

# Capstone Project

## Project Plan

**Project Title:** Highly scalable web application platform

**Project SL No.:** 39

**NU Faculty Mentor:** Arijit Karati

**NIIT Faculty Mentor:** Bhavesh, Manish, Pradeep

**Application Name:** NUera

## Team Members:

Name	EmailId	Enrollment	Number	Role
Priyanshu Bhatnagar	<a href="mailto:Priyanshu.bhatnagar@st.niituniversity.in">Priyanshu.bhatnagar@st.niituniversity.in</a>	U101114FCS107	7737832939	Frontend & Backend
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Rashika Bhargava	<a href="mailto:Rashika.bhargava@st.niituniversity.in">Rashika.bhargava@st.niituniversity.in</a>	U101114FCS188	7023695530	Frontend
Raghav Mittal	<a href="mailto:Raghav.mittal@st.niituniversity.in">Raghav.mittal@st.niituniversity.in</a>	U101114FCS111	8700608171	Backend
Rajdeep Mukherjee	<a href="mailto:Rajdeep.mukherjee@st.niituniversity.in">Rajdeep.mukherjee@st.niituniversity.in</a>	U101114FCS115	9163849432	Backend
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## Description

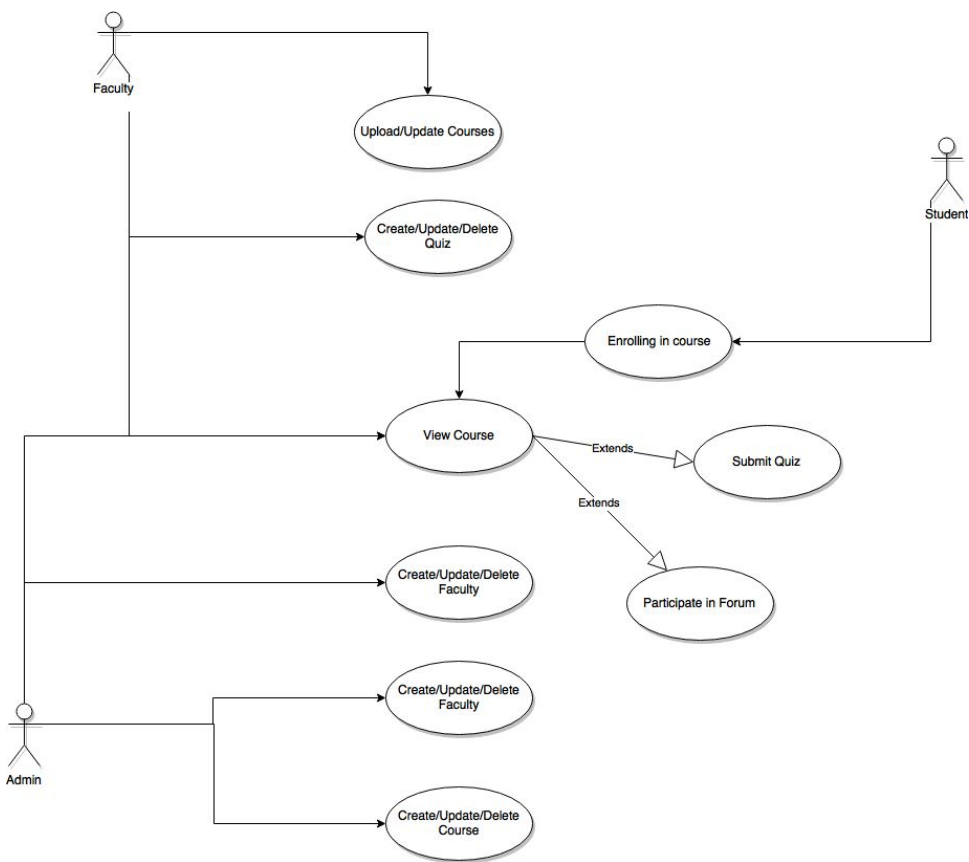
1. NUera is a learning platform designed to provide educators, administrators and learners.
2. It is a service-oriented architecture (SOA) based application.
3. It is a platform where students can learn new skills, by enrolling in different courses created by experts.

## Project scope

There are different micro services running at the backend.

1. Service 1: User Management (Login/Registration/User Data/Course Enrollment)
2. Service 2: Course Creation/Updation /GET/Delete (Videos, Textual data, Links)
3. Service 3: Forum / Discussion
4. Service 4: Database Caching.

# Project Use Case



# Timeline

## CapstoneProject



Primary Column	NumberOfDays	Owner	StartDate	EndDate	Column6
<b>Understanding Project &amp; Requirement Gathering</b>	6				
Project High Level Discussion	2	Team	15/01/18	17/01/18	
Technical Feasibility Study	2	Team	18/01/18	20/01/18	
Scope and Module Discussion	2	Team	20/01/18	22/01/18	
<b>Learning of Technology</b>	15				
Python + Django	8	Team	23/01/18	31/01/18	
Angular	4	Team	31/01/18	05/02/18	
MySQL	3	Team	06/02/18	09/02/18	
<b>Software Architecture &amp; Database Design</b>	7				
Architecture Design	1	Team	10/02/18	11/02/18	
Setup Development Environment	2	Team	12/02/18	14/02/18	
Database Design	4	Sriram	15/02/18	20/02/18	
<b>Service 1 - User Management System Module</b>	10	Priyanshu & Rajdeep	21/02/18	04/03/18	
<b>Service 2 - Course Module</b>	10	Raghav & Nikhita	21/02/18	04/03/18	
CRUD - Courses	5		21/02/18	26/02/18	
Assign Faculty To Course	5		27/02/18	04/03/18	
<b>Service 3 - Form Module</b>	10	Sriram & Rajdeep	21/02/18	04/03/18	
CRUD Form Discussion	10		21/02/18	04/03/18	
Front End Design and Implementation	10	Rashika	05/03/18	15/03/18	
Synchronous Communication among Services and Integration	10	Priyanshu & Rashika	16/03/18	26/03/18	
<b>Test Plan</b>	5				
WhiteBox	2.5	Module Developers	27/03/18	29/03/18	
Blackbox	2.5	Nikhita	30/03/18	02/04/18	
<b>Deployment</b>	5				
Environment Setup	1	Team	03/04/18	04/04/18	
Deploy Web App	4	Team	05/04/18	09/04/18	

