

## Faculty of Engineering

### ASPIRE Summer Research Program 2026-2027

Project Title: AUSTRALIA-INDIA MINING & RENEWABLE ENERGY FUTURES

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#### Objective

- Identify commercially viable research workforce training opportunities for Australian universities and research institutes that align with India's evolving R&D priorities and industry needs in critical minerals mining and renewable energy technologies.
- Strengthen future collaboration and research capability development between Australian and Indian universities and research institutes by mapping existing research infrastructure, expertise, and capabilities in the areas of critical minerals mining and renewable energy technologies.
- Provide strategic insights to industry stakeholders in both Australia and India on how the research capabilities and assets of universities and research institutes can be leveraged to support commercial innovation and growth in the critical minerals and renewable energy sectors.

#### Project Details

This project aims to unlock strategic commercial and research opportunities for Australian universities, as well as accelerate bilateral research cooperation between Australia and India, by supporting the growth of research-capable workforces to drive innovation and commercial R&D in critical minerals mining and renewable energy technologies.

## Project Timeline

| TASK                              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|----|
| Literature review                 |   |   |   |   |   |   |   |   |   |    |
| Data collection                   |   |   |   |   |   |   |   |   |   |    |
| Data analysis                     |   |   |   |   |   |   |   |   |   |    |
| Attending group meetings (weekly) |   |   |   |   |   |   |   |   |   |    |
| Working with other researchers    |   |   |   |   |   |   |   |   |   |    |
| Making presentations              |   |   |   |   |   |   |   |   |   |    |
| Writing report                    |   |   |   |   |   |   |   |   |   |    |

## Prerequisites

Familiarity with Australian and India mining, renewable energy and education/research ecosystems and knowledge of Arc-GIS is preferred

## Student Placement Agreement

A student placement agreement must be signed by the project supervisor and the student prior to commencement of the ASPIRE program.

[LV0554-72741 ASPIRE Program Co-Curricular-Student-Placement-Agreement-Short-term.docx](#)

## Additional Information

Give any additional information here – eg. ‘applicants may be required to attend an interview’. (*Delete if not applicable*)

**Submit as a word document - no more than one page long.**