



NUST HOLDINGS
CMS FEATURES

ABSTRACT

Document elaborate the features set of Campus Management Solution.

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Revision Chart

Version	Primary Author(s)	Description of Version	Reviewed By	Date Completed
0.1	Ms. Saima Bibi	Created/Updated the initial draft		10 th June 2021
0.2	Ms. Ruby Iftikhar	Updated the images in document along with modifications.	Saima Bibi	10 th June 2020



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Student Portal and Dashboard

CMS provides the facility to students to view, add and update academic and non-academic information. Students has a dashboard and a portal. Students can view various features in their portal and dashboards as mentioned below:

- Dashboard
- Profile and Notifications
- Attendance
- Results
- Notifications
- Enrollments
- Feedbacks
- Requests
- Class Schedules
- Invoices
- Clearance
- Hostel
- Student Projects
- MS Thesis

Dashboard

Student dashboard is a compact view of student's academic performance. Student can view their CGPA, total and completed credit hours of degree, in progress courses count and credit hours. Student view their classes for day, project details and progresses.

The screenshot shows the NUST Campus Management Solution Student Dashboard for Tasbiha Zaman. The dashboard is divided into several sections:

- Academics:** Displays the student's name (Tasbiha Zaman), college (Pakistan Navy Engineering College), academic standing (Semester: 6th Semester, CGPA), and credit information (Completed Cr: 69.0 / Total Cr: 129, Inprogress Cr: 18.0). It also indicates that no classes are scheduled for today.
- Classes, Grades and Attendance:** Lists the student's current classes and their attendance for Spring 2021:
 - Instrumentation And Measurements (EE-383): 4.0 Credits, Grading in progress, Attendance: 93.0%
 - Linear Control Systems (EE-371): 4.0 Credits, Active Class, Attendance: 100.0%
 - Numerical Methods (MATH-351): 3.0 Credits, Grading in progress, Attendance: 94.0%
 - Power Electronics (EE-368): 4.0 Credits, Grading in progress, Attendance: 93.0%
 - Power Engineering (EE-366): 3.0 Credits, Grading in progress, Attendance: 100.0%
- News and Announcements:** A section for staying updated, currently showing "Stay tuned."



Profile

Student can view their personal profile and clubs information in the portal view.

The screenshot shows the 'Profile' page in the NUST Campus Management Solution. The header includes the NUST logo and navigation icons. The main content area features a profile card for 'Tasbiha Zaman' with ID '00000270988' and affiliation 'Pakistan Navy Engineering College'. The card lists 'Under Graduate' as the career, 'BE ELECTRICAL ENGINEERING' as the program, and '6th Semester' as the current semester. Below the card are tabs for 'ABOUT' and 'BIO DATA'. The 'ABOUT' tab is active, showing contact information fields for email, phone, emergency contact, present address, and permanent address. A 'Notifications' box is visible on the right side of the page.

Attendance

CMS provides the view of student attendance in portal. Student can view attendance percentage in all classes. Student can also view all classes attendance in read only format for a subject.

The screenshot shows the 'Attendance Classes' page in the NUST Campus Management Solution. The page title is 'Attendance'. Under the 'ACTIVE CLASSES' section, there are seven class cards, each displaying the class name, ID, semester, and attendance percentage. The attendance is visualized with a progress bar: green for 100.0% and red for 50.0%.

Class Name	Class ID	Semester	Attendance
Fundamentals of Programming	CS-114-F20-PNEC/BME/2020F-A	Fall 2020	100.0%
Applied Physics	PHY-102-F20-PNEC/BME/2020F-A	Fall 2020	100.0%
English	HU-100-F20-PNEC/BME/2020F-A	Fall 2020	100.0%
Applied Chemistry	CH-109-F20-PNEC/BME/2020F-A	Fall 2020	100.0%
Pakistan Studies	HU-107-F20-PNEC/BME/2020F-A	Fall 2020	100.0%
Workshop Practice	ME-105-F20-PNEC/BME/2020F-A	Fall 2020	100.0%
Calculus & Analytical Geometry	MATH-101-F20-PNEC/BME/2020F-A	Fall 2020	50.0%



Results

CMS provides the student portal with all courses results. Student can view the result of current courses of semester and also can view previous courses results. Following are the type of result students can view in CMS.

- Current Courses Result
- Previous Courses Result

Current Courses Result

Student in CMS, can view the result of assessment of courses. If course final result is not declared, student is not able to view till notification of result.

The screenshot displays the 'Results' section of the NUST Campus Management Solution. It features a navigation bar with 'Result Classes' and a sub-section for 'Results'. Under 'Results', there are two tabs: 'ACTIVE COURSES' (selected) and 'PREVIOUS COURSES'. The active courses are displayed in a grid of blue cards, each representing a course with its name, ID, credits, and status. The status for all active courses is 'Grading in progress'.

Course Name	Course ID	Credits	Status	Term
Instrumentation And Measurements	EE-383	4.0	Grading in progress	Spring 2021
Linear Control Systems	EE-371	4.0	Class in progress	Spring 2021
Numerical Methods	MATH-351	3.0	Grading in progress	Spring 2021
Power Electronics	EE-368	4.0	Grading in progress	Spring 2021
Power Engineering	EE-366	3.0	Grading in progress	Spring 2021

Previous Courses Result

Student can view the grades in all previous courses. Student can view previous courses term wise. Grade points, total grades, earned grade and acquired GPA is shown in previous courses results.

The screenshot displays the 'Results' section of the NUST Campus Management Solution, specifically the 'PREVIOUS COURSES' tab. It shows a table with columns for Term, Grade Points, Total Credits, Earned Credits, GPA, and CGPA. The table lists results for four terms: Fall 2018, Spring 2019, Fall 2019, and Spring 2020.

Term	Grade Points	Total Credits	Earned Credits	GPA	CGPA
> Fall 2018	72.0	18.0	18.0	4.0	4.0
> Spring 2019	67.0	17.0	17.0	3.94	3.97
> Fall 2019	64.0	16.0	16.0	4.0	3.98
> Spring 2020	72.0	18.0	18.0	4.0	3.99



Notifications

CMS provides the notification panel for students in their portal. Notification can be general or can be specific to students only. Students can view latest notification on the top of notification panel. Students can view all previously announced notifications too.

The screenshot shows the NUST Campus Management Solution interface. At the top, there is a navigation bar with the NUST logo and the text "NUST Campus Management Solution". Below this, a breadcrumb trail shows "Home > Notifications". The main content area is titled "Notifications" and displays a notification card. The card features a thumbnail image on the left with the NUST logo, the text "ANNUAL EMPLOYEE BEST PERFORMANCE AWARDS", and a link "https://tinyurl.com/nustawards2020". The notification text on the right reads: "Annual Employee Best Performance Awards" (dated 2021-01-06 19:14:02), "NUST TO HOLD ANNUAL EMPLOYEE BEST PERFORMANCE AWARDS CEREMONY", and a paragraph explaining the awards ceremony. It concludes with a link to click on at the time mentioned above: "https://tinyurl.com/nustawards2020".



Enrollments

CMS provides the facility to student to enroll in classes from their portals. In CMS student can enroll courses from portal, can plan courses for future and can view enrollment schedules. Following are the salient features of enrollment from student portals.

- Course Enrollment
- Self Service Enrollment
- Self-Enrollment Card
- Enrollment Schedules

Course Enrollment

Student can view enrolled classes in course enrollment in portal. Student can select a course to view the percentage marks obtained in selected course's assessments.

The screenshot shows the 'Enroll Classes' page in the NUST Campus Management Solution. The page is titled 'Enroll Courses' and features a section for 'ACTIVE CLASSES'. There are five course cards displayed, each with a 'Grading in progress' status and a 'Spring 2021' term indicator. The courses are:

- Instrumentation And Measurements EE-383 (Credits: 4.0, Course Type: Compulsory)
- Linear Control Systems EE-371 (Credits: 4.0, Course Type: Compulsory)
- Numerical Methods MATH-351 (Credits: 3.0, Course Type: Compulsory)
- Power Electronics EE-368 (Credits: 4.0, Course Type: Elective)
- Power Engineering EE-366 (Credits: 3.0, Course Type: Elective)

Self Service Enrollment

Student can enroll in course using their portal. Course with self-service enabled from admin side are available to student for self service. Student can request for enrollment by selecting the course.

Self-Enrollment Card

The student can do self-enrollment program wise, batch wise by using the enrollment card program. The request is sent to the admin side for approval. Once the approval is done the student receives an alert and the course is visible on the enrolled courses page.



Enrollment Schedules

CMS provides the complete information to student for enrollment in their portal. Students can view the schedule of courses in which enrollment is enable with start and end dates.

☰ NUST Campus Management Solution 🔍 🔔 👤

🏠 > [Schedules](#)

Schedules

Name : Spring 2021 (UG 2nd & 3rd Year H-12 & PNEC) **Start Date :** 2021-02-22

Term : Spring 2021 **End Date:** 2021-06-11

Sr.	Type	Name	Start Date	End Date
1	drop_w	Course Drop (W)	2021-03-08	2021-04-18
2	drop_f	Course Drop (F)	2021-04-19	2021-06-11
3	enrollment	Course Enrollment	2021-02-01	2021-04-23



Feedbacks

CMS provides the feedback for different processes. Student feedback module provide different feedback questionnaire for the assessment of course and teacher performance. Feedback reports are following:

- Teacher Feedback
- Course Feedback

Course Feedback

CMS provides the feedback of all courses under course feedbacks. Student can view and provide feedback for course. Feedback is provided using defined survey forms.

Teacher Feedback

To improve the teacher student relationship and to improve the process of academics, student have the provision to provide feedbacks for teacher of the course. Feedback is provided using defined survey forms.

The screenshot displays the 'QA Feedback' section of the NUST Campus Management Solution. It features a navigation bar at the top with the university logo and the text 'NUST Campus Management Solution'. Below the navigation bar, there is a breadcrumb trail: 'QA Feedback'. The main content area is titled 'QA Feedback' and contains two tabs: 'COURSE FEEDBACK' (selected) and 'TEACHER FEEDBACK'. The 'COURSE FEEDBACK' tab shows a grid of eight feedback cards, each representing a different course. Each card contains the following information:

- Course Name: Teacher Evaluation - ARCH-532-SADA..
- Deadline: 2021-01-31 23:59:59
- Status: Not Submitted

The cards are arranged in two rows of four. The colors of the cards are: purple, orange, green, teal, light blue, dark blue, and brown.



Student Requests

Student portal is very vast in its functionality. Student can request for many different operations. Students can request for following processes from their portal.

- Course Drop
- Alternate Course Enrollments
- I Grade Request
- Clearance Request
- Final Degree
- Transcript
- Defer Term
- Term Resume
- Retest
- Leave
- Profile Update



Time Table

CMS provides the schedule of class for students. Students can view their scheduled classes for whole month along with days and time of the weeks.

NUST Campus Management Solution

Class Schedule

Term : Fall 2020 Month : January

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
08:00						
09:00				09:00 - 10:00 Architectural Design Studio VI... Classroom-17 (Lab)	09:00 - 10:00 Advanced Environmental Control... Classroom-17 (Lecture)	
10:00				10:00 - 11:00 Professional Practice And Eth... Classroom-19 (Lecture)		
11:00						

Invoices

Student can view their fee invoices in their portal. Student invoices are linked with student financials. Student can view the challan forms, ad hoc charges and any plenty charges in their portals.

Clearance

CMS provides one window for student clearance for graduating students. Student can place clearance request from portal. Student view the status of clearance in different department from their portal.

NUST Campus Management Solution

Clearance Request

Reference No	Session	Program	Email	Status	Action
14	2016	BS in Architecture	zarrish100@hotmail.com	pending	

Clearance Requests Approval Details

Approver Name	Designation	Request State	Remarks
Account Officer		Pending	
DD Admin		Pending	
DD Hostel		Pending	
Finance		Pending	
Laboratory		Pending	
Institute Library		Pending	
Central Library		Pending	



Hostel

CMS provides the students to request for hostel accumulation. Student can request from their portal by submitting a form to concerned department.

Apply for Hostel

Nust Registration Date * Merit No. * Orphan Child of Shaheed

Current Address

House/Apartment * Street * City * Zip Code *

Parents Information

Father Name * Father CNIC * Father Occupation Father Office address

Father Phone Father Mobile Mother Mobile Father Email

Family Information (if married)

Spouse Name Spouse CNIC Spouse Mobile Number of Children

Student Projects

Student project management provides the information of student project in their portal. Student can view their group members, supervisor and co-supervisor. Student can also view the details of their projects. Project milestones are attached from faculty members are available to student in portal. Student can attached document for milestone and can view the status of milestone.

Virtual Telepresence Robot Using Raspberry Pi

Group Members

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Project Descriptions

Description
This robot with a camera is placed in a remote location to capture the environment in visual form using Raspberry Pi (RPi). The captured visuals are displayed on the user's virtual reality (VR) headset.

Short Description
An added feature allows the camera to move in the direction of the user's head movements. This gives the user a real-time experience as if he is present where the robot is located.

Formal Description
This project is available at: Virtual Telepresence Robot Using Raspberry Pi

MS Thesis

CMS provides the tracking of MS thesis for students. Student can view the topic of thesis, supervisor name, Forms details and progress. Student can attach different document required for completion of their thesis.