

Final Year Project Proposal Form

Please complete this form and have your project proposal approved by your proposed supervisor. In addition, you are required to read and sign the declarations at the bottom of the form. Please submit your completed form via Brightspace.

You can type or hand-write the information in the form as long as it's legible. Digital supervisor signatures are acceptable.

Name	Tianxing Fan
Student ID	20100035
Course Code	LM110
Supervisor Name	Salim Saay
Project Title <i>(initial title or working title)</i>	Modernizing the SRN Website Backend and Implementing Secure Blockchain Archiving

Project Description

*A brief description only for project suggestions chosen from the list provided. Own suggestions require a detailed description (see the section titled **Description of Own Proposed Project**)*

This project was suggested by my supervisor with a focus on the SRN website (<http://www.srn.ie>). The goal is to conduct a comprehensive analysis of the website, proposing and implementing modern backend solutions to enhance its usability and interactivity, ensure its long-term sustainability, and integrate a blockchain-based secure archive for its valuable research data, thereby improving trust and data integrity.

Sign-off by Proposed Supervisor

Supervisor Signature <i>(Proposed Supervisor)</i>	
Supervisor Name	Salim Saay
Date	23/09/2025

Environment Required

You will be allocated a computer in the fourth year lab regardless of whether you have your own one or not. This information helps us to allocate machines more fairly as well as address any specific requests you might have.

Operating system required for your project

Item	Write Yes/Y where appropriate
• Mac	
• Linux	
• Windows	Y
• Mac OSx	
• Other (please provide specific details)	

Languages you propose to use

C#, SQL, Solidity

Specialist software, hardware and so forth you require (any framework, access to a specific database and so forth)

ASP.NET Core, EF Core, PostgreSQL, Nethereum, Truffle, Ganache, Git, Swagger/Postman
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Your Computer

Question	Write Y or N
Do you have a computer suitable for this project?	Y
Is it portable?	Y

Description of Own Proposed Project

This page is only required for Own project proposals. It should contain a detailed description of the project and should include sections on 'Background Research to Date', 'Key Aims', 'Special Resources Required' and 'Significant Milestones'. This description should be at least 500 words long.

Declarations

Declaration 1: FYP Guidelines Document

I declare that I have read and understood the FYP Guidelines document provided to me on Brightspace. I declare that I have read and understood the deadlines and associated penalties as outlined in this document.	
Student Signature	Tianxing Fan
Date	22/09/2025

Declaration 2: Ethical Approval

I declare that I have understood that undertaking a project involving human participants, including but not limited to interviews, user testing or questionnaires will require approval from the Faculty of Science and Engineering Ethics Committee. While it is the responsibility of the supervisor to guide the application process, it is the student's responsibility to drive it. Ethics applications have to be submitted to the S&E Ethics Committee by the first Thursday in November.	
Student Signature	Tianxing Fan
Date	22/09/2025