

Project details

Subsidy basis

Will the project, including any related activities you want Innovate UK to fund, affect trade between Northern Ireland and the EU?

Partner	Answer
STUDY HALL LIMITED (Lead)	No

Application team

STUDY HALL LIMITED

Organisation details

Type	Business
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Team members

Full name	Phone number	Email
Sofia Fenichell	[REDACTED]	[REDACTED]

Application details

Competition name

Innovate UK Smart Grants: January 2022

Application name

An AI-powered curriculum instructional hypergraph (knowledge graph) and intelligent hint system that triages student knowledge, curriculum materials and assessments to reduce attainment gaps

When do you wish to start your project?

1 August 2022

Project duration in months

12 months

Innovation area

[REDACTED]

Has this application been previously submitted to Innovate UK?



Previous application number



Previous application title



Research category

Selected research category

Industrial research

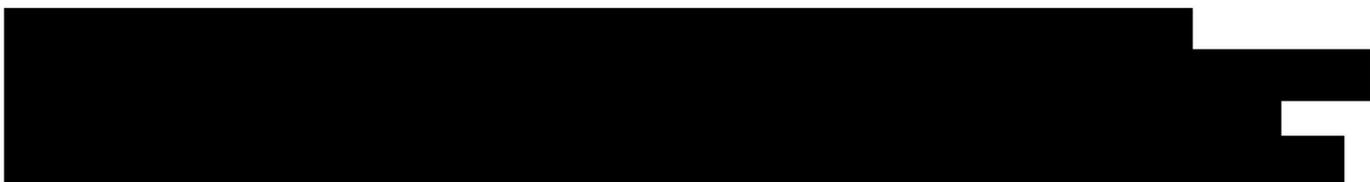
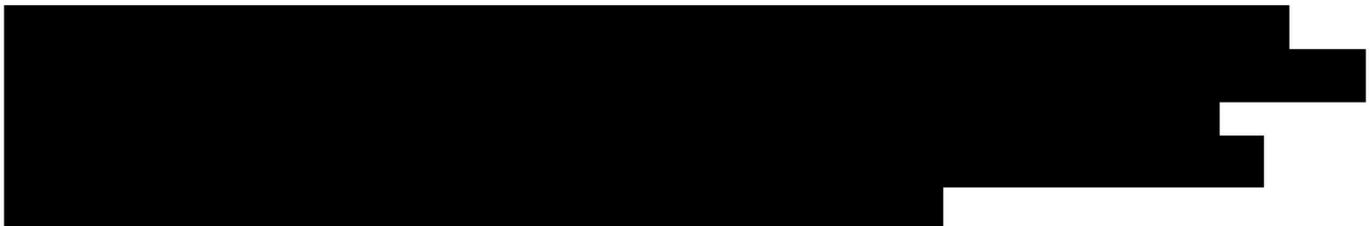
Equality, diversity and inclusion

Have you completed the EDI survey?

Yes

Project summary

Project summary



[REDACTED]

[REDACTED]

[REDACTED]

Public description

Public description

The COVID-19 pandemic, closed down schools, thereby disrupting learning and increasing the need for personalised learning platforms that improve transparency, efficacy and accountability of public education systems. Student attainment gaps are deepening inequality, costing national economies tens of billions in future GDP growth. The UK alone estimates that improving attainment for a single cohort (2030 students) can add £60-90bn to GDP (DfE 2022). Adaptive learning and assessment can help optimise the large sums of public and private funds invested in high-dosage tutoring and school intervention programs.

Study Hall (SH) is developing a cutting-edge AI-based adaptive learning and assessment platform that can accelerate student progress on both high-stakes (summative) and low-stakes (formative) assessments. SH's Knowledge Graph (KG) maps individual student knowledge against curriculum and standardised assessments to identify who has learned it, who has mastered it, and who has dropped off so teachers can intervene. The innovative, AI-based, Intelligent Hint System (IHS) provides scaffolded Socratic hints. SH's social features motivate learners to study together inside and outside of school. Study Hall boosts engagement, and increases teaching and learning efficiency, saving taxpayers, teachers, parents and students time and money.

Study Hall has an experienced team including Paul Butcher (CTO), [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED] Gary Shiels (Data Scientist), Aisling Henihan (Instructional Design Lead), [REDACTED] and Sofia Fenichell (Chief Product Officer).

Scope

How does your project align with the scope of this competition?

[REDACTED]

Application questions

1. Applicant location

Applicant location (not scored)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2. Need or challenge

What is the business need, technological challenge or market opportunity behind your innovation?

[REDACTED]

3. Approach and innovation

What approach will you take and where will the focus of the innovation be?

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted text block]

4. Team and resources

Who is in the project team and what are their roles?

[Redacted text block]

Sofia Fenichell

[Redacted]

Paul Butcher

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

Aisling Henihan

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted text block]

5. Market awareness

What does the market you are targeting look like?

[Redacted text block]

[Redacted text block]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

6. Outcomes and route to market

How are you going to grow your business and increase your productivity into the long term as a result of the project?

[Redacted]

[Redacted]

[Redacted]

[Redacted text block]

7. Wider impacts

What impact might this project have outside the project team?

[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

8. Project management

How will you manage the project effectively?

[Redacted text block]

9. Risks

What are the main risks for this project?

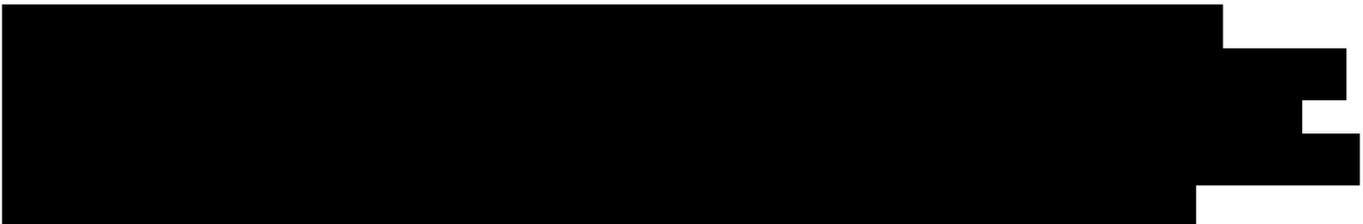
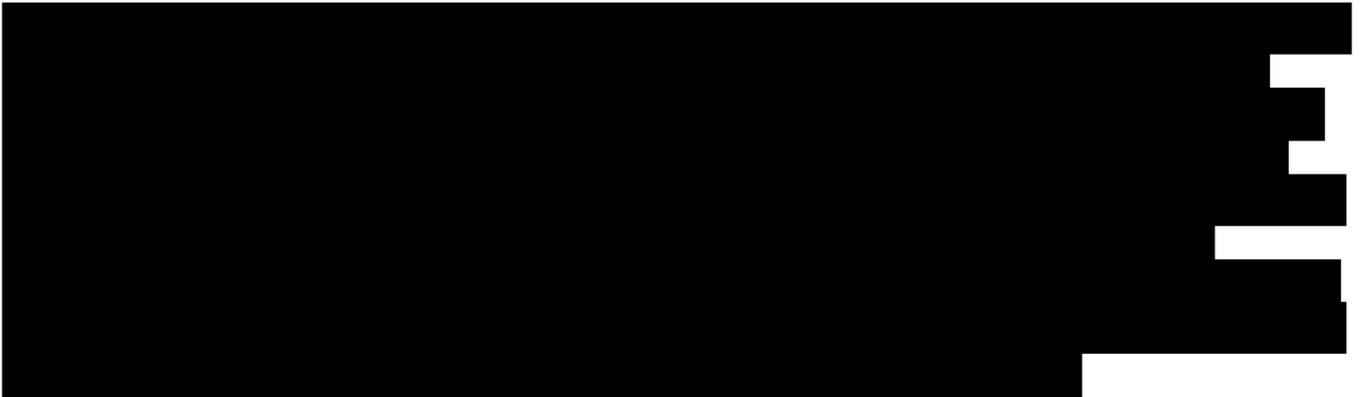
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[Redacted]



10. Added value

How will this public funding help you to accelerate or enhance your approach to developing your project towards commercialisation? What impact would this award have on the organisations involved?



[Redacted]

11. Costs and value for money

How much will the project cost and how does it represent value for money for the team and the taxpayer?

Project Costs -- £499,966 industrial research Grant -- £349,976

[Redacted]

[Redacted]

[Redacted]

[Redacted]

Labour & Overheads -- [Redacted]

Subcontractors -- [Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

Materials: [Redacted]

Travel and Subsistence: [Redacted]

Other Costs -- [Redacted]

[Redacted]

The finances of all project partners are included in this summary.

	Total costs (£)	Funding level (%)	Funding sought (£)	Contribution to project (£)	Other public sector funding (£)
STUDY HALL LIMITED Organisation	499,966	70.00	349,976	149,990	0

[Redacted]

[Redacted]

Funding breakdown

	Total	Labour (£)	Overheads (£)	Materials (£)	Capital usage (£)	Subcontracting (£)	Travel and subsistence (£)	Other costs (£)
STUDY HALL LIMITED Organisation	£499,966							

Terms and conditions

Award terms and conditions

Partner	Funding rules	Terms and conditions
STUDY HALL LIMITED (Lead)	Subsidy control	

