



OE24B23

## Designing Data-Centers for Environment & local communities



Dr David M. L. Williams

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### ABOUT

Dr. David Martyn Lewis Williams is an Adjunct Associate Professor at the School of Design and the President of Global Digital MOJO Group. He has previously led Open Electives in 2016 and 2019. With 30 years of experience in software and hardware design for global companies across business and consumer markets, Dr. Williams brings a wealth of knowledge to his teaching. His areas of expertise include Interaction Design, Design Psychology, Entrepreneurship, and AI and XR Systems. He also teaches MSc/MDes courses, focusing on cutting-edge innovations in design and technology.

### OVERVIEW

Students will learn how the global growth in data storage, data processing and AI services is driving growth of data-centers in India and around the world. They will learn the latest trends in Data-Center design. They will then review case-studies of how local communities are beginning to reject new data-center construction due to perceived negative local impacts. Students will then apply diverse design methods and skills to find solutions for the design and operation of data-centers and supporting systems that take better care of local communities and environments.

### METHODOLOGY

This workshop follows the Double Diamond model (British Design Council, 2005) and incorporates a role-based approach where student teams act as design and strategy agencies. Students will engage in hands-on field research off-campus to explore real-world design challenges, gaining valuable experience in project development and strategic thinking. Documentation of the entire process will be required, allowing students to reflect on their journey. In the second week, media interview opportunities may be arranged, offering a unique chance to showcase and communicate their work. This elective is ideal for those looking to deepen their design and strategic skills through practical application.

### KEYWORDS

Data-centers, greentech, ai, inclusive design, sustainability.

### LOCATION

Bangalore

### MAXIMUM PARTICIPANTS

20