

Social Innovation

A tour guide





Social Innovation with

Human Centered Design Approach



Humanities & Social Sciences

Social Innovation



Social Connectedness in Engineering students

through



Social Social Consciousness



Social Innovation

· To build students' capacity to use problem solving

Social **Awareness** solutions.

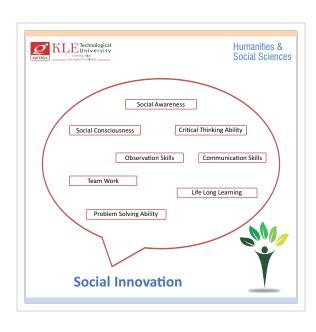
skills to address social issues through innovative • To develop skills in need

identification, ideation,

synthesis, and creativity To transform students' mindset to reframe Problems as Opportunities

Social Consciousness











Social Innovation







....transforming young minds socially



Humanities & Social Sciences

Social Innovation

Course Highlights

Open Ended Course

Taught by Engineering &

Humanities faculty

More than 250 projects in a year

Rubric Based Assessment

2 Credit Course

Class is of 35 students

More than 60 hrs of community engagement

Peer Reviews at defined intervals

All 1280 freshman students

80:20 assessment pattern

Students partnered in designing the course

Human Centered Design Approach

Student learning is through on-field Projects



Philosophy behind Human

Centered Design Approach

- Human Centered Design is a creative approach to problem solving.
- The process starts with people we are designing for and ends with new solutions that are tailor made to suit their needs
- When we understand the people we are trying to reach and then design from their perspective, not only we arrive at unexpected answers, we will come up with ideas that they will embrace.

Social Innovation









Designed innovative learning resources for the students of Government schools



Taking students back to school

Some Reflections



Helping street side vendors on hygiene





Developing Science Models for school children



Visual Education System Providing a better way to learn things...

Some Reflections



To provide toys and learning tools to disabled students of Manovikasa – a school for special kids





Design

How might we enhance the process of learning Braille language

efficiently and in less time?

Multi-purpose

Braille Board





Technology help for old age blind

Design

How might we support the old age blind people walk with ease?

Can we bring in technological intervention?

Wireless Cane to help blind people walk







How might we improve the writing skills of the special students?

Improving writing skills for Special kids



Tools
Designed for making
writing easy







Government school teachers are computer illiterate. How might we provide computer knowledge to the teachers?

School teachers trained on computer basics







How might we create awareness on the ill

effects of Tobacco addiction in rural India?

for better health

Education
through
Street Play...

Say bye to

tobacco







 How might we create interest in students regarding the importance of

Education?

How might we create awareness amongst the parents regarding the importance of education for their wards?

Students taken back to school

Increase

in dropouts from Government

school leading

to Child Labor.







Design

How might we create an awareness on skill development for

women?

Self-employment

Skill-sets induced

by the Resource person from RUDSET







How might we create a platform to help blind students get

scribers?

Scribers for Blind Students

Website connecting **scribers**with Blind students





Design

How might we create and design recreational activities for primary

school kids?

Recreational activities

in Primary School.

Learning sessions for teachers on Innovative Teaching Tools and Models



Enrollment of pregnant women for **new schemes**.





Arduino based device which detects the amount of nutrients present in the soil?

Designed a **Arduino**based device

Soil Testing -

a backlog for

rural farmers



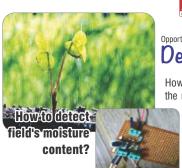


Designed

Exceptional children

Teaching Tools & Models







Design

How might we detect the moisture content in the soil of the field for the better yield?

Automated device designed to **detect moisture content**



KLE Technological
Cresting Value
Leveraging Novelidge

Opportunity for

Design

How might we create an app which gives the complete record of the patient?

A Smart phone Application is designed and developed which serves as a health directory



Design

How might we make people from old-age home happy?

Affection for old age

Love &

Orphans from Orphanage visit Old-age home every Sunday



Design

How might we provide simple methods and make the water drinkable?

Unclean drinking water leading to various health issues

Tap mounted Filters





Design

How might we reduce the pollutants in the

smoke?

Conventional way
Of Cooking
in rural India

in rural India leading to health hazards

...Furnacious





Opportunity for Design

How might we bring the technological intervention in proper management of

garbage bins?

management of garbage bins.

Automated level Indicator kit using sensors.





Design

How might we eradicate the foul smell and stop the breeding of mosquito

over the cow dung?

Gradicating foul smell and stopping mosquito breeding over the cow dung stack

Learning through demonstration



KLE Technological
Creating Value
Leveraging Knowledge

Opportunity for

Design

How might we create an awareness amongst people on first aid?

with first aid support

App giving information on first-aid







HELMET SAFETY FIRST

Design

How might we design a system which makes a rider wear a helmet whenever riding by default?

Bikes with

Automated Censor





KLE Technological University
Creating Value
Leveraging Knowledge

Opportunity for

Design

How might we design a disposal unit for multiple

functions?

Multi-functional dust bin







Design

How might we convince authorities in adopting

stray-cattle?

Stay for stray- cattle in ISKCON gowshala.

Stray Cattle





Design

How might we help the farmers in dehydrating

grains at a faster pace?

Solar dehydrator designed

Solar Dehydrator for grains.







Design

How might we demonstrate a technique called hydroponics?

Demonstration on **Hydroponics**



"This course exposed us to the **pathetic** and **alarming** realities of the lives of the people. It prepared us to see **problems as opportunities**. It sensitized us socially".

Aishwarya





"This course gave us an opportunity to step into the shoes of the sufferers. It induced into us the problem solving skill which helped us to give a feasible and a sustainable solution"

Kunal

A Rebuttal on Social Innovation



Ultimate Purpose:

"To Make the World a Better Place to Live in"



Engineers can paint,
An ideal society on the world canvas !!!





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