




**RAINFOREST
ORANGUTAN
CONSERVATION
KNOWLEDGE AND
EDUCATION WITH
TECHNOLOGY**

An aerial photograph of a dense green forest. In the upper left quadrant, a large, light-colored rock formation is visible, which is shaped like a human head in profile, facing left. The rock formation is surrounded by trees and a small stream or path. The overall scene is a natural landscape with a prominent rock formation.

**A NEW FUTURE OF EDUCATION THROUGH
AI, TECHNOLOGY AND ROBOTICS**



X

LORD
of the TREES

MISSION STATEMENT

EMPOWERING students with knowledge and skills to leverage cutting-edge technology by using **HIGH-TECH** and **LO-TEK** for the conservation and protection of orang-utans and biodiversity overall



HIGH-TECH

- *Use of advanced, cutting edge technology*
- *Includes by not limited to:*
 - *Drones & drone planting technology*
 - *Camera Traps*
 - *Artificial Technology (AI)*
 - *Robotics*
 - *Satelite data*

LO-TEK

- *Local Traditional Ecological Knowledge*
- *Collaborating with indigenous custodians and local forest communities*



Synergy of 'high tech' methodologies and Lo-TEK practices underscores our commitment to a holistic approach in the curriculum

Relationship between technological innovation and the profound insights gleaned from generations deeply rooted in the land

PARTICIPANTS

OCS RECIPIENTS



OTHER UNIVERSITY STUDENTS

Subject to evaluation, interest and university capacity



MODULE OUTLINE



10

SUBJECTS

ACROSS

2

SEMESTERS

1

INTRODUCTION TO 'HIGH-TECH'

1 hour sessions (bi-weekly), 10 sessions total, online & in-person

2

INTRODUCTION TO 'LO-TEK'

1 hour sessions (bi-weekly), 10 sessions total, online

3

DATA COLLECTION ANALYSIS

1 hour sessions (bi-weekly), 10 sessions total, online

4

WRITING WORKSHOP

1 hour sessions (bi-weekly), 10 sessions total, online & in-person

MANDATORY



5

FIELD PRACTICE

3 weeks of each semester, varies depending on university schedule, in-person



6

PRACTICAL APPLICATIONS IN CONSERVATION

1 hour 30 minutes bi-weekly, total of 5 sessions, in-person



7

INTEGRATIVE AND CAPSTONE PROJECTS

1 hour each week, self-study, online/in-person



8

CAREER DEVELOPMENT

45 minute session, bi-weekly, online

OPTIONAL

9

LOTEK OR HIGH-TECH PROJECT

45 minute session, bi-weekly , total 5 sessions, online/in-person

10

ETHICS IN CONSERVATION AND TECHNOLOGY

45 minute session, bi-weekly , total 5 sessions, online

OPTIONAL

FURTHER REQUIREMENTS

- 1.** Participation in an extracurricular activity and/or society/club that overlaps with the themes of the curriculum.
- 2.** Registration of attendance and submission of completed work for each module sessions
- 3.** Minimum of 3 hours of community outreach work/volunteering
 - a. E.g. Volunteering for local NGOs or helping teach local schools/communities about conservation strategies



TEACHING METHODOLOGIES

1

LECTURES

2

LABORATORY SESSIONS

3

FIELD WORK

ASSESSMENT METHODS

- Homework
- Assigned Readings/Videos
- Case Study Analysis
- Examination Period
- Problem Project
- Practical Skills Assessment

RESOURCES AND MATERIALS



GOOGLE CLASSROOM



GOOGLE MEET



FIELD EQUIPMENT



SUPPLEMENTARY WORK



UNIVERSITY PARTNERSHIPS



NGO PARTNERSHIPS



AND MORE...

ROLES AND CONTRIBUTIONS OF PARTNERS

Organisations

- Data Sharing
- Expertise
- Fieldwork Opportunities

Community Stakeholders

- Local Knowledge
- Community Engagement

Technology Providers

- Equipment Provision
- Technical Support
- Innovation

Academic Institution

- Educational Support
- Research Collaboration





TIMELINE

2024

AUG - DEC



- *Finalise subject outline and initial partnerships*
- *Open communications to universities*
 - *Understand demand and fit of curriculum into existing course*

2025

JAN - MARCH



- *Recruit initial investors*
- *Conduct needs assessment and resource planning*
- *Develop a detailed budget and funding strategy (grants, sponsorships, institutional support)*

MARCH - MAY



- *Training instructors on the new curriculum*
- *Establishing initial technology needs and student capacity*

MAY - AUGUST



- *Formulate finalised curriculum*
- *Meeting with all academic institutions to ensure implementation (MOU)*
 - *Ensure all materials and resources are met.*
- *Finalise portal for student material access*

TIMELINE

2025

AUG - DEC



- *BETA TEST (2 selected universities)*
- *Collect necessary feedback through surveying and forums*
 - *Implemented theory of change*

DEC - JAN



- *Make necessary changes to curriculum*
- *Address feedback from institutions, students and organisations.*

2026

JAN - MAY



- *Implement second beta test in 'trial' universities*

MAY- JULY



- *Review and amend curriculum*
- *Create scheduling and launch portal*
- *Finalise work with universities, including capacity*

AUG...



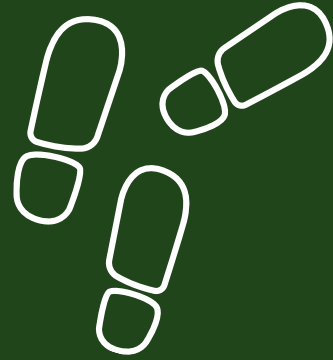
- *LAUNCH curriculum in ALL UNIVERSITIES*
 - *Monitor participant progress and provide ongoing support and feedback.*

CONTINUOUS IMPROVEMENT OF CURRICULUM:

- **IMPACT MEASUREMENT FRAMEWORK**
- **THEORY OF CHANGE**
- **REGULAR CURRICULUM REVIEW**
- **ADVISORY BOARD**



NEXT STEPS



THANK YOU



Lord of The Trees

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