

Universities for Future

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Classical Objectives of Higher Education

- Creation and dissemination of knowledge
- Search for truth
- Achieve higher order cognitive skills
- Develop critical thinking
- Challenge prejudices
- Opportunity to dive deeply into your passionate
- Prepare for earning livelihood
- Develop value system
- Create humans of higher ethics and intellect

Objectives of HE in Industrialized World

- Gaining Information
- Acquiring Knowledge
- Developing Analytical/practical skills
- Enhancing Logical reasoning
- Formulation of a problem
- Building Entrepreneurship
- Digital Literacy
- Innovative Thinking
- Effective Communication

Status of Higher Education Today

- Professional education gained higher importance
- Non-professional education got back seat
- Education became market driven
- Technology started defining educational paradigm
- Employability became prime focus
- Student centric system
- Impacted social fabric irreversibly

Today the World exists in Two spaces

- Cyber Space (Exponential in Nature)
 - Information related work
 - Easy access to information
 - Globally networked- No concept of Neighborhood
- Physical Space (Linear in Nature)
 - Pleasures; Comforts of life
 - Human Relation; Love, Compassion, Happiness
 - Environment
 - Local

Some Observations

- Future world will be technology dominated
- Future world will be interconnected
- Future world will be stressed for natural resources

Change from 2010 to 2100

- Population 50% up
- Energy requirement 100% up
- Electricity requirement 300% up
- Natural resources 80-90% down
- Food Requirement 100% up
- Water stressed population 200% up

Envisioning Future-Some Questions

- Is envisioning of Future possible ?
 - ‘Yes’ for Physical world
 - ‘No’ for Cyber world
- Is it an Extrapolation exercise ?
 - Conventional Development
 - Universities are silent spectators ?
- Is it a Path Defining exercise ?
 - Universities have Active role in shaping Future

Conventional World

- Continuity with current patterns
- Organic development
- No major transformation
- Market Driven World
 - Social Disparity continues or grows
 - Environmental degradation due excessive usage of resources
 - No Sustainable growth

Not a Stable Society in a Connected World

Envisioning Future Should be a Path Defining Exercise

‘Defining the correct path for
Development of Humanity as a Whole ’

Universities Should Not prepare for
Future.

They Should Mold the Future

Great Transition

(Path Defining Exercise)

- World responds to contemporary challenges keeping Humanity as a whole in mind
- Prioritizing environmental sustainability
- Adjusting values and behaviors.

- Eco-Communalism
- New Paradigm

Quality of Development Index

- Well-Being
 - Prosperity, Happiness, Health 
 - Time Affluence 
- Community
 - Social Cohesion 
 - Disparity: Gini Coefficient 
- Environment
 - Climate: CO₂/Cap 
 - Eco-system: Protected Land 

Essentials for Future Education

- High Integrity and Ethical Values
- Critical and Innovative thinking
- Integration of Technology, Life Science, Information Science, and Liberal Arts
- Life Long and Self Learning- Digital Literacy
- Interdisciplinary and System based approach
- Integration of formal and vocational education
- Attention to Grand Challenges
- **Quality Culture (Indian Context)**

New (Ancient!) Education System for Future

- Need to define correct path through **New Education**; Education which is beyond information and skill.
- Good amalgamation of knowledge, skills, value system, sustainability, happiness.
- Preservation of cultural, geographical, biological, natural diversity. (Both Left and Right Brain)
- Living in collaboration and cooperation with nature
- Correcting the path travelled in last fifty years over next fifty years

Value System for Re-defined Development

- Technologists and Social Scientists together have to create a **New Value System and paradigm for growth**
- Creation of a value system is a **Slow Process.**
- Education systems have to impart Correct Values to next two generations to have **Right Beginning of the 22nd Century**

Can

Indian Universities

Lead This Transformation ?

THANK YOU