

# UNESCO Chair in Community Based Research & Social Responsibility in Higher Education



United Nations  
Educational, Scientific and  
Cultural Organization



University  
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- UNESCO Chair in Community Based
- Research and Social Responsibility
- in Higher Education

## Seminar on Social Responsibility of Higher Educational Institutions

### Delhi Technological University, New Delhi

### July 21, 2016



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# Preparing Socially Responsible Engineers

## Context:

- Quantity is high, quality is poor
- Theory is strong, practice is weak
- Mugging is popular, creativity is irrelevant



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# Preparing Socially Responsible Engineers

## Social Responsibility: Whose?

- Professional engineers
- Profession of engineering
- Institutions of training engineers
- Regulators of engineering education



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# Preparing Socially Responsible Engineers

## Global Trends:

- Foundation for Innovations-STEM-IDRC
- Science Shops in Europe over thirty years
- EU Horizon 2020—Responsible Research & Innovation
- Science with and for society



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# Preparing Socially Responsible Engineers

## What is social responsibility in India?

- NSS?—planting trees, cleaning garbage
- Adopting slums, villages?—Unnat Bharat Abhiyan
- Extension—one-way knowledge transfer
- Or something else?



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# Preparing Socially Responsible Engineers

## Integrating Social Responsibility in Higher Education:

- Mainstream in core mission, not ghettoise in one department
- Teaching/learning system: curriculum of local 'technologies'
- Pedagogy: Learning in partnership with communities
- Research: Knowledge in everyday life



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# Preparing Socially Responsible Engineers

## Normative Anchors of Social Responsibility:

- Integrity and ethics of professionals
- Ethical global citizenship
- Respectful towards other knowledge
- Open to accountability of science



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