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Document Management System

Documents to be moved in the library electronically

TEMIS Project

Management Information System

- Work flow management system for document
- Retrieval of document by keywords
- Comments can be posted on document
- Tracking of documents in the work flow
- Archiving of documents

Mangement Information System

- Document Mangement System
- Student information System
- Faculty Information System
- Placement information system
- Communication systems
- Records Mangement system
- Fee management and payment
- Reports

Document Management System

- Documents to be moved in the intranet electronically
- Work flow to be assigned to the document
- Retrieval of document by keywords
- Comments can be posted on document
- Tracking of documents in the work Flow
- Archiving of documents

Student Information System

- Admission
- Registration
- Financial aid
- Courses available
- Examination schedules
- Active students
- Alumini
- Results

Faculty Information System

- Discipline wise faculty details
- Projects scheduled by faculties
- Budget allocation for faculties
- Faculty loading
- Current status of faculty

Bulletin Boards

Organizer

Placement Information System

- History
- Information for Industries
- Current students available
- Information for students

are vital, archival or confidential according to accepted archival and records management practices

Communication Systems

- Voice communications over the intranet
- Email facilities
- Fax over the intranet
- Voice Mail
- Instant messaging
- Bulletin Boards
- Organizer

Record Management System

- Development of records retention schedules
- Management of filing and information retrieval systems in any media
- Ensuring adequate protection of records that are vital, archival or confidential according to accepted archival and records management practices

Record Management System

- Economical and space-effective storage of inactive records
- Control over the creation and distribution of forms, reports and correspondence
- Maintenance of public information records in a manner to facilitate access by the public

Fees Management & Payment

- Due Dates for payments
- Online payments – Credit Card, through nominated banks
- Defaulters list

Reports

- Year wise department wise results
- Training /refresher programs
- Work load of faculty
- Budget reports
- Any other reports

Benefits

- Improved decision making
- Higher employee productivity
- A greater ability to control costs
- Better system development and integration
- Preservation and protection of the university's history

Online Data Processing of Examinations

Registration

Registration forms, filled by students are submitted to the examination branch and are fed to computer

From the master file, they are checked for validity (already passed subject may be registered again etc.)

Internal Marks

Internal marks are sent by the colleges for regular students

Marks are obtained from master database for supplementary students

External Marks

External Marks come against coded numbers. Code vs HTNO come separately.

These two are entered separately and decoded to get HTNO vs Marks

Results Processing and Dispatch

- Results are printed for each college separately and are sent by courier.
- These marks are then transferred to the master file.
- Once the Internal and External Marks are obtained, they are processed using the given logic (like moderation, minimum marks to pass etc.).
- Displaying the results on the university web site.

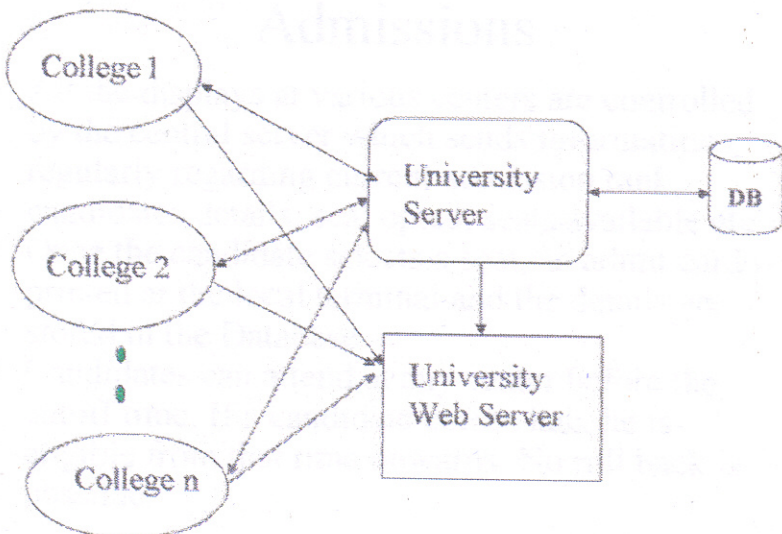
Proposed Examination System and Advantages

- Entry is done at the college level and will be sent to the university server over network, hence mistakes are reduced.
- Results are sent back over the network to the colleges immediately after the processing of results.
- General circulars and other information can also be sent via network effectively, economically and efficiently.

Proposed Examination System and Advantages

- Results are put in the web server so that any student can access the web to see his/her result from anywhere. Even parents can monitor the progress of their children.
- Better communication and exchange of information using the same network (Like VOIP, Instant messenger, fax server etc.).
- Financial details can also be collected from colleges, so that accounts are automated.

Schematic Diagram of the Proposed System



Online Counselling for Student Admissions

Online Counselling for Student Admission

- When a candidate goes to a center, he can see the current admission rank, candidates details, seat opted, seats available etc.
- Once the candidate selects a seat, an admit card is printed at the local terminal and the details are stored in the Database.
- Candidates can attend at any center before the cutoff time. If a candidate comes late, he is eligible from that time onwards. No roll back is possible.

Online Counselling for Student Admissions

- All the displays at various centers are controlled by the central server which sends information regularly regarding current admission rank, candidates details, seat opted, seats available etc.
- Once the candidate selects a seat, an admit card is printed at the local terminal and the details are stored in the Database.
- Candidates can attend at any center before the cutoff time. If a candidate comes late, he is eligible from that time onwards. No roll back is possible.

Online Counselling for Student Admissions

- While allowing a candidate to select a seat, all the terminals are synchronized so that the order will not be disturbed. The central server takes care of this.
- While a candidate is selecting a seat, next candidate can be in the pipeline, observing the vacancy position and can tentatively select a seat. This reduces the selection time.
- Once a candidate opts for a seat, the search will be done using the given logic. If that seat is still vacant, it will be allotted to the candidate and the database is updated at the server.

On-Line Admission Procedure

- All the displays at various centers are controlled by the central server which sends information regularly regarding current admission rank, candidates details, seat opted, seats available etc.
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Enhancements Required

- A copy of the student's details can be sent to the bank counter located within the premises to collect the fee and the details of the collected fee can be sent back to the server.
- Undoing an allotment should be possible in case of necessity
- Conversion of seats from one category to another in case the candidates in that category are exhausted.

Enhancements Required

- Blocking a seat in case of controversy.
- Changing the category or other details (like region, etc.) in case of necessity
- Alternative arrangement in case of a computer/network/other hardware failure

Platform Proposed with Justification

- **OS:** Linux (Red Hat) which has support from all major vendors like HP, IBM, Sun, Compaq, Dell to name a few.
- **Database:** Postgresql (Improved version of Ingress)/ MySQL which is used by majority of the web sites worldwide. Postgresql is better than Oracle 8 and 8i, Ingress, DB2 etc on all standard bench marks for speed, stability, scalability and security

Platform Proposed with Justification

- **Software Tools:** Java for front end (GUI) which can run on almost all platforms so that no specific requirement at the colleges. C++/SQL for data processing for speed and security.
- **Network:** NICNET for its privacy and security

Scalability

- The system can support theoretically any number of clients and any amount of data
- All the software selected is constantly upgraded and supported
- Totally object oriented design and hence easy to make modifications
- Seamless integration of any new module since OOP is used

Future

Admissions can be made over internet
provided the following issues are sorted out:

- Legal Issues
- Non-availability of internet for some students
- Certificate verification
- Confidence of the students about the transparency of the process

Thank You