



St. Joseph's College for Women (Autonomous) Visakhapatnam - 530004

(NAAC Reaccredited & ISO 9001:2015, 14001:2015 Certified)



6.2.2: Institutional Implementation ERP Document

ADDITIONAL INFORMATION

ERP DOCUMENTS

- ❖ **Career Book Standard Educational Institute Management Solution**
- ❖ **Jayamas Software Solution**
- ❖ **E Z School Volksoft Technologies Pvt. Ltd.**

Proposal for CareerBook ERP Standard
Educational Institute Management Solution
for St. Joseph's College for Women,
Vishakapattanam
[Scope and Deliverables]

Project Proposal

Proposal Reference	CBSTDACC/DKT/Sept/2023/1155/V1.2
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Submitted to	The Principal
Submitted by	d'Katia Software Technologies (P) Ltd, 32/2335, Prasanth Lane, Near SL Plaza, Palarivattom Cochin – 682025
Revised on	27.02.2024
Validity	30 days from the proposal date
Through	Ms. Shabna Baig
Confirmed & Approved By	Mr. Ketty Cherian

Seller Restrictions

This data shall not be disclosed and shall not be duplicated, used, or disclosed in whole or in part for any purpose. If a contract is awarded to < D' Katia Software Technologies (P) Ltd > as a result of or in connection with the submission of this data, the client or prospective client shall have the right to use the data to the extent provided in the contract.

Table of Contents

Seller Restrictions	2
<i>A Glimpse of our Company.....</i>	<i>4</i>
<i>Why choose us?</i>	<i>4</i>
Success Stories of few of our major clients.....	5
School/College Management System Modules	7
Project Scope.....	7
Fees and Costs	18
Payment Terms:.....	18
Bank Details.....	18
Data Migration	18
Contract period.....	19
Implementation & Support	19
Law and Jurisdiction.....	19
Reservation of Rights	19
Usability	20
Graphical User Interface.....	20
Performance.....	20
Technology	20
Security Data Storage	20
Software Support Terms	20
Severity Levels	20
Error Resolution.....	21
Agreement.....	21

A Glimpse of our Company

d'Katia, founded in 2009, is a leader in enterprise software and technical services with cloud based innovative software. D' Katia has corporate headquarters in India with presence in UK, Australia and New Zealand.

Why choose us?

- Around 12 years of industry experience in serving major clients in IT and allied industries.
- Experts in custom ERP solutions, Software Development & Mobile Application development.
- A team of experienced hands with hands on knowledge in the latest IT Technologies
- Quick start of projects with team of experts
- Cost effective solutions compared to competitors without compromise on quality
- Dedicated support team to help you
- Compliance & security audited by leading Big4 firm for enhanced authenticity
- Hosting provided in reliable & dedicated servers like AWS, Alibaba & Google
- 1000+ happy customers globally across various industry

Success Stories of few of our major clients

Client	Solution
Federal Bank	Fee Management Solution for 1000 schools
HDFC Bank	Market Place for Educational Institutions
MES Group of Institutions	CareerBook ERP for 100 branches
Sree Narayana Group of Institutions	CareerBook ERP for 10 institutions
Don Bosco Group of Institutions	CareerBook ERP for Bangalore province (21 institutions)
T .John Group of Institutions	CareerBook ERP for 7 institutions
Nehru Group of Colleges	CareerBook ERP for 23 branches
Islamic Welfare Trust	CareerBook ERP for 7 institutions
Nirmala Rani Group of Schools	CareerBook ERP for 4 institutions

Major clients using CareerBook ERP – Educational Institute Management Solutions

- ⇒ Hutchings, Talegaon, Pune
- ⇒ Cochin Public School, Ernakulam
- ⇒ Kanikkamatha Convent E M G H S S, Palakkad
- ⇒ Vidyadi Raja Vidhya Peetom Central School, Mavelikkara
- ⇒ Redbridge International School, Bengaluru
- ⇒ Holy Family Convent EMCHSS, Chennai
- ⇒ Jeevass KG & Jeevass CMI Central School, Kerala
- ⇒ St. Mary's English Medium School, Jangaon, Telangana
- ⇒ National Public School, Bannerghatta Road
- ⇒ International Delhi Public School, Ballari
- ⇒ De Paul College, Mysore
- ⇒ Good Shepherd Group of Institutions, Bengaluru
- ⇒ De Sales Academy, Bengaluru
- ⇒ Don Bosco Football Academy, Kerala

Few of our happy clients using CareerBook Lite Fee Management System

- ⇒ MS Ramaiah Institute of Technology, Bengaluru
- ⇒ Lady Andal House of Children, Chennai
- ⇒ Mar Athanasius International School, Kerala
- ⇒ Christ Jyoti School, Haripur
- ⇒ St. Pauls College, Bengaluru
- ⇒ St. Thomas Public School, Kerala
- ⇒ Little Flower Convent, Sangrur
- ⇒ Tilak Junior College, Navi Mumbai
- ⇒ MMAR Central School, Kerala
- ⇒ Bright Buds Primary School, Pondicherry
- ⇒ St. Theresa School, Bendur, Mangalore
- ⇒ St. Gregorious High School, Chembur, Mumbai
- ⇒ Christian College, Bengaluru
- ⇒ Sacred Heart Convent High School, Nasik, Maharashtra
- ⇒ St. Mary's Senior Secondary School, Rohtak, Haryana
- ⇒ Mount Carmel School, Balachaur, Punjab
- ⇒ Greets Public School, Kochi
- ⇒ Pogo Kids, Coimbatore
- ⇒ Maxwell Public School, Bengaluru
- ⇒ St. Paul Institute of Professional & Management Studies, Indore
- ⇒ Rajagiri Public School, Kochi
- ⇒ Premier School, Rajkot
- ⇒ Holy Cross College, Tripura
- ⇒ NST Mathew's Public School, Vijayawada
- ⇒ Pune Cambridge Public School & Junior College, Pune, Maharashtra
- ⇒ Bishop Moore Vidyapith Kerala
- ⇒ Assissi Vidyaniketan Kerala
- ⇒ Sri Bala Vidyalaya Chennai
- ⇒ St. Marys English School, Meghalaya

School/College Management System Administrative Modules

Student Information System

- Student Profile with complete date of Student like contact details, fee details & other details with document upload option
- Assigning roll numbers –manually & automatically
- Generation & Issue of Student ID Card
- Students' details in a single click
- Standard wise promotion list
- Quick update option
- Bulk uploads of students in customizable formats.
- Profile print option with critical details

Course/Classes

- Add Class & Section
 - Class Title
 - Class Section
 - Student Capacity
 - Class Code
- Class Information
 - Provides the details of a class including the Student Numbers, Student Names, Average Attendance %, Class Teacher, Subjects, Timetable, Subject Teachers
 - Navigation via hyperlinks will be provided which gives detailed information on each like student details, teacher details etc.
- Class Promotion
 - Automatically promotes one class to a higher class in a single click
 - Option to add exceptions also available

Subject

- Add Subject
 - Choose Class
 - Subject Title
 - Optional or not
- Subject List
 - Option to view Subjects Class Wise

Attendance

- Detailed Attendance view
 - Class Wise
 - Student Wise
 - Subject Wise

Timetable

- Set Timetable
 - Select Day
 - Select Subject
 - Select Teacher
 - Start Time
 - End Time

- Class Wise Timetable
 - Option to View Timetable – Class Wise
 - Sort Timetable according to Class wise, Teacher Wise, Subject Wise Etc

Substitution

- Easy to map available teachers to free classes.
- Auto/Manual Substitution
- Free teacher List

Communication

- SMS sending option Individuals, Groups, Classes, Section etc

Notices/Circulars

- Compose Notice
- Publish Notice
- Print/Download Notice Copies
- Assign Notice to a particular class/classes

Fee Management

- Online/Offline Fee Payment
- Dynamic Fee Rules Settings
- Fine Configuration
- Discount & Percentage concession settings
- Single Click Due and Collection Reports
- SMS option to due students
- Fee Link integration with Institution website
- Single Click fee payment option from the link send through SMS/Email
- Online Fee Reports
- Settlement of Online fee collected to corresponding bank accounts of the institution
- Multiple concession rules for various students' groups
- Multiple MID Configuration for the settlement of fees according to the fee types or class wise
- Branch logins for entering fee collection

Concession Management

- Set multiple concession rules for various students' groups.
- Discount & Percentage concession settings.
- Fee payment mode wise concession rules settings.

Transfer & Promote

- Promote students to next class in a single click
- TC issuing option

ID Cards

- ID Card Template Upload
- ID Card Generator – Student & Staff

Certificates

- Easy Certificate printing options.
- All kinds of certificates like TC, Bonafide Certificate, Fee Certificate etc
- Certificate request from the parent login via website or mobile app.

Houses & Clubs

- Easy House/Club segregation and reports.
- Cumulative House/ Club points generation and reports.

Front Office

- Admission Enquiry
- Phone Call Log
- Visitor Book
- Postal Log
- Complaint Management

Extra-Curricular

- Master
 - Category Master
 - Event Type Master
 - Event Master
 - Event Category Mapping
 - Item Master
 - Judges Master
 - Event Calendar
 - Assign Category to Class
 - Assign Judges
 - Norm Master
 - Location
- Score
 - Add Participants
 - Assign Items Norms & Rounds
 - Add Round wise Item Score
 - Round Wise Result
 - House wise Marks
- Reports
 - Participant List
 - Student Item List
 - Item Round Listing
 - Student Chest Number
 - Student Judge Wise Mark
 - Event Wise Winner Report
 - Winner List
 - Certificate Printing

Library Management

- Add Books
- Issue Books

- Book Returns
- Book Return Notification
- Book Stock
- SMS Integration

Transportation Management

- Add Vehicles
- Drops
- Routes
- Drop Fare Updation
- Vehicle Renewals

Admission Management

- Integration with Website – Application Form filling
- Application List
- Application Confirmation
- Entrance Exam Scheduling
- Application Status
- Student Documents
- Exam Marks
- Admission Fees
- Admission Confirmation Letter

Evaluation

- Term Master
- Group Master
- Group Assign
- Item Master
- Assignment Evaluation
- Observation Category
- Observation Category Class Wise
- Student Observation
- Evaluation Reports
 - Student Progress Card
 - Consolidated Class Wise Report
 - Weak Students Report

Mobile App – iOS & Android

- Android & iOS mobile app for Students, Parents, Teachers & Management
- Access fee details
- Marks entry
- Attendance
- Circulars
- Chat with teachers

User Logins with role-based permission

- Separate Parent & Student Logins.
- Principal & Management Logins with Dashboard interface with Graphical representation of Critical Data.
- Dashboards for quick overview.
- Parent/Student Login Integration with Institution Website.

Students

- Admission
 - Basic Details
 - Parental Information
 - Address
 - Parent Address Proofs (Scanned Uploads)
 - Login Details
 - Class Information
 - Photo
 - Other Documents
 - Transfer Certificate
 - Conduct Certificate
 - Academic Transcript
 - National Birth Certificate
- **Student Information**
 - Class Wise Student Information
 - Option to take print copies on Student information

Parents

- Parent Information
 - Parent Basic Details
- Parental Login
 - Login Options to the System
 - Details of the registered Student
 - Teachers Information with Contact Details
 - View Notice Board of concerned students

Teacher Logins

- Dashboard View
- Student Information
- Students' Parent Information
- Publish Notice
- Transport Information
- Sent Messages to Students, Teachers, Parents and Admin
- Subject Details

Human Resource Management

Employee Management:

- Listing of Employees (Branch Wise, Designation Wise)
- Basic Profile
- Salary Details
- Leave Details
- Education
- Reference
- Education & Work Experience
- Bank Details

Attendance Management:

- Reporting Time Management (Attendance via Biometric System)
- Employee Timesheet
- Muster Roll
- Shift Details

Leave Appling & Tracking:

- Configure Leaves
- Leave Requests Management
- Leave Approvals
- Leave Reports

Payroll Management:

- Manage Deductions & Earnings
- Holiday Calendar
- Payroll
- Salary Payment History
- Salary Post to Accounts
- Recovery Reports

Accounting Management-Modules

- Create Receipts (Students Fee, Fines & Other Misc. Receipts)
- Create Vouchers
- Day Book
- Cash Book
- Bank Book
- Account Groups
- Ledgers
- Journals
- Receipt Register
- Payment Register
- Contra Register
- Debit Note
- Credit Note

- A/Cs Payables
- A/Cs Receivables
- Bank Reconciliation
- Cash Flow Statement
- Cheque Register
- Trial Balance
- Profit & Loss Account
- Balance Sheet

ACCREDITATION MODULE

Student Details

Information of each student such as - Name, Enrolment No., Course details, Caste Category, Gender, Medium, State, Country, Mobile no., Aadhaar no., Fees type & Scholarship (Govt./ Pvt.), Disability.

Faculty & Staff – Profile & Research

- Basic details: Name, Designation, PAN & Aadhaar details, type, Date of joining & leaving, Email & mobile, previous experience, Caste Category, appointment type, Department, Promotions, Attach necessary documents
- PH. D. & PH. D. supervised information
- Awards Received – Government, International & Private
- Membership in various Academic bodies of University / Board
- Books / Research paper published
- Workshops / conferences attended & paper presentation
- Incentives received from Institute against Govt. / international recognition / awards

Campus Extension Activities

Students

- Value-added Certifications & programs
- Capability enhancement & holistic programs
- Special Programs for helping students
- Student's grievances Redressal
- Competitive exams & career counseling

Faculty-Staff & Others

- Awards & recognitions for extension activities
- Collaboration/MOU with Industries
- Sports and cultural activities
- Training Programs for faculty & staff
- Initiatives for local community

Management & Governance

- Vision and mission & core values
- Financial Audit
- Teaching learning reforms

Feedback System

- Feedback process of the Institution
- Students & Teachers Feedback for improvement
- Feedback by the student about Teaching
- Continuous Internal Evaluation & Assessment
- Improvements in Teaching-Learning

OBE – Outcome-Based Education

- Define Vision, Mission & PEO
- Defining & mapping PO, CO, PSO
- Conduction of Exams with outcomes for each Questions
- Outcome Reports
- Attainment Calculation & reports

List of Accreditation Reports Available (*Not comprehensive)

- Program Outcomes
- Course Outcomes
- Program Specific Outcomes
- Co- po mapping
- Principal/ HOD / Coordinator's details
- Faculty list
- Educational qualification/ designation wise/ department wise faculty list
- Department wise/ program wise/ course wise faculty count
- Faculty Profile
- Employees details
- Students' details
- Students' profile
- Students' Achievements
- Academic year wise students list / count
- Students' statistics - girls /boys Academic year wise
- Academic year wise new admission count
- Exams list- course wise
- Questions list- course wise
- Students' marks list - course wise
- PO Attainment report
- CO Attainment report
- Student feedback list
- Student survey
- Industrial Training Feedback
- Lesson planner
- Student Alumni

- Student Academic Year Wise Performance
- Brighter Students list
- Weaker Students list
- Internal Mark list
- Attendance report
- Projects / Lab report

Documents and Records Keeping

- Control of Records and Documents
 - Upload option for Various Document types
 - PDCA
 - SWOT
- Admission Process
 - Upload option for Various Document types
 - PDCA
 - SWOT
- Recruitment Process
 - Upload option for Various Document types
 - PDCA
 - SWOT
- HR Process
 - Upload option for Various Document types
 - PDCA
 - SWOT
- Budgeting
 - Upload option for Various Document types
 - PDCA
 - SWOT
- Complaint Handling
 - Upload option for Various Document types
 - PDCA
 - SWOT
 - Complaint Registers
 - Complaints of various types
- Teaching and learning process
 - Upload option for Various Document types
 - PDCA
 - SWOT
 - Teachers Workload
 - Teachers Timetable
 - Students Timetable
 - Achievements
- Examination Process
 - Upload option for Various Document types
 - PDCA
 - SWOT
 - Mark Registers

- Health and safety Process
 - Upload option for Various Document types
 - PDCA
 - SWOT
 - Feedback Forms
- Staff Appraisal Process
 - Upload option for Various Document types
 - PDCA
 - SWOT
 - Feedback Forms
- Self – Assessment Process
 - Upload option for Various Document types
 - PDCA
 - SWOT
 - Feedback Forms

EXAM CELL

Pre-Examination Process

- *Program Master Creation
- *Regulations Master Creation
- *Grades Setup
- *Marks Setup
- *Course Master Creation
- *Course Master View
- *Student Master Creation
- *Student Nominal Roll View
- *Exams Master Creation
- *Mid Division Creation
- *Best Average Setup
- *Exam Fee Setup
- *Exam Date Setup
- *Exams Time Table Creation
- *Exams Time Table Report
- *Online/Offline Exams Fee Payment
- *Exam Fee Receipt
- *Paid/Not Paid List(Sectionwise/Branchwise/Program Wise/Sem Wise/Subjectwise)
- *Consolidated Fee Report
- *Hall Ticket Generation(Online/Offline Setup)
- *Exam Booklet Generation
- *College Layout Setup For Seating Plan
- *Seating Plan

- * D-Form/Malpractise Creation
- *D-Form Generation
- *Booklets Digitalization Process

Post - Examination Process

- *Show Booklet From/Pages Setup
- *Scripts Path Selection
- *Question Template Entry
- *Bundle Automation Process
- *Bundle Reports
- *Bundle Details For Evaluation To Evaluator Through Email
- *Valuator Registration
- *Evaluator Authenticaion Via Otp/Thumb /Face Recognition
- *Script Evaluation
- *Question Wise Marks Report
- *Bundle Status Report
- *Results Processing
- *Dvs Login
- *Moderation Process
- *Moderation Details
- *Post Moderation Analysis
- * Moderation Applied Student Report
- *Grafting/Grace Marks
- *Results Declaration
- *Final Results Analysis
- *Tr With Grades
- *Tr With Marks
- *Final Result Report Student Wise
- *Question Marks Report Along With Attainments Reports
- *Result Sms For Parent & Student
- *Results View /Script View In Student E-Portal
- *Marks Memo Generation
- *University Wise Reports Gneration
- *Pc/Cmm Generation
- *University Pc/Cmm Report Generation / Class Wise Student Data
- *Transcript Generation

Automated Remuneration Reports

- *Consolidated Faculty
- *Remuneration Report
- *Consolidated Remuneration Report

Project Scope

This proposal is for a single institution, St. Joseph’s College for Women, Vishakapattanam.

Fees and Costs

Variant**	Price Per Student Per Month
CareerBook (Standard Variant)	INR 25 (Rupees Twenty-Five only)
Accreditation Module	INR 15 (Rupees Fifteen only)
Special Discount Applied	INR 5 (Rupees Five only)
Net Payable (including Mobile App)	INR 35* (Rupees Thirty Five only)

*GST included

Onetime Charges

Description	Rate
Server Configuration + Initial Set up cost	INR 12500* (Twelve Thousand Five Hundred only)

*GST will be charged extra

Payment Terms:

- a) Monthly charges: To be paid in advance against the invoice raised as quarterly/half yearly/yearly charges.
- b) One time charges to be paid at the time of project confirmation against invoice raised.
- c) Institution should make sure the number of students billable on the system is accurate to avoid any confusion. This should be done before the invoice is generated for the applicable period.

Bank Details

Account Name: d’Katia Software Technologies Pvt Ltd
 Bank Name: Federal bank
 Account Number: 1380 5600 0150 41 IFS
 Code: FDRL0001380
 BRANCH: Palarivattom, Kochi

Data Migration

Excel input formats will be available in the software to upload the master files from the existing software. The excel output files must be given by the respective organizations. The financial data will be migrated by inputting the opening balance of each ledger (provision will be available in the software to input the same). Initial data will be uploaded by d’Katia. Further data migration/updation will be solely the responsibility of the institution. If there is any delay in using the system even after data migration, company shall not be held responsible for the same.

Contract period

The minimum contract period will be for 3 years. The contract validity is for a maximum period of 10 years after which the contract needs to be reworked as a new one.

Implementation & Support

Online implementation and training support will be provided to administration staff & teachers. Implementation of the group of institutions shall be done within one month provided the data is received without any delay in the formats provided. All minor customizations/modifications which align with the allotted modules shall be done free of cost within the first three months of the implementation only. Major customisations will be chargeable. Onsite visits for variants from CareerBook Standard and above will not be chargeable. For Lite and Basic, onsite client training will be limited to maximum 2 per year and will be chargeable on actuals.

Other Integrations

The integrations to other systems will be done, without any additional cost, provided the primary vendor gives us API connectivity to their solutions. The integration would include GPS, Biometric System, RFID, Payment Gateway, SMS or any other system that enhances the operation of the system. We recommend the following compatible devices/solutions for seamless integration and smooth operations at no extra charges.

Biometric Device- ESSL models supported with Career book ERP are ESSL K90, ESSL K30, ESSL X990, and uFace-302,mb20,mb160 (face recognition).

Payment Gateway-Worldline, Razorpay, PayU,CC Avenue,Omnicare

SMS Vendor-Xpress SMS

Law and Jurisdiction

This Agreement shall be governed by and construed in accordance with the Laws of India and the parties hereto submit to the jurisdiction of the courts of Ernakulam.

Reservation of Rights

The client is provided with a license to use the application for the agreed contract period. The client will not have any right in the source code and the source code and its related rights always with d'Katia Software Technologies.

The Intellectual Property Rights in the Software and in the Documentation are reserved to d'Katia Software Technologies. Intellectual Property Rights arising from any work done in the course of this Agreement (Including all work relating to or incorporated in future releases or in any parameterization, modification, translation or integration) shall automatically vest exclusively with d'Katia and shall be entitled to retain and use copies of any such work in electronic or digital format.

Usability

Graphical User Interface

The system shall provide a uniform look and feel between all the pages.

The system shall provide a digital image for each product in the product catalog.

The system shall provide use of icons and toolbars.

Performance

The product shall be based on web system and must be run from a web server.

The preferred internet speed is 4 Mbps Connection from a reputed ISP.

The product shall take initial load time depending on internet connection strength which also depends on the media from which the product is run.

The performance shall depend upon hardware components of the client/customer.

Technology

The following are the technologies incorporated for the software development;

- Development Language – PHP
- Server – Mysql
- Framework - Codeigniter

Security Data Storage

The system's back-end servers shall only be accessible to authenticated administrators.

The system's back-end databases shall be encrypted.

Software Support Terms

We do provide dedicated support lines and would be given high priority for your support calls

1.1 Comprehensive Support. d’Katia shall provide Comprehensive Support during the Contract Term, which shall include the following: (i) direct technical assistance via mail, (ii) direct technical assistance by Phone.

1.2 Support Term. Comprehensive Support shall be provided in the contract period following the Implementation for the applicable Software.

1.3 Response Times. d’Katia will use commercially reasonable efforts to effectuate prompt resolution of errors in the Software pursuant to the Severity Levels, response time and resolution times described below (“Severity Levels”). Response times are calculated based on Client’s normal business hours, which are during the days Monday through Saturday (excluding holidays & 2nd Saturdays) and between the hours of 09:00 am-6pm IST (Indian Standard Time) (“Business Hours”).

2. Severity Levels

2.1 “Severity Level 1” Error occurs where critical functionality is unavailable. Work cannot reasonably continue the impact of a Severity 1 Error on the business is severe and immediate; there are no workarounds to minimize business impact.

2.2 “Severity Level 2” Error occurs where central functionality of the system is restricted. Operation can continue in a restricted fashion or user experiences degradation of system functionality.

2.3 “Severity Level 3” Error causes minimal interruption to non-central functionality. The Error as a minor impact or is inconvenient.

2.4 “Severity Level 4” Error causes no loss of service. The Error may be a cosmetic Error, a documentation error, or minor incorrect behavior that does not impede the operation of the system and will be considered a development request for feature or functionality.

3. Error Resolution

3.1 Priority Level 1 & Priority Level 2. d’Katia shall provide an initial response to a Priority Level 1 Error within four hour and Priority Level 2 Error within one Business Day after receipt of the initial Customer contact. If d’Katia does not provide Customer with a workaround, patch, fix or other solution within 24 hours after d’Katia has replicated the Error and confirmed that the Error is a Priority Level 1 Error, d’Katia will provide the Customer with daily updates until resolution.

3.2 Priority Level 3 & Priority Level 4. d’Katia shall make an initial response to a Priority Level 3 and Priority Level 4 Error within two Business days. Resolution of Severity Level 3 issues will be handled in our release planning process and d’Katia will advise Customer as to an estimated timeframe for such resolution to be implemented in a Minor Release.

Agreement

This agreement constitutes the sole agreement between **d’Katia Software Technologies (P) Ltd** and the Client regarding this Project after confirmation and mutual agreement arrived after the product demo. Any additional work not specified in this contract or any other amendment or modification to this contract will be charged additionally, and an authorized written request would be signed by both Client and **d’Katia Software Technologies (P) Ltd**.

For Client

Authorized Signatory

For d’Katia Software Technologies (P) Ltd

Authorized Signatory

Accreditation Process

OBE - Components of OBE

- Vision and Mission of the Institute / Department
- Program Educational Objectives (PEOs)
- Program Outcomes (POs)
- Program Specific Outcomes (PSOs)
- Course Outcomes (COs) & Objectives
- Assessment
- Evaluation

Step –wise OBE Approach For Assessment

1. Establish Mission statements, Program Educational Objectives
2. Map Mission Statements with Program Educational Objectives (PEOs)
3. Define Program Outcomes (POs)
4. Course Outcomes (COs) & Objectives
5. Map Courses with POs
6. Map Assessment Pattern with COs of each course
7. Map Topics with CLOs
8. Define pedagogical tools for course outcomes delivery
9. Preparing session-wise Course Lesson Planner
10. Map Questions with COs at Bloom's Taxonomy levels & Assessments
11. Define rubrics with Bloom's Taxonomy and Cos
12. Track students' performance by proposing proper remedial measures
13. Measure students' performance against CO, course-wise
14. Measure students' performance against the PO threshold, semester-wise
15. Measure the attainment of each PLO through Direct/Indirect assessments
16. Compare PLO for the last 3 academic years and propose remedial actions
17. Assess the attainment of Program Educational Objectives

AQAR Data Template

Criterion – I: Curricular Aspects

Criterion – II: Teaching, Learning and Evaluation

Criterion – III: Research, Innovations and Extension

Criterion – IV: Infrastructure and Learning Resources

Criterion – V: Student Support and Progression

Criterion – VI: Governance, Leadership and Management

Criterion – VII: Institutional Values and Best Practices

- Conceive & draw Vision , Mission , Quality policy
- Program Educational Objectives
- Program outcomes – for each program
- Course outcomes - for each course/subject
- Question paper Framing
- Teaching Learning Process(TLP) –Quizzes, Group Discussions etc
- Address Gap in syllabus
- Feedbacks, Identify Weak & Bright students
- Any other existing/new quality practices

Course Outcomes

The Course Outcomes Management Module is a vital component for educational institutions, allowing them to effectively define and communicate the expected learning outcomes for each course and program. This module enables institutions to add and manage various course outcomes, ensuring clarity and consistency in educational objectives. The key functionalities of this module include the addition of course codes and detailed descriptions of course outcomes.

Key Features of the Course Outcomes Management Module

Add Course Outcomes

Institutions can add specific course outcomes for each program, clearly outlining the expected knowledge, skills, and competencies that students should acquire upon completion of a course. This feature ensures that all stakeholders have a clear understanding of the educational objectives.

Manage Course Codes

Each course outcome is associated with a unique course code. This systematic approach facilitates easy identification and management of courses within the institution's curriculum. Course codes help in organizing and referencing the outcomes efficiently.

Programme Add Programme

Select ▼

Course

Select Course ▼

Academic Year

2022-23 ▼

Course Code

Course Outcome

+

S.No	Cid	Institution	Department	Programme	Course	Course Code	Course Outcome Code	Course Outcome	Action
1	30	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	Data Structures(2022-23)	C 204	C 204.1	Understand how arrays, records, linked structures, stacks, queues, trees, and graphs are represented in memory and used by algorithm	✎ ✕
2	31	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	Data Structures(2022-23)	C 204	C 204.2	Ability to write programs that use data structure applications	✎ ✕
3	32	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	Data Structures(2022-23)	C 204	C 204.3	Knowledge on different methods for traversing trees	✎ ✕
4	33	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	Data Structures(2022-23)	C 204	C 204.4	Capability to design and implement an appropriate hashing function for an application	✎ ✕

Implementing Correlation Mapping and Attainment Levels

To effectively use these features, institutions should follow these steps:

Define COs and POs: Clearly articulate the Course Outcomes and Program Outcomes to establish a foundation for mapping.

Map COs to POs: Use the correlation mapping levels to document the relationship between each CO and relevant POs. This should be a collaborative process involving faculty and program administrators to ensure accuracy and consensus.

Set Attainment Targets: Establish clear criteria for each attainment level, ensuring they are measurable and aligned with educational standards.

Monitor and Assess: Regularly collect data on student performance to assess attainment levels. This can involve exams, projects, and other assessments.

Review and Adjust: Periodically review the correlation mappings and attainment levels to ensure they remain relevant and accurate. Use the assessment data to identify areas for improvement in the curriculum and instruction.

Benefits of Correlation Mapping and Attainment Levels

Enhanced Alignment: Ensures that individual courses are contributing effectively to overall program goals, promoting a cohesive educational experience.

Data-Driven Insights: Provides valuable data on student performance, helping educators identify strengths and areas needing improvement.

Continuous Improvement: Facilitates ongoing evaluation and refinement of courses and programs based on empirical evidence.

Transparency: Offers clear documentation of how courses support program outcomes and how well students are achieving these outcomes, aiding in accreditation processes and stakeholder communication.

In summary, the incorporation of Correlation Mapping Levels and Attainment Levels within the Course Outcomes Management Module greatly enhances an institution's ability to align, measure, and improve its educational offerings. By systematically mapping COs to POs and assessing student attainment, institutions can ensure they provide high-quality education that meets their academic and professional goals.

Department Add Department

Select Department ▼

Programme Add Programme

Select ▼

Academic Year

2022-23 ▼

Level Number

Description

Mapping Level Attainment Level

Max Type

Submit

S.No	Id	Institution	Department	Programme	Level No	Description	Type	Action
1	17	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	1	Low	Mapping Level	
2	18	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	2	Medium	Mapping Level	
3	19	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	3	High	Mapping Level	
4	20	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	1	Level 1	Attainment Level	
5	21	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	2	Level 2	Attainment Level	
6	22	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	3	Level 3	Attainment Level	
7	23	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	0	Level 0	Attainment Level	

Records: 1 to 7 of 7

Programme Outcomes Management: Defining and Aligning Educational Goals

The Programme Outcomes (PO) Management Module is a critical feature for educational institutions, enabling them to define and manage the expected outcomes of their programs. This module allows institutions to specify the Programme Outcomes, assign unique PO codes, and provide detailed descriptions for each outcome. These outcomes articulate the knowledge, skills, and competencies that students are expected to possess upon completing a program.

Key Features of the Programme Outcomes Management Module

Add Programme Outcomes

Institutions can add Programme Outcomes specific to each program. These outcomes serve as the foundational goals that guide the curriculum and ensure that the program meets its educational objectives.

Assign PO Codes

Each Programme Outcome is assigned a unique code, such as PO1, PO2, etc. These codes facilitate easy reference and organization, ensuring that each outcome is clearly identified and distinguishable from others.

Detailed PO Description

The module allows for the inclusion of detailed descriptions for each PO. These descriptions provide comprehensive information on the expected achievements of the students, outlining the specific knowledge, skills, and abilities they should acquire by the end of the program.

Benefits of the Programme Outcomes Management Module

Clarity and Consistency: Clearly defined Programme Outcomes ensure that all stakeholders, including students, faculty, and accreditation bodies, understand the goals and expectations of the program.

Enhanced Curriculum Alignment: By specifying the POs, institutions can align their courses and teaching methods to ensure that they contribute effectively to the overall program goals.

Improved Assessment and Evaluation: Detailed POs provide a framework for assessing student performance and the effectiveness of the program. They help in identifying gaps and areas for improvement.

Accreditation Support: Well-documented Programme Outcomes are essential for accreditation processes. They demonstrate the institution's commitment to maintaining high educational standards and continuous improvement.

Implementing Programme Outcomes Management

To effectively implement the Programme Outcomes Management Module, institutions should follow these steps:

Define Programme Outcomes: Collaborate with faculty, industry experts, and other stakeholders to define clear and measurable Programme Outcomes. Ensure these outcomes reflect the goals of the program and the needs of the industry.

Assign PO Codes: Develop a systematic coding scheme for the Programme Outcomes. Each PO should have a unique identifier to facilitate easy reference and management.

Document Detailed Descriptions: Provide comprehensive descriptions for each PO, outlining the specific knowledge, skills, and competencies students should acquire. Ensure that these descriptions are clear and detailed enough to guide curriculum development and assessment.

Integrate with Curriculum: Align the Programme Outcomes with course outcomes and teaching methods. Ensure that each course contributes to one or more POs, and that the curriculum as a whole supports the achievement of these outcomes.

Regular Review and Update: Periodically review the Programme Outcomes to ensure they remain relevant and aligned with industry standards and educational best practices. Update them as necessary to reflect changes in the industry or advancements in the field.

Example of Programme Outcomes Management

PO1: Apply knowledge of mathematics, science, and engineering fundamentals to solve complex engineering problems.

PO2: Design and conduct experiments, as well as analyze and interpret data to provide valid conclusions.

PO3: Develop solutions to engineering problems that are socially and environmentally responsible.

PO4: Communicate effectively on complex engineering activities with the engineering community and society at large.

Programme Outcomes

Institution Name
CB ERP DEMO COLLEGE

Department
Select Department

Programme
Select

Academic Year
2022-23

Programme Outcome
+

Enter programme outcome code

Academic Year *
2022-23

From Year *
2022-23

To Year *
2022-23

Copy

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S.No	Pid	Institution	Department	Programme	Program Outcome Code	Programme Outcomes	Action
11	35	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	PO 1	Demonstrate competencies in fundamentals of comput	✎ ✕
12	36	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	PO 2	Identify, formulate and analyze complex real-life	✎ ✕
13	37	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	PO 3	Design efficient solutions for complex, real-world	✎ ✕

Programme Specific Outcomes Management: Tailoring Educational Objectives

The Programme Specific Outcomes (PSOs) Management Module allows educational institutions to define and manage outcomes that are unique to a particular program. These outcomes specify what students should know and be able to do upon graduation, with a focus on the specific skills and knowledge pertinent to the program. The module facilitates the addition of PSOs along with their respective codes and detailed descriptions.

Key Features of the Programme Specific Outcomes Management Module

Add Programme Specific Outcomes

Institutions can define Programme Specific Outcomes that highlight the unique competencies and expertise students are expected to gain from a particular program. These outcomes differentiate the program from others and emphasize its specialized nature.

Assign PSO Codes

Each Programme Specific Outcome is assigned a unique code, such as PSO1, PSO2, etc. These codes help in organizing and referencing the outcomes efficiently, ensuring clear identification.

Detailed PSO Descriptions

The module allows for detailed descriptions of each PSO. These descriptions provide in-depth information on the specific skills, knowledge, and abilities that students should acquire, tailored to the program's unique focus and objectives.

Benefits of the Programme Specific Outcomes Management Module

Specialized Skill Development: Clearly defined PSOs ensure that the program focuses on developing specialized skills and knowledge that align with industry requirements and academic standards.

Enhanced Curriculum Alignment: By specifying PSOs, institutions can tailor their courses and teaching methods to ensure they contribute effectively to the specialized goals of the program.

Improved Student Guidance: Detailed PSOs help students understand the unique competencies they are expected to develop, aiding them in focusing their efforts and planning their careers.

Accreditation Support: Well-documented PSOs are crucial for accreditation processes, demonstrating the program's commitment to specialized, high-quality education.

Implementing Programme Specific Outcomes Management

To effectively implement the Programme Specific Outcomes Management Module, institutions should follow these steps:

Define Programme Specific Outcomes: Collaborate with faculty, industry experts, and other stakeholders to define clear and measurable PSOs that reflect the unique goals of the program and the needs of the industry.

Assign PSO Codes: Develop a systematic coding scheme for the PSOs. Each PSO should have a unique identifier to facilitate easy reference and management.

Document Detailed Descriptions: Provide comprehensive descriptions for each PSO, outlining the specific skills, knowledge, and competencies students should acquire. Ensure these descriptions are detailed enough to guide curriculum development and assessment.

Integrate with Curriculum: Align the PSOs with course outcomes and teaching methods. Ensure that each course contributes to one or more PSOs, and that the curriculum as a whole supports the achievement of these specialized outcomes.

Regular Review and Update: Periodically review the PSOs to ensure they remain relevant and aligned with industry standards and educational best practices. Update them as necessary to reflect changes in the industry or advancements in the field.

Example of Programme Specific Outcomes Management

PSO1: Apply advanced technical knowledge and skills in the field of computer engineering to design and develop innovative software solutions.

PSO2: Utilize principles of business management to lead and manage projects effectively in the technology sector.

PSO3: Demonstrate expertise in network security and data protection to ensure the integrity and confidentiality of information systems.

PSO4: Integrate modern engineering tools and technologies to solve complex problems in the automotive industry.

S.No	Institution	Department	Programme	Program Specific Outcome Code	Programme Specific Outcome	Action
6	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	PSO 1	Focuses on preparing student for roles pertaining	
7	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	PSO 2	Start from the basics and in every semester learns	
8	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	PSO 3	Develop programming skills, networking skills, lea	
9	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	PSO 4	Get skill and info not only about computer and inf	
10	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	PSO 5	Learn programming language such as Java, c++, HTML	

Mapping Matrix CO – PO: Aligning Course Outcomes with Programme Outcomes

The Mapping Matrix for Course Outcomes (CO) and Programme Outcomes (PO) is a crucial tool for educational institutions to ensure that their courses contribute effectively to their overall program goals. This matrix facilitates the correlation between COs and POs, allowing for the selection of correlation levels such as Low, Medium, or High. This systematic approach helps in visualizing and understanding how each course supports the broader objectives of the program.

Key Features of the CO – PO Mapping Matrix

Correlation Mapping

The matrix allows educators to map each Course Outcome (CO) to one or more Programme Outcomes (PO). This correlation is essential for aligning course-specific objectives with the overarching goals of the program.

Select Correlation Levels

For each CO-PO pair, the matrix enables the selection of a correlation level:

Low Correlation (Level 1): Indicates a minimal contribution of the CO to the PO.

Medium Correlation (Level 2): Indicates a significant contribution of the CO to the PO.

High Correlation (Level 3): Indicates a substantial contribution of the CO to the PO.

Visual Representation

The mapping matrix provides a visual representation of the relationships between COs and POs. This helps in easily identifying the strength and coverage of each course in achieving the program outcomes.

Benefits of the CO – PO Mapping Matrix

Clear Alignment: Ensures that each course is purposefully designed to contribute to the program's overall objectives, promoting a cohesive and integrated curriculum.

Focused Curriculum Development: Helps educators identify gaps and overlaps in the curriculum, allowing for better planning and resource allocation.

Improved Assessment: Facilitates the development of assessments that measure the achievement of both course and program outcomes, ensuring that student learning is comprehensive and aligned with program goals.

Data-Driven Decision Making: Provides valuable data for continuous improvement of the curriculum, helping institutions make informed decisions about course offerings and modifications.

Implementing the CO – PO Mapping Matrix

To effectively implement the CO – PO Mapping Matrix, institutions should follow these steps:

Define COs and POs:

Clearly articulate the Course Outcomes and Programme Outcomes. Ensure that COs are specific, measurable, and aligned with the skills and knowledge required by the program.

Map COs to POs:

Using the matrix, correlate each CO with the relevant POs. Select the appropriate correlation level (Low, Medium, or High) based on the extent to which the CO contributes to the PO.

Review and Validate:

Periodically review the mapping to ensure it accurately reflects the relationships between COs and POs. Involve faculty and other stakeholders in this process to validate the mappings and make necessary adjustments.

Use in Curriculum Planning:

Utilize the mapping matrix in curriculum planning and review sessions. Ensure that the matrix informs decisions about course content, teaching methods, and assessment strategies.

Continuous Improvement:

Regularly update the mapping matrix to reflect changes in the curriculum, industry standards, and educational best practices. Use feedback from assessments and stakeholder input to refine the mappings.

Example of CO – PO Mapping Matrix

Course Outcome (CO)	Programme Outcome (PO)	Correlation Level
CO1: Understand basic principles of computer programming.	PO1: Apply knowledge of mathematics, science, and engineering.	Medium (Level 2)
CO2: Design and implement software solutions.	PO3: Develop solutions to engineering problems that are socially and environmentally responsible.	High (Level 3)
CO3: Analyze and interpret data for informed decision-making.	PO2: Design and conduct experiments, as well as analyze and interpret data.	High (Level 3)
CO4: Communicate technical information effectively.	PO4: Communicate effectively on complex engineering activities with the engineering community and society at large.	Medium (Level 2)

Mapping Matrix Formate Co Po ← BACK

Q Select Criteria

Institution Name* CB ERP DEMO COL...
 Department Dept Of Computer Applications
 Programme BCA
 Academic Year * 2022-23
 Batch* BCA SEM 2

Section* Sem 3
 Select Course* Data Structures Q Search

CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	P
C 204.1	Select Level ▼	2 Select Level ▼	Select Level ▼	Select Level ▼	Select Level ▼	Select Level ▼	Select Level ▼	Select Level ▼	Select Level ▼
C 204.2	Select Level ▼	Select Level ▼	2 Select Level ▼	Select Level ▼	3 Select Level ▼	Select Level ▼	Select Level ▼	Select Level ▼	Select Level ▼
C 204.3	2 Select Level ▼	Select Level ▼	Select Level ▼	Select Level ▼	2 Select Level ▼	Select Level ▼	1 Select Level ▼	Select Level ▼	Select Level ▼

The mapped matrix details will be available in the following format. In this the correlation between CO and PO is shown and also the average value of the correlation is also calculated here.

Department	Programme	Course										
Select Department ▾	Select ▾	Data Structures ▾	Show									
CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 9	PO 10	PO 11	PO 12	
C 204.1	-	2	-	-	-	-	-	-	1	1	-	
C 204.2	-	-	2	-	3	-	-	-	-	2	-	
C 204.3	2	-	-	-	2	-	1	-	-	-	3	
C 204.4	-	-	-	3	-	1	-	-	3	1	-	
C 204.5	2	2	-	-	-	-	-	1	-	-	-	
CO AVG	2	2	2	3	2.5	1	1	1	2	1.33	3	

Mapping Matrix CO – PSO: Aligning Course Outcomes with Programme Specific Outcomes

The Mapping Matrix for Course Outcomes (CO) and Programme Specific Outcomes (PSO) is an essential tool for educational institutions to ensure that their courses contribute effectively to the specialized goals of their programs. This matrix facilitates the correlation between COs and PSOs, allowing for the selection of correlation levels such as Low, Medium, or High. This structured approach helps in visualizing and understanding how each course supports the specific objectives of the program.

Key Features of the CO – PSO Mapping Matrix

1. Correlation Mapping

- The matrix allows educators to map each Course Outcome (CO) to one or more Programme Specific Outcomes (PSO). This correlation is essential for aligning course-specific objectives with the specialized goals of the program.

2. Select Correlation Levels

- For each CO-PSO pair, the matrix enables the selection of a correlation level:
 - Low Correlation (Level 1):** Indicates a minimal contribution of the CO to the PSO.
 - Medium Correlation (Level 2):** Indicates a significant contribution of the CO to the PSO.
 - High Correlation (Level 3):** Indicates a substantial contribution of the CO to the PSO.

3. Visual Representation

- The mapping matrix provides a visual representation of the relationships between COs and PSOs. This helps in easily identifying the strength and coverage of each course in achieving the program-specific outcomes.

Benefits of the CO – PSO Mapping Matrix

- **Clear Alignment:** Ensures that each course is purposefully designed to contribute to the program's specialized objectives, promoting a cohesive and targeted curriculum.
- **Focused Curriculum Development:** Helps educators identify gaps and overlaps in the curriculum, allowing for better planning and resource allocation.
- **Improved Assessment:** Facilitates the development of assessments that measure the achievement of both course and program-specific outcomes, ensuring that student learning is comprehensive and aligned with program goals.
- **Data-Driven Decision Making:** Provides valuable data for continuous improvement of the curriculum, helping institutions make informed decisions about course offerings and modifications.

Implementing the CO – PSO Mapping Matrix

To effectively implement the CO – PSO Mapping Matrix, institutions should follow these steps:

1. Define COs and PSOs:

- Clearly articulate the Course Outcomes and Programme Specific Outcomes. Ensure that COs are specific, measurable, and aligned with the specialized skills and knowledge required by the program.

2. Map COs to PSOs:

- Using the matrix, correlate each CO with the relevant PSOs. Select the appropriate correlation level (Low, Medium, or High) based on the extent to which the CO contributes to the PSO.

3. Review and Validate:

- Periodically review the mapping to ensure it accurately reflects the relationships between COs and PSOs. Involve faculty and other stakeholders in this process to validate the mappings and make necessary adjustments.

4. Use in Curriculum Planning:

- Utilize the mapping matrix in curriculum planning and review sessions. Ensure that the matrix informs decisions about course content, teaching methods, and assessment strategies.

5. Continuous Improvement:

- Regularly update the mapping matrix to reflect changes in the curriculum, industry standards, and educational best practices. Use feedback from assessments and stakeholder input to refine the mappings.

Example of CO – PSO Mapping Matrix

Course Outcome (CO)	Programme Specific Outcome (PSO)	Correlation Level
CO1: Understand basic principles of computer programming.	PSO1: Apply advanced technical knowledge in computer engineering.	Medium (Level 2)
CO2: Design and implement software solutions.	PSO2: Utilize principles of business management in technology projects.	High (Level 3)
CO3: Analyze and interpret data for informed decision-making.	PSO3: Demonstrate expertise in network security and data protection.	Medium (Level 2)
CO4: Communicate technical information effectively.	PSO4: Integrate modern engineering tools in the automotive industry.	Low (Level 1)

CO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 7	PSO 8	PSO 9
C 204.1	-	-	-	-	1	-	-	2
C 204.2	-	-	-	2	-	2	-	-
C 204.3	-	-	3	-	-	-	1	-
C 204.4	-	1	-	-	-	2	-	-
C 204.5	3	-	-	-	2	-	-	-
CO AVG	3	1	3	2	1.5	2	1	2

Attainment Internal Marks – Settings

The Attainment Internal Marks – Settings module is designed to help educational institutions clearly define and classify student performance levels based on their internal assessment marks. This module allows institutions to set detailed criteria for different attainment levels, ensuring a transparent and consistent evaluation of student performance. By defining what each level signifies, institutions can classify students appropriately and use this data to inform teaching strategies and support mechanisms.

Example of Attainment Level Definitions

Level 1: 50% of students score more than 50% of marks. This level indicates a basic level of attainment where half the students have achieved a satisfactory performance.

Level 2: 60% of students score more than 50% of marks. This level indicates a moderate level of attainment, suggesting that a majority of students are performing well.

Level 3: 70% of students score more than 50% of marks. This level indicates a high level of attainment, demonstrating that most students have achieved a good understanding of the course material.

S.No	Institution	Department	Programme	Course	Academic Year	Level No	Student Score(%)	Mark(%)	Description
8	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	Data Structures	2022-23	0	0	50	Level 0
9	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	Data Structures	2022-23	1	50	50	Level 1
10	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	Data Structures	2022-23	2	60	50	Level 2
11	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	Data Structures	2022-23	3	70	50	Level 3

Attainment External Marks – Settings

In the realm of educational assessment, defining the attainment levels for external marks is paramount. This setting delineates the description of each level concerning the marks obtained. Through this option, the criteria for categorizing students into distinct levels are clearly articulated, providing clarity and structure to the assessment process.

Level Descriptions:

Level 1: At this level, it is denoted that a minimum of 50% of the students have scored above 50% marks. This signifies a foundational level of achievement, where a substantial portion of the student cohort has met or exceeded the set benchmark.

Level 2: Moving beyond the basic threshold, Level 2 signifies a higher degree of attainment. Here, it is indicated that 60% of the students have surpassed the 50% mark threshold. This suggests a more advanced level of performance, with a majority of students demonstrating proficiency above the minimum requirement.

Add External Mark

Institution Name
CB ERP DEMO COLLEGE

Department
Select Department [Add Department](#)

Programme
Select [Add Programme](#)

Course
Select Course

Academic Year
2022-23

Level Number
Select Level [Add Level](#)

Student Score(%)

Academic Year*
2022-23 [Search](#)

From Year *
2022-23

To Year *
2022-23 [Copy](#)

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S.No	Institution	Department	Programme	Course	Academic Year	Level No	Student Score(%)	Mark(%)	Description
3	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	Data Structures	2022-23	0	0	50	Level 0
4	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	Data Structures	2022-23	1	50	50	Level 1
5	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	Data Structures	2022-23	2	60	50	Level 2
6	CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	Data Structures	2022-23	3	70	50	Level 3

CO PO Attainment Settings

In the dynamic landscape of educational assessment, the CO PO Attainment Settings serve as a crucial mechanism for delineating the weightage assigned to each attainment, encompassing both direct and indirect achievements. This option provides a structured framework for defining the percentages of direct and indirect attainments associated with Course Outcomes (COs) and Program Outcomes (POs), facilitating a comprehensive assessment of student learning outcomes.

Key Components:

Direct Attainments: These encompass the measurable outcomes directly linked to specific Course Outcomes (COs) and Program Outcomes (POs). Direct attainments are tangible and quantifiable, providing a clear indication of students' mastery of course content and program objectives.

Indirect Attainments: In contrast, indirect attainments encompass broader competencies, skills, and attributes that contribute to the overall attainment of COs and POs. These may include critical thinking, communication skills, problem-solving abilities, and professional ethics, among others.

Defining Weightages:

CO Types: The CO PO Attainment Settings define the weightage assigned to direct and indirect attainments for each Course Outcome (CO) type. This entails specifying the percentage of direct attainment and indirect attainment associated with individual COs, reflecting the relative importance of each outcome in the overall assessment framework.

PO Types: Similarly, the weightages for direct and indirect attainments are delineated for Program Outcome (PO) types, ensuring alignment with the overarching objectives of the educational program. By defining clear weightages, educators can prioritize key learning outcomes and competencies, guiding curriculum development and instructional strategies accordingly.

S.No	School	Department	Programme	Academic Year	Mark	Attainment Code	Type	Action
7	CB ERP DEMO COLLEGE	BCA	Dept Of Computer Applications	2022-23	80	Direct Attainment	PO type	
8	CB ERP DEMO COLLEGE	BCA	Dept Of Computer Applications	2022-23	20	Indirect Attainment	PO type	

Records: 1 to 2 of 2 (filtered from 8 total records)

Add Exam

Within the educational ecosystem, the "Add Exam" option serves as a vital tool for incorporating essential details of examinations. This menu facilitates the seamless integration of various internal and external exam parameters, ensuring comprehensive coverage of assessment activities.

Key Functions:

Internal Exams: This section allows administrators to input details regarding internal examinations, which may include quizzes, midterms, and end-of-term assessments conducted within the institution. Key parameters such as exam dates, duration, format, and weightage can be specified to provide clarity and structure to the assessment process.

External Exams: In addition to internal assessments, the "Add Exam" option enables the inclusion of details pertaining to external examinations, such as standardized tests, certification exams, and licensure assessments. Administrators can input relevant information such as exam name, conducting body, registration deadlines, and eligibility criteria, ensuring students are well-informed and prepared for external evaluation.

Add Exam

School Name
CB ERP DEMO COLLEGE

Academic Year*
2022-23

Exam Name*

Exam Mark

Exam Heading

Exam Duration

Exam List

Academic Year: Select From Year: 2022-23 To Year: 2022-23

Sl No	Exam	Display Order	Academic Year	Term	Exam Map Name	Action
6	BCA Internal 1	1			Test Bcom	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
7	BCA University	2			Test Bcom	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Records: 1 to 2 of 2 (filtered from 9 total records)

Assessment Settings

In the realm of educational assessment, the "Assessment Settings" feature serves as a cornerstone for configuring essential parameters related to examinations. This comprehensive tool allows administrators to specify crucial details of added examinations, including exam weightage, attainment cutoffs, and categorization criteria for students into weaker and brighter categories.

Key Features:

Exam Weightage: Within the Assessment Settings, administrators can assign appropriate weightage to each examination added to the system. This ensures that assessments are accurately weighted based on their significance in evaluating student performance, thereby reflecting the relative importance of different exams in the overall grading scheme.

Attainment Cutoffs: The Assessment Settings menu enables the establishment of attainment cutoffs, delineating the minimum thresholds of achievement required for various performance categories. These cutoffs serve as benchmarks for assessing student proficiency and determining their placement within different attainment levels.

Weaker and Brighter Cutoffs: Administrators have the flexibility to define cutoff points that differentiate between weaker and brighter student categories based on their performance in assessments. This categorization allows for targeted intervention strategies to support struggling students while also recognizing and nurturing the talents of high achievers.

Institution Name

Session

Exam

No of Questions

Max Marks

Weightage

Attainment CutOff

Weaker CutOff

S.No	Institution	Session	Exam	No of Questions	Max Marks	Weightage	Attainment CutOff(%)	Weaker CutOff(%)	Brighter CutOff(%)	Action
5	CB ERP DEMO COLLEGE	2022-23	BCA Internal 1	9	60	10	50	40	80	
6	CB ERP DEMO COLLEGE	2022-23	BCA University	5	50	10	50	40	80	

Records: 1 to 2 of 2 (filtered from 8 total records)

Taxonomy Integration

Within educational management systems, the "Taxonomy" option serves as a pivotal tool for integrating the elements of Bloom's Taxonomy. This integration lays the foundation for comprehensive student evaluation, encompassing diverse cognitive domains and levels of learning.

Key Components:

Bloom's Taxonomy Elements: Administrators can add and configure the various elements of Bloom's Taxonomy within the system. These elements encompass the cognitive processes involved in learning, including remembering, understanding, applying, analyzing, evaluating, and creating. By incorporating Bloom's Taxonomy, educators can ensure that assessment activities align with the desired learning outcomes and instructional objectives.

Evaluation Framework: The taxonomy provides a structured framework for evaluating student performance across different cognitive levels. By categorizing assessment tasks according to Bloom's Taxonomy, educators can assess not only students' knowledge retention but also their ability to apply, analyze, synthesize, and evaluate information critically.

Taxonomy

Institution Name

Name

Code

S.No	Id	School	Name	Code	Action
1	9	CB ERP DEMO COLLEGE	Remember	Rem	
2	10	CB ERP DEMO COLLEGE	Understand	UN	
3	11	CB ERP DEMO COLLEGE	Apply	APP1	
4	12	CB ERP DEMO COLLEGE	Analyze	ANZ	
5	13	CB ERP DEMO COLLEGE	Evaluate	EVA	
6	14	CB ERP DEMO COLLEGE	Create	CRT	

Records: 1 to 6 of 6

Questions Management

Within the exam management system, the "Questions" option plays a pivotal role in facilitating the addition and organization of exam questions. This feature empowers faculty members to input detailed information for each question, including course outcomes, marks, question type, and taxonomy. By leveraging this functionality, educators can streamline the assessment process and ensure alignment with instructional objectives and Bloom's Taxonomy.

Key Features:

Course Outcome Alignment: Faculty members have the flexibility to associate each question with specific course outcomes. This alignment ensures that assessment tasks directly assess students' mastery of course content and learning objectives, fostering coherence and relevance in the evaluation process.

Marks Allocation: The option allows faculty members to assign appropriate marks to each question, reflecting its relative weightage in the overall assessment. By delineating marks for individual questions, educators can maintain consistency and fairness in grading practices, ensuring that assessments accurately reflect students' knowledge and skills.

Question Parts: For complex or multipart questions, faculty members can specify different parts within the system. This feature enables educators to break down assessment tasks into manageable components, providing clarity for both students and graders.

Taxonomy Classification: Faculty members can categorize each question according to Bloom's Taxonomy, specifying the cognitive level at which the question operates. This classification provides valuable insights into the complexity and depth of thinking required to answer the question, guiding educators in designing assessments that promote higher-order thinking skills.

[← Back](#)

Questions

Questions

Institution Name
CB ERP DEMO COLLEGE

Department [Add Department](#)
Select Department

Programme [Add Programme](#)
Select

Course
Select Course

Session
2022-23

[Copy Questions](#)

Institution	Department	Programme	Course	Session	Class & Section	Subject	Exam	Duration	Max Marks	Action
CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	Data Structures	2022-23	BCA SEM 2 (Sem 3)	Data Structures	BCA Internal 1	90	60	+ ✕ copy
CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	Data Structures	2022-23	BCA SEM 2 (Sem 3)	Data Structures	BCA University	90	50	+ ✕ copy
CB ERP DEMO COLLEGE	Dept Of Computer Applications	BCA	Data Structures	2022-23	BCA SEM 2 (Sem 3)	Data Structures	University 2	60	25	+ ✕ copy
CB ERP	Dept Of	BCA	Data	2022-23	BCA	Data	Assignment	60	25	+ ✕ copy

Marks Entry

Within the exam management system, the "Marks Entry" option serves as a pivotal tool for faculty members to input students' marks into the system efficiently. This feature enables faculty to enter marks based on each question, facilitating the correlation of marks with Course Outcomes (COs) associated with individual questions. Moreover, for questions that allow multiple correct answers (OR questions), faculty members are prompted to leave the corresponding cell blank.

Key Functions:

Individual Question Marking: Faculty members can enter marks for each question directly into the system. This granular approach to marking allows for precise evaluation of students' performance on specific assessment tasks, facilitating targeted feedback and assessment of learning outcomes.

CO Correlation: Marks entered into the system are correlated with Course Outcomes (COs) associated with each question. By linking marks to COs, faculty members gain insights into the extent to which students have achieved the intended learning outcomes of the course, enabling data-driven decision-making and curriculum refinement.

Handling OR Questions: For questions that offer multiple correct answers (OR questions), faculty members are instructed to leave the corresponding cell blank during mark entry. This ensures accuracy and consistency in grading practices, preventing inadvertent errors in mark allocation for such questions.

Institution Name* Department Programme Batch*

Section* Academic Year* Select Course* Subject

Exam*

Search...

< 1 >

Roll.No	Admission.No	Name	Que.No:1 mark:4	Que.No:2 mark:4	Que.No:3 mark:4	Que.No:4 mark:4	Que.No:5 mark:4	Que.No:6 mark:10	Que.No:7 mark:10
3	CLGERP4745	AAROMAL SREEJITH	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="3"/>	<input type="text" value="2"/>	<input type="text" value="1"/>	<input type="text" value="3"/>	<input type="text" value="2"/>
4	MPLYX7710	AARON DANIEL	<input type="text" value="0"/>	<input type="text" value="3"/>	<input type="text" value="4"/>	<input type="text" value="2"/>	<input type="text" value="4"/>	<input type="text" value="8"/>	<input type="text" value="7"/>
5	MPLYX7707	AARSHA	<input type="text" value="3"/>	<input type="text" value="1"/>	<input type="text" value="2"/>	<input type="text" value="4"/>	<input type="text" value="3"/>	<input type="text" value="3"/>	<input type="text" value="4"/>

Marks Entry Report

Within the exam management system, the "Marks Entry Report" option serves as a valuable tool for faculty members to verify the details of entered marks. This feature enables faculty to access comprehensive reports detailing the entered mark details, ensuring accuracy, transparency, and accountability in the assessment process.

CO Attainment Report

The CO attainment is being calculated in this option. In order to calculate the CO the details like the marks obtained for each questions, the total marks obtained for each CO is computed here. Later the percentage of marks obtained for each CO is computed. If the percentage is more than 50% (as per the defined attainment cutoff set) we put a 1, if its not attained its denoted by a hyphen (-). The total count of students who has attainment the above percentage is computed and is divided by the total number of students to obtain the attainment percentage. The level is attainment percentage is computed according to the settings given and the calculated level (ie Level 3, Level 2, Level 2, Level 0) is derived.

CO Attainment Report

Within the exam management system, the "CO Attainment Report" option facilitates the calculation and analysis of Course Outcome (CO) attainment. This feature computes CO attainment by aggregating marks obtained for each question, calculating the total marks achieved for each CO, and determining the percentage of marks attained. Based on defined attainment cutoffs, the report assigns a binary indicator (1 for attainment, "-" for non-attainment) for each CO, and subsequently calculates the attainment percentage and corresponding attainment level.

Key Processes:

Marks Aggregation: The CO Attainment Report aggregates marks obtained for each question associated with a specific CO. This process involves summing up the marks allocated to individual questions to calculate the total marks achieved for each CO by each student.

Percentage Calculation: After computing the total marks obtained for each CO, the report calculates the percentage of marks attained for each CO by dividing the total marks achieved by the maximum possible marks for that CO.

Attainment Determination: Based on defined attainment cutoffs, typically set at 50% or as per institutional guidelines, the report assigns a binary indicator (1 for attainment, "-" for non-attainment) for each CO. COs for which the percentage of marks attained exceeds the defined cutoff are marked as attained (1), while those below the cutoff are marked as non-attained ("-").

Attainment Percentage: The report then calculates the overall attainment percentage by dividing the total count of students who have attained the defined percentage for each CO by the total number of students in the cohort.

Attainment Level Derivation: Finally, based on the attainment percentage and predefined settings, the report derives the attainment level for the cohort. Attainment levels, such as Level 3, Level 2, Level 1, or Level 0, are assigned according to the specified attainment percentage thresholds.

In summary, the CO Attainment Report serves as a vital tool for assessing and analyzing students' achievement of course outcomes, providing valuable insights for educational stakeholders and supporting continuous improvement in teaching and learning practices.

Admission.No	Name	Que.No:1	Que.No:2	Que.No:3	Que.No:4	Que.No:5	Que.No:6	Que.No:7	Que.No:8	Que.No:9	C 204.1	C 204.2	C 204.3	C 204.4	Attainment	BCA Internal 1	Attainment	BCA Internal 1	Attainment	BCA Internal 1	Attainment	BCA Internal 1
		(BCA Internal 1, CO:C 204.4, Analyze, 4)	(BCA Internal 1, CO:C 204.1, Analyze, 4)	(BCA Internal 1, CO:C 204.3, Remember, 4)	(BCA Internal 1, CO:C 204.2, Analyze, 4)	(BCA Internal 1, CO:C 204.2, Remember, 4)	(BCA Internal 1, CO:C 204.1, Remember, 10)	(BCA Internal 1, CO:C 204.2, Remember, 10)	(BCA Internal 1, CO:C 204.2, Remember, 10)	(BCA Internal 1, CO:C 204.2, Remember, 10)	(BCA Internal 1, CO:C 204.2, Remember, 10)	(2+6) Marks:14	(4+5+7+8+9) Marks:38	-3 Marks:4	-1 Marks:4	C 204.1 Max(%) :30	Co:C 204.1(stud mark/exam mark)(%)	C 204.2 Max(%) :30	Co:C 204.2(stud mark/exam mark)(%)	C 204.3 Max(%) :30	Co:C 204.3(stud mark/exam mark)(%)	C 204.4 Max(%) :30
CLGERP4779	Adam Zayan	3	2	2	2	3	7	8	7	5	9	25	2	3	1	64.29	1	65.79	1	50	1	75
CLGERP4761	Adithya M	2	4	3	2	4	8	8	7	7	12	28	3	2	1	85.71	1	73.68	1	75	1	50
CLGERP4784	AHMED SANIL AL RAHMAN	3	4	4	2	3	7	8	7	8	11	28	4	3	1	78.57	1	73.68	1	100	1	75
CLGERP4745	AAROMAL SREEJITH	1	1	3	2	1	3	2	2	4	9	3	1	-	-	28.57	-	23.68	1	75	-	25
CLGERP4728	AAZMIN SABEER ALI	3	2	2	3	2	5	4	5	6	7	20	2	3	1	50	1	52.63	1	50	1	75
MPLYX7707	AARSHA RAMESH	3	1	2	4	3	3	4	3	6	4	20	2	3	-	28.57	1	52.63	1	50	1	75
MPLYX7709	AMAL SAJI	2	1	3	3	3	7	8	4	8	8	26	3	2	1	57.14	1	68.42	1	75	1	50
MPLYX7710	AARON DANIEL	0	3	4	2	4	8	7	3	9	11	25	4	0	1	78.57	1	65.79	1	100	-	25
MPLYX7715	ALLEN JOSE	4	3	3	4	4	8	9	9	8	11	34	3	4	1	78.57	1	89.47	1	75	1	100
MPLYX7718	AISHA NOURIN M A	4	3	2	3	2	8	8	4	6	11	23	2	4	1	78.57	1	60.53	1	50	1	100
MPLYX7780	AFSAL V N	3	0	1	2	3	5	9	5	7	5	26	1	3	1	35.71	1	68.42	-	25	1	75
MPLYX7797	AJMI T S	2	4	3	3	3	7	9	7	7	11	29	3	2	1	78.57	1	76.32	1	75	1	50
MPLYX7815	ABID NAJEEB	1	2	2	2	2	7	9	8	5	9	26	2	1	1	64.29	1	68.42	1	50	-	25
MPLYX7845	ABHIJITH P ANIL	2	1	4	3	2	4	5	6	9	5	25	4	2	1	35.71	1	65.79	1	100	1	50
CBERCL100	Ram	2	4	2	2	1	5	6	6	5	9	20	2	2	1	64.29	1	52.63	1	50	1	50
CBERCL101	Rahul	4	2	2	3	3	6	7	7	4	8	24	2	4	1	57.14	1	63.16	1	50	1	100
CBERCL102	Aswathi	2	1	3	4	3	4	8	8	7	5	30	3	2	1	35.71	1	78.95	1	75	1	50
CBERCL103	Swathy	3	2	2	3	2	6	5	5	9	8	24	2	3	1	57.14	1	63.16	1	50	1	75
CBERCL104	Jyothi	2	1	4	2	4	7	6	9	9	8	30	4	2	1	57.14	1	78.95	1	100	1	50
CBERCL105	Krishan C	1	4	1	2	1	8	7	9	5	12	24	1	1	1	85.71	1	63.16	-	25	-	25
CBERCL106	Ramkrishan	3	1	3	1	3	3	8	5	4	4	21	3	3	-	28.57	1	55.26	1	75	1	75
Attainment Total																18	20	19	17			

CO Exam Wise Attainment Report

Once the CO of each exam is computed, the CO Exam wise Attainment Report could be generated. The percentage values obtained from the CO Attainment report is used to derive the levels the students and according to the weightage of examination, the values of the CO exam wise attainment report can be generated.

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Course Outcome Exam Wise Attainment Report (Data Structures - 2022-23)

Department : Dept Of Computer Applications Programme : BCA Class : BCA SEM 2 Section : Sem 3

Assessment Tool	C 204.1	C 204.2	C 204.3	C 204.4	C 204.5
BCA Internal 1	3	3	3	3	0
BCA University	0	0	3	3	0
University 2	3	3	3	0	0
Assignment 2	3	3	0	0	3
Internal Attainment	3	3	3	3	3
University Attainment	3	3	3	3	0

PO Attainment Report

Once the final CO attainment is being obtained these values are being plotted to this report to obtain the PO values. The mapped valued values of the CO – PO is taken and its average is computed. The PO attainment is being computed taking into consideration the final CO attainment and the avg of the CO – PO values. The average of sum products of these two are being taken to compute the PO attainment of each PO.

PO Attainment Report (Data Structures - 2022-23)												
Department : Dept Of Computer Applications			Programme : BCA									
Course Outcome	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 9	PO 10	PO 11	PO 12	Final CO Attainment
C 204.1	-	2	-	-	-	-	-	-	1	1	-	3
C 204.2	-	-	2	-	3	-	-	-	-	2	-	3
C 204.3	2	-	-	-	2	-	1	-	-	-	3	3
C 204.4	-	-	-	3	-	1	-	-	3	1	-	3
C 204.5	2	2	-	-	-	-	-	1	-	-	-	0
PO mapped(C 204)	2	2	2	3	2.5	1	1	1	2	1.33	3	
PO Attainment	1	1	2	3	2.5	1	1	0	2	1.33	3	

Avg: 1.05

Final PO Attainment

Inorder to obtain the final PO attainment weightages has to be provided for the Direct & Indirect Attainment processes.

PO Direct Attainment - The PO direct attainment is obtained taking into consideration the marks the students have scored.

PO Indirect Attainment - The PO indirect attainment is obtained taking into consideration the surveys conducted. The surveys could be of various types like Programme Exit Surveys, Industrial Survey etc

According to the relevant percentage set the Final PO Attainment is being obtained.

PO Final Attainment Report (- 2022-23)												
Department : Dept Of Computer Applications			Programme : BCA									
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
PO Direct Attainment	1	1	2	3	2.5	1	1	0	0	2	1.33	3
PO Indirect Attainment	0.05435	0.01087	0	0.01087	0.02174	0.02174	0.02174	0.04348	0.02174	0	0	0
PO Final Attainment	0.81087	0.80217	1.6	2.40217	2.00435	0.80435	0.80435	0.0087	0.00435	1.6	1.064	2.4

PO Analysis

In the PO analysis the CO attainment, CO Mapping and the Course – PO attainment of all the courses is being obtained. This report provides a detailed analysis of all the courses under a Programme.

CO Attainment						
Course	Class & Section	CO1	CO2	CO3	CO4	CO5

18PGCFC103 - Quantitative Techniques1469	M.Com. (F & C)-SEM 1	3	3	3	3	3
18PGCFC101 - Advanced Financial Accounting1467	M.Com. (F & C)-SEM 1	3	3	3	3	3
18PGCFE101 - Financial Markets and Institutions1455	M.Com. (F & C)-SEM 1	3	3	3	3	3

Course PO Attainment

Course	Class & Section	PO1	PO2	PO3	PO4	PO5
18PGCFC103 - Quantitative Techniques	M.Com. (F & C)-SEM 1	1.8	1.6	1.6	2	1.6
18PGCFC101 - Advanced Financial Accounting	M.Com. (F & C)-SEM 1	1.8	2	1.8	1.8	1.8
18PGCFE101 - Financial Markets and Institutions	M.Com. (F & C)-SEM 1	1.6	2.2	2	2.2	1.6

PO Mapping

Course	Class & Section	PO1	PO2	PO3	PO4	PO5
18PGCFC103 - Quantitative Techniques	M.Com. (F & C)-SEM 1	2	1.6	1.6	2	1.6
18PGCFC101 - Advanced Financial Accounting	M.Com. (F & C)-SEM 1	1.8	2	1.8	1.8	1.8
18PGCFE101 - Financial Markets and Institutions	M.Com. (F & C)-SEM 1	1.5	2.2	2	2	1.6

PO Attainment

PO1	PO2	PO3	PO4	PO5
88.89	89.13	88.37	85.71	85.71

Attainment Analysis

Brighter Students

As an analysis process the list of brighter students for each examination or assessment is being obtained from the below report. The report is produced as per the brighter cutoff defined in the settings.

Brighter Students Analysis Report: Recognizing Academic Excellence

In the exam management system, the "Brighter Students Analysis Report" identifies and highlights students who demonstrate exceptional academic performance based on predefined criteria. This report generates a list of brighter students for each examination or assessment, utilizing the brighter cutoff defined in the system settings to distinguish high achievers.


Key Components:

Brighter Cutoff Definition: The Brighter Students Analysis Report utilizes a predefined brighter cutoff set in the system settings. This cutoff represents the threshold of academic excellence against which student performance is evaluated.

Performance Assessment: The report evaluates student performance in each examination or assessment based on predefined criteria, such as marks obtained, percentage achieved, or attainment levels reached.

Identification of Brighter Students: Students who meet or exceed the defined brighter cutoff are identified as brighter students within the report. These individuals are recognized for their exceptional academic achievements and outstanding performance in the assessment.

List Generation: The report generates a comprehensive list of brighter students for each examination or assessment, providing details such as student names, examination dates, marks obtained, and any additional relevant information.

 Brighter Students

Q Select Criteria

Institution Name* CB ERP DEMO COL... Department Select Department Programme Select Batch* BCA SEM 2 Section* Sem 3

Academic Year * 2022-23 Select Course* SELECT Exam * BCA Internal 1 Search Click here to change brighter cutoff

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Brighter Students (Data Structures - 2022-23)

Department : Dept Of Computer Applications Programme : BCA Class : BCA SEM 2 Section : Sem 3

Roll.No	Admission.No	Name	BCA Internal 1(Marks)	BCA Internal 1(%)
15	MPLYX7715	ALLEN JOSE	52	86.67

Weaker Students Analysis Report

In the exam management system, the "Weaker Students Analysis Report" identifies students who may require additional support and intervention based on predefined criteria for academic performance. This report generates a list of weaker students for each assessment, utilizing the weaker cutoff defined in the system settings to identify individuals who may benefit from targeted assistance.

Key Components:

- Weaker Cutoff Definition:** The Weaker Students Analysis Report relies on a predefined weaker cutoff established in the system settings. This cutoff serves as a threshold for identifying students who may be struggling academically and in need of additional support.
- Performance Assessment:** Student performance in each assessment is evaluated against predefined criteria, such as marks obtained, percentage achieved, or attainment levels reached. This assessment helps identify students whose performance falls below the defined weaker cutoff.
- Identification of Weaker Students:** Students who fail to meet the defined weaker cutoff are identified as weaker students within the report. These individuals may exhibit challenges or difficulties in mastering the course material and may require additional assistance to improve their academic performance.
- List Generation:** The report generates a comprehensive list of weaker students for each assessment, providing details such as student names, examination dates, marks obtained, and any relevant information regarding areas of weakness or academic struggles.

+ Weaker Students

Q Select Criteria

Institution Name*	Department	Programme	Batch*	Section*
CB ERP DEMO COL...	Select Department	Select	BCA SEM 2	Sem 3
Academic Year *	Select Course*	Exam *		
2022-23	SELECT	BCA Internal 1	Click here to change weaker cutoff	

Search

Excel Print

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Students (Data Structures - 2022-23)

Department : Dept Of Computer Applications Programme : BCA Class : BCA SEM 2 Section : Sem 3

Roll.No	Admission.No	Name	BCA Internal 1(Marks)	BCA Internal 1(%)
3	CLGERP4745	AAROMAL SREEJITH	17	28.33

Student Categories Classification

In the exam management system, students are classified into various groups based on their academic performance to facilitate targeted support and analysis. This classification enables educators and administrators to identify trends, assess student achievement, and implement interventions tailored to specific needs.

Key Categories:

- 1. More than 80%:** Students who have secured more than 80% of the total marks in their assessments are classified into this category. These students demonstrate exceptional academic performance and may be recognized as high achievers.
- 2. 60% to 80%:** Students falling within this range have achieved moderate to good academic performance, obtaining between 60% and 80% of the total marks in their assessments.
- 3. 50% to 60%:** Students in this category have achieved a satisfactory level of academic performance, obtaining between 50% and 60% of the total marks in their assessments.
- 4. Less than 50%:** Students who have scored less than 50% of the total marks in their assessments are categorized in this group. These students may require additional support and intervention to improve their academic performance.

Q Select Criteria					
Institution Name*	Department	Programme	Academic Year *	Batch*	
CB ERP DEMO COL...	Select Department	BCA	2022-23	BCA SEM 2	
Section*	Select Course*	Q Search			
Sem 3	Data Structures				

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Student Categories (Data Structures - 2022-23)

Department : Dept Of Computer Applications Programme : BCA Class : BCA SEM 2 Section : Sem 3

Sl.No		>=80%	>=60% and < 80%	>=50% and < 60%	< 50%
1	BCA Internal 1	1	14	4	2
2	BCA University	2	9	6	4
3	University 2	9	7	1	4
4	Assignment 2	-	15	4	2

Student Profile Management in CareerBook ERP: Comprehensive Student Record Keeping

CareerBook ERP maintains a detailed student profile to provide a holistic view of various student activities, achievements, and milestones. The system captures a wide range of information, including personal details, academic accomplishments, extracurricular activities, and professional experiences, enabling educators and administrators to monitor student progress and support their academic and career development effectively.

Key Components of Student Profile:

1. **Detailed Student Profile:** The system maintains a comprehensive profile of each student, including personal information, contact details, academic history, and demographic data. This serves as a central repository of student records for administrative and academic purposes.
2. **Certificates Issued:** CareerBook ERP records all certificates issued to students, including academic awards, participation certificates, and achievement recognitions. This helps track students' accomplishments and facilitates credential verification for academic and employment purposes.
3. **Academic Project Details:** The system captures information related to students' academic projects, including project titles, descriptions, objectives, methodologies, and outcomes. This allows educators to assess students' research and analytical skills and monitor progress on project-based learning initiatives.
4. **Snippets:** CareerBook ERP stores snippets of student achievements, such as notable accomplishments, honors, awards, and special recognitions. These snippets provide a snapshot of students' achievements and contributions to the academic community.
5. **Portfolio:** Students can create and maintain digital portfolios showcasing their academic work, projects, presentations, publications, and extracurricular activities. This portfolio serves as a dynamic showcase of students' skills, experiences, and accomplishments for academic and professional purposes.
6. **Placement Details:** The system tracks students' placement and career outcomes, including internship placements, job offers, employment history, and career progression. This information helps assess the effectiveness of career services and internship programs and supports alumni tracking and engagement efforts.
7. **Self-Study Course Details:** CareerBook ERP records details of self-study courses undertaken by students, including course titles, descriptions, completion dates, and learning outcomes. This allows students to supplement their academic coursework with self-directed learning experiences and track their personal and professional development.
8. **Internship:** Students' internship experiences are documented in the system, including internship placements, organization details, project assignments, supervisors' feedback, and internship evaluations. This information helps assess students' practical skills and industry readiness and supports internship program management and evaluation.

9. **Research:** CareerBook ERP records students' involvement in research activities, including research projects, publications, conference presentations, and collaborations with faculty mentors. This highlights students' contributions to knowledge creation and scholarly inquiry and supports research program assessment and evaluation.
10. **Remedial Programs:** Details of any remedial programs or interventions undertaken by students to address academic challenges or learning difficulties are documented in the system. This includes participation in tutoring sessions, academic support workshops, and specialized interventions aimed at improving student academic performance.

Faculty Profile Management in CareerBook ERP

In CareerBook ERP, the Faculty Profile module serves as a comprehensive platform for maintaining detailed records of faculty members, enabling effective management of their professional development, achievements, and contributions. This module captures various facets of faculty activities, providing valuable insights for administrative decision-making and faculty support initiatives.

Key Components of Faculty Profile:

1. **Detailed Faculty Profile:** The system maintains a comprehensive profile for each faculty member, encompassing personal information, academic credentials, professional experience, teaching interests, and research areas. This serves as a centralized repository for faculty records and facilitates efficient management of faculty data.
2. **Attendance and Punch Ins:** CareerBook ERP tracks faculty attendance and punch-ins, providing administrators with real-time visibility into faculty availability and work hours. This helps ensure compliance with institutional policies and supports effective scheduling and resource allocation.
3. **Achievements:** Faculty achievements, including awards, honors, grants, publications, presentations, and professional affiliations, are documented in the system. This highlights faculty contributions to their respective fields and supports recognition and appreciation initiatives.
4. **Feedbacks:** Feedback from students, peers, and administrators is collected and stored in the system to assess faculty performance and effectiveness. This feedback provides valuable insights for faculty development and improvement initiatives.
5. **Syllabus Coverage:** Faculty members record syllabus coverage details, including topics taught, instructional materials used, and assessment methods employed. This helps ensure alignment with curriculum standards and supports quality assurance in teaching and learning processes.
6. **Activity Logs:** Faculty activity logs capture details of teaching, research, service, and professional development activities undertaken by faculty members. This includes class hours, research projects, committee participation, workshops attended, and other scholarly endeavors.
7. **Timetable:** The system generates and maintains faculty timetables, outlining class schedules, office hours, meetings, and other academic commitments. This ensures efficient utilization of faculty time and resources and supports effective academic planning and delivery.

8. **Leave Application:** Faculty members can submit leave applications through the system, specifying leave types, durations, and reasons. This streamlines the leave management process and facilitates coordination between faculty members and administrators.
9. **Resource Person:** Faculty members may serve as resource persons for workshops, seminars, conferences, and other academic events. The system records details of faculty engagements as resource persons, including event titles, dates, topics, and participant feedback.
10. **Appraisal:** CareerBook ERP facilitates faculty appraisal processes, allowing administrators to assess faculty performance, set goals, provide feedback, and conduct performance evaluations. This supports faculty development and accountability and informs promotion and tenure decisions.

Mentor Allocation

After the attainment analysis the students are being classified into various categories and the students who require special attention can be allocated to Mentors. The mentor allocation module helps the institutions to perform the following activities.

1. Allocate students to the mentors
2. Mentors can analyze the students by adding their Strengths, Weakness, Opportunities, Challenges
3. Update Meeting record
4. Take Mentee Reports
5. Update the Mentor Diary

Mentor Allocation Module: Enhancing Student Support and Development

In educational institutions, analyzing student attainment is crucial for understanding their academic progress and identifying those who require additional support. To facilitate this process, students are classified into various categories based on their performance. The mentor allocation module is a powerful tool designed to support this effort, allowing institutions to allocate students who need special attention to dedicated mentors. This module offers a range of functionalities aimed at enhancing student support and development.

Key Features of the Mentor Allocation Module

Allocate Students to Mentors

The primary function of the module is to assign students to mentors efficiently. Based on the attainment analysis, students who need special attention can be easily matched with mentors who can provide the necessary guidance and support. This ensures that each student receives personalized attention to address their specific needs.

Analyze Students Using SWOT Framework

Mentors can perform a comprehensive analysis of each student by adding details about their Strengths, Weaknesses, Opportunities, and Challenges (SWOT). This framework helps in understanding the unique profile of each student, allowing mentors to tailor their guidance strategies effectively.

Update Meeting Records

The module provides a feature to log and update meeting records. Mentors can document the details of each meeting with their mentees, including topics discussed, action items, and follow-up plans. This ensures that there is a clear record of the mentorship process, facilitating continuous improvement and accountability.

Generate Mentee Reports

Mentee reports can be generated to provide a summary of the student's progress, challenges, and achievements over a period. These reports can be useful for parents, educators, and the students themselves to track progress and make informed decisions about future actions.

Update the Mentor Diary

Mentors can maintain a diary within the module to record their observations, reflections, and any significant events related to their mentoring activities. This diary helps mentors keep track of their experiences and provides valuable insights for future reference.

Benefits of the Mentor Allocation Module

Personalized Student Support: By allocating mentors based on specific student needs, the module ensures that each student receives the attention and guidance necessary for their academic and personal growth.

Efficient Mentorship Management: The structured approach to recording meetings and maintaining a diary helps mentors manage their responsibilities more effectively.

Enhanced Communication: The ability to generate detailed reports and analyze student profiles fosters better communication between students, mentors, and other stakeholders.

Data-Driven Decisions: The comprehensive analysis and documentation features enable data-driven decisions, helping institutions improve their mentoring programs continuously.

In summary, the mentor allocation module is an essential tool for educational institutions aiming to provide tailored support to their students. By leveraging this module, institutions can ensure that every student receives the guidance they need to succeed, thereby fostering a supportive and productive learning environment.

Case Study Management System

The Case Study Management System within the CareerBook ERP provides a structured framework for faculty mentors to document and track student progress, address issues, and implement effective interventions. This system streamlines the mentorship process, ensuring that students receive personalized support and guidance to thrive academically and professionally.

Steps to be Followed:

1. **Assignment of Students:** Students assigned to faculty mentors through the Mentor Module are automatically populated in the Case Study Management System. This ensures that mentors have access to relevant student information and can effectively monitor their mentees' progress.
2. **Add Case Study Summary:** Faculty mentors have the option to add case study summaries detailing the specific challenges, concerns, or issues faced by their mentees. This summary serves as a comprehensive record of the mentorship process and provides context for subsequent actions and interventions.
3. **Issue Resolved:** Mentors document the specific issue or challenge faced by the student mentee, providing a detailed description of the problem and its impact on academic or personal development.
4. **Action Taken:** Mentors outline the action taken to address the identified issue or challenge, including interventions, support services, referrals, or academic accommodations provided to the student.
5. **Result:** Mentors document the outcome or result of the actions taken, including improvements in student performance, resolution of issues, or ongoing challenges that may require further intervention.
6. **Follow Up:** Mentors indicate any follow-up actions or ongoing support provided to the student, ensuring continuity of care and monitoring of student progress over time.
7. **Other Information:** Additional information, such as student feedback, mentor observations, or external referrals, may be recorded in this section to provide a comprehensive overview of the mentorship process.
8. **Print Option:** Faculty mentors have the option to print case study summaries for documentation, review, or sharing with relevant stakeholders, ensuring transparency and accountability in the mentorship process.

St. Joseph's College for Women

Software for Examination Department

by

Jaymas Software Solutions

Hyderabad



St. Joseph's College for Women (AUTONOMOUS)

Login

User Name : admin

Password : password

Invalid User Form :




St. Joseph's College for Women (AUTONOMOUS)

Login

• Invalid username or password

On Successful Login - Data Entry Form will be displayed with an option for Marks Entry ,Reports and Logout

 **St. Joseph's College for Women** (Autonomous)
NAAC ACCREDITED COLLEGE WITH 'A' GRADE

[Data Entry](#) [Marks Entry](#) [Reports](#) [Logout](#)

Data Entry

[Students](#)

[Universities](#)

[Subjects](#)

[Academic Years](#)

[Subjects in Groups](#)

[Mediums](#)

[Optional Subjects Selection](#)

[Programs](#)

[Groups](#)

[Group Categories](#)

[Courses](#)

[Subject Categories](#)

[Departments](#)

[Extra Credit Types](#)

[Student Photos](#)

[Extra Credits Entry](#)

SECTION - 1 :: DATA ENTRY

Link -1 :: Universities

Used to View the added Universities, Add New University, Edit the existing University details and to delete the University

Link-2 :: Academic Years

To view the added Academic Years , Add New Academic Year, Edit the existing Academic Year and to Delete the Academic Year

Form Fields : Academic Year Name , Academic Year Code

Link-3:: Mediums

To View the added Mediums, Add New Medium, Edit and to Delete an existing Medium

Form Fields : Medium Name

Link-4:: Programs

To View the added Programs, Add New Program, Edit and to Delete an existing Program

Form Fields : Program Name

Link-5:: Group Categories

To View the added Group Categories, Add New Group Category, Edit and to Delete an existing Group Category

Form Fields : Group Category Name

Link-6:: Subject Categories

To View the added Subject Categories, Add New Subject Category, Edit and to Delete an existing Subject Category

Form Fields : Subject Category Name

Link-7:: Extra Credit Types

Actions : Add, Edit, Delete & View

Form Fields : Extra Credit Type name

Link-8:: Courses

Actions : Add, Edit, Delete & View

Form Fields : Course Name

Link-9:: Departments

Actions : Add, Edit, Delete & View

Form Fields : Department Name

Link-10:: Groups

Actions : Add, Edit, Delete & View

Form Fields : Group Name, Group Full Name, No of Semesters, Program, Group Category, Course, Medium



Groups

Academic Year: 2015 - 2018 (15AC) -

Group Name	Group Full Name	No. of semesters	Program	GroupCategory	Course	Medium	Options	
EPO	English Literature - Psychology - Office Management	6	Graduation	Arts	BA	ENGLISH	Edit	Delete
EEP	English Literature - Economics - Political Science	6	Graduation	Arts	BA	ENGLISH	Edit	Delete
HEP	History - Economics - Political Science	6	Graduation	Arts	BA	TELUGU	Edit	Delete
EPJM	English Literature - Psychology - Journalism & Mass Communication	6	Graduation	Arts	BA	ENGLISH	Edit	Delete

Link-11:: Subjects

Form Fields : Subject Code, Print Code, Subject Name, Credits, Department, Subject Category, CA Max Marks, CA Pass Percentage, ESE Max Marks , ESE Pass Percentage

Link-12:: Subjects in Groups

Link-13:: Optional Subject Selection

Link-14:: Students

Link-15:: Student Photos

Link-16:: Extra Credits Entry for Student

SECTION - 2 :: MARKS ENTRY

Marks Entry - St. Joseph's College

localhost/ndhru/MarkEntry

Most Visited: St. Joseph's College fe...

St. Joseph's College for Women (Autonomous)
NAAC ACCREDITED COLLEGE WITH 'A' GRADE

[Data Entry](#) [Marks Entry](#) [Reports](#) [Logout](#)

Marks Entry

Student RegNo: Semester:

Academic Year: 2016 - 2019 (16AD) University: ANDHRA UNIVERSITY
RegNo: 16AD201 Student Name: POLIPIREDDY ANUSHA
Group: EPO Semester: 1

Sl. No	Part	Subject	Total Max Marks	CA Max Marks	Est. Max Marks	Pass Marks	Est. Pass Marks	CA Secured Marks	Est. Secured Marks	Total Secured Marks	Percentage	Result	Grade	Grade Points	Credits	Credit Points Secured	More than one attempt
1	I	Higher English (LE 1011)	100	40	60	35	21	31	33	64	64.00 %	Pass	B	3	3	9	
2	I	French (LF 1004)	100	40	60	35	21	34	38	72	72.00 %	Pass	B	3	3	9	
3	I	Value Education (VE 1001)	50	20	30	18	11	15	18	33	66.00 %	Pass	B	3	2	6	
4	I	Commn&Soft Skills - I (CSS 1001)	50	20	30	18	11	16	17	33	66.00 %	Pass	B	3	2	6	
5	II	Elizabethan & Miltonic Age (ELL 1205)	100	40	60	35	21	26	40	66	66.00 %	Pass	B	3	4	12	

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SECTION - 3 :: REPORTS

1. Continuous Assessment Marks Statement
2. Examination Attendance Sheet
3. Statement of Marks
4. Consolidated Memorandum of Marks
5. Hall Ticket
6. Subject-wise Marks Report
7. Result Report
8. Proforma-1 Report
9. Statistics Report
10. Statistics Report (Caste Category wise)
11. Statistics Report (Religion wise)
12. Rank List report (Group wise)

- 13. Rank List Report (subject wise)
- 14. Supplementary List Report
- 15. Instant List Report
- 16. Hitech Degree Certificates Report
- 17. Provisional Certificate In Progress
- 18. Cumulative Marks List In Progress

Extra Reports Generated based on Client Requirement:

- 1. Hall Ticket
- 2. Statistics (Caste Category wise)
- 3. Statistics (Religion wise)
- 4. Rank List (Subject wise)
- 5. Different Grades for Physically Handicapped Students (This is not only the report. Business Logics also implements for the Handicapped Students)

Sample Screen Shots

Reports - St. Joseph's College f...
localhost / Admin/Reports

St. Joseph's College for Women (Autonomous)
NAAC ACCREDITED COLLEGE WITH 'A' GRADE

Data Entry Marks Entry Reports Logout

Reports

Continous Assesment Marks Statement	Statistics Report
Examination Attendance Sheet	Statistics Report (Caste Category wise)
Statement of Marks	Statistics Report (Religion wise)
Consolidated Memorandum of Marks	Rank List Report (Group wise)
Hall Ticket	Rank List Report (Subject wise)
Subjectwise Marks Report	Supplementary List Report
Result Report	Instant List Report
Proforma-1 Report	Hitech Degree Certificates Report

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1/23/2017

Report - 1 :: Continuous Assessment Marks Statement

Continuous Assesment Marks St...
localhost / Admin/ContinuousAssesmentMarksStatement

St. Joseph's College for Women (Autonomous)
NAAC ACCREDITED COLLEGE WITH 'A' GRADE

Data Entry Marks Entry Reports Logout

Continous Assesment Marks Statement

Month:

Year:

University:

Academic Year:

Department:

Group:

Semester:

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1/23/2017



ST. JOSEPH'S COLLEGE FOR WOMEN (AUTONOMOUS), VISAKHAPATNAM
(AFFILIATED TO ANDHRA UNIVERSITY)
CONTINUOUS ASSESSMENT MARKS STATEMENT
MONTH: April 2017

ACADEMIC YEAR: 2016 - 2019 (16AD)
GROUP: EPO

DEPARTMENT: Computer Science
SEMESTER: 1

REG NO	Name of the Candidate	Type of Assessment				Total Marks
16AD201	POLIPIREDDY ANUSHA					
16AD202	SURAKALA ANUSHA					
16AD203	MUKHERJEE APARNA ASHISHKUMAR					

Report - 2 Statement of Marks

Report - 3 Hitech Degree Certificates Report



ST. JOSEPH'S COLLEGE FOR WOMEN (AUTONOMOUS), VISAKHAPATNAM
(AFFILIATED TO ANDHRA UNIVERSITY)
Statement for Preparation of Hitech Degree Certificates

Batch: 2015 - 2018 (15AC)
Group: EPO

Semester: 1

Reg No	Name	Father Name	Mother Name	Part 1 MY	Part 1 Class	Part 2 MY	Part 2 Class	Second Language	Gen. Elective	Paper 1	Paper 2	Paper 3
15AC101	ANAGHA DATTA NADENDLA	NADENDLA GOPAL RAO	NADENDLA PRAVEENA	March 2018	-	March 2018	First Class	French	Commn & Soft Skills - I	Victorian & Modern Age	General Psychology - I	Mgt. Principles & Practice
15AC102	ANANYA DASGUPTA	KOUSTAB DASGUPTA	ANJANA DASGUPTA	March 2018	Third Class	March 2018	First Class	French	Commn & Soft Skills - I	Victorian & Modern Age	General Psychology - I	Mgt. Principles & Practice
15AC103	YALAMANCHILI ANGELEENA	YALAMANCHILI NARAYANA MURTHY	YALAMANCHILI NEERAJA KUMARI	March 2018	-	March 2018	First Class	French	Commn & Soft Skills - I	Victorian & Modern Age	General Psychology - I	Mgt. Principles & Practice
15AC104	VASUPALLI APARNA	VASUPALLI RAJU	VASUPALLI DEVI	March 2018	-	March 2018	Third Class	French	Commn & Soft Skills - I	Victorian & Modern Age	General Psychology - I	Mgt. Principles & Practice

Consolidated Memorandum of Marks



ANDHRA UNIVERSITY
ST. JOSEPH'S COLLEGE FOR WOMEN (AUTONOMOUS), VISAKHAPATNAM
NAAC REACCREDITED WITH 'A' GRADE



BA Degree Consolidated Memorandum of Marks / Transcript
(Internal : External Evaluation Ratio = 40 : 60)

Roll No	Name of the Candidate	Group	II Language	Period of Study
15AC101	ANAGHA DATTA NADENDLA	EPO	French	2015 - 2018 (15AC)

SEMESTER I								SEMESTER II							
Part	Subject	CA	ESE	TOT	MAX	G	CR	Part	Subject	CA	ESE	TOT	MAX	G	CR
I	Advanced English	37	41	78	100	A	3	I	Advanced English	28	44	72	100	B	3
I	French	33	21	54	100	C	3	I	French	28	31	59	100	C	3
I	Value Education	16	22	38	50	A	2	I	Citizenship Education	16	20	36	50	B	2
I	Commn & Soft Skills - I	16	19	35	50	B	2	I	Commn& Soft Skills - II	15	20	35	50	B	2
II	Victorian & Modern Age	35	34	69	100	B	4	II	Neo Clas.& Rom. Age	33	31	64	100	B	4
II	General Psychology - I	37	32	69	100	B	4	II	General Psychology - II	37	36	73	100	B	4
II	Mgt. Principles & Practice	35	35	70	100	B	4	II	Office Organization	38	34	72	100	B	4

SEMESTER III								SEMESTER IV							
Part	Subject	CA	ESE	TOT	MAX	G	CR	Part	Subject	CA	ESE	TOT	MAX	G	CR
I	Advanced English	38	31	69	100	B	3	I	Commn & Soft Skills - III	10	18	28	50	C	2
I	French	32	39	71	100	B	3	I	Information&Commn Technology-II	12	19	31	50	B	2

Part I :	Month & Year March 2017	Total Marks Secured 796 / 3850	Class Awarded -
Part II :	April 2017	1696 / 2650	First Class
C.G.P.A :	2.90	Total Credits Secured: 130	Extra Credits: Att: 2.00 Val. Ed: 2.00 NCC: 2.00 Others: 1.00

PRINCIPAL

Controller of Examinations

Hall Ticket



ST. JOSEPH'S COLLEGE FOR WOMEN (AUTONOMOUS), VISAKHAPATNAM
 (AFFILIATED TO ANDHRA UNIVERSITY)
 END SEMESTER HALLTICKET
 BA Degree Examinations January 2017

Name of the Candidate: **ANAGHA DATTA NADENDLA**
 Father Name: **NADENDLA GOPAL RAO**
 Semester: **I**
 Course: **EPO**

Reg No: **15AC101**

Supplementary details:

Semester I	Semester II	Semester III	Semester IV	Semester V	Semester VI

Signature of the Principal



Statistics Report

ST. JOSEPH'S COLLEGE FOR WOMEN (A), VISAKHAPATNAM**I SEMESTER STATISTICS FOR '15AC' Batch, January, 2016**

Group	Appeared	Passed	Failed	Pass %
MPCSC	57	46	11	80.70
EPO	30	25	5	83.33
EEP	4	3	1	75.00
HEP	7	7	0	100.00
EPJM	32	31	1	96.88
CEM	12	7	5	58.33
BBA	27	22	5	81.48
BCom	48	47	1	97.92
MPC	55	45	10	81.82
MEC	41	25	16	60.98
BBC	38	34	4	89.47
CBZ	54	53	1	98.15
Home Science	39	24	15	61.54
MSCSc	0	0	0	0.00
Total	444	369	75	83.11





VolkSoft Technologies – A Brief Profile

VolkSoft Technologies Private Limited
3rd Floor, Ritesh Premier Towers, #171, Kakaguda, Vasavi Nagar Main Road
Secunderabad – 500 015, Andhra Pradesh, INDIA

Website: <http://www.volksofttech.com>

Email: info@volkssofttech.com

Tel: +91(40)65227084 Fax: +91(40)66320062



VolkSoft Technologies – A Brief Profile

VolkSoft Technologies Private Limited is a software development and technology services company based in Hyderabad, India. Founded in 2002 by a group of highly experienced software professionals, VolkSoft Technologies has built a solid reputation in the area of product development and services.

The company has used its internal resources to chart a steady growth from just five members and no clients, to over fifty members, several products & services, over 400 accounts, and three branch offices – Mumbai, Nagpur and Vijayawada.

VolkSoft Technologies is promoted by a team of five professionals with several years of experience in diverse domains such as real-time trading systems for Stock Markets, Education, Medicare and Manufacturing.

This team has, in the past, delivered large real-time fault-tolerant systems, client/server and multi-tier systems handling humongous data volumes in some of the most mission-critical areas.

Each of the promoter-directors has between ten to fourteen years of hands-on experience managing large teams, delivering end to end solutions in several domain areas, and on diverse technology platforms.

A unique strength is the fact that the founders had worked closely together for over seven years before deciding to float a company of their own. This contributes a tremendous level of understanding, teamwork and unity of purpose that are very important to the long-term growth prospects of any company.

Another important strength is their complementary skills in technology, human resource management, quality assurance, marketing and administration.

VolkSoft Technologies has its head office in Hyderabad, Andhra Pradesh, and has all the advantages of being in the middle of one of the fastest growing software development centers worldwide.

With marketing and technical support teams situated in various cities in the state as well as outside, VolkSoft Technologies is able to provide its customers with onsite training as well as 24/7 technical assistance.

The company presently has 45-50 employees on its rolls, of which 50% are from a technical background



Ongoing Projects/ Products

Below is a representative list of projects (at various stages) that we are currently involved in:

- In partnership with a Kuwait-based company, building a rich multi-lingual web portal for educational institutions in GCC countries. The portal provides functionality for students, parents, staff and administration by integrating with ERP backend at each institution. The site also provides comprehensive social networking features.
- On-line system for assessment and certification of fire safety for a US client. The system is live and in use recording inspection information across several sites in the US
- Automation of over 100 Learning Centers across the state of Andhra Pradesh with client/server architecture and database replication -based solution supporting web-based MIS for one of the largest and most reputed educational institutions in the state.
- GIS/GPS-based Vehicle Tracking solution with real-time communications and third-party hardware integration for US-based client
- Web-based School Administration Automation system for schools in the US (with K-12 integration) in use at 6 schools
- Extending an existing banking solution to support Any Branch Banking / ATMs for a co-operative bank in India
- Property Management System for US-based client
- Point-of-Sale & Check Processing software for US-based client
- Browser add-ons and website for US-based client
- Proprietary Stock Research & Analysis with site-scraping for US-based client
- Internet-based lab management system integrating over 100 satellite labs across the country for NCMSL (National Collateral Management Services Limited, India)
- Web-based MIS system for Directorate of Technical Education, AP State Government
- Common Entrance Exam for Polytechnics (CEEP) 2007-08 on-line Application Form and Hall Ticket generation system with interface to AP On-line and other large systems
- Internet-based trading solution for Indian stock exchanges

Research & Development

Our biggest asset is our development team. With extensive experience in diverse domains such as Financial & Stock Markets, Education, small/ medium Business Automation, Medicare, Manufacturing, etc., we have all the resources necessary to assist our customers throughout the development and deployment cycle of even the most complex projects.



Our R&D team is constantly striving to make our products and services best of breed, making effective use of state of the art technology and building optimal solutions that deliver far beyond the customer's brief.

Value is added at every stage, be it at the analysis and design level, user interface level, in the process workflow, on-line documentation, or in the implementation and support that we provide on-site.

Development platforms, tools and technologies

Currently VolkSoft Technologies delivers solutions on the following platforms, tools and technologies:

Operating Systems
Windows (2000/XP/NT)
Linux
Development Platforms
JEE / Hibernate / Web Services
Microsoft .NET
PHP / Joomla
Flex / AIR (rich client)
TIBCO / GI (rich client)
Programming Languages
Java Enterprise
C#.NET
Borland Delphi
C/C++
Qt Toolkit (C++) for cross-platform development
Visual Basic (legacy)
RDBMS
MS SQL Server
IBM DB2
PostgreSQL
Oracle
MySQL
Desktop Databases
All X-base flavours
MS-Access
Protocols / APIs / Middle Tier / Networking / Other
Sockets
Telephony
FIX
Web Services, RIAs (Rich Internet Applications), I18N, L10N
Internet Servers
Apache/Tomcat
IIS
WebLogic



WebSphere
Web Design / Animation / 3D
Adobe Photoshop / Illustrator / Flash
Blender
Maya

Quality Assurance

With its stringent In-house Quality Assurance Program, VolkSoft Technologies ensures that all end-user requirements are met without any compromise whatsoever.

VolkSoft Technologies has designed and developed its own internal workflow management software, and uses it to track the progress of all its marketing & development efforts.

This fully integrated system provides the following features:

- Complete software development life-cycle management
- Bug tracking & comprehensive test-cases database
- Support & Assistance database
- Marketing & Prospects database

By following industry-standard development and testing methodologies, VolkSoft Technologies is able to ensure very high levels of quality with minimum scope for errors and bugs to creep into final product releases.

Products & Services

Enterprise Resource Planning

VolkSoft's state-of-the-art ERP solution for small- and mid-size industries is fast maturing into a solid, cost-effective solution in the local manufacturing industries segment. Using the latest .NET technologies and fully Internet-ready, the ERP system is set to revolutionize the market with its innovative features and exceptional ease of use.

Salient features include:

- Delivery and Logistics
- HR and Payroll modules; biometric (fingerprint identification)/swipe card attendance module, movement register, payslips, user-defined allowances, deductions, formulae
- Finance, Accounting, Budgeting, Costing, MIS reporting
- Quality Control
- Maintenance
- Inventory & Warehouse Management



- Purchase Management
- Scheduling
- Internet-ready and designed for optimal performance on Wide Area Networks (WANs) and Virtual Private Networks (VPNs)
- Delivered by a company that has extensive experience in WAN and VPN software implementation
- Customisable

The system integrates all functions of the enterprise into a single system and delivers business critical information online. It allows you to substantially improve control and utilisation of resources resulting in:

- Higher productivity
- Operational efficiency
- Better production scheduling
- Lower inventory
- Smoother cash flow management
- Secure
- Scalable
- Flexible

The system is currently undergoing beta testing at select sites in telecom and pharmaceutical industries.

EzSchool / Insight – ERP for Educational Institutions

EzSchool is VolkSoft Technologies' maiden product offering. It is a comprehensive administration & management tool for schools, colleges and other educational institutions. Insight is the new enterprise-level implementation of the same, catering to the needs of very large educational institutions such as international residential schools, professional colleges and universities.

EzSchool provides several modules that cover every aspect of school management, including:

- Comprehensive student database
- Exams/ Progress Cards/ Analyses
- Attendance management (including biometric fingerprint capture and swipe card support)
- Staff Payroll with support for all types of allowances, deductions, Leave management, etc.
- Full-fledged Financial Accounting
- Library, Inventory, Hostel/ Dormitory
- Fleet management
- Vehicle Fleet Management

EzSchool is available in Standard, Professional and Enterprise versions. It is a highly scalable solution and supports business logic requirements of regular



schools, colleges, engineering and other professional colleges and international schools.

Insight adds web-based MIS reporting, parent login and a host of other features to the basic EzSchool feature-set.

EzDial - Interactive Voice Response System

VolkSoft Technologies provides two highly effective IVRS systems. One, a very cost-effective internal modem-based option that provides a first level of customer support or reduce the manpower effort involved in providing counselling.

The system is completely customisable and can be used in several domain areas. Currently, versions are available for Distance Education counselling, school/college student information dissemination, and related areas.

Unlike more expensive hardware-based and imported systems, the TCO is very low and the system provides support for multiple Indian languages and Indian accent narrative.

The second option is a more powerful Intel Dialogic-based alternative with support for multiple phone lines and automatic dial out. With its user-configurable menu system, the software can be tailored to operate in any environment.

The call scripting can be tailored to any need, and multiple scripts can be maintained. It is also possible to run different scripts on each line.

The system is currently in use at several organizations, including defence housing establishments where hundreds of apartments use the system to record their complaints and provide feedback on housekeeping.

Office Automation Suite

With in-built Financial Accounting, Payroll and Inventory, the Office Automation Suite is a cost-effective solution for handling the operations of small and medium-sized businesses. Each of these modules provides comprehensive domain-level features and is a complete product in its own right.

Turnkey Projects

VolkSoft Technologies also provides consulting and development services to companies in the area of manufacturing, finance, web presence creation & management, etc.

Additionally, VolkSoft Technologies has executed one-off assignments for various software companies in Hyderabad, such as building specialised software components and tools



VolkSoft Technologies has delivered several small- and medium-size solutions to several customers in the USA on turnkey basis on diverse platforms and architectures, and continue to actively market our services to international customers looking for quality assured and timely delivery.

Marketing

VolkSoft Technologies has its own marketing team for direct selling. The team has a very high success rate, converting more than 90% of all EzSchool demos to sales. The team is extremely knowledgeable about the domain and helps maintain excellent relations with the existing client base, leading to repeat orders and strong recommendations.

Domestic Marketing

Till recently VolkSoft Technologies has chosen to market its products and services exclusively and directly to end customers.

Trial marketing of the new ERP solution has shown tremendous potential, with prospects in several industry segments evincing keen interest in the right mix of features and technology that the VolkSoft Technologies solution provides. A techno-commercial team has been formed within the company in order to promote the product in several verticals, notably pharmaceutical and manufacturing industries.

In the meantime, “*EzSchool – Automated Administration & Management System*”, VolkSoft Technologies’ maiden product has been promoted mainly in Andhra Pradesh, Maharashtra, Kerala and Karnataka, and the response has been quite overwhelming.

The company is currently on a drive to expand its market presence by setting up a distributor/reseller network across India specifically for its products and services. VolkSoft Technologies has already appointed dealers in Andhra Pradesh and Kerala.

Nevertheless, the company keeps direct contact with its customers in order to ensure quality of service and customer satisfaction.

International Tie-ups & Marketing

VolkSoft Technologies is developer partner for Spiral EMT Inc, USA, and provides offshore development and testing services on .NET platform.

Kuwait-based WATCH Media are partners and exclusive representatives for EzSchool ERP solution in GCC countries, under the brandname “Au Fait”.



Management Team

Alan Pappachan (CEO & Managing Director)

With over 14 years of experience in software development, Mr. Pappachan has been involved in and led several major projects and initiatives including real-time Internet trading systems based on the National Stock Exchange (NSE) CTCL framework and The Stock Exchange, Mumbai (BSE), IML framework.

At VolkSoft Technologies, he is instrumental in the identification of new growth areas, evaluation and rapid adoption of new technologies in the company, and also contributes his technical expertise in product development.

Mr. Pappachan began his career in OMC Computers Limited, one of the pioneering IT companies in India dealing in high end graphics solutions from Silicon Graphics Inc.

Prior to co-founding VolkSoft Technologies, Mr. Pappachan worked with SDG Software Technologies for over seven years, delivering several innovative solutions for the Indian stock markets

Byrisetty Srinivasa Rao (Head, Technical)

Mr. Rao is Chief, R&D and is an expert on JEE and multi-tier technologies. His areas of domain expertise include banking sector, securities markets, financial markets, etc.

Mr. Rao has been in software development for over 10 years. He has been involved in the development of on-line trading engine, risk management software, and data mining tools for stock exchanges in India.

Earlier, Mr. Rao worked with Cognizant Technologies, the international software services firm, on projects in the US banking sector. His areas of expertise are JEE, enterprise-class design and architecture.

Srinivas Thouta (Head, Projects)

Mr. Srinivas has immense experience in the implementation of very large database systems. At VolkSoft, in addition to his responsibility he is Chief of Customer Relations.

His skill in handling customers and problem installations is legendary and is one of the main reasons for the company's hard-earned reputation for quality service. Mr. Srinivas has over 11 years of experience in software development in various domains.



Mr. Srinivas began his career at Unicorn Organics. He also worked for SDG Software Technologies, heading the development of their broker and exchange back office products.

Mr. Srinivas was one of the key members of the team involved in the implementation of the first ASP-architecture (Application Service Provider) broker back office in the country at The Bangalore Stock Exchange.

Shashikanth Maidhampally (Head, Sales & Marketing)

Mr. Shashikanth has over 9 years of experience in both domestic as well as international marketing. He heads marketing at VolkSoft Technologies and has been instrumental in the company's rapid growth. He has previously worked in Malaysia, Hong Kong, Thailand and Indonesia.

Blessed with a rare acumen for understanding the client's requirements and translating the same into a working solution, Mr. Shashikanth is a chief contributor to the dynamic energy of the company.

Previously, Mr. Shashikanth worked for SDG Software Technologies spearheading the marketing efforts both in the national as well as international markets.

Raju Kasanagottu (CFO)

Mr. Raju is responsible for all financial aspects of the company, and is an expert in the area of Quality Management.

Although a Post Graduate in Computer Science, his natural talent for managing financial resources has come to the fore and is a contributing factor to the consistent, stable growth that the company has been able to achieve and maintain.