



مركز بحوث الصوتيات  
و الاهتزازات و الهياكل الذكية  
كلية الهندسة، جامعة عين شمس



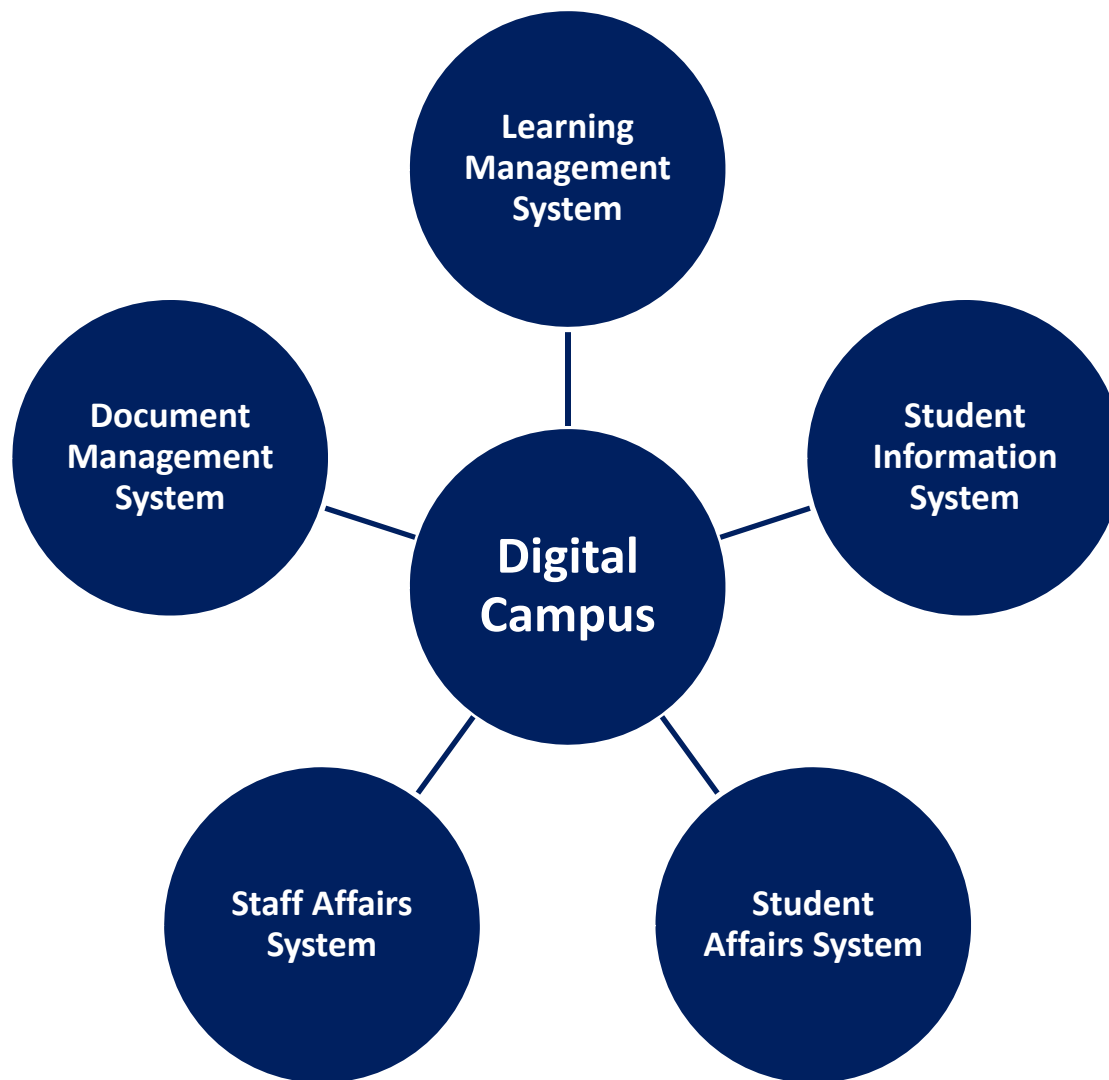
Center for Sound,  
Vibration & Smart Structures  
Ain Shams University

# *University Management System*

**Ahmed Yahia**

[a.yehia@eng.asu.edu.eg](mailto:a.yehia@eng.asu.edu.eg)

## *System Components*



# *Learning Management System (LMS)*



## Learning Management System (LMS)

- 📡 Environment where the student –teacher interaction happens.
- 📡 This is where e courses and virtual class rooms exist.
- 📡 Teacher can make different topics and announcements to his/her students.

### MDP252

Basic considerations in casting, Forging, Machining and assembly operations, Margins and factor of safety, Springs design, Design of permanent joints (Welding, riveting), Design of detachable joints, Prestressed bolted joints under static and dynamic loading, Design of shafts, Construction and design of couplings and chains.

 Course Specs

### Overview

#### Intended Learning Outcomes of the Course

By the end of this course, the student will be able to:

- Understand the basic considerations of machine construction and design
- Calculate machine elements
- Perform analysis, stresses and deflection calculations during machine design
- Formulate the stresses, deflections and rigidity during design calculations
- Solve design problems of mechanical joints
- Construct the different assemblies of machine element
- Present the detailed workshop drawings

The student shall attain the aforementioned objectives efficiently under controlled guidance and supervision while gaining the experience through application and analysis and different case studies.

#### Course Information

- Continuous Course in the two semesters
- No examination at the end of the first semester
- Mid-term exam in the first semester
- Total Marks: 200
- Final Exam: 120 (4 hours Exam)
- Year Work: 80
- Contact Hours: 2 Hrs Lecture + 2 Hrs Section every week
- Lectures: Tuesday 2nd - Lecture Hall D

 Lectures

 Exercises

 Exams

 Labs

 Projects

 Study Notes










 References

 Others


## Learning Management System (LMS)

- Teacher can divide his/her enrolled students into sections in his/her course.
- Teacher can give assignments to students to be submitted and corrected online.
- Teacher can take students attendance and record it online.

### Section Assignments



-  Section Assignment 1
-  Section Assignment 2
-  Section Assignment 3
-  Section Assignment 4
-  Section Assignment 5
-  Simulink Assignment
-  Section Assignment 6
-  Section Assignment 7
-  Lab Assignment

For more information please see the lab sheet [here](#).

-  Makeup Assignment

















For those who didn't deliver the first four assignments on time and want to improve their marks. Please find the assignment [here](#).

### Section Attendance

-  Section 1 (Section 1)
-  Section 2 (Section 2)

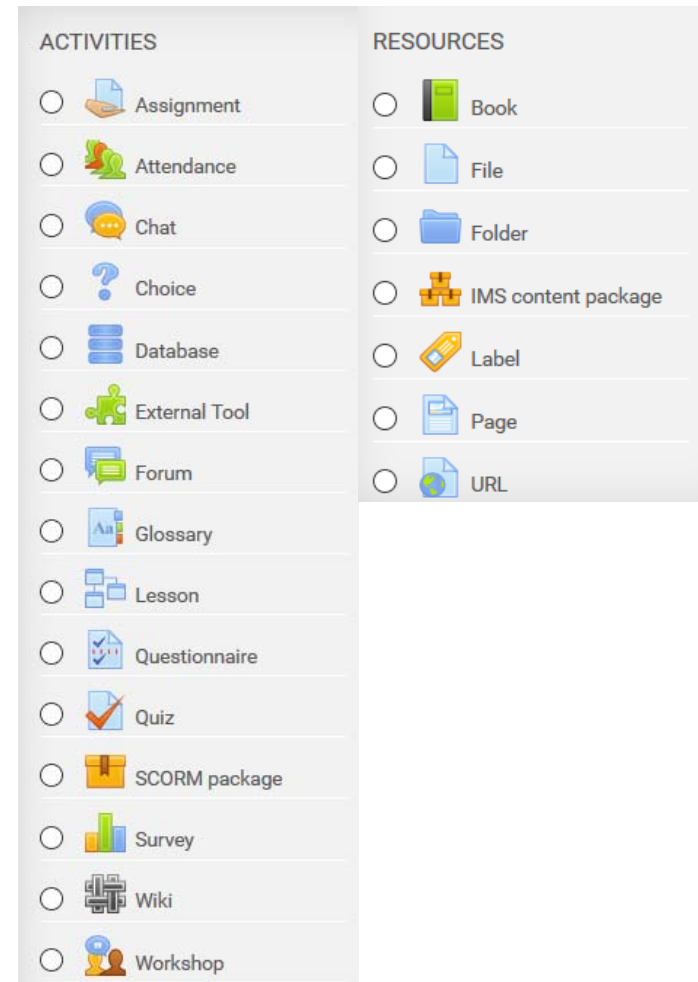
## Learning Management System (LMS)

- 🔊 Teacher can upload course material in folders to students.
- 🔊 Teacher can grade all students in the course
- 🔊 Grades are divided into categories and items according to the Bylaws
- 🔊 Student can view grade upon teacher allowance.

 . احمد طارق اسماعيل محمد	 1200108@eng.asu.edu.eg	-	-	10.00
 . احمد طارق صابر بكر	 1200110@eng.asu.edu.eg	-	-	8.00
 . احمد عادل عبد الفتاح نزهي	 1200117@eng.asu.edu.eg	-	-	5.00
 . احمد عبد الحليم عبد الحمى حجازي	 12e0011@eng.asu.edu.eg	-	-	9.00
 . احمد عبد العاطي مسعد صقر	 1200130@eng.asu.edu.eg	-	-	10.00
 . احمد علاء عبد الله احمد السيد العريضي	 1200146@eng.asu.edu.eg	-	-	-
 . احمد مجدي المغاوري رضوان	 1101679@eng.asu.edu.eg	-	-	9.00
 . احمد مجدي عبد الحميد فؤاد احمد	 1200166@eng.asu.edu.eg	-	-	10.00

## Learning Management System (LMS)

- 🔊 **Teacher can add a lot of other activities and resources.**
- 🔊 **Teacher can automatically tie activities that needs grading with the students grades.**
- 🔊 **Students and teachers can interact through forums, different types of chats and live virtual class rooms.**



# *Student Information System (SIS)*





## ***Student Information System (SIS)***

- ❖ This where students academic information and status are.**
- ❖ Students can view all their information and data.**
- ❖ Students can update their allowed data fields.**
- ❖ Students can register, add, drop and withdraw from courses.**
- ❖ Students can view their final grades and results.**
- ❖ Students can view their academic status at any time.**
- ❖ Students information and status could be viewed or edited by the privileged employees.**

# *Student Affairs*



## Student Affairs

- Students can submit their requests using the system.
- Online payment when needed.
- Students can follow up their requests status.
- Students affairs employees can process these requests.



# *Staff Affairs*



## Staff Affairs

- 🔊 Staff members can submit their requests.
- 🔊 Staff affairs employees can process these requests.
- 🔊 Responsible persons can approve or reject requests according to sequence and bylaws.
- 🔊 Both members and employees can follow up and the request is treated as a support case.

### نموذج انتداب خارج وداخل الجامعة

جدول التدريس بالكلية

دراسات عليا		بكالوريوس	
عملي	نظري	عملي	نظري
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الانتداب خارج الجامعة

عملي	نظري	أسم الجهة المنتدب إليها
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<input type="text"/>	<input type="text"/>	<input type="text"/>

الانتداب داخل الجامعة

عملي	نظري	أسم الجهة المنتدب إليها
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

المرفقات

1. اصل خطاب الجهة:  ...Browse

2. جدول الدراسة:  ...Browse




ملاحظات

[أرسال الطلب](#)

# *Document Management System*



## Document Management System

-  All different documents are categorized and stored on the system.
-  Documents are easily accessible with the privileged users for management and manipulation.
-  Digital signature system could be applied for security and reliability.



For Demonstration Only

نموذج ترقية مدرس مساعد

البيانات	
الاسم: أحمد يحيى	تاريخ التعيين: 2009-07-01
القسم: التصميم وهندسة الإنتاج	تاريخ الدرجة: 2009-07-01
الوظيفة: معيد	البريد الإلكتروني: a.yehia@eng.asu.edu.eg
تاريخ تقديم الطلب: 15-11-2017	تاريخ موافقة مجلس القسم: 15-11-2017
طالب الدرجة أحمد يحيى	رئيس القسم تامر النادي
التاريخ: 15-11-2017	التاريخ: 15-11-2017
الموظف المختص محمد صلاح	مدير الإدارة وفاء عبد العزيز
تاريخ موافقة عميد الكلية: 15-11-2017	
	عميد الكلية أيمن عاشور

# *Integration and Automation*







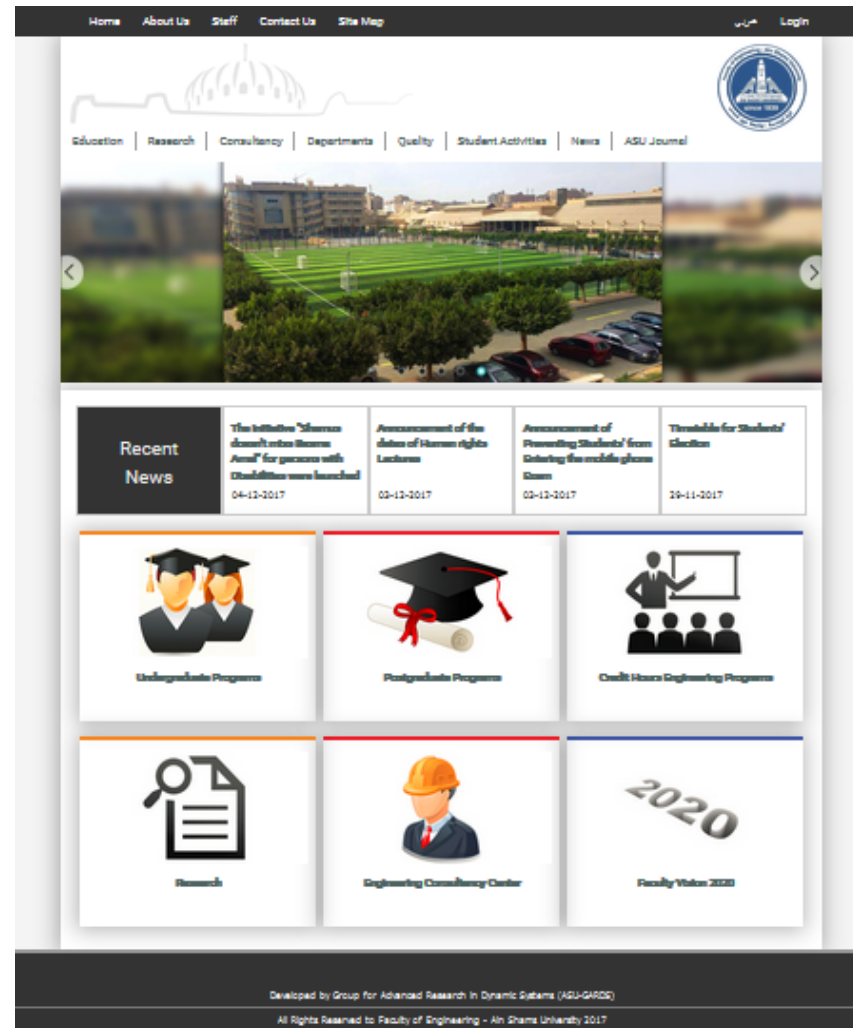
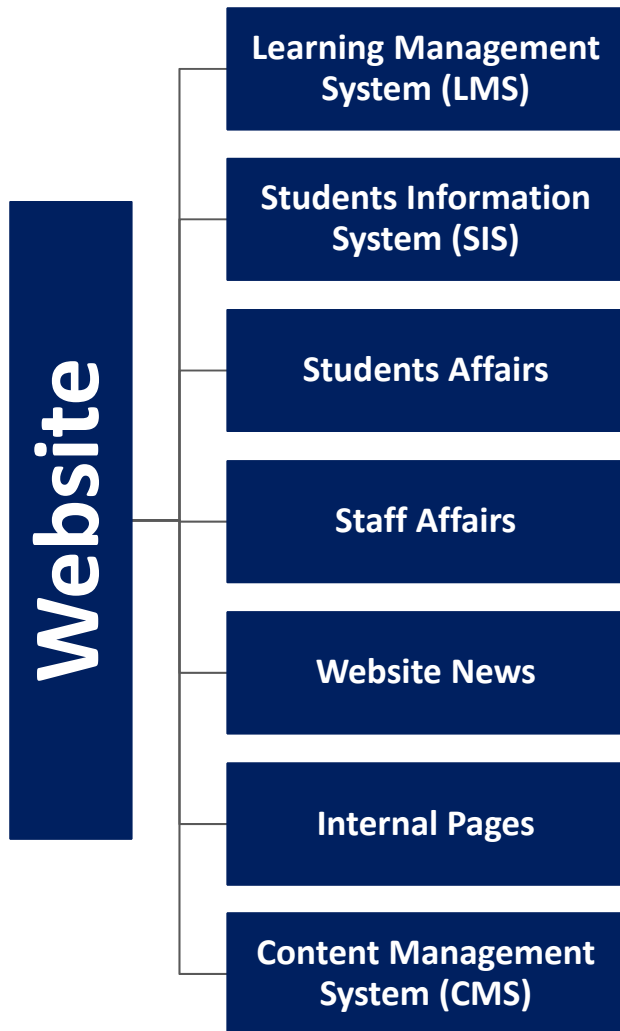
## *Integration and Automation*

- 🌀 **All previous systems are integrated together seamlessly.**
- 🌀 **Everything is recorded on a single normalized database.**
- 🌀 **Single user session for all systems.**
- 🌀 **Any change in a system results corresponding changes in other systems.**
- 🌀 **Security aspect must be applied.**

***Ain Shams University – Faculty  
of Engineering Website***



## Faculty Website



***Thank You***

