



Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation:

All India Council for Technical Education (AICTE)

PS Code:1465

Problem Statement Title: A unified portal for developing a model Curriculum for all the AICTE Approved Institutes.

Team Name: Team Edufusion Catalysts

Team Leader Name: Raj Rawariya

Institute Code (AISHE): U-0620

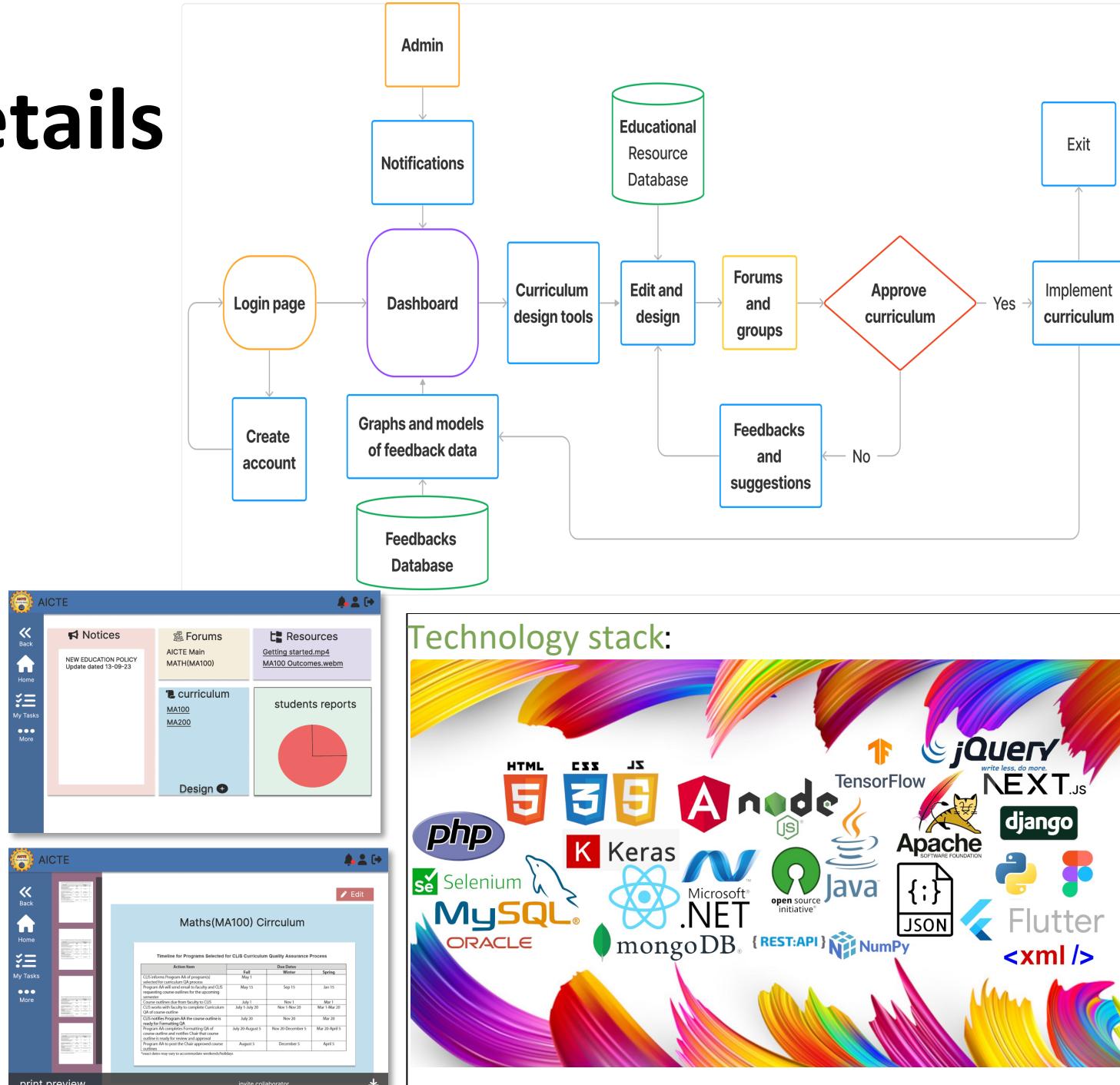
Institute Name: National Institute of Technology Goa

Theme Name: Miscellaneous

Idea/Approach Details

We are implementing the solution to the problem by building a web portal where all teachers of AICTE could collaborate and decide the curriculum plan for academia

- ✓ A secured portal with authentication for Teachers/users.
- ✓ Teachers could use **designing and editing tools** to prepare curriculum.
- ✓ Teachers can then **track the student's data** received across different institutes and **analyse it using graphs**.
- ✓ Forums and groups for interaction and collaboration of teachers.
- ✓ Based on feedbacks and requirements, received across AICTE approved institutes, teachers could make changes in academic curriculum plan.



Technology stack:



Idea/Approach Details

Use Cases

- **Personalized dashboard** where teachers can navigate, monitor curriculum status and receive notifications based on their preferences.
- Teachers could choose from **curriculum templates** to design curriculum online.
- Use **database resources** to research and compare previous curriculums.
- **Assessment design tool** with different assessment patterns along with previous student feedbacks.
- **Comment, version control and print preview option** to design Curriculum.
- Share the designed curriculums to **secure discussion forums** where experts can **study, discuss, edit and approve** academic curriculum.
- **Analytics and reports** of students performance, completion rates, and assessment outcomes.

The figure consists of three vertical screenshots of a digital platform interface, likely AICTE, for curriculum management. The top screenshot shows a dashboard with sections for Resources (including a video and a web-based document), Forums (AICTE Main MATH(MA100)), and a sidebar for curriculum design (MA100, MA200) and notices (NEW EDUCATION POLICY Update dated 13-09-23). The middle screenshot shows a detailed curriculum page for Maths (MA100) with statistics: Pass = 900, Fail = 100, Total = 1000, and Pass Percent = 90%. It also includes an 'Outcome' section with a pie chart. The bottom screenshot shows a forum thread for 'Maths(MA100) Cirriculum' featuring posts by Professor Vikas S and Prof. S Murty, and a review section with a 5-star rating.

Dependencies / Show stoppers

- ✓ Self-sufficient secure authentication
- ✓ User-friendly curriculum editing tool
- ✓ Version control system
- ✓ Design course materials, syllabus, learning outcomes.
- ✓ Integration with educational resource databases ,third-party libraries and **APIs** (like discovery, photomath, ted talks , etc.) to access and incorporate diverse educational materials into the platform.
- ✓ Forums for sharing and discussing
- ✓ Adequate training and support using **chatbot**.
- ✓ Student performance data analytics using **pareto charts, pi charts, bubble chart and line graphs**.

Training and Learning Bureau
Released List of
**ATAL Faculty Development
Programme 2023-24**

No-Cost
FDPs
Visit : aicte-india.org/atal
AICTE Encourage Participant to Apply
FDP for Academic year 2023-24 and take
full benefit.

Quick Links
Web portal
Ministry of Education
Scholarship programmes

Announcements
Education policy
Training Schedule

AICTE

Home About Us Initiatives

ATAL Faculty Development Programme 2023-24

Username _____
Password _____
Forgot password?
sign up

AICTE

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Resources

video written

- Getting started.mp4
- Curriculum outline features.webm
- MA100 Learning Outcomes.webm
- MA200 Learning Outcomes.webm
- MA100 Lectures.mp4
- MA200 Lectures.mp4

AICTE

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Maths(MA100) Curriculum

Timeline for Programs Selected for CLIS Curriculum Quality Assurance Process

Action Items	Fall	Due Dates	Winter	Spring
CLIS informs Program AA of program(s) selected for CLIS Curriculum QA process	May 1	Sept 15	Jan 15	
Program AA will send email to faculty and CLIS regarding the QA process and timeline for the semester	May 15	Sept 15	Jan 15	
CLIS works with faculty to complete Curriculum QA of course outline	July 1 - July 20	Nov 1 - Nov 20	Mar 1 - Mar 20	
CLIS notifies Program AA the course outline is ready for review and approval	July 20	Nov 20	Mar 20	
Program AA completes Formulating QA of course outline and notifies Chair that course outline is ready for review and approval	July 20-August 5	Nov 20-December 5	Mar 20-April 5	
Program AA to post the Chair approved course outline	August 5	December 5	April 5	

print preview invite collaborator

AICTE

username/email _____
password _____
Forgot password?
sign up

AICTE

Sign Up

Name _____
Middle name _____
Last Name _____
Mobile No. _____
Date of birth _____
Aadhar card _____

AICTE

Resources
Getting started.mp4
MA100 Outcomes.webm

Forums
AICTE Main
MATH(MA100)

curriculum
MA100
MA200

Design +

notice
NEW EDUCATION POLICY
Update dated 13-09-23

AICTE

Forums
AICTE MATH(MA100)

Professor Vikas S
ABC Institute Of Technology
[Curriculum Design for MA100\(version-1.0\)](#)

Prof. S Murty
Expert Consultant
[Curriculum Design for MA100\(version-1.1\)](#)
+Course outline
+Matrices
-Fobenius Theorem

Discussions Prof. S P
Expert Consultant
Matrices in 1st Semester and power series in 3rd or 4th semester would be great!

Review ★★★★☆

AICTE

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Notices
NEW EDUCATION POLICY
Update dated 13-09-23

Forums
AICTE Main
MATH(MA100)

Resources
Getting started.mp4
MA100 Outcomes.webm

curriculum
MA100
MA200

students reports

AICTE

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Maths (MA100)

Pass =900
Fail =100
Total =1000
Pass Percent =90%

Outcome

Graph

AICTE

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Forums
MATH(MA100)
AICTE Main
AICTE Grievance
Ministry of Education
Maths(MA200)

AICTE MATH(MA100)

Professor V S
ABC Institute Of Technology
[Curriculum Design for MA100\(version-1.0\)](#)

Professor S M
Expert Consultant
[Curriculum Design for MA100\(version-1.1\)](#)
+Course outline
+Fobenius Theorem
-Matrices

Discussions

AICTE

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Students reports(2023-24)

Select Curriculum
My Curriculums
Maths(MA100) [version-1.1]
Maths(MA300) [version-1.1]

Select Assessments
My Assessments
Maths(MA100) [version-1.1]
Maths(MA300) [version-1.1]

Shared Curriculums
Maths(MA200) [version-1.5]

Shared Assessments
Maths(MA200) [version-1.5]

AICTE

Maths(MA100) Curriculum

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print preview share save

AICTE

video written

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- Curriculum outline features.webm
- MA100 Learning Outcomes.webm
- MA200 Learning Outcomes.webm
- MA100 Lectures.mp4
- MA200 Lectures.mp4

AICTE

Maths (MA100)

Pass =900
Fail =100
Total =1000
Pass Percent =90%

Outcome

pi chart

AICTE

Template Resources

Maths Curriculum

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print preview save

AICTE

Template Resources

Maths Curriculum

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print preview save

Team Member Details

Team Leader Name: Raj Rawariya

Branch: B.Tech. Stream: EEE Year: II

Team Member 1 Name: Harsh Khandelwal

Branch: B.Tech. Stream: EEE Year: II

Team Member 2 Name: Ramesh Choudhary

Branch: B.Tech. Stream: EEE Year: II

Team Member 3 Name: Agnibh Chakraborty

Branch: B.Tech. Stream: EEE Year: II

Team Member 4 Name: Ahan G. S.

Branch: B.Tech. Stream: ECE Year: II

Team Member 5 Name: Khushi Arvind

Branch: B.Tech. Stream: CSE Year: II