**PROVISIONAL SCHEDULE**

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| **Data Science and AI Winter School****1st to 16th February 2025 at Imperial College London, UK** |
| **Day 1 Saturday 2 February** |
| Arrive in the UK |
| **Week 1:** |  |
| **Day 2 Monday 3 February** |
|  |  |
| 9:30 | Programme Registration |
| 9:45 | **Welcome, Housekeeping and Introduction to Imperial** |
| 10:00 | **Programme Overview and Icebreaker** |
| 10:30 | Break |
| 10:45 | **Introduction to Data Science** |
| 12:15 | **Group Photo** |
|  | **Welcome lunch with student ambassadors** |
| 14:00 | **Group Project Introduction and Briefing** |
| 15:30 | **Data Preparation** |
| 16:30 | End of day |
|  |  |
| **Day 3 Tuesday 4 February** |
|  |  |
| 9:15 | **Data Science Entrepreneurship** |
| 10:45 | Break |
| 11:00 | **Introduction to Natural Language Processing** |
| 12:30 | Lunch |
| 13:30 | **Social activity - Visit to The Royal Albert Hall** |
| 15:30 | **Project Tutorials Q & A** |
| 16:30 | End of day |
|  |  |
| **Day 4 Wednesday 5 February** |
|  |  |
| 9:15 | **Computer Vision and Applications (I)** |
| 10:45 | Break |
| 11:00 | **Team Building Theory and Effective Communication for Presentation** |
| 12:30 | Lunch |
| 13:30 | **Building Effective Team Workshop in Chemical Kitchen (Group 1-5)** |
|  | Teams work on group project (Group 6-10) |
| 17:00 | End of day |
|  |  |
| **Day 5 Thursday 6 February** |
|  |  |
| 9:15 | **Computer Vision and Applications (II)** |
| 10:45 | Break |
| 11:00 | **Data Privacy and Ethics** |
| 12:30 | Lunch |
| 13:30 | **Building Effective Team Workshop in Chemical Kitchen (Group 6-10)** |
|  | Teams work on group project (Groups 1-5) |
| 17:00 | End of day |
|  |  |
| **Day 6 Friday 7 February** |
|  |  |
| 9:15 | **Mathematical Aspects of AI** |
| 10:45 | Break |
| 11:00 | **Data Visualization** |
| 12:30 | Lunch |
| 13:30 | **Visit to DSI data observatory for Groups 1, 2, 3** |
|  | **Visit to DSI data observatory for Groups 4, 5, 6** |
|  | **Visit to DSI data observatory for Groups 7, 8, 9, 10** |
|  | Teams work on group project during non-visit period |
| 16:30 | End of day |
|  |  |
| **Day 7 & 8 Saturday& Sunday** |
| Free time to explore London |
| **Week 2:** |  |
| **Day 9 Monday 10 February** |
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| 9:15 | **Machine Learning for Data Science** |
| 10:45 | Break |
| 11:00 | **Transforming the future of healthcare with data science** |
| 12:30 | Lunch |
| 13:30 | **Social activity - British Cultural Quiz** |
| 14:30 | **Project Tutorials Q & A** |
| 15:30 | Teams work on group project |
| 16:30 | End of day |
|  |  |
| **Day 10 Tuesday 11 February** |
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| 9:15 | **Research Showcase - Generative AI and Image Analysis** |
| 10:00 | Break |
| 10:10 | **Research Showcase - Diffusion generative models** |
| 10:55 | Break |
| 11:05 | **Research Showcase - Understanding LLM Memorization** |
| 11:50 | Break |
| 12:00 | **Opportunities for International Students** |
| 12:30 | Lunch |
| 13:30 | **Project Tutorials Q & A** |
| 14:30 | Teams work on group project |
| 16:30 | End of day |
|  |  |
| **Day 11 Wednesday 12 February** |
|  |  |
| 9:15 | **Career Workshop** |
| 12:30 | Lunch |
| 13:30 | **Project tutorials Q & A** |
| 14:30 | Teams work on group project |
| 16:30 | End of day |
|  |  |
| **Day 12 Thursday 13 February** |
|  |  |
| 9:15 | **Project tutorials Q & A** |
| 10:15 | Teams work on group project |
| 12:15 | Lunch |
| 13:15 | **Project tutorials Q & A** |
| 14:45 | Teams work on group project |
| 16:45 | End of day |
|  |  |
| **Day 13 Friday 14 February** |
|  |  |
| 8:45 | **Students arrive to upload project presentations** |
| 9:00 | **Group 1** |
| 9:20 | **Group 2** |
| 9:40 | **Group 3** |
| 10:00 | **Group 4** |
| 10:20 | **Group 5** |
| 10:40 | Break |
| 10:50 | **Group 6** |
| 11:10 | **Group 7** |
| 11:30 | **Group 8** |
| 11:50 | **Group 9** |
| 12:10 | **Group 10** |
| 12:30 | **End of presentation** |
|  | **Students to complete feedback form** |
| 12:45 | **Announcement of Winning Teams & Certificate Ceremony** |
| 13:00 | Lunch |
| 14:00 | End of winter school |
|  |  |
| **Day 14** |
| Free time to explore London |
| **Day 15** |
| **Departure Day** |