute/university where the project was completed. List of successfully completed projects indicating cost, customer name & address. The proof should be applicable to the responder only and not for its sister concern or subsidiary or parent company.
3.	Bidder must have ISO 9001:2000 and ISO-27001 or other such certification.	Valid Copy of Certificate
4.	The bidder or each member in case of a consortium should have positive net worth and an annual turnover of more than INR 10 Crore or above for the last three Financial Years.	Practicing Chartered Accountant Certificate for Net worth and Copy of the audited balance sheet of the company for last 03 years.
5.	The Bidder should not be under a Declaration of Ineligibility or black listed with any of the Government/ Public sector unit Agencies	Self-Declaration from Authorized Signatory of the Bidder
6.	The responder shall be the single point of contact for CUPB and shall be solely responsible for all the warranties, upgrades and guarantees etc. Offered by the OEM etc. An undertaking to this effect should be submitted	Self-certification
7.	Having minimum manpower strength of 100	List of employees
8.	Having at least 06 years' experience of handling big project of software development & implementation	Substantiating documents
9.	Having Set-up/ Office in ?.....	Address
10.	Able to provide total integration & solution	Self-certification
11.	Agreeable to sign Service Level Agreement (SLA) documents	Draft undertaking

## 6. EoI Submission

The bidder must submit a Demand Draft (DD) for the value of INR 1500/- (Rupees One Thousand Five Hundred Only) along with the EoI Response. The DD should be in favour of "Central University of Punjab" payable at Bathinda. This is a non-refundable amount.

## 7. Bid Evaluation process

All responses including the proposed solution(s) received by CUPB shall be evaluated by an Evaluation Committee duly constituted by CUPB, on the basis of eligibility criteria mentioned in this document. The responders will present the solution before the Committee on **19/01/2017 from 10.30 am onwards**. Only the eligible bidders will be informed of their selection and RFP will be issued to them.

CUPB shall be at liberty to reject any response received from any company or consortium for the Expression of Interest in reply of notice inviting Expression of Interest dated **23/12/2016**.

**Registrar  
CUPB**

### Annexure-A

## 8. Annexure

### 8.1. Annexure A- Checklist for response submission

The following check-list must be filled in and submitted with the response

Description	Response	If yes, mention page no.
Have you provided the EoI Response containing the details mentioned in the document?	Yes/No	
Have you provided the documentation proof of being a ISO 27001 certified organization?	Yes/No	
Have you submitted the undertaking pertaining to the single point of contact?	Yes/No	
Have you attached documents pertaining to similar experience?	Yes/No	
Have you attached the documents pertaining to 6 years of company's incorporation?	Yes/No	
Have you attached audited balance sheets for last three years	Yes/No	
Have you submitted the DD for INR 1,500/- in favour of Registrar, CUPB toward EoI submission?	Yes/No	



## 9. EoI response form

To be submitted with EoI response

Note: Details filled in this form must be accompanied by sufficient documentary evidence, in order to verify the authenticity and correctness of the information.

S. No.	Description	Details (To be filled in by the responder to the EoI)
1.	Name of the Company	
2.	Official address	
3.	Phone No. and Fax No.	
4.	Corporate Headquarters Address	
5.	Phone No. and Fax No.	
6.	E-Mail address of contact person	
7.	Web Site Address	
8.	Details of Company's Registration (Please enclose attested copies)	
9.	Name of Registration Authority	
10.	Registration Number and Year of Registration	
11.	Product/ Service For which Registered with validity period	
12.	CST/ LST/ VAT registration No.	
13.	Service Tax Registration No.	
14.	Permanent Account Number (PAN)	
15.	Whether the company complies with the Requirement under the Contract Labour (Regulation and Abolition) Act	
16.	Name of Bankers along with Branch (as appearing in MICR Cheque) & Account	
17.	Name of the Authorized Signatory, who is authorized to respond to the EoI	
18.	Others documents provided	

## 10 Annexure B

The following notes offer guidance to proposing responder in the form of a model outline for their response document. All the headings indicated below must be addressed in the sequence shown, providing as much relevant detail as possible. (Conformance to this outline will assist the subsequent evaluation and selection activities, and any variations should be documented).

Additional headings and information may be provided by the proposing responder where they are required to include additional details or explanations.

Description of the proposing responder:

- I. Specifically include legal status, ownership, and the name of the person within the company who is responsible for this project.
- II. The proposing responder's general understanding of the project requirements and the proposed total solution.
- III. The main features of the proposed solution and any areas of financial, operational, development risks that are perceived.
- IV. Upgrade and technology refresh strategy for the proposed software platform.
- V. Describe the strategy suggested for future upgrade of the supplied equipment and / or products and any impact this strategy may have on operation etc.
- VI. Scope of work compliance as per the document

## 11. Annexure C

### UNDERTAKING

**(To be submitted by the responder on the responder's letter head)**

I/We hereby undertake that I/We have studied and understood the Expression of Interest document completely.

I/We hereby undertake that I/We understand that the Section Scope of Work and Requirement of this Eol is indicative only and not exhaustive in any manner and that the final scope of work and technical specification will be decided by CUPB at their discretion.

I/We hereby undertake that I/We understand that the CUPB reserves the right to finalize the scope of work and requirements at its discretion, which may be based on my/or proposed solution and/or any other responder's proposed solution and/or as decided by the CUPB. I/We hereby declare that I/We shall not be having any claim and/or right for the said usage. I/We hereby undertake to provide the requisite OEM authorization as and when required and/or asked for by CUPB, as per the solution and/or requirements, as decided by CUPB at their discretion.

I/We hereby undertake that I/We hereby undertake that I/We understand that the CUPB reserves the right to float a separate tender for the scope of work and requirements as mentioned above of this Eol irrespective of the outcome of this Eol. I/We understand that in such a case I/We shall bid separately for that tender and in no case our response to this Eol shall be deemed as a bid for the said tender.

I/We hereby undertake that the CUPB reserves the right to short list responder(s) for further tendering of this Eol and in case of my/our response being rejected I/We shall have no claim of any short in the further tendering process. Further CUPB shall be at liberty to allow any company to respond in the tender process at the stage for "Request for Proposal" irrespective of the fact that the company allowed has participated in the Eol or not and I/We shall have no claim of any sort on such process.

I/We hereby undertake that we shall comply with the scope of work and requirements and there are no deviations of any manner in this regard from my/our side.

I/We hereby undertake that in case my/our response to this Eol is short listed I/We agree to bid for the further tender as and when asked for by CUPB based on the terms and conditions and technical specifications and scope of work as finalized and decided by the CUPB at their discretion.

I/We undertake to be the single point of contact for CUPB and shall be solely responsible for all warranties, upgrades, and guarantees etc. offered by the OEM, and system integration and facilities management and for the entire scope of work and requirements as per the service levels defined in the subsequent tender document.

I/ We here by affirm that our response is valid for a period of 180 days from the date of Eol submission.

## 12. ANNEXURE-D Tentative Scope of Work

S. No.	Modules	Sub Modules	Features
1.	<b>Counselling &amp; Student Master Data Creation</b>	<b>Counselling</b>	➤ Pre-Admission Enquiry
			➤ Student Application Data (On Line/Off Line)
			➤ Student Counselling Based on Rank
			Verification of Admission Criteria
			➤ Application of Programme/Batch based on the choices given by the student
			➤ Hostel Allocation
			➤ Up gradation of student in case of vacancy in the higher branch
			➤ On-line seat status display
			➤ Integrated Fees Collection
		<b>Student Master Data Creation</b>	➤ Admission letter generation with student's photograph
			➤ Up-gradation/Import of Short listed student data into database along with
			➤ Branch Awarded
			➤ Personal Details
			➤ Qualification
			➤ Category (General/SC/ST Etc).
			➤ Student Master Data
			➤ Hostel Management
			➤ Room and Exam Centre Management
			➤ Formation of Programs/Branch/Section/Sub-Section
➤ Enrolment Number Generation			
➤ Pre-Registration/Registration			
➤ Core Subject Allocation			
2.	<b>Student Information System</b>	<b>SIS – Student Database Management</b>	➤ Department wise Elective/free Elective Offering.
			➤ Elective/free elective choice collection from student.
			➤ Faculty Subject Choice with rooms, day & time preference.
			➤ Teacher Load Distribution.
			➤ Registration Slip Printing.
			➤ Add/Drop Regular/Back Paper Subject
			➤ Student Attendance.
			➤ Time Table Generation.
			➤ Student In or Out Details
			➤ Student Disciplinary Records.
			➤ Student Module: Student data upload for UG/PG/Ph.D programmes Merit preparation module for UG/PG/PhD admissions
			➤ Student name-photograph & profile reading through OCR/online Qualification, address, local and Student Roll number generation
			➤ Course Registration Address change / Duplicate I-Card request, generate Name / Data / Branch change/correct request maintenance Course completion/Bonafide/Character
			➤ Request create and maintain Scholarship management - type, source, target, duration Scholarship start date / end date amount
			➤ Linkage of scholarship with fee Student statistics Girls/Boys/ Category Ratio etc.
			➤ Student address label for sending letters to parents

			<ul style="list-style-type: none"> <li>➤ Student feedback management</li> <li>➤ Student misbehaviour / Ragging records / Corrective action Email / SMS notification of misbehaviour /achievements / General Information Maintain all type of records of student for their performance whether it</li> <li>➤ Alumni module View and edit current profile and the name of the organization where he/she is working</li> <li>➤ View current standing and degree information</li> <li>➤ View archived data from previous years Forums and discussions with teachers and current students</li> <li>➤ Alerts and emails regarding events, functions and placement Data visualization &amp; statistics of past students</li> </ul>
<b>3.</b>	<b>Student Fees Management</b>	<b>Fees Management</b>	<ul style="list-style-type: none"> <li>➤ Dynamic Fees Heads</li> <li>➤ Multiple Currency Supports</li> <li>➤ Fees Structure.</li> <li>➤ Academic wise / Program Wise Fees</li> <li>➤ Individual Fees Structure and also Quota Wise.</li> <li>➤ Fees Waiver or Fees Discount</li> <li>➤ Special Approval in case of Delay in Payment</li> <li>➤ Fees Collection.</li> <li>➤ Cash</li> <li>➤ Bank /Cheque/Draft/ECS.</li> <li>➤ Online Payment Gateway</li> <li>➤ Fine Collection.</li> <li>➤ Fees Refund or Fees Settlement.</li> <li>➤ Payment List or Due List.</li> <li>➤ Student Fees transfer.</li> <li>➤ Various MIS related Reports.</li> <li>➤ Integration with Finance Module.</li> </ul>
<b>4.</b>	<b>Examination Modules</b>	<b>Examination.</b>	<ul style="list-style-type: none"> <li>➤ Question Paper Setting</li> <li>➤ Date Sheet Generation.</li> <li>➤ Setting Plan</li> <li>➤ Invigilation Duty with Faculty load distribution/No duty request/Time Preference.</li> <li>➤ Attendance / Absentee list generation</li> <li>➤ Marks Entry System by faculty Member with approval from HOD</li> <li>➤ Result Entry System and Processing</li> <li>➤ Percentile</li> <li>➤ Grading System</li> <li>➤ CGPA or SGPA</li> <li>➤ Tabulation of Grade Sheet.</li> <li>➤ Printing of Grade Sheet ,Marks Sheets, Transcript and Various MIS reports.</li> <li>➤ Published of Results in the Web Kiosk after approval.</li> <li>➤ Faculty can enter internal and external marks of allotted subjects as coordinator/teacher coordinator/teacher</li> <li>➤ Faculty can enter internal/external marks of back papers as allocated Editing of marks can be done before locking Print and Save option to become active only upon locking Backlog record of each student to be maintained Branch-wise/Semester-wise result generation</li> <li>➤ Facility for conducting online and written sub</li> </ul>

			<p>module may System should generate DMC/CGPA/SGPA records of individual student and statistical reports of overall results semester wise, branch wise, batch wise, year in spread sheet, and graphical form Student can fill form to appear in a particular or all subjects</p> <ul style="list-style-type: none"> <li>➤ Faculty/student/parent can view result/placement details of the students if given authority by the management Examination related information – date sheet, change in exam date, result declaration through e-notice, email, SMS channels System to generate topper details, scholarship holder records, gold medal list details , best project</li> </ul>
5.	<b>Student Feedback</b>	<b>Feedback / Reaction Survey</b>	<ul style="list-style-type: none"> <li>➤ Event declaration with IP based Security</li> <li>➤ Type / sub type question preparation with weight age filtration of abusive words</li> <li>➤ Feedback collection through web kiosk with approval processing, publishing &amp; analysis of MIS(Optional)</li> </ul>
6.	<b>Training &amp; Placement</b>	<b>Training Placement</b>	<ul style="list-style-type: none"> <li>➤ Student academic data to be obtained from database Student to enter other data like class x, xii, training details, projects done</li> <li>➤ Student can register and select companies online</li> <li>➤ Placement calendar</li> <li>➤ Maintaining corporate recruitment</li> <li>➤ Managing various placement events</li> <li>➤ Checking selection criteria</li> <li>➤ Web enrolment for placement event</li> <li>➤ Maintain Campus requirement</li> </ul>
7.	<b>Alumni</b>	<b>Alumni</b>	<ul style="list-style-type: none"> <li>➤ Maintaining the alumni database- contact details work details</li> <li>➤ Mailing facility - institute to alumni , alumni to alumni secured web access (approval based)</li> <li>➤ Graffiti wall - Alumni Forum</li> <li>➤ News event</li> <li>➤ Search engine(Optional) &amp; Online Registration</li> </ul>
8.	<b>Student &amp; Employee portal</b>	<b>Student Employee</b>	<ul style="list-style-type: none"> <li>➤ Personal Information-view/edit</li> <li>➤ Academic information</li> <li>➤ Pre- registration/registration-record subject choice</li> <li>➤ Class time table</li> <li>➤ Class attendance</li> <li>➤ Class test / mid semester test marks details</li> <li>➤ Exam date sheet with seating plan</li> <li>➤ Marks obtain CGPA/SGPA details</li> <li>➤ Disciplinary records</li> <li>➤ Fees details which include</li> <li>➤ Fees/fine payment , dues details</li> <li>➤ Debit / credit advice</li> <li>➤ Personal information</li> <li>➤ Contact information view/edit</li> <li>➤ Leave and salary records</li> <li>➤ Debit./credit advice</li> <li>➤ Income tax declaration and deduction</li> <li>➤ Work flow for ( leave/LTA/medical/advance/no dues</li> <li>➤ Subject/room/day/time preference for time table</li> <li>➤ Time Table entire (employee wise)</li> <li>➤ Day/time preference/no dues request for invigilator Duty</li> </ul>

			<ul style="list-style-type: none"> <li>➤ Employee wise data sheet/invigilator duty</li> <li>➤ View seating plan</li> <li>➤ Marks entry of class test/mid semester test</li> <li>➤ Grade calculation</li> <li>➤ Booking/cancellation of room for special activity/extra class</li> <li>➤ View result of student recreation survey (Self)</li> <li>➤ Administration user option</li> <li>➤ Student information</li> <li>➤ Employee information</li> <li>➤ Security information</li> </ul>
9.	HRMS	HRM & Payroll	<ul style="list-style-type: none"> <li>➤ Recruitment –Teaching/Non-Teaching Online</li> <li>➤ Online job Application</li> <li>➤ Archiving of all employee data</li> <li>➤ Employee Database.</li> <li>➤ Personal Information</li> <li>➤ Professional Membership Information</li> <li>➤ Dependent Details</li> <li>➤ List Journals/Publications/Conference/Seminar etc.</li> <li>➤ Salary/Perks/reimbursement Details</li> <li>➤ Promotion /Increment</li> <li>➤ Visiting Professor or Guest Faculty Details</li> <li>➤ Leave Management</li> <li>➤ Salary Computation and generation of salary bills and pay slip</li> <li>➤ Arrear Calculation and Generation of Arrear reports.</li> <li>➤ Generation of TDS and income Tax Statement</li> <li>➤ Advance/Loan Payment/recovery</li> <li>➤ Income Tax Calculation.</li> <li>➤ Setup, add, edit, update detailed employee information Employee I-Card generation</li> <li>➤ LTC Management Personal file management along qualifications/achievements as acquired from time-to-time</li> <li>➤ House allotment management including record</li> <li>➤ Keeping Handling estate maintenance related complaints</li> <li>➤ Notices / Circulars management - information dissemination through email and SMS channel to different levels of employees according to requirement To All or in Group Password protected view, save and print by each employee his/her salary statement Present &amp; Past leave balance, loan history, loan status, pension, CPF and all other allowances / deductions status.</li> <li>➤ Employee can view the APAR as per decisions of administration</li> <li>➤ View of Government orders / Circulars as received/made by GA section CPDA utilization status advance</li> <li>➤ Time Table Administrative duties assigned</li> <li>➤ Activities organized Seminar, Conference Workshop attended</li> <li>➤ Publications Research Project, Consultancy</li> <li>➤ File management/letter movement and its tracking system by the employee/faculty</li> <li>➤ Trace/tracking of reimbursements/indents and advances by employee/faculty to facilitate</li> </ul>

			purchase/different activities for institutional /department /research.
			➤ On line purchasing procedure particularly approval and submission of quotations
			➤ Management Personal file management along with qualifications/achievements as acquired from time-to-time
<b>10</b>	➤ <b>E-processing &amp; Digital Approval</b>		
<b>11.</b>	RTI/Court Case monitoring system		<ul style="list-style-type: none"> <li>➤ RTI/case registration like case no, year, individual/department name, legal notice receipt etc.</li> <li>➤ Pending cases of all department pertaining to various courts (CAT/lower court/high court/ Supreme Court)</li> <li>➤ Disposed cases of all department pertaining to various courts (CAT/ lower court/ high court/ Supreme Court) Individual/department wise case history</li> <li>➤ Alert for next hearing</li> <li>➤ Queries using date of hearing</li> <li>➤ View/print of case existing / historical</li> <li>➤ Reports on pending cases as on date- category wise/department</li> <li>➤ Information regarding dealing branch and officials</li> </ul>
<b>12.</b>	<b>Financial Accounting System</b>		<ul style="list-style-type: none"> <li>➤ Chart of Accounts</li> <li>➤ Financial Statement Groupings / Grouping of Chart of Accounts, Budget Allocation as on date Expenditure Statement, Unspent balance details</li> <li>➤ Dynamic Sub Ledger</li> <li>➤ Cheque Book Management including priority of cheques</li> <li>➤ User Defined Voucher Numbering Patterns</li> <li>➤ Voucher configuration for designing vouchers</li> <li>➤ Cash Receipts and Payments</li> <li>➤ Bank Receipts and Payments with Inter Bank Transaction option</li> <li>➤ Journal Voucher</li> <li>➤ Purchase Journal</li> <li>➤ Subcontractor Journal (Optional)</li> <li>➤ Dr./Cr. Note Voucher's, Book's, Ledger's, Trial Balances,</li> <li>➤ Bank Reconciliation</li> <li>➤ Ledger / Sub Ledger Credit Limit check</li> <li>➤ Budget Preparation on the basis of previous year expenditure with % increase and new services</li> <li>➤ TDS Deducted v/s Deposited</li> <li>➤ Bill Passing with Age Report(Optional)</li> <li>➤ Automated year end entry passing (Optional)</li> <li>➤ Various MIS Reports</li> <li>➤ Project / Grant Management.</li> <li>➤ Payroll Management Finance Rules to be implemented as per latest GFR Finance period creation and maintenance</li> <li>➤ Investments by Institute in Term Deposits Generation of all kinds of reports required by the section including CAG Statutory requirements like</li> </ul>

			TDS for goods and services
			➤ Transfer of money to respective project heads /departments/indentors Consultancy Work
			➤ Payment received and distribution employees Number of pay scales – Grade Pay wise/designation wise / employee wise salary structure Quarter accommodation deduction of license fee
			➤ Conveyance Allowance Processing of salary according to defined days of a month on which employee salary is claimed for preparation of salary of the employee
			➤ Facility of full attendance transfer to mark present for entire month initially and update leaves / make employee absent later to reduce data entry effort Category/department /employee wise salary processing taking into account consideration components – allowances and deductions creation, HRA, CPF,
			➤ Extra CPF, CPDA payment, LTC/ other reimbursement etc. Medical Allowance / Reimbursement
			➤ CPDA management Earned Leave Encashment Calculation and historical record.
			➤ Salary slip generation Salary report generation month wise posting on individual e-mails, year wise Posting of salary details into Bank Processing of DA, other arrears Contingent Bill for Leave Encashment, Other Payments
			➤ Loan structure, application & sanction of loan / guarantors, instalments Income Tax Management – income tax slabs / surcharge, IT Rules till a specified date.
			➤ Calculate the recovery amount on the Loan amount taken / instalments for every month.
			➤ Maintain a NPS Personal Ledger for an Employee Calculate interest amount on the accumulated CPF: quarterly, semi-annually and annually. Monthly and yearly report of NPS collection and deposit with PFRDA for each individual Employee
			➤ Student fees management Read student data Fee set up for Course wise fees details Payment of fees for each course Set different types of categories to be associated with student fees Student fees can be set with different categories and different number of students
			➤ Define „n“ number of fee heads and fee components in the institute like, college head, transport head, hostel head Add and collect full/partial fee during student registration and admission
			➤ View, edit, update, cancel student fees and related information Receive student fee dynamically at the time of receiving fee Facility of receiving fee through payment gateway into institute’s account
			➤ View received fee and fee transactions Send information to student and his parent of cancellation of fee through email and SMS channel Provides student ledger report Provides transaction reports and details.



			<ul style="list-style-type: none"> <li>➤ View for all session fee together and gives option to receive fee from there.</li> <li>➤ Functionality to add additional fee, for fine or any other amount type.</li> <li>➤ Facility to refund some or all amount and can also close student fee account.</li> <li>➤ Provides reports to view student fees.</li> <li>➤ Define fee structure at course level, branch level, batch level and semester level.</li> <li>➤ Define fee concessions for academic performances.</li> <li>➤ Define fee concessions for different categories of students like SC/ST/OBC/DASA</li> <li>➤ Define fine for any activity in the institute e.g. ragging, indiscipline. Maintain fee and fine record paid and due for a student Cancel fee receipts issued</li> <li>➤ Sponsored Projects and consultancy Project /Consultancy proposal /approval Receiving of approved project proposal</li> <li>➤ Management of fund sanction, allocation &amp; expenditure and UC Details for each individual project</li> <li>➤ Project wise PI/Co-PI details</li> <li>➤ Finance Accounting This Package is not required as part of Institute Management System. Institute is using Tally for this. However, as per details given above and below it should be possible to import any required data into Tally using CSV format. Further, reports and data as needed by Tally should be possible to print and convert into CSV/PDF format.</li> <li>➤ Accounting Reports Account head / Sub head report Challan / DD / Cash book / Bank book / Transfer / Contra report Outstanding report Income tax details Request amount Trial balance report</li> <li>➤ Fund utilization report TDSS certificate search Yearly budget Fee and fine collection for every semester: branch wise, course wise. Fee and fine collection between any 2 dates. Fee and fine collection due. List of concessions available. Fee and fine receipts.</li> <li>➤ Students details their outstanding scholarship amount and amount released data</li> </ul>
13.	VC/Pro-VC /Director/ Registrar/ Dean/HOD Office Management		<ul style="list-style-type: none"> <li>➤ Dash Board separate for each category</li> <li>➤ File Movement</li> <li>➤ File Tracking</li> <li>➤ Meeting Management</li> <li>➤ Conferences/Seminars/Workshops/Training</li> <li>➤ Programme management</li> <li>➤ Senate / BOG agenda/minutes uploading and circulation</li> <li>➤ View / Print of current / minutes of Senate / BOG / Finance Committee agenda/minutes uploading</li> <li>➤ View / Print of current / minutes of Finance Committee</li> <li>➤ Office Record Keeping, Work assignment, Progress monitoring</li> <li>➤ Dynamic Website, Automatic updation of information</li> </ul>

			<ul style="list-style-type: none"> <li>➤ File management/letter movement and its tracking system by the employee/faculty</li> </ul>
			<ul style="list-style-type: none"> <li>➤ Trace/tracking of reimbursements/indents and advances by employee/faculty to facilitate purchase/different activities for institutional /department /research.</li> </ul>
			<ul style="list-style-type: none"> <li>➤ On line invigilation duties to faculty members.</li> </ul>
			<ul style="list-style-type: none"> <li>➤ On line purchasing procedure particularly approval and submission of quotations</li> </ul>
			<ul style="list-style-type: none"> <li>➤ On line availability of student and alumni record of the department.</li> </ul>
			<ul style="list-style-type: none"> <li>➤ Online availability of Faculty &amp; Staff of the department</li> </ul>
			<ul style="list-style-type: none"> <li>➤ List of students registered on the basis of subjects.</li> </ul>
			<ul style="list-style-type: none"> <li>➤ List of students eligible to write end semester examination.</li> </ul>
			<ul style="list-style-type: none"> <li>➤ List of students appearing in supplementary examination.</li> </ul>
			<ul style="list-style-type: none"> <li>➤ Course file management, Assignment records, student feedback, course web page management.</li> </ul>
			<ul style="list-style-type: none"> <li>➤ Lab record management, stock book, purchase comparative, purchase order.</li> </ul>
			<ul style="list-style-type: none"> <li>➤ Meetings &amp; Minutes of various Academic Committees (DUGC, DMPC, DDPC etc.)</li> </ul>
			<ul style="list-style-type: none"> <li>➤ Online availability of Faculty &amp; Staff of the department</li> <li>➤ List of students registered on the basis of subjects.</li> <li>➤ On line invigilation duties to faculty members.</li> </ul>
			<ul style="list-style-type: none"> <li>➤ List of students eligible to write end semester examination. List of students appearing in supplementary examination. The information under the Integrated Institute Management System [IIMS] pertaining to the Department fulfils departmental objective &amp; requirements. Course file management, Assignment records, student feedback, course web page management. Lab record management, stock book, purchase comparative, purchase order. Meetings &amp; Minutes of various Academic Committees (BOS/BOE/URDC/CRDC/School Boards etc.)</li> <li>➤ Ability to create mailing groups of employees of students as per group/ elective/ Insurance Management Facility of login from institute's public portal into the system for limited access for viewing above as per policy of the institute</li> </ul>
			<ul style="list-style-type: none"> <li>➤ Student Management Dashboard, including ability to view Admission and Current Registration Status,</li> </ul>
			<ul style="list-style-type: none"> <li>➤ Academic Records, Historical Records (for verification purpose), Student's Personal Database, Report of indiscipline and proctorial action against the student.</li> </ul>
<b>14.</b>	Academic module		<ul style="list-style-type: none"> <li>➤ Provision of Subject allotment and faculty by concerned HOD Faculty may take theory / practical / project / thesis</li> </ul>
			<ul style="list-style-type: none"> <li>➤ Concerned HOD can allow failed students to sit in Mid-Term Examination as allowed by Dean (Acad.)</li> <li>➤ Provision to Faculty to enter students attendance – access through login</li> </ul>

			<ul style="list-style-type: none"> <li>➤ Provision for reminding faculty to fill attendance through HOD via email</li> <li>➤ Attendance visible to administration, faculty, student and parent modules</li> <li>➤ Short attendance notice through e-notice/email/SMS to subject teacher, HOD, Dean (Acad.), Academic Officers, controller of exam, professor-in-charge, student, parent on a selectable frequency such as monthly/before mid-term examinations/ end- of-semester Attendance information dissemination to students/parents through Email/SMS channel</li> <li>➤ Student Database</li> <li>➤ Student Registration</li> <li>➤ Student Program and Course Registration</li> <li>➤ Faculty Database</li> <li>➤ Faculty Assignment to courses</li> <li>➤ Syllabus creation</li> <li>➤ re-examination functionality</li> <li>➤ Schedule of Mid Semester, Main or End Semester, Supplementary, Special Supplementary and Summer Semester Examinations</li> <li>➤ Receiving of question papers for the Mid Semester, Main or End Semester, Supplementary, Special Supplementary and Summer Semester Examinations from the different departments. Invigilator, Hall management, Seating Arrangement, Hall ticket printing.</li> <li>➤ Online attendance management for the registered students in a semester.</li> <li>➤ Multiple eligibility checks for example attendance, valid registration etc. of students for appearing in examination</li> <li>➤ Generation of attendance list of students and invigilators for examination.</li> <li>➤ Conduct of Examination-record keeping of Student Attendance during examination Invigilator attendance during examination</li> <li>➤ Answer-sheet distribution during examination</li> <li>➤ Answer sheet distribution and return</li> </ul>
		Learning Triggers	<ul style="list-style-type: none"> <li>➤ The software should facilitate student learning through online downloading-uploading of assignments/study material. There should be provision to create a learning plan (based on the syllabus) and link learning resources with it.</li> <li>➤ Parents can view attendance via Internet in the Parent's Button on IIMS</li> </ul>
		Parents Module	
15.	Fixed Assets Modules	Assets	<ul style="list-style-type: none"> <li>➤ Addition of Fixed Assets</li> <li>➤ Value addition to existing assets</li> <li>➤ Fixed Assets Register</li> <li>➤ Allocation/Re-allocation of fixed assets</li> <li>➤ Assets Transfer</li> <li>➤ Assets Insurance details /AMC</li> <li>➤ Depreciation of Scrap/Sales of Scrap or assets</li> <li>➤ Depreciation Calculation.</li> </ul>

16.	Purchase/ Receiving/Inventory		<ul style="list-style-type: none"> <li>➤ Raising of Purchase requisition</li> <li>➤ Store indent generation</li> <li>➤ Placing of Enquiry to various parties</li> <li>➤ Comparative statement generation.</li> <li>➤ Purchase order through approved quotation</li> <li>➤ Amendment of approved purchase order</li> <li>➤ Goods received and material inspection</li> <li>➤ Purchase return</li> <li>➤ Bill Passing with FAS Integration</li> <li>➤ Material issue / receipts</li> <li>➤ Material Transfer in/out to other stores/Location</li> <li>➤ Physical stock verification and adjustment voucher</li> <li>➤ Items repair</li> <li>➤ Store valuation on weighted average methodology.</li> <li>➤ Stores transaction detail</li> <li>➤ Classification and stocking</li> <li>➤ Maintenance of consumables/ assets</li> <li>➤ Automatic updation of stocks on purchase and distribution</li> <li>➤ Stock on hand-department wise / Stock verification details Purchase order generation and Records Vendor list</li> <li>➤ AMC maintenance for different equipments in different departments Stores audit Gate pass generation and record</li> <li>➤ Category /sub category Item search</li> </ul>
17.	Transport		<ul style="list-style-type: none"> <li>➤ Institute/Vendor- Vehicle Management</li> <li>➤ Vehicle Master Database</li> <li>➤ Route Management</li> <li>➤ Pick &amp; Drop Points</li> <li>➤ Student Seat Allotment</li> <li>➤ Vehicle Log Book Management</li> <li>➤ Vehicle Maintenance</li> <li>➤ Vehicle details</li> <li>➤ Vehicle maintenance details Vehicle running history</li> <li>➤ Driver information</li> <li>➤ Distance covered</li> <li>➤ Details of last purchase and last service</li> <li>➤ Repairing agency and date/cost</li> <li>➤ Issue and use details / Fuel log book</li> <li>➤ Price and payment of fuel consumption-monthly, quarterly, yearly</li> <li>➤ Contractor management</li> <li>➤ Insurance information</li> <li>➤ Online requisition and duty assignment</li> <li>➤ Fitness of vehicles</li> </ul>
18.	Hostel		<ul style="list-style-type: none"> <li>➤ Hostel admission</li> <li>➤ Room search / Room allocation / Room discontinuation / Room transfer</li> <li>➤ Room occupancy record keeping, Mess Bill Management</li> <li>➤ Visitor log book, Security guard details / duty etc.</li> </ul>
19.	System administrator rights		<ul style="list-style-type: none"> <li>➤ Restriction of unauthorized access to various modules of the software</li> <li>➤ System administrator can only access all the modules of the software</li> <li>➤ System administrator can create, update, edit, view</li> </ul>

			<ul style="list-style-type: none"> <li>➤ and remove any users</li> <li>➤ System administrator can update functionality security System administrator can</li> <li>➤ change any user id and password Create login accounts and permissions Setup /edit employee and student information</li> <li>➤ Generate notices/circulars</li> <li>➤ View all reports, records, results for employee and students Document</li> <li>➤ Management as to search on any given keyword that could be name, employee id, roll no., role and also month wise, year wise etc. and show in formatted form on the screen. It should be possible to generate printout and save searched data in file form. Similar restricted facility should be possible for every user of the system.</li> <li>➤ Overall administrative control over all modules</li> </ul>
			<ul style="list-style-type: none"> <li>➤ Top authority page to maintain information related to student/employee mass mailing (e-mail) facility</li> </ul>
20.	Security management		<ul style="list-style-type: none"> <li>➤ Security Agency name and Details/Contacts</li> <li>➤ Contract Period</li> <li>➤ All security guards** name/ designation, personal details, address, phone number / duty hours / duty location / Date of duty / Nature of duty / Off days</li> </ul>
21.	Guest/Faculty house management		<ul style="list-style-type: none"> <li>➤ Room type</li> <li>➤ Room search / Booking</li> <li>➤ Occupancy Record Management Check in date / Check out date Guest contract details, email Guest report monthly</li> <li>➤ Guest report daily</li> <li>➤ Reservation master</li> <li>➤ Room/ Food Billing, Mode of payment, Service Tax Guest House Inventory Management, Kitchen Inventory Management</li> </ul>