Engineers Without Borders Australia (EWB) is a member-based not-for-profit organisation with over 10 years experience in creating change through humanitarian design, engineering and international development initiatives.

We do this by:

- Working in partnership to address a lack of access to basic human needs such as clean water, sanitation and hygiene, energy, basic infrastructure, waste systems, information communication technology, and engineering education.

- Educating and training Australian students, professionals and the wider community on issues including sustainable development, appropriate technology, poverty, and the power of humanitarian engineering.

- Leading a movement of like-minded people with strong values and a passion for humanitarian engineering within Australia and overseas.
What is the Humanitarian Design Summit?

Participants will travel to India for two weeks, meeting with developing communities to learn about community development, appropriate technology and humanitarian engineering.

Prior to the community visits students will attend workshops run by EWB staff and local community leaders in India.

Students are encouraged and supported to share their experiences and create change within their sphere of influence upon returning from their study tour.

Students who have participated in the 2014 EWB Challenge may be particularly interested in this opportunity. The Design Summit is also open to students who have not participated in the EWB Challenge.

The Humanitarian Design Summit will provide professional design and engineering work experience, and provide participants with work, community development and design skills. The Design Summit has been designed to contribute to your university's professional work experience requirements.

**Please note that the dates are subject to minor alteration dependent on community availability**

The Humanitarian Design Summit provides an opportunity for students to develop a deeper understanding of the role engineering and technology play in creating positive change within communities.

Participants will also build an understanding of effective development goals such as participation, empowerment and capacity building.

Over the course of the Design Summit students will undertake a team design project in conjunction with Indian community partners.

The project aims to challenge students to apply the skills and knowledge they have learned whilst studying at university within an Indian community context. This is a hands-on opportunity for students to learn about the design process and develop their humanitarian engineering skills.

What is the Humanitarian Design Summit?

“*It is an outstanding way to learn about humanitarian engineering, appropriate technology, and community development – all while being constantly reminded of the importance of cultural sensitivity in design.*”

- Student Participant, Cambodia 2014

Learning Outcomes

Aims of the Summit:

• To create an integrated learning and experience pathway that nurtures future development leaders

• To embrace people-centred values and approaches in engineering education and practice

• To promote the professional development of community partner staff

• To support community partners by generating ideas for their projects

The Summit is designed to provide participants with first-hand experience working in culturally different and high-pressure situations.

Participants will develop their empathy and cultural sensitivity through genuine interactions with our community partners. Over the course of the Summit, participants will work closely with our community partner staff and develop cross-cultural communication skills such as active listening and the use of interpreters. These interactions also provide local staff with the opportunity to practice their English and gain experience articulating their needs and receiving and implementing feedback surrounding the design process. The Summit is structured to promote teamwork and foster leadership qualities such as team management, team motivation and group representation.

Over the course of the Summit participants will gain an improved understanding of the role of technology in society. Emphasis is placed on the design process with respect to environmental, economic, and social impacts in a humanitarian context. Participants will be exposed to a variety of community development models and learn about the role of local engineers and organisations as well as ethical decision-making. The Summit will focus on incorporating local knowledge in design, appropriate technology, and how to implement solutions that best serve stakeholder needs and priorities.
**Learning Outcomes**

**Humanitarian Engineering**
- Understanding of the role engineers play in:
  - Community Development
  - Appropriate Technology

**Engineers and Designers as Leaders**
- A deeper understanding of how designers can act as:
  - Facilitators & Managers
  - Change agents & Creative problem solvers

**Community Engagement**
- Skills to engage community effectively in:
  - Design & Development
  - Delivery of Projects

**Interpersonal Skills**
- Cross-cultural communication skills
- Team-building abilities

**Knowledge of Community Development**
- Best Practice

**Personal Capacities**
- Creative problem-solving, Adaptability & Flexibility
- Communication, Patience & Resilience
- Leadership
Program Workshops and Cultural Experiences

The Design Summit includes a series of educational workshops run by EWB staff and local community leaders. The workshops will prepare students for their community visits and design project so that they may get the most out of their experience.

**Introduction to Development**  
International development and community engagement can be a complex process. This engaging workshop connects design, skills and processes.

**Indian Culture and Language**  
This workshop provides students with an introduction to the Marathi language and culture.

**Working in Communities**  
In preparation for the design program, participants will learn about effective human-centered design methodologies, working with translators and the skills needed to engage effectively in the field.

**Appropriate Technology**  
This workshop aims to explore many of the different lenses that appropriate technology requires us to look through such as financial, social inclusion and environmental constraints.

Speakers will share case studies to explain their own experience of the process in developing appropriate technology for different contexts, such as communities with limited resources.

**Indian Cultural Experiences**  
Students will visit historic cultural sites to gain a greater understanding of the Indian cultural context.

*Participant Zuben Rustomjee and Mrs. Mini Bede from the Development Support Team (DST) at a community festival to celebrate the changing direction of the sun. Photo taken by Will Roxburgh, Sangamner Maharashtra, Jan 2014.*
Program Details

Indian Humanitarian Design Summit
Schedule 5th-19th Dec 2015

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*Guide subject to minor change

Program Cost:

$3,400

($400 deposit will be required to confirm your place on this trip.)

Cost Breakdown

81% of your participation fee goes directly toward program expenses. These include: in-country logistics, a professional team of facilitators, community partner liaison, and administrative activities such as risk management and curriculum development.

The remaining 19% of fees are reinvested back into EWB’s wider work. Areas of reinvestment may include works such as the International Volunteer Program and the EWB Research Program.

"The concept of 'community development' was somewhat hazy and mysterious before taking part in this program. I wanted to get a better understanding, but hardly knew where to start!"

- Jonathon Dyson, India Participant
Travel Style

- Shared twin rooms
- Private minibus, tuk tuks

EWB to provide

- Accommodation
- All meals
- Access to project sites and communities
- Cultural activities and language lessons
- Administration costs
- Course, content development and facilitation
- Transport - high quality to comply with program risk assessments
- Program risk and safety development and implementation - including subscriptions to leading travel alert advisories
- Emergency and Evacuation Plan development and monitoring
- Professional Facilitators - drawn to include Australian Professional Engineers, allowing students to count the program towards professional engineering work experience requirements
- Community Partners and Translators - we ensure that all communities are appropriately remunerated for our time in country. Our organisation aims to positively impact the communities that we work with, and it's important that our program is not a burden on small local groups.
- University program collaboration - working in partnership with universities around Australia to make this opportunity widely available and with mechanisms to support attendance.
- International Finance Systems (incorporating Anti-Fraud and Corruption controls)

Not included

- International fares to and from Mumbai
- Passport and Visa application costs
- Travel Insurance / Medical Costs/ Vaccinations
- Personal expenses

Engineers Without Borders Australia is a not-for-profit organisation and any remaining funds will be used to support EWB’s wider work in humanitarian engineering.
Health and Safety

The health and safety of all Summit participants is paramount. EWB has comprehensive safety and security management procedures in place to ensure that risks to participants are minimised, as well as an effective security plan should an emergency arise.

A complete security risk assessment is performed on all project and location sites prior to departure. Relevant country intelligence systems are monitored throughout. Based on this information, a customised action plan – complete with emergency response procedures and evacuation plans – is developed and regularly reviewed and updated.

Travel insurance is essential for all Summit participants. All participants will participate in a teleconferenced safety briefing prior to departure as well as receive on-site security training through workshops once they arrive in country. An incident register is kept and reviewed by in-field staff so that proactive action may be taken if required.

Participants Receive

- Pre-departure documents concerning travel and safety issues
- Complete safety briefing prior to departure
- Airport pick-up and local orientation
- Full on-site security training
- All accommodation arrangements

Responsible Travel

EWB acts with integrity, upholding our values of community, sustainability, respect, learning and quality in all that we do. Our approach to travel aligns with these values and our development philosophy.

EWB is committed to responsible travel that respects local people, their culture, local economies and the environment.

Our Travel Philosophy

- Respecting our community partners, the communities we visit and the different cultures we work with by seeking local advice before visiting a community and educating all participants about local culture and etiquette
- Choosing small-scale locally owned restaurants and accommodation where available, ensuring expenditure assists the local economies we visit
- Ensuring that our visits contribute to the local organisations and villages that host us and does not deplete their resources

EWB’s responsible travel philosophy is part of our bigger objective to operate without compromising the needs of future generations. In all our travel and operations we strive to assess our environmental footprint, be transparent in reporting and implementing reductions in our carbon emissions.
Next Steps:

Participants must be over 18 at the time of the program.

**Applications Close August 31st**

For more information, please contact:

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