

Enhancing Educational Organisation Efficiency Using ServiceNow

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Date[30/06/2025]

1. Introduction

Educational institutions face growing challenges in managing IT services, administrative workflows, and student support. ServiceNow, a cloud-based platform, offers a unified solution to streamline service management, automate tasks, and improve communication between departments.

2. Objectives

- To automate service requests and incident management in an educational setup.
- To track student and staff issues through a centralized ServiceNow portal.
- To improve operational efficiency by integrating various institutional services.
- To enable data-driven decision-making through dashboards and reporting.

3. Scope of the Project

This project focuses on implementing ServiceNow for:

- IT Service Management (ITSM)
- Facilities Management
- Student Support Services
- HR Services (for staff)
- Knowledge Management and Self-service Portals

4. Tools and Technologies

Platform: ServiceNow (SaaS)

Modules Used: Incident, Request, Change, Knowledge, Service Catalog

Languages: JavaScript (for scripting and automation)

Integration: Email, LDAP, Student Database (via REST APIs)

5. System Architecture

[User Portal] -> [ServiceNow Interface] -> [Service Catalog/Incident Module] -> [Assigned Department]

Front-End: Self-service Portal

Back-End: Workflow Engine, Assignment Rules, Notification Engine

6. Workflow Example: IT Support Request

1. Student logs in to the self-service portal and raises an IT issue.
2. Incident is created automatically.
3. Notification sent to IT staff.
4. Ticket assigned using automated rules.
5. Status updated as work progresses.
6. User receives resolution, and ticket is closed.

7. Benefits of Using ServiceNow in Education

- Reduced Response Time
- Improved Issue Tracking
- Clear Reporting & Analytics
- Better Student & Staff Experience
- Custom Workflows for Academic and Non-academic Operations

8. Challenges Faced

- Resistance to change from staff.
- Training requirements for new users.
- Integration complexity with legacy systems.

9. Future Enhancements

- Full automation of onboarding/offboarding students.
- AI-based chatbot for common queries.
- Integration with Learning Management Systems (LMS) like Moodle or Canvas.

10. Conclusion

ServiceNow proved to be a transformative solution for our educational institution. It enhanced operational transparency, accountability, and responsiveness, making it an ideal platform for future digital transformation initiatives.