

Liverpool John Moores University

Title: Project Dissertation
Status: Definitive
Code: **7601UPGRAD** (126706)
Version Start Date: 01-08-2021

Owning School/Faculty: Computer Science and Mathematics
Teaching School/Faculty: Computer Science and Mathematics

Team	Leader
Dhiya Al-Jumeily	Y
Manoj Jayabalan	
Gabriela Czanner	
Abir Hussain	

Academic Level: FHEQ7 **Credit Value:** 60 **Total Delivered Hours:** 15

Total Learning Hours: 600 **Private Study:** 585

Delivery Options

Course typically offered: S1 & S2 & Summer

Component	Contact Hours
Online	15

Grading Basis: 50 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Interim Report	5	
Presentation	AS2	Final Presentation	5	
Report	AS3	Dissertation (Project Report) - Around 17000 words	90	

Aims

To develop the student's ability to plan, execute and report in depth on a major research investigation related to machine learning. This work enables students to display all of the skills learnt on the programme and give the opportunity to

demonstrate creativity, initiative, ingenuity and communication in an academic context. This may be carried out, where appropriate, in conjunction with industry.

Learning Outcomes

After completing the module the student should be able to:

- 1 Synthesize skills and techniques taught in the programme, this then should be used to research the area related to machine learning topics in which the investigation takes place using independent study.
- 2 Discuss and critically evaluate a selected area of research within the domain of machine learning, and implement a reliable solution using their previous experience and skills gained during the programme and identify relevant Legal, Social, Ethical and Professional Issues associated with the project.
- 3 Structure and write a major dissertation.
- 4 Apply the conventions of academic research dissemination to personal research.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Interim Report	1	
Final Presentation	4	
Dissertation (Project Report)	2	3

Outline Syllabus

*Appropriate project areas within the field of machine learning and techniques will be decided in consultation between the tutor and the student.
Self-directed, individual study, research and the writing up of a dissertation.*

Learning Activities

A project is defined by the student in consultation with the project supervisor and the subject tutor. The nature of the project will be a substantial investigation, analysis of a problem domain, creation of software, or development of systems. The project is expected to be in the area of AI and/or machine learning.

Ongoing discussions with tutors.

Peer to peer support with other students Literature Searches and reviews.

Notes

The module aims at developing the student's ability to plan, execute and report in depth on a major investigation.