Knowledge Management Portal

Knowledge management (KM) is the process of creating, sharing, using and managing the knowledge and information of an organisation.
In this project our main aim is to create a knowledge management portal to computer science department of our University.

We have considered five genres of people in the University accordingly we tried to extract the information and share it among the required.

1. Design of User Interface which is the introduction to the KM portal
2. Authentication User access
3. Various APIs for different kind of application
4. Knowledge sharing - it might be any type of knowledge explicit or tacit .
5. It can also be learning from the facilities provided.
6. Updation / evolution / extension of existing knowledge
7. Storing of knowledge

This framework helps to manage knowledge.
Now let's design a KM portal ….

Layouts for each domain is specified in the diagrams

PES UNIVERSITY

Computer Science Department KM Portal

Rules to be part of our KM portal

Description

New to this portal

Register here

Student   **Faculty**   **Research**   **Management**   **Parent Login**

Student

My profile	Home	About us	Logout

Announcements
-
-
-
-
-
-
-
-

Academic

Scholarship

Library

Alumni

News

Recent project updates...

The portal design is categorized into three types of tabs.

Header tabs:
- Home
- My profile
- About us
- Logout

Content tabs:
- Library
- Alumni
- News

Specific tabs:
- Academics
- Announcements
- Scholarships

Header tabs does not offer knowledge but it gives meaning to the tabs which offers knowledge .

Content tabs gives generalized knowledge about the tabs in student portal.

Specific tabs give us knowledge or more details about the specific parts in student portal.

My profile:

Name :
USN   :
Branch :

Course name	Course code	Credits	Attendance
		1 - 4	

- **Course information**
- **Time table**

In Semester Assessment

Subject	Marks	Class Average

End Semester Assessment

Course code	Grade

UG / PG Course outline

Course Details

- Timetable
- Results
- Grading system
- Credits

Minor Courses

Scholarships

Name	Description	Eligibility	Apply now!!
			Web link

- The scholarships will be provided to students with high academic performance who require financial assistance, to encourage academic excellence and pave way for their career growth, as well as contribute to the society.

- Students can participate in college events and the winners will get scholarships as prize.

- It also provides information of scholarship such as eligibilities to apply for the scholarship.

Announcements:

Internships:

Company name	Company sector	Criteria	Part/Full time	Stipend	Web links

Placements:

Year	Company name	No.of students placed

Workshops and seminars:

Description	Speaker	Date , Time & Venue

College clubs and events

Club name	Event name	Contact details

It helps students to become more collaborative.

Extra Curricular: They look great on applications/resumes.

Networking: You will have the opportunity to meet and network with other people with similar interests.

Promote Awareness: They help promote education and awareness about the field/subject

Assistance: They give you the opportunity to give or receive assistance in classes in the fields that you study

THE AMATEUR SCIENTIST

Ordell Ugo
...beginning vision

PAPYRUS

PES Chronicles

SAMARPANA
FALLEN BUT NOT FORGOTTEN

talk+
...in letters the sentiment

Alumni information:

Alumni	Achievements

- Offering a suite of career resources & networking opportunities that we hope will help Starters.
- Support the very best students, invest in our academic staff & their work, help provide new resources and fund for community development activities.
- Alumni events information.

Library:

To provide an innovative learning environment with technology, education and culture and to create a distinctive library experience through services and resources for students and faculty in their pursuit of academic excellence.

- Books and availability
- Question papers
- Ebooks
- E-journals

News:

HOT Ekalavya award for Keerthana

By PESU in PES University, Sports, Student Achievements

Keerthana received the prestigious Eklavya award for her outstanding performance in Rowing competitions. The national rowing champion is a proud recipient of an impressive trophy from Karnataka state Youth Empowerment and Sports Department and a cash prize of Rs two lakhs. Keerthana is a student of fourth semester of Computer Science and Engineering program.

Notable performance at Kreedothsava and Revels

By PESU in PES University, Sports, Student Achievements

PES University students secured first place in men's Badminton and men's Chess events at Kreedothsava 18 organized by BMSCE on March 9-10 2018. They secured first place in men's football, second place in women's tennis and men's basketball and third place in men's chess events at Revels-18 organized by MIT, Manipal University from March 7 to 11, 2018.

B.Des Students Project Showcased at Prakalpa 2018 Won Best 'Furniture Design Award'

By PESU in Student Achievements, Uncategorized

Management

Home

About us

Log out

Placement Details & Statistics

Admission Fees Scholarship
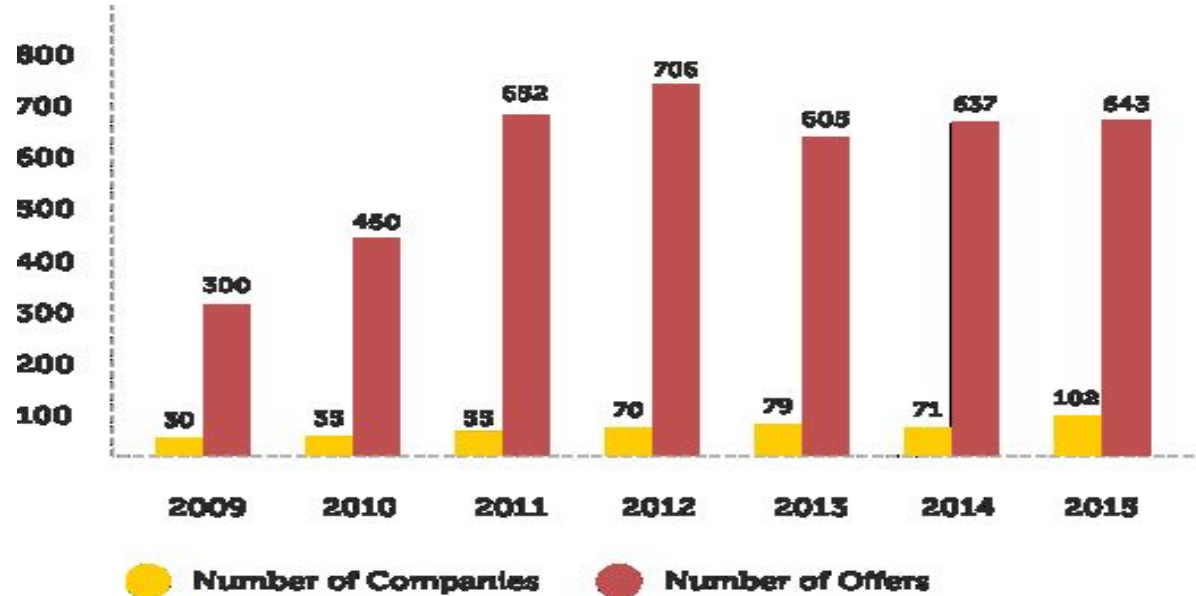
Events on Campus

Financial Allotments

NEWSLETTER!!
- Upcoming Activities
-

Club & Activities

Alumni

Reviews

Placement details & Statistics

Year	Number of placed student	Number of tier1, tier2, tier3 companies visited

Admission, Fees & Scholarships

-
- PESSAT and CET Exam details
- Fee structure
- Extra courses
- Scholarships details

Events on campus

- Fests
-
- Guest lectures
-
- Workshops & seminars

Financial Allotment

Year	Budget	New facilities offered

Impartus Videos

- Watch class videos based on faculty and sections
- Watch guest lectures

Club & Activities

Name	Description & contacts	Member facilities	Apply now!!
			web link

Alumni

- Alumni events
- Achievements

Reviews

Courses	Feedback	Suggestions

Teachers

My Profile

Students feedback

Q/A

Evaluation

Calender of Events

Course Info

Test time table

My time table

Teachers

This page is designed to provides teachers access to information and resources that support rich and rigorous instruction honoring individual learning styles.

 The Teacher Portal is a website available to PES-CSE teachers and instructional staff, and is accessible from any computer at any time. Easy to access, these beneficial resources will help you with your daily needs using technology in your school and classroom. As we grow our new web presence, this site will continue to grow as well while providing additional access to essential curricular and planning resources, student data, and reports to facilitate differentiated instruction.

Interactive tab gives us an opportunity to interact with the teachers as well as express our views in the form of subjective feedback

Some of the above info is extracted from static and some with dynamic databases

Teacher department knowledge sharing one of the main reasons for the development of institution.

1. Allows to teachers to login and use the portal for knowledge sharing.
2. Teachers can update their profile when needed.
3. Students can give subjective Feedback about the teacher.
4. Teachers can access their time table and the course info which they have to follow.
5. Other information like the test time table and evaluation methods can also be accessed by the teachers and students
6. Students can also interact with the Teachers about the subject in the form of question and answer.

Teacher's Profile:

Subject Taught	Years of Experience	Industry Interaction	Awards and Honors	Designations

Teacher research and Publications:

Current	Research Interest	Research Centers	Description Of Research	Publications and Conferences

Research

Description about the research department

Research News
-
-
-
-
-

Domains

Research faculty

Publication

Available research projects
-

⬇

Apply now!!!

All the above tables are extracted from the Dynamic database .

Research department knowledge sharing one of the main reasons for the development of institution .It is infact one of the driving factors.

Research departments carry out projects :

1. Continuing a major project in order to increase its features and make it more prominent.
2. A new research project based on the Tacit knowledge of one person or a group of people
3. Redoing an already done project in order to make it more efficient and accurate and also easy to use.
4. Trying to simulate an already existing machine or hypothetical machine.

As we saw above various reasons to carry out research one concept common in all is gaining of knowledge and our main concern is on how to share the knowledge .One of the driving methods of knowledge sharing now a days is to create a knowledge management portal.

Parents	Home	About us	Log Out

Info about founder

Info about college

Grades

Placement Details

Feedback

Q/A

Test Timetable

Calender of Events

Student Information

Student Information

Subject	Attendance	Marks

Portal for parents
1. Allows parents to login and use the portal for knowledge sharing.
2. Parents can get all the information about their child's performance.
3. Parents can give feedback for betterment of the institution.
4. Easily keep track of college events
5. Be informed about the placements happening in the campus

Security Features

The Department Portal incorporates the highest level of security. Parents/guardians can see only information related to the students they are authorized to view. The use of strong passwords, forced password reset and session timeouts ensure secure access.

Parents and guardians will only have access to the links which they have been given permission, to ensure student privacy. Students who have access to the Portal only have access to view their own data.

Special Features extension:

●Our team was thinking of having an online bot that not only answers the most commonly asked questions. Therefore we can automatically avoid single point failure , i.e. when an organization agent who "knows how" leave the organization.

●Evaluation - we also thought of making evaluation automated only for online tests , exams or assignment online / offline services.

●A single server which is least used stores information which is never used and the most used working data is stored in nearest server so that it could be accessed faster.

Technologies can be Used

PHP is used to imply the PHP Hypertext Processor language and it is an interpreted script language.

HTML , CSS and Javascript is used for styling and scripting

Python is one of the facile language to learn in the meantime its likewise intense and very adaptable.

SQL database

.NET is a framework for [Microsoft Sharepoint Application Development](#) and web-based applications. It is for the most part a Windows based framework. It is an excellent framework for enterprise solutions and applications developed for the monetary sector.

THANK YOU!