Teachers' Online Leave Management System For HSTU

A Leave Management System
Developed By

Md. Rayhanur Rahaman Rubel ID: 1302095	Md. Mamun Ur Rashid ID: 1402171	Joyonto Roy ID: 1402130

Department of ECE

Hajee Mohammad Danesh Science & Technology University, Dinajpur

OVERVIEW

- A leave management software developed for HSTU
- For easily managing and processing the leaves of the teachers
- A web based system for easy and remote access
- Fully compatible with HSTU academic & Administrative system
- Provides tracking of leave applications and realtime reports

OBJECTIVES

- To develop an automated leave management system for HSTU
- To reduce the complexity of manual leave management system
- To remove the paper works from the leave management system
- To track each and every activities going through the system
- To develop a digital system without changing the current administrative system
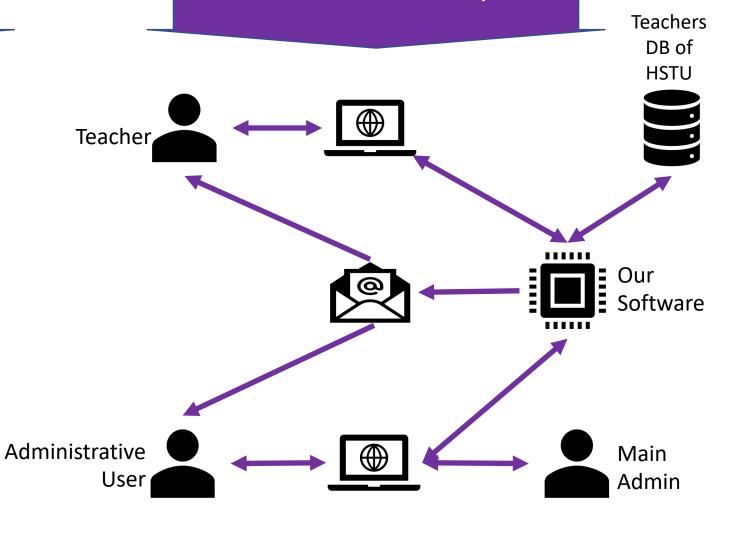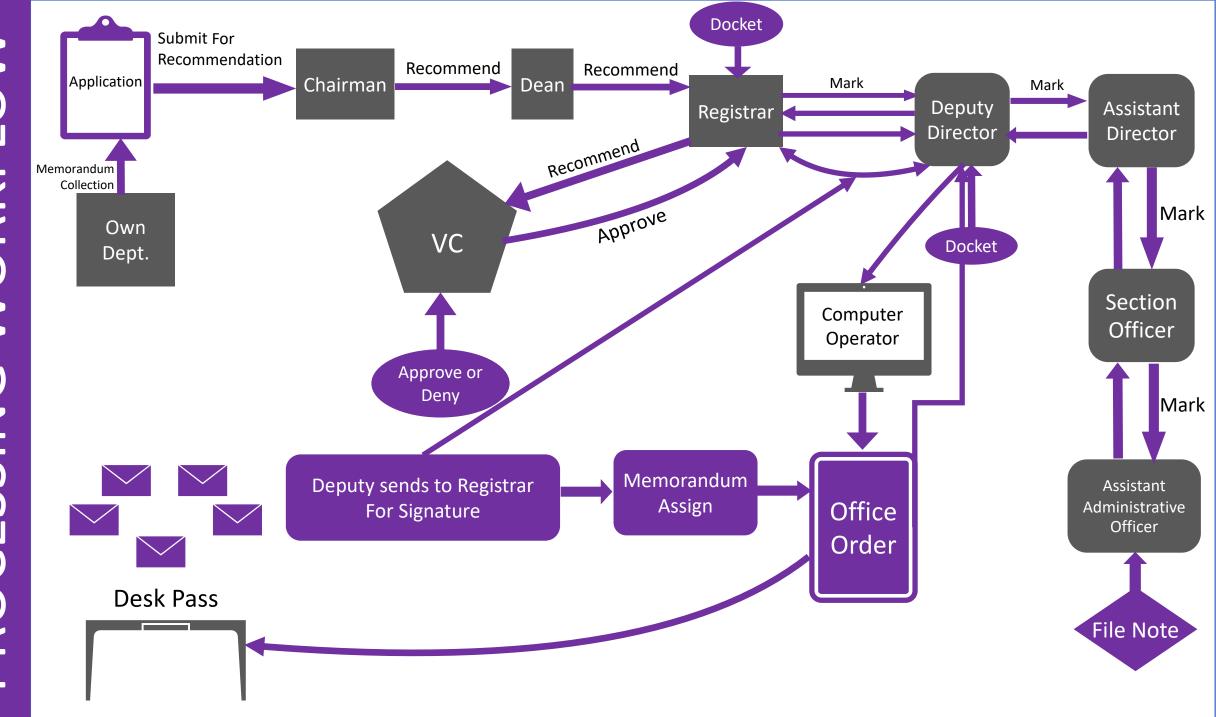
PROCESSING WORKFLOW

Application — Submit For Recommendation → Chairman — Recommend → Dean — Recommend → Registrar

Own Dept. — Memorandum Collection → Application

Docket → Registrar

Registrar — Mark → Deputy Director — Mark → Assistant Director

VC — Recommend → Registrar

Registrar — Approve → VC

Approve or Deny → VC

Docket → Computer Operator

Docket → Deputy Director

Assistant Director — Mark → Section Officer

Section Officer — Mark → Assistant Administrative Officer

Deputy sends to Registrar For Signature → Memorandum Assign → Office Order

Computer Operator → Office Order

Office Order → Desk Pass

File Note → Assistant Administrative Officer

Desk Pass

APPLICATION MECHANISM

CHAIRMAN

DEAN

REGISTRAR

VICE CHANCELLOR

TEACHER

Leave Application

Designation A User 1

OFFICE ORDER

Teacher starts his leave online and from the day he started his leave, the leave will be counted. Until then he is considered as "ON LEAVE"

Designation X User X

Designation A User 2

COMPUTER OPERATOR

REPORTS

VC & Registrar	Dean	Chairman	Teacher	Administrative Users
• All of his forwarding and approvals • All the teachers of HSTU • All teachers currently on leave • When leaves of all teachers will expire.	• All of his forwarding and approvals • All teachers of his faculty • Teachers of his faculty currently on leave • When the leaves of the teachers will expire	• All of his forwarding and approvals • All teachers of his Department • Teachers of his department currently on leave • When the leaves of the teachers will expire	• All of his drafts, processing, confirmed applications • Application's current status • Leaves he has taken	• All of his forwarding • All applications went through him.

ENVIRONMENT

Server Side Language
1. PHP
2. SQL
3. XML

Backend Framework
1. Slim Microframework

Client Side Language
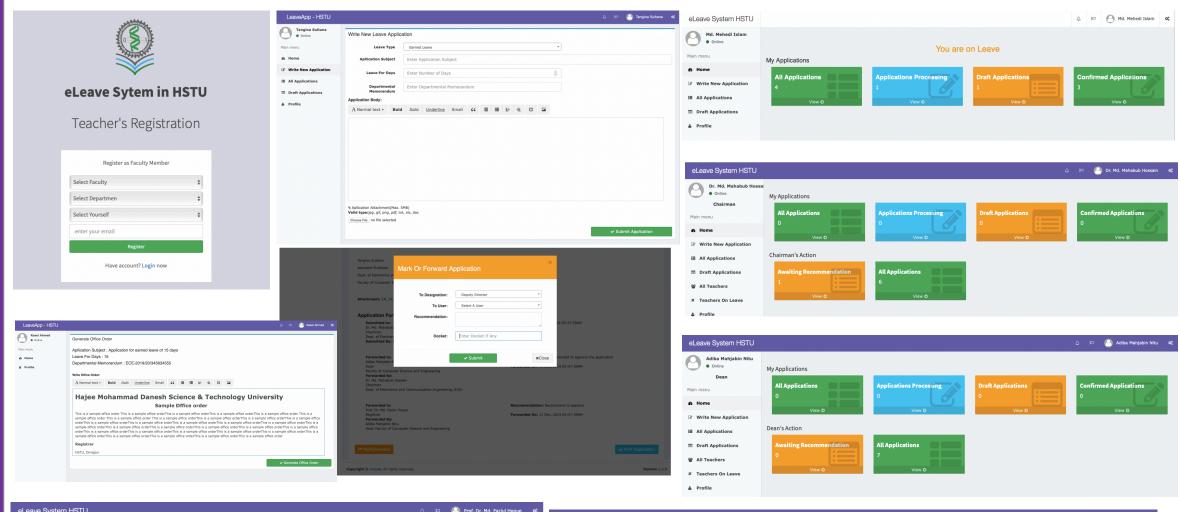1. JavaScript
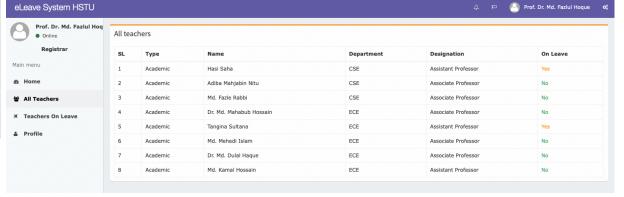2. AngularJS
3. Ajax
4. JSON
4. HTML
5. CSS

Database Used
1. MySQL

Teachers' Database of HSTU
1. MySQL

OUTPUTS

CONCLUSION

Dependency on manual processes as the interrelated systems are manual

Best benefit comes when the whole system becomes digital

FUTURE WORK

Further features implement

Include administrative officers and employees' leave system

Make more user-friendly

Remove all possible issues from the software