

OE2105

WIRING THE FLEXIBLE FUTURE THROUGH TANA-BANA



INSTRUCTOR

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Textile engineer with experience in industry, research centres in the area of conventional textiles and advanced functional textiles including smart, e-textiles, nano and medical/technical textiles

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CO-INSTRUCTOR

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INDEPENDENT RESEARCHER

a textile design researcher who challenges notions and is interested in combining E-textiles and Craft

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OVERVIEW

Textiles are closest to our bodies. Don't you think that it's just natural that technology eventually seeps into the fabric as well? Smart luminescent / e-textiles are the class of future textiles which can be used for decoration and also wellbeing such as mental health. Can we explore technology through the lenses of designers and artists in making e-textiles? Through experimenting with technology we may be able to re-define how textiles function in our lives. Textiles are the most obvious and yet the most challenging mediums to work with technology. Are you up for this challenge to re-imagine textiles?

OBJECTIVE

To sensitise the students to the intricacies of designing interactive textiles. This workshop will challenge students to re-imagine their surroundings from the point of view of the maker. Through specific workshops, co-creative sessions we will understand and explore the world of smart textiles / e-textiles.

METHODOLOGY

Introductions- Presentations, Guest lectures, Case studies, Primary research; Understanding conductivity, Understanding basics of flexible conductive material through presentations, case studies and lectures; Hands-on experimentation, Prototyping smart flexible circuits, Arduino Programming

KEYWORDS

E-Textiles/Smart Textiles,
Arduino, Sensors,
Conductive Material

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