	CMS Modules
	Institutional Set Up as per following Hierarchy
1	SBS State Technical Campus
2	**1..1 Engineering Wing**
3	1.1.1Deptartment of Computer Sc and Engineering
4	1.1.2Deptartment of Electronocs and Communication Engineering
5	1.1.3Deptartment of Mechanical Engineering
6	1.1.4Deptartment of Chemical Engineering
	1.1.5Deptartment of Civil Engineering
	1.1.6 Deptartment of Electrical Engineering
	1.1.7 Facility to add more departments
	1..2 Diploma Wing
	1.2.1Deptartment of Computer Sc and Engineering
	1.2.2Deptartment of Electronocs and Communication Engineering
	1.2.3Deptartment of Mechanical Engineering
	facility to add more department
	1.2.5
	1.3 School of Architecture
	1.4 Facility to add another Wing along with their departments

	Program/Course Setup in each Wing/School
1	award / degrees offered
2	specialization
3	eligibility criteria
4	mode,medium and pattern of delivery
5	batch creation
6	bulk batch creation
7	academic sessions
	Scheme creation along with its grade/absolute pattern
8	**Under one program, Many schemees along with its own grading /exam pattern can coexist**
9	class creation
10	copy academic template for schemes /grade pattern etc only
11	template copy to create new field structure /batches/ classes/ time table/ exam pattern with new templates
12	**Any other unforseen report/module**

Fees

1	configure fee structure (Fee structure can vary from wing to wing ,branch to branch, batch to batch with in the program ,semester to semester)
2	configure fee collection pattern
3	automated fee schedule
4	fee examination and exclusions
5	fee refund
6	fee collection (due & Advance)
7	student receivable account(incase of accrual accounting)
8	cash/accrual mode of accounting
9	yearly fee increment configuraion for schools which differs fee in a class based on the year of admission of students
10	tax implementation
11	advance collection as a liability
12	bulk fee edit through excel
13	fee group wise separate receipts
14	refund reversaland reissue of cheque
15	fund transfer between fee heads
16	fee bill
17	fee schedule review
18	advise for refund transactions
19	imprest deposit
20	**Any other unforseen report/module**

Letter/Certificate Printing

1	define letter templates
2	configure format of the lettetr
3	print letter
4	request for printing
5	audit trail of requests and printing history
6	bulk mailing
7	embedded letter
	Any other unforseen report/module

Fine

1	configure fine
2	configure fine collection patttern(time slab/amount slab)
3	fine collection
4	mapping of fine with ledger accounts
5	bulk fine application through excel upload
	Any other unforseen report/module

Reports Fees
Fee

1	fee due as on date
2	fee collection summary as on date
3	collection deposit summary for bank report

4	daily fee collection
5	fee audit log report
6	outstanding summary report
7	track reverse transaction
8	outstanding detailed report
9	fee schedule for a student
10	duplicate receipt report
11	cheque bounce list
12	fine due as on date
13	fee structure for a batch in academic year
14	fee collection as on date detailed
	•Online Fee Payment
15	monthwise fee collection report for the year
16	detailed fee collection report
17	fee refund detail
18	fee summary report
19	outstanding fee report
20	student dues details
21	student ledger report
	Any other unforseen report/module

Academics

1	list of students in a class
2	category wise leist of students in a batch
3	list of batches in a program
4	list of students in a program
5	list of programs offered
	Any other unforseen report/module

graphs supported for Reports

1	column chart
2	pie chart
3	line chart
4	bar chart
5	area chart
6	doughnut chart
7	multiple series charts
8	charts chart
9	combination chart
10	funnel chart
	Any other unforseen report/module/graph

Application and Enquiry

1	Application and Enquiry
2	define application form

3	Online application form for online applicants
4	Prospectus fee collection
5	Back office Application form-Mange application form(hard copy forms/bulk upload
6	•Application Scrutiny (Short listing - Manual / Auto and Rank list - Single / Multiple Programs)
7	•Enquiry Management
	Any other unforseen report/module

Admission

1	Admission selection process
2	Admit student(confirm/provisional)
3	Students Record creation
4	Single window Admission
5	I-card printing
6	Application\Prospectus Fee
8	•Bulk Admission/Bulk Provisional Admission
11	•Bulk Rejection
12	•Auto Subject Enrollment
13	•Automatic Class Allocation on defined logic
14	•Bulk batch change based on eligibility and preference
15	•Uploading and locking of documents
16	•Student\Applicant document tracking
17	•Counseling
18	•Advance Booking
19	•Regeneration of roll number in case of batch change
20	•Admission Offer Letter Generation
21	•Automatic Roll No/Registration No/Provisional Roll No Generation for all formats
22	•Application letter printing
23	•Student\Applicant document tracking
24	•Counseling
25	•Advance Booking
26	•Regeneration of roll number in case of batch change
27	•Letter Configuration at workflow level
28	•User defined attributes on prospectus fee
29	•Auto creation of eform application via prospectus fee collection
	Any other unforseen report/module

Academics\Holiday Calendar

1	Academics\Holiday Calendar
2	•Academic Events
3	•Academic Holidays
4	•Academic Vacations
5	•Grid view of calendar , a consolidated view
	Any other unforseen report/module

Syllabus Setup

1	•Subject Definition
2	•Syllabus Definition
3	•Topic Definition
4	•Maintain Subject Groups
5	•Defining Upload-able Content for a Subject
	Any other unforseen report/module

Syllabus Content Setup

1	•Upload study material
	Any other unforseen report/module

Student Enrollment

1	•Student Enrollment to Batch / Class / Subject Group
2	•Bulk Subject Enrollment
	Any other unforseen report/module

Student Groups

1	•Student Group for Batch / Class Student Group Master
2	•Student Houses
	Any other unforseen report/module

Faculty Assignment

1	•Assign Faculty to Batch / Class / Subject / Academic Sessions
2	•Faculty Profile
	Any other unforseen report/module

Timetable & Attendance

1	**Upload time table using excel file**
2	**Editing of timetable with applicable constraints e.g one faculty can't be present at two locations**

Student Self Service Academics

1	•View My Program Details
2	•View My Syllabus
3	•View Academic Calendar
4	•View My Holidays Vacations
5	•View My Subject Enrollment
6	•View Faculty Information •
7	• View Calender
	Any other unforseen report/module

Student

1	360 Degree view
2	• Apply branch change
3	•Student Document Upload
	Any other unforseen report/module

Time Table

1	•View My Weekly Timetable
2	•View My Today's Schedule
3	•Slot Content Download
4	
5	•Student Wise Timetable and Registration
6	•Student wise timetable selection
7	•My Timetable (studentwise)
8	
	Any other unforseen report/module

Registration

1	•Registration Process
2	•Academic Session Registration
3	•Pre-requisites for enrolling to a Subject
4	•Handling Fee at the time of Semester Registration (if applicable)
5	•Ability to define Subject Wise Fee for enrollment
6	•Back Log Registration
7	•Handling Fee at the time of Back Log Registration (if applicable)
8	•Student wise timetable registration
	Any other unforseen report/module

Student's 360 degree view

1	•Fee Schedule
2	•Fee Summary
3	•Academic History
4	•Letter Printing
5	•Fee Edit History
6	•Promotion History
7	•Day Wise Attendance
8	•Slot Wise Attendance
9	•Time Table
10	•Subject Enrollment
	Any other unforseen report/module

Grading & Promotions(Batch wise)

1	•Grade
2	•Grade Scheme Applicable on batch
3	•Grade Scheme Allocation (Assign Grade Book to the batch)

4	•Promotion Rule Setup
5	•Student Grade Detail
6	•Process Result
7	•Promotion Detail
8	•Capture Marks
9	•Manual / Automatic Promotion
10	•Normalization Schemes
11	•Grace Mark Rules
12	•Student Curve Fitting
13	•Medical and Absenteeism Rules
14	•Integration of Class Assignment Marks with Examinations
15	•Report Card Format Creation
16	•Logic for applying Grace Marks
17	•Logic for treating Absent in Exam
18	•Capturing Marks from Assignment / Quiz
20	•Handling Back Log Subjects
21	•Re-evaluation of marks
22	•Ability to give ad-hoc grades
23	•Dummy numbers to be created for copies for evaluation
24	•Credit point criteria for promotion
25	•Student status-PCP\Ex Student\Re-admission
26	•Subject level examination setup along with Seating arrangement for students based upon the availibility f seats in examination centre hall
27	•PDF Report Card
	Any other unforseen report/module

Faculty Self Service Academics

1	•View/Search Subject Catalog
2	•View My Weekly Class Schedule
8	•View Daily Schedule
9	Capture Score
10	•Provide marks for assignment
11	•Slot Conducted
12	•Slot Scheduling
13	•Batch Seat Details
14	•Month wise collection for a Fiscal
15	View Timetable Template
16	•View 360 Degree view of student
17	•Academic Session wise results
18	•University Result Analysis
19	•Graphical University Result
20	•Timetable Slot Modification
21	•Admission Process Details (Dashboard)
22	Batch Seat Details(Dashboard)
23	Fee Details(Dashboard)
	Any other unforseen report/module

Reports Admission

1	•Student Classified by Religion
2	•Sibling Report
3	•Class not Allocated Students
4	•Category Wise List of Students Admitted in a Batch
5	•Category Wise List of Applicants for a Batch
6	•Category wise admission report
7	•List of applicants in a Counseling List
8	•Student Mapping Detail
9	•Male Female Detail Report
10	•Display of seats
	Any other unforseen report/module

Admission (Advance Booking)

1	•Provisional Booking Fee Collection Report Program wise
2	•Provisional Booking Fee Collection Report
3	Student wise
4	•Provisional Booking Cancellation Report
5	•Provisional Booking status Report
6	Academics
7	•Detailed List Of Programs in a Batch and academic session
9	•List of Students enrolled in Program
10	•Student Wise Grading for a Batch for an
11	Academic Session
16	•Program Wise Students Enrolled for a Batch for an Academic Session

F & A Modules	
F & A Solution	
Report	
1	Financial reports
2	List of students who has not submitted fee (department wise)
3	List of students who has deposited fee
4	List of students who has any pending due
5	Enquiry about any particular student about its due
6	Bulk uploading of fee collection through excel sheets
7	Bulk uploading of fee due towards student
8	Bank Account wise information in which the student has deposited fee
9	Fee reconcilation report
10	Any other report related to fee of students

Hostel Requirement for ERP

1	Hostel building master setup
2	Room master setup
3	Room Allotment
4	Room Shifting
5	Inter hostel & Intra hostel shifting
6	Inventory Management
7	Hostel reports
8	Displinary comments against any student
9	Messbill Generation
10	Mess bill collection

HRMS Modules	
Organisation Set up	
1	Language master
2	Holiday Type Master
3	Calender Master
4	Qualification Master
5	Skill Master
6	Religion Master
7	Classification Master
8	Country Master
9	Work Group Master
10	Realtion Master
11	Holiday Calender
12	eligibility Rule Query
13	Ledger Integration
14	Global Parameter
15	Meta Data Configration
Recuitment	
1	Vacancy Publication
2	Advertisement Attributes
3	Application Maintenance
4	Scrutinizing Applicant Screen
5	Test Centre Master
6	Employee Record Creation
7	CTC Master
8	On Line Requistion
9	ENGL Master
10	Quick employee Record Creation

Employee Maintenance

1	Employee Personel details
2	Realtion details
3	Disipilnary Action
4	Employee to site Mapping
5	Rest Day Master

Separation

1	Separation Category
2	Separation Clearance List
3	Clearance Template Master
4	Separation application
5	Exit Interview
6	Employee Clearnace
7	Sepaeration order

Hierachy

1	reporting Hierarchy
2	Site hierarchy

Leave

1	•Leave Master
2	•Leave Credit
3	•Leave Ledger
4	•Leave Application
5	•Leave Application Query
6	•Leave Encashment
7	•Leave Encashment Query
8	•Leave Att Routine

Loan and Advance

1	•Loan Master
2	•Loan Application
3	•Loan Application Query
4	•Advance Master
5	•Advance Application
6	•Advance Application Query

Attendance

1	•Shift Master
2	•Employee Shift Roster
3	•Shift Rotation
4	•Attendance Data Population through existing Biometric attendace machine(Spectra Make)

5	•Attendance Query
6	•On-Duty Application
7	•On-Duty Application Query
8	•EG / LC Status History

Travel / Claim

1	•Claim Master
2	•Claim Application
3	•Claim Application Query
4	•Travel Application Query

Transfer and Deputation

1	•Transfer Application
2	•Transfer Order
3	Deputation Application Deputation Order
4	Deputation charge report
5	Deputation order

Fast — Track

1	•Bulk Action on Applications

Promotion

1	•Promotion Notice Detail
2	•Promotion Criteria
3	•Eligible Employee List
4	•Promotion Score Card
5	•Employees to be Promoted
6	•Direct Promotion

Asset Management

1	•Asset Management Master
2	•Asset Application
3	•Asset Management

Performance Appraisal

1	•KRA Master
2	•Competency Master
3	•Appraisal Template Master
4	•Appraisal Start Order
5	•Appraisal Specific Template
6	•Appraisal Allocation Details
7	•Employee Appraisal
8	•Employee Appraisal Query

Training

1	•Training Course Master
2	•Institute & Course Details

3	•Training Calendar
4	•Training Course Budget
5	•Faculty Master
6	•Faculty Training Detail
7	•Employee Training Plan
8	•Training Application
9	•Training Application Query
10	•Training Attendance
11	•Training History
12	•Employee Feedback
13	•Close Training Course
14	•Feedback Questionnaire Master
15	•Training Specific Questionnaire
16	•Supervisor Employee List
17	•Overall Training History

	Library
1	Member management
2	Library member card issue
3	Book reservation
4	book issue ,return
5	Auto fine collection
6	List of books availble
7	report o damaged /mising books etc
8	Automates library membership,storage member details,book issues,return etc
9	alerts to user using email/sms/app
10	Online reservation of books/journal and search other library data
11	Barcode generation for Membership cards and books
12	Deficiency report as per AICTE norms
13	Report on No of title availble(department wise)
14	Procurement of books recommended by faculty through the concerned HOD
15	Procurement report should have information about the title already availble in library of same name as recommendedby Hod
16	other Misc library related issue

PnI Modules

Master Data Management

1	•Vendor Management
2	o Manage Vendor Profile
5	o Map vendor to payment terms
6	o Map vendor to wing
7	o Map vendor to items
8	o Vendor — item — purchase price mapping
9	o Vendor — item —tax mapping
10	•Item Type — Purchase Account Mapping
11	•Item — Purchase Account Mapping
12	•Service Master
13	•Adjustment Reasons
14	•Document Number Sequence
15	
16	•Procurement Hierarchy

Procurement

1	•Raise Centralized Purchase Orders (PO)/Departmental PO
2	•Adjustment Purchase Order after Approval at Central/Department Level
3	•Approve/Reject Purchase Orders based on user or amount at approving authority level
4	•Purchase Requisition at Central/Departmental
5	•Quotation upload , CST preperation/Recommendation of committee upload

Inventory Management

1	•Initial Stock Upload
2	•Unplanned Receipt of items
3	•Dispatch
4	o Dispatch the items from one site to another
5	site
6	o View the Dispatches
7	o Dispatch items from against an Indent
8	raised
9	•Goods Receipt Note (GRN)
10	o Goods Receipt Note (GRN) against PO
12	o Approve/Reject GRN
13	•Store Adjustment
14	•View Inventory
15	•Auto Purchase Requisition
16	•Raise Indent
	Decleration of unservicable item by the competent authority
	Disposing of unservisable item(s) by competent authority

Pre-Configured Reports

1	•Stock Details
2	•Stock Register (Room/labwise/department wise)

3	•Site/departmental store/Central Store wise stock in hand
4	•Stock as of Date
5	•Purchase order
6	•Goods Receipt Note
7	•Dispatch Note
8	•Indent Base Dispatch Note
9	•Unplanned Receipt Note

On Demand Report

1	Internal Stock Issue
2	•Dispatches/issue
3	•Dispatch/issue Materialwise
4	•PO Register Report
5	•GRN Register Report
6	• Site wise Purchase Order Details
7	•Site wise GRN report
8	•Vendor Wise GRN report
9	•Accept Stock
10	•View Completed GR Details

On Demand Reports — Design your own reports for following transactions

1	•Purchase Order
2	•Goods Receipt Note
3	•Inventory Transaction
4	•Party master
5	•Purchase Requisition
6	•Quotation Details
7	•Store Adjustment

F&A Integration

1	Inspection Committee Recommendation upload
2	•Payment Voucher generation

Verticals Integration

1	•Item Master
2	•UOM Master
3	•Item Site Mapping
4	•Item UOM Mapping
5	•Accept the Dispatches made from CI
6	•Raise Indent to CI/Department SPO
7	•Data Synch between CI to LI(Department) and vice-versa

	Placement master	
1	Add category of placement like(company /institute/higher studies/entrepreneur/Training/etc)	
2	Delete category	
3	Edit category	
	Company master	
1	Add company	
2	Delete company	
3	Edit company details	
4	Mapping of company to department(s)	
5	Eligibility criterion for students fixed by company	
6	Pay packet mentioned by company(ifany)	
7	Floating of recruitment /training advt for student	
8	Facility to apply online by students	
9	Faculty to mark selected students as placed/selected for training in concerned company(campus placement)	
10	Declarion of results of recruitment(campus Placement	
11	Faculty to mark selected students as placed/selected for training in company(other than campus placement)	
	Report	
1	List of eligible students as per company criterion	
2	List of students who have applied for a company	
3	List of students who have been placed/accepted for training (department vise/company vise/year vise/batch vis)	
4	facility to send alert to concerned students	
	Any other unforseen report/module	

Examination Modules

Secure Login Id and password creation: Teachers and students/ COE/ DCOE/ DA/ Supdtt/Printing cell/ HODs/ Academic Incharges/ subusers

User: **HOD**
Creation of subuser(upto 4) – academic incharges   ---- grant access+ revoke rights
Student data: Display and updation
Teacher data: Display and updation
Unregistered students marking and display
Detainee students marking and display
Regular subject locking for regular form filling
Regular/ Reappear form locking and fee receipt

Admit Card printing
Allocation of faculty for internal/external awards for all subjects
Lock / unlock of awards – display
Locking of awards
Creation of faculty and student login
Upload notices
Email to individuals

User: **AcademicIncharge**
Specific Student data: Display and updation
Teacher data: Display
Unregistered students marking and display
Detainee students marking and display
Regular subject locking for regular form filling
Regular/ Reappear form locking and fee receipt
Admit Card printing
Allocation of faculty for internal/external awards for all subjects
Lock / unlock of awards – display
Upload notices

User: **Students**
Profile and photo uploading
Result display
Reappear form filling
Notice display

User: **Faculty**
Awards – internal/external uploading, submission, locking and printouts

User: **DA**
Detainee lists display
Non registered lists display
Uploading/ Removal of detainee students
Uploading/ Removal of non-registered students
Uploading and defining academic rules regarding examinations
Scheme uploading
New Admission data uploading (1st year – Phy. group and chem. group, 2nd year LEET admissions and upgradation data)
Debarring student for form filling
Upload notices
Email to individuals

User: **Printing cell**
Create subuser : grant rights
Detainee lists display
Non registered lists display
Attendance markingof each subject

User: **Printing cellsubuser**
Detainee lists display
Non registered lists display
Attendance markingof each subject

User: Superintendent

Create subuser – deputy superintendents (02)
Detainee lists display
Non registered lists display
Datesheet display
Student strength subject wise
Student attendance sheets
Seating plan generation

User: Deputy Superintendent

Detainee lists display
Non registered lists display
Datesheet display
Student strength subject wise
Student attendance sheets
Seating plan generation

User: COE

Create subuser: DCOE (C & S), DCOE (E &R) grant rights, revoke rights

A. Conduct:

Dates for form filling
Detainee list display
Non registered list – display
Student strength subject wise
Datewise strength (if possible)
Exam fee collection data
UMC data uploading
Debarring student for form filling
Student /teacher data
Filled forms data display

B. Evaluation and Result:

Secrecy code option
Locking /unlocking of awards
Marks mismatch – display and removal
UMC - no result
UMC – removal – result declare
Subject grace
Student grace

Gazette Generation:

PTU format –   RP/RT/RTI/ clear
                    Excel sheet down load
MRSPTU format –   grade system – SPI, CPI, grades, mean, standard deviation
                    Absolute grading if no. of students <30
                    external exam condition
                    only reappear in external exam – mean and standard deviation of   original set
                    Excel sheets download

Repeaters to be included in calculation of mean and standard deviation in   that session

Mean, standard deviation values storage.

SBSSTC format-   2015 batch first year- college grading system, excel sheet download

Email and SMS to individuals

User: DCOE (C & S)
Dates for form filling
Detainee list display
Non registered list – display
Student strength subject wise
Datewise strength (if possible)
Exam fee collection data
UMC data uploading
Debarring student for form filling
Student /teacher data
Filled forms data display

User: DCOE (E & R)
Create subuser: grant rights, revoke rights
Evaluation awards uploading in evaluation centre

Secrecy code option
Locking /unlocking of award
Marks mismatch – display and removal
UMC - no result
UMC – removal – result declaration separately
Subject grace – not to absent and detainee students
Student grace

Gazette Generation:
PTU format –   RP/RT/RTI/ clear
                Excel sheet down load
MRSPTU format –   grade system – SPI, CPI, grades, mean, standard deviation
                 Absolute grading if no. of students <30
                external exam condition
                only reappear in external exam – mean and standard deviation of   original set
                Excel sheets download
                Repeaters to be included in calculation of mean and standard deviation in   that session
                Mean, standard deviation values storage.
SBSSTC format-   2015 batch first year- college grading system, excel sheet download

User: DCOEsubuser
Evaluation awards uploading in evaluation centre

Administrator
 Create users COE/ HOD/ DA – grant/ revoke rights

Migration of existing data from MySQL to the new system

Desirable : mapping of date sheet with student strength

An official should be stationed in the institute to take care of issues on daily basis.

Solution on cloud

Financial Bid should include the following:

1.   Cost of software server based at local station (SBSSTC) perpetual licenses.

2.   The cost of subscription per user per month including Hosting of Server charges per user per month. Software for conducting of Exams & Declaring results for UGC Autonomous college as per requirements given below:

1. Number of Users 2000-2500

2. Number of Users 2500-3000

3. Number of Users 3000-3500

4. Above 3500 Users.