



# St Edmund's College

University of Cambridge

## Pilot Programme Proposal

- Pilot Project Name : 2023 Summer Software Research Programme for Jeju National University (JNU) - subject to mutual agreement
- Host Organisation: Global Programmes, St Edmund's College, University of Cambridge, England
- Programme Director of Host Organisation: Stewart Eru
- Pilot Project Period: 6 – 26 August 2023
  
- Pilot Project Goal:
  - i. Strengthen international collaboration with students and staff of JNU University (and other Korean Universities in the Research Group)
  - ii. Experience working with Cambridge based academics and researchers
  - iii. Enrichment of English language, Research skills and knowledge with academic themed lectures and workshops within the student research topics of Software Development
  
- Participants: 15-20 students from JNU. The students will be split into 5 person teams that will be mentored by PHD/Post doc/ Academics.
  
- Project Timeline: It is envisaged that the following timeline for pilot implementation be followed,
  - a. Phase 1 – Design and Recruitment for Pilot Programme 2023 (April – July 2023)
  - b. Phase 2 – Pilot Summer Research Programme (August 2023)
  - c. Phase 3 – Feedback from JNU to St Edmund's Global Programmes and preparation for 2024 (October – December 2023)
  - d. Phase 4 – Launch Summer Research Programme marketing (December – May 2024)
  - e. Phase 5 – Full Summer Research Programme (August 2024)
  
- Programme Components:
  - i. English language topics:
    - Software & IT
    - Artificial Intelligence
    - Machine Learning
    - Science and Ethics
    - English for Academic Purposes (EAP)
    -
  - ii. Lectures/ Workshops/Discussions – These will complement the research topics to enable students to explore and develop further knowledge.



- iii. Industry/Business Visits – To explore and understand the local Cambridge ecosystem made up of science parks and industry leading businesses
- iv. Student Research Projects:
  - a. Artificial Intelligence and Machine Learning
  - b. Start-up Business Innovation
  - c. Digital & Technology Solution
- Sample Staff Profiles on previous Science Innovation Programmes
  - **Pietro Liò** is a full Professor at the department of Computer Science and Technology of the University of Cambridge and a member of the Artificial Intelligence group. His research interest focuses on developing Artificial Intelligence and Computational Biology models to understand diseases complexity and address personalised and precision medicine. Current focus is on Graph Neural Network modelling.
  - **Dr Giorgio Caselli** is a Research Fellow in Economics at the Centre for Business Research, Cambridge Judge Business School, and a Postdoctoral Research Associate at St Edmund's College, University of Cambridge. His research examines the link between firm growth and regional economic development within the context of the Cambridge technology cluster. Prior to joining the Centre, Giorgio worked as an analyst at Deloitte's Global Financial Services Industry and completed his PhD in Financial Economics at Cranfield University. His lecture will examine the themes of science and innovation drawing on the Cambridge technology cluster as a case study.
  - **Umang Bhatt** is a Research Fellow within the Center for Research on Computation and Society at Harvard University, and is a PhD candidate in the Machine Learning Group at the University of Cambridge. His research interests lie in trustworthy machine learning. Specifically, he focuses on algorithmic transparency and its effects on stakeholder decision-making. His work has been supported by a JP Morgan PhD Fellowship, a Mozilla Fellowship, and a Partnership on AI Research Fellowship. He is currently an Enrichment Student at the Alan Turing Institute, an Advisor at the Responsible AI Institute, and a Student Fellow at the Leverhulme Centre for the Future of Intelligence. Umang received his MS and BS in Electrical and Computer Engineering from Carnegie Mellon University.



- Sample Programme Schedule : **Software Research Programme**

**Day 1 - Sunday 6 August**

Arrive in Cambridge and check in at Porter's Lodge. No meals are included on the day.

**Day 2 - Monday 7 August - Artificial Intelligence / Machine Learning**

08.00-09.00 Breakfast in College

09.00-09.30 Group Photograph

**Welcome Ceremony and Icebreakers, introduction to Group Project and Individual Presentations**

12.30-14.00 Lunch in College

14.00-16.45 **Activity: Campus Tour of College and Cambridge**

18.00-19.00 Dinner in College

19.00-20.30 Welcome reception in College

**Day 3 - Tuesday 8 August**

08.00-09.00 Breakfast in College

09.30-12.15 **English Language Module: Artificial Intelligence**

12.30-14.00 Lunch in College

14.00-16.45 **Science Innovation Module: Artificial Intelligence Workshop/Lecture**

18.00-19.00 Dinner in College

19.00-20.30 **University Lecture/Discussion**

**Day 4 - Wednesday 9 August**

08.00-09.00 Breakfast in College

09.30-12.15 **How to use Chat GPT: Machine Learning**

12.30-14.00 Lunch in College

14.00-16.45 **Science Innovation Module: Business / Industry Visit**

18.00-19.00 Dinner in College

19.00-20.30 Free Night

**Day 5 - Thursday 10 August**

08.00-09.00 Breakfast in College

09.30-12.15 **English Language Module: Science and Ethics**

12.30-14.00 Lunch in College



St Edmund's College  
University of Cambridge

- 14.00-16.45 **Science Innovation Module: Machine Learning Workshop/Lecture**  
18.00-19.00 Dinner in College  
19.00-20.30 **University Lecture/Discussion**

Day 6 - Friday 11 August

- 08.00-09.00 Breakfast in College  
09.30-12.15 **How to use Chat GPT: English for Academic Purposes**  
12.30-14.00 Lunch in College  
14.00-16.45 **Science Innovation Module: Group Project Preparations**  
18.00-19.00 Dinner in College  
19.00-20.30 Free Night

Day 7 - Saturday 12 August

EXCURSION TO OXFORD, including major sights

- 08.00-09.00 Breakfast in College  
09.00-11.00 Travel to Oxford  
11.30-16.00 Free time, sightseeing in Oxford  
16.00-18.30 Travel to Cambridge  
18.30-19.30 Dinner in College

Day 8 - Sunday 13 August

- 08.00-09.00 Breakfast in College  
Private study and free time

Day 9 - Monday 14 August -**Start-up Business Innovation**

- 08.00-09.00 Breakfast in College  
09.30-12.15 **How to use Chat GPT: Software & IT**  
12.30-14.00 Lunch in College  
14.00-16.45 **Science Innovation Module: Group Project Preparations**  
18.00-19.00 Dinner in College  
19.00-20.30 Free Night

Day 10 - Tuesday 15 August

- 08.00-09.00 Breakfast in College



# St Edmund's College

University of Cambridge

- 09.30-12.15 **English Language Module: Artificial Intelligence**
- 12.30-14.00 Lunch in College
- 14.00-16.45 **Science Innovation Module: Start Up Business Case Study**
- 18.00-19.00 Dinner in College
- 19.00-20.30 **University Lecture/Discussion**

## Day 11 - Wednesday 16 August

- 08.00-09.00 Breakfast in College
- 09.30-12.15 **How to use Chat GPT: Machine Learning**
- 12.30-14.00 Lunch in College
- 14.00-16.45 **Science Innovation Module: Business / Industry Visit**
- 18.00-19.00 Dinner in College
- 19.00-21.30 Free Night

## Day 12 - Thursday 17 August

- 08.00-09.00 Breakfast in College
- 09.30-12.15 **English Language Module : Science and Ethics**
- 12.30-14.00 Lunch in College
- 14.00-16.45 **Science Innovation Module: Start Up Business Case Study**
- 18.00-19.00 Dinner in College
- 19.00-20.30 **University Lecture/Discussion**

## Day 13 - Friday 18 August

- 08.00-09.00 Breakfast in College
- 09.30-12.15 **How to use Chat GPT: English for Academic Purposes**
- 12.30-14.00 Lunch in College
- 14.00-16.45 **Science Innovation Module: Group Project Preparations**
- 18.00-19.00 Dinner in College
- 19.00-20.30 Free Night

## Day 14 - Saturday 19 August

EXCURSION TO LONDON, including major sights

- 08.00-09.00 Breakfast in College
- 09.00-11.00 Depart for London



# St Edmund's College

University of Cambridge

- 11.00-13.00 British Museum
- 13.00-14.00 Bus to Westminster
- 14.00-15.00 Walk to Piccadilly Circus and see major sights
- 15.00-17.00 Free time in London
- 17.00-19.00 Return to Cambridge
- 19.00-20.00 Dinner in College

## Day 15 - Sunday 20 August

- 08.00-09.00 Breakfast in College
- Private study and free time

## Day 16 - Monday 21 August - **Digital & Technology Solution**

- 08.00-09.00 Breakfast in College
- 09.30-12.15 **How to use Chat GPT: Software & IT**
- 12.30-14.00 Lunch in College
- 14.00-16.45 **Science Innovation Module: Group Project Preparations**
- 18.00-19.00 Dinner in College
- 19.00-20.30 Free Night

## Day 17 - Tuesday 22 August

- 08.00-09.00 Breakfast in College
- 09.30-12.15 **English Language Module : Artificial Intelligence**
- 12.30-14.00 Lunch in College
- 14.00-16.45 **Science Innovation Module: Digital & Technology Workshop**
- 18.00-19.00 Dinner in College
- 19.00-20.30 **University Lecture/Discussion**

## Day 18 - Wednesday 23 August

- 08.00-09.00 Breakfast in College
- 09.30-12.15 **How to use Chat GPT: Machine Learning**
- 12.30-14.00 Lunch in College
- 14.00-16.45 **Science Innovation Module: Business / Industry Visit**
- 18.00-19.00 Dinner in College
- 19.00-20.30 Free Night



Day 19 - Thursday 24 August

- 08.00-09.00 Breakfast in College
- 09.30-12.15 **English Language Module: Final Individual Presentations**
- 12.30-14.00 Lunch in College
- 14.00-16.45 **Science Innovation Module: Final Group Project Presentations**
- 18.00-19.00 Dinner in College
- 19.00-21.30 **University Lecture/Discussion**

Day 20 - Friday 25 August

- 08.00-09.00 Breakfast in College
- 10.00-12.30 **Final Certificate Ceremony**
- 12.30-14.30 **Afternoon Tea in College**
- 15.00-18.00 Final Free Time in Cambridge
- 18.00-19.00 Farewell drinks in College Bar
- 19.00-22.00 **Final Formal Dinner in College**

Day 21 - Saturday 26 August

- 08.00-09.00 Breakfast in College
- 09.00-10.00 Checkout and Depart



St Edmund's College  
University of Cambridge

- Sample Certificate for Programme (Title of course subject to mutual agreement)



St Edmund's College  
University of Cambridge

## Certificate of Completion

This is to certify that

**William Johns**

*has completed the online :*

**Software Research Programme**

Date of Completion

**25th August 2023**

---

**Catherine Arnold OBE**  
Master of St Edmund's College





# St Edmund's College

University of Cambridge

- Programme Fees:

KRW 7,000,000

- Included:

1. All Programme and academic content
2. Accommodation (Single ensuite bathroom and toilet)
3. Airport transfers for group booking (same flights/Heathrow airport)
4. Meal Plan – Week days 3 meals per day and weekends Breakfast only
5. Group Programme photo from St Edmund's College, University of Cambridge
6. Certificate of Completion of Programme from St Edmund's College, University of Cambridge
7. Backpack from St Edmund's College, University of Cambridge

Not included:

8. Washing and drying machines
9. Sundays are free days (individuals will arrange own schedule on Sundays)
10. Spending money
11. Insurance (Travel and Health)