



Prifysgol Cymru
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MAJOR PROJECT

AN INVESTIGATION INTO ENROLMENT SYSTEMS FOR A LEVELS AT NPTC GROUP OF COLLEGES BY OLIVER SMITH (219240)



GRŴP COLEGAU
NPTC
GROUP OF COLLEGES

INTRODUCTION

NPTC Group of Colleges was formerly known as 'Neath Port Talbot College', but in 2013 they had a merger with Coleg Powys. Since their merger, they have now got a total of nine campuses and covers 30% of the country's landmass. With the two colleges now being merged, they had two different systems. The college currently uses a system which is causing problems due to its repetitive nature and the lack of organisation.

THE AIM

To design, develop and implement software that would allow students at NPTC Group to self-enrol onto A Level courses, determined by grades and subjects chosen.

OBJECTIVES

To produce a literature review to research and review:

- Definition of enrolment systems
- How they are used in Education
- A Levels
- Available Methods and Tools

Produce software that meets the aim.

Create a useable interface, that takes the student through the enrolment stage.

Evaluate the success of using the system.

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Create username and password

Username:

Password:

☐ Discuss the process of enrolment. Student will need to take note of username and password.

Send details to student email

Email:

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Username:

Password:

☐ Show Password

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Do you wish to stick with your three options?

1.
2.
3.

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Uh Oh!
It looks like you are missing a qualification.

	Pre-GCSE	GCSE Foundation	GCSE Higher
English Language Grade	info	info	info
Welsh	info	info	info
Maths	info	info	info
Core or Additional Science	info	info	info
Triple Award Science	info	info	info
Level 2 Certificate	info	info	info
Level 2 Diploma	info	info	info

MAIN FINDINGS

An enrolment system is a way of signing yourself or someone to an official course, college or group. They are used right across the education sector. Not just in the UK, but globally.

A Levels are known as the "school leavers" qualification. Students will study 3 subjects over three years. A Levels are valued by unis, although equivalents such as BTEC, Welsh Bacc may be accepted. School leaving age is 16, meaning they are typically studied by ages 16 - 18.

Typical tools include EBS by Tribal, Student Management by Unit 4, web and desktop applications.

Suitable languages that can be used is VB, C# and Java.

Laws to be considered: DPA, School leaving age and Computer Misuse Act.

RESULTS & CONCLUSIONS

- The main aim of the project, was met.
- All data is stored securely in the database in SQL Server.
- Testing and user feedback gave a clear insight on what works, what doesn't and what can be improved.
- Using diagrams such as ERD, DFD and flow diagrams helped plan out the system and figure out the logistics.
- The entire project was completed within the deadline.

RECOMMENDATIONS FOR FUTURE WORK

- To allow students scan their qualifications and ID rather than having to store them physically.
- To expand to a mobile application, so some parts of the enrolment can be done at home.
- To be able to take card payments through the system.
- Allow staff to view what students have enrolled onto their course.
- To expand to other courses, not just A Level courses.