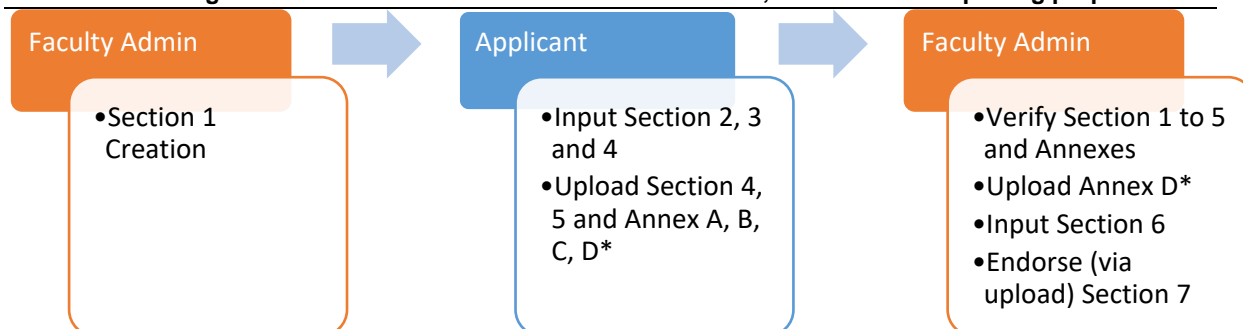# AI SINGAPORE RESEARCH PROGRAMME
ACCELERATED MASTERS APPLICATION FORM

All information is treated in confidence. The information is furnished to AI Singapore with the understanding that it shall be used or disclosed for evaluation, reference and reporting purposes.

Faculty Admin	Applicant	Faculty Admin
• Section 1 Creation	• Input Section 2, 3 and 4 • Upload Section 4, 5 and Annex A, B, C, D*	• Verify Section 1 to 5 and Annexes • Upload Annex D* • Input Section 6 • Endorse (via upload) Section 7

*Annex D Recommendation Letter(s) is to be uploaded by the Applicant or Faculty Admin depending on the institution's process.

Instructions:
1. Create an applicant account for the selected candidate that the university would recommend for the AISG Accelerated Masters Programme.
2. Only the selected candidate will only be able to access the online form. He/she is required to input the remaining information after Step 1 has been performed.
3. A unique link will be generated after the creation of the account and the system will automatically notify the applicant through the email listed to complete of the remaining details. AISG recommends that the university administrator contact the candidate to verify that he/she has received the link.

SECTION 1: Basic Account Creation

Perform by Autonomous Universities' Administrators through creating an applicant's/candidate's account in online form's fields

Name of Applicant: XX (Font 10, please CAPITALISE FAMILY NAME)		
Name of Undergraduate Degree(s): Bachelor of Computer Science		**Host Institution:** NUS/NTU/SMU/SUTD
UG Admission Intake[1]: Month 2022/2023/2024	**UG Expected Graduation[2]:** Month 2022/2023/2024	**Masters Expected Admission[3]:** Month 2022/2023/2024
Admission Comments (limit to 50 words): e.g. i) Double Degree with an expected graduation on "Month 202X" or ii) Early Graduation with an expected graduation on "Month 202X" or iii) Other Unique Scenario (Reason) with an expected graduation on "Month 202X"		
AI Research Experience Qualifying Criteria: UROP or URECA / AI Research Attachment / AI Publication		
Email Address *(all AISG correspondence will be directed to this email address)*: XX		

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[1] Month of admission into the undergraduate programme within the respective autonomous universities.

[2] Expected month of graduation from the undergraduate programme within the respective autonomous universities.

[3] Expected month of admission into the AI-related Masters (Research) Programme within the respective autonomous universities.

SECTION 2: Theme of Interests

Performed by Applicant / Candidate through inputting information into online form's fields

Theme(s) of Interest[4] *(select <u>ONE</u> main theme that is applicable to candidate's / applicant's interest)***:**

☐ **Theme One: Collaborative AI**
☐ **Theme Two: Trustworthy and Explainable AI**
☐ **Theme Three: Resource-Efficient AI**
☐ **Theme Four: Privacy-Aware AI**
☐ **Theme Five: Continuous Learning AI**
☐ **Alternative Theme:**

Sub-topic(s) of Interest *(describe the sub-topic(s) of the main theme with THREE keywords)***:**

Classification of AI Core Technical Areas of Interest (select a maximum of <u>THREE</u> only):

☒ **Cognitive modelling and systems**	☐ **Natural language processing (NLP)**
☐ **Game theory and economic paradigms**	☐ **Planning and scheduling**
☐ **Heuristic search and optimization**	☐ **Reasoning under uncertainty**
☐ **Knowledge representation and reasoning**	☐ **Robotics**
☐ **Machine learning**	☐ **Search and constraint satisfaction**
☐ **Multiagent systems**	☐ **Vision**

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[4] The themes explanation can be found on AI Singapore website under https://aisingapore.org/research/

SECTION 3: List of Supervisors Interested To Work with

Performed by Applicant through inputting information into online form's fields

Under the type of relation for potential supervisor, please select either "Intended Supervisor" or "Interested Supervisor".

- "Intended Supervisor" refers to potential supervisor agreeing to be your appointed supervisor if application is accepted by the university.
- "Interested Supervisor" refers to potential supervisor in consideration or potential supervisor who has not yet agreed at the point of application.

S/N	Name (please CAPITALISE FAMILY NAME)	Faculty	Area of Interest	Type of Relation (Intended Supervisor / Interested Supervisor)
1				
2				
3				

SECTION 4: Details of AI Research Equivalent Experiences

Performed by Applicant through inputting information into online form's fields and uploading of PDF document titled "Name – Research Equivalent Experiences AISG AMP"

AI Research Experience Qualifying Criteria:	UROP or URECA[5] / AI Research Attachment / AI Publication	
Status: Yes, Completed / Yes, Completing	Start Date of the Research Experience: XX Month 2023/2024	(Expected) Completion Date of the Research Experience: XX Month 2023/2024
Name of Project: XX		
Name of Supervisor: XXXXXX		
Faculty and Institution: XXXX		
AI Topic Domain *(describe the topic with THREE keywords)*		
Brief Description *(limit to 200 words)*		

Research Experience Supplementary Document **should not exceed 2 pages**. **Please use Arial font size 10, single line spacing and default margins of this document.**

A. **Brief Description of the Research Experience:** *Maximum of 200 words summarizing the key concepts of the Research Experience (AI-related UROP Project / AI Research Attachment / AI Publication).*

B. **Learning Points**: *(1) What are your responsibilities within these project(s)? (2) What were the novel and significant research outcomes from your project(s)?*

C. **Challenges**: *(1) What are the challenges you faced during the Research Experience Project(s)? (2) How did you overcome the challenges you mentioned? How would you do differently if another chance was provided?*

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[5] Undergraduate Research Opportunities Programme (UROP) or Undergraduate Research Experience on Campus (URECA) or equivalent undergraduate research programme

SECTION 5: Details of Personal Statement

Performed by Applicants / Candidates through uploading of PDF document titled "Name – Personal Statement AISG AMP"

Personal statement **should not exceed 2 pages**. **Please use Arial font size 10, single line spacing and default margins of this document.**

A. **Motivation for Masters by Research studies:** *Maximum of 150 words summarizing why you are motivated to consider Masters by Research.*

B. **Past research experiences**: *(1) What are the relevant AI projects you have worked on as an undergraduate student and/or research assistant? (2) What are your responsibilities within these projects? (3) What were the novel and significant research outcomes from your projects?*

C. **Other relevant experiences**: *(1) What are the industrial experiences that may be related to your AI research? (2) Relevant certifications leading to your interest to explore further and deeper into AI?*

D. **Current research interest:** *(1) Which AI core technical area are you interested in? (2) Why are you interested in it? (3) What are you aiming to achieve from this research interest? (4) Which supervisor(s) are you interested to work with?*

E. **Future career goals:** *(1) What are your future career goals or what do you aspire to be after obtaining a graduate degree? (2) How does this graduate degree support you?*

ANNEX A: Curriculum Vitae

Performed by Applicant / Candidate through uploading of PDF document titled "Name – CV for AISG AMP"

1. You are encouraged to provide a CV (listed on the cover page) according to the format below. **Each CV should start on a fresh page and be limited to 2 pages.** Please indicate "N.A." beside the label field if the required information is not applicable and note that AI Singapore will not be responsible for any missing information not provided in the CV.

   - Name
   - Title
   - Mailing address
   - Email
   - Contact number
   - Employment history (including all internships with its periods and locations)
   - Academic qualifications (indicate institution's name and year awarded)
   - Research interests
   - List of 5 most significant publications (in the past 3 years only, i.e. – 2021 - 2024) relevant to the selected themes (if any)
   - Honors and awards (if any)

ANNEX B: Education Qualifications

Performed by Applicant / Candidate through uploading of zipped file titled "Name – Education Qualifications for AISG AMP"

Academic Qualifications (in English)

Applicants:
- Certified true copy of degree certificates
  - Diploma (Polytechnic) / GCE A levels (Junior College)
  - Bachelor's (if any)

- Certified official transcripts copy
  - Polytechnic / Junior College
  - Bachelor's (Current and Latest)

Originals are not required for submission to AI Singapore. Soft copies of the relevant documents will be sufficient provided by the institution.

Formal Education Qualifications

Type of Degree	Name of Degree	Awarding Institution and Country	Cumulative GPA (With max scoring)	Year of Conferment
e.g. Diploma	*Diploma of Computer Science*	*XYZ Polytechnic, Singapore*	*3.98 / 4.00*	*2020*
e.g. A Levels	*GCE A Level (Physics, Chemistry, Maths, Economics)*	*ABC University, Singapore*	*AAA/A*	*2020*
e.g. IB Diploma	*International Baccalaureate*	*XYZ School, Singapore*	*44 / 45*	*2020*
e.g. Undergraduate	*Bachelor of Computing (High Honours)*	*ABC University, Singapore*	*4.90 / 5.00*	*2022*

AI SINGAPORE

ANNEX C: Detailed Awards and Publications

Performed by Applicant / Candidate through uploading of zipped file titled "Name - Awards & Publications"

Publications

S/N	Publication Name	Authors (underline your name)	Conference/ Journal	Year of Publication	Link (if any)
e.g.	*Collaborative Machine Learning*	*John Doe, Jane Doe (co-first author), Patrick Doe*	*NeurIPS Proceedings*	*2022*	*NeurIPS accepted papers (Link)*
1					
2					
3					
4					
5					
6					

Academic / Technical Awards

S/N	Awards	Individual / Team	Venue / Scope	Year of Award	Link (if any)
e.g.	*First Prize Diamond AI Award (Global)*	*Team: John Doe, Jane Doe, Patrick Doe*	*Kaggle (Global wide)*	*2020*	Link
e.g.	*Scholarship for Undergraduate*	*Individual*	*MOE Scholarship (PSC)*	*2016*	
1					
2					
3					
4					
5					

ANNEX D: Recommendation Letters

Performed by Autonomous Universities' Administrators through uploading of PDF file titled "Name – Recommendation Letters"

Recommendation Letters should be in English language, otherwise letters should be with English Translation. The recommendation letter should be in a formal letter format. The letter should mention the recommender's relationship with the applicant/candidate and the recommender's capacity in nomination.

- At least one recommendation letter(s) from the AI expert who is overseeing his/her AI research experience projects (Undergraduate Research Opportunities Programme (UROP) or Undergraduate Research Experience on Campus (URECA), AI Research Attachment or AI Publication). Signatures on the recommendation letter are required.

Originals are not required for submission to AI Singapore. Soft copies of the relevant documents will be sufficient provided by the institution.

SECTION 6: Declaration of Other Scholarship Funding Support

Performed by Autonomous Universities' Administrators through inputting information into online form's fields

6.1 All Other Scholarship Funding Support

Please provide details on the funding or other resources current/previous held by the applicant / candidate.

Funding Coverage *(please indicate the inclusion of funding)*	Funding Organisation	Duration of Support (No. of Years)	Awarded (dd/mm/yyyy)	Funding Amount ($S)	Allowed for transfer of scholarship?
e.g., MOE Scholarship for Undergraduate	*MOE*	*4 years*	*01 Jan 2010*	*$XXX,XXX*	*Yes*
				Total Amount:	

6.2 Service Obligations

Please provide details on the service obligations required from the applicant.

Service Obligations *(please indicate the committed in detail)*	Fulfilled obligations *(please indicate the obligations fulfilled)*	Unfulfilled obligations *(please indicate the obligations not fulfilled yet)*	Expected Period of Fulfilment *(During the studies/post-studies)*	Pro-rated allowed if transfer successful? *(Yes/No, pro-rated amount)*
e.g,. teaching assistant – 200 hours	*25 hours*	*150 hours*	*During and post-studies*	*Yes – 25 hours*
e.g,. MOE post-graduate service obligations	*0 years*	*5 years*	*Post-studies*	*Yes – Serve concurrently with AISG post-graduate service obligations*

SECTION 7: Declaration and Endorsement by the Host Institution

Performed by Autonomous Universities' Administrators through uploading of PDF document titled "Name – Declaration and Endorsement for AISG AMP"

In signing this application, the Host Institution UNDERTAKES, to:

- Ensure the applicant satisfies the AI Research Experience Qualifying Criteria;
- Ensure the applicant qualifies AI-related Masters by Research requirements;
- Ensure that AI Singapore and NRF are acknowledged in all publications and/or research outcomes;
- Ensure that a copy of all publications arising from research wholly or partly funded from this Programme will be submitted to AI Singapore;
- Comply with the provisions of any relevant laws of the republic of Singapore, statutes, regulations, by-laws, rules, guidelines and requirements applicable to it, as well as all applicable policies and procedures adopted by AI Singapore and/or NRF as the same may be amended or varied from time to time;
- Provide appropriate support during the scholarship;
- Ensure that the funds provided are used for the appropriate purposes and managed according to the terms and conditions stipulated in the Letter of Award; and
- Ensure that all budget requests are in accordance with the Institution's prevailing policies and financial guidelines.

Name of Candidate   (capitalise Family Name)

Rank:

Applicant: Out of   **applicants submitted to AISG AMP**

Comments / Justifications (if any):

Name and Signature of Faculty Dean (or equivalent) / Date