

北京邮电大学 本科毕业设计（论文）任务书

Project Specification Form

Part 1 - Supervisor

论文题目 Project Title	AI-Enhanced Student Skills Development Tracker		
题目分类 Scope	Data Science and Artificial Intelligence	Implementation	Software
主要内容 Project description	Monitoring and developing essential skills in students, such as critical thinking, problem-solving, and collaboration, is vital for their academic and professional success. This project aims to create an AI-driven system that tracks the development of these skills over time. By analysing data from assignments, assessments, and classroom activities, the system will provide insights into each student's progress in specific skill areas. Educators will receive detailed reports that highlight strengths and areas for improvement, while students will benefit from personalised recommendations that guide their skill development. The system will be designed to adapt to each student's unique learning journey, offering targeted resources and activities to help them grow. The goal is to support educators in fostering well-rounded skill development and to empower students to take control of their learning.		
关键词 Keywords	AI, assessment, recommendation algorithm		
主要任务 Main tasks	1 Skill Identification: Identify key skills to be tracked and develop metrics for assessing student progress in each area.		
	2 AI Integration: Integrate AI algorithms to analyse student performance data and track skill development over time.		
	3 Recommendation Engine: Build a recommendation engine that suggests activities and resources to enhance specific skills.		
	4 Reporting System: Design a reporting system that provides detailed feedback to students and educators on skill progression.		
主要成果 Measurable outcomes	1 Comprehensive Skill Tracking: A system that tracks and reports on the development of critical skills in students.		
	2 Personalised Recommendations: Personalised recommendations that help students improve specific skills.		
	3 Improved Student Outcomes: Enhanced student outcomes through targeted skill development strategies.		