



# **DAYALBAGH EDUCATIONAL INSTITUTE**

(Deemed to be University)

DAYALBAGH, AGRA

**Deemed to be University under Section 3, 12B of the UGC Act, 1956**

**P.N. Tandon Committee 2009, Review of Deemed Universities: A Category, 3<sup>rd</sup> in rank (shared)**

**NAAC – A Grade (2013)**

**ISO – 9001:2015 Certified Institution**

**NIRF 2018 – Universities: 63; Overall: 90**

**SWACHHTA Ranking: 5<sup>th</sup> Cleanest Institute in India**

**Declared one of the 05 Green Campuses in India by the MNRE**

# DEI Education Policy 1975

Promotes:

Physical, intellectual, emotional & ethical integration

Spirit of truthfulness, temperance and courage

Humility, simple living, selfless service & sacrifice

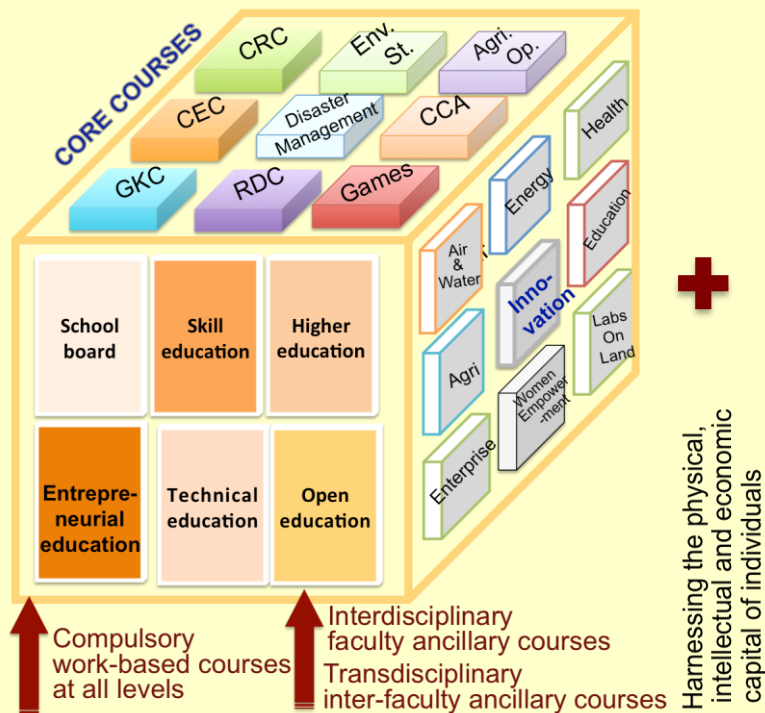
Scientific temper, training in practical science and technology

Willingness & capacity to work with one's hands

Respect for all beliefs and faiths

Creation of a spirit of Brotherhood of Man

Framework of Education in DEI



## DEI's Strengths...

Entrepreneurial and Consciousness Education

Balanced development: body, mind & spirit

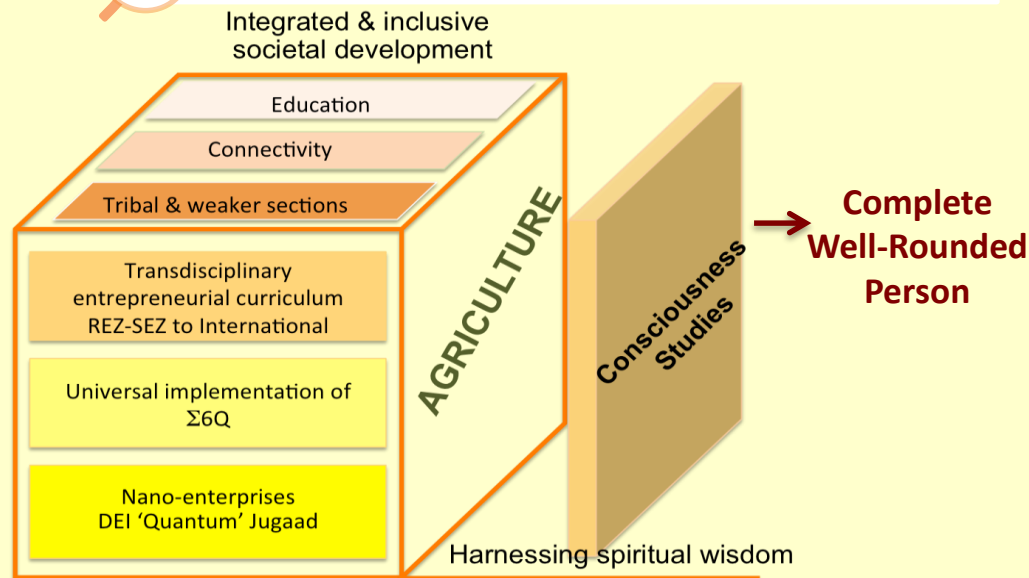
Developing a '6S' society (zero to infinity)

Socially relevant research: *jugaad* and frugal innovation

Better worldliness

Labs on land, Living laboratories

Advanced technology intervention





Superman  
Evolutionary  
Scheme (Sant-  
Su Scheme)

Reaching  
the last, the  
least, the  
lowest and  
the lost



Multiple entry  
and exit  
pathways

Global Genetic Mc. Engg  
Competition, MIT- Bronze



Empowering  
weaker  
sections,  
women and  
children



Achieving  
more with  
less: beneficial  
to the public  
at large



Education at  
little (or no)  
cost to  
students

**EXCELLENCE  
with  
RELEVANCE**

The Science of  
Consciousness:  
East-West Forum

Spirituality:  
Highest level  
of education

Quantum  
Computing,  
Physics and  
Consciousness  
Studies



QANSAS



TSC East-West Forum

Socially  
Relevant  
International  
Projects in  
Tribal Villages



Entrepreneurship  
(Value Addition) :  
Quantum Jugaad



REZ to SEZ to  
International  
Markets



Student  
sustenance model  
through organic  
agriculture



e-Mobility



International  
Dairy & Food  
Processing

Renewable  
Energy:  
Solar System,  
Smart Grid



Media and  
Telecommunication  
for  
Entrepreneurship  
and Education in  
Remote Villages



MOOCSKENE  
Bharat

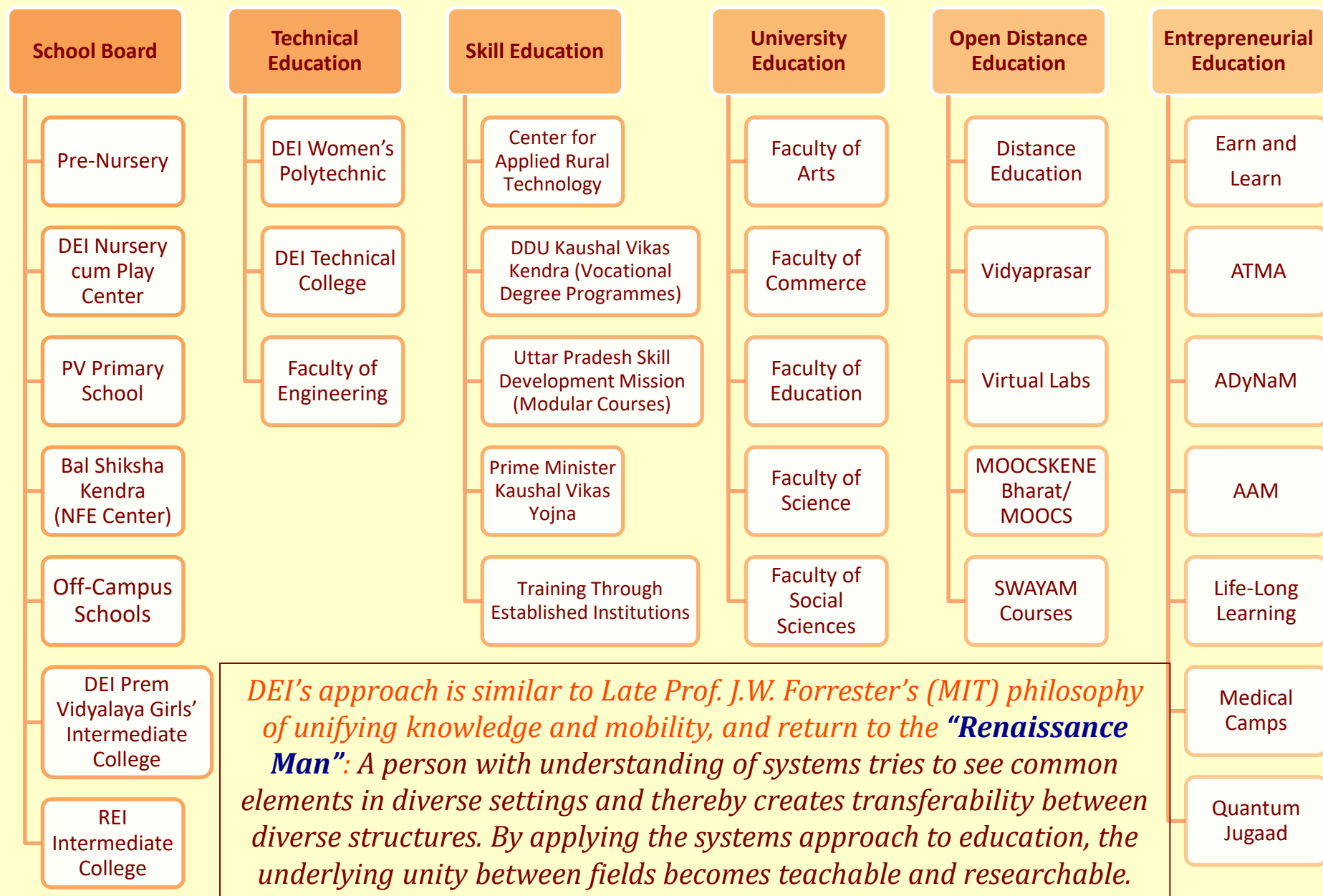


Innovative  
&  
(Re)Generative  
Institute

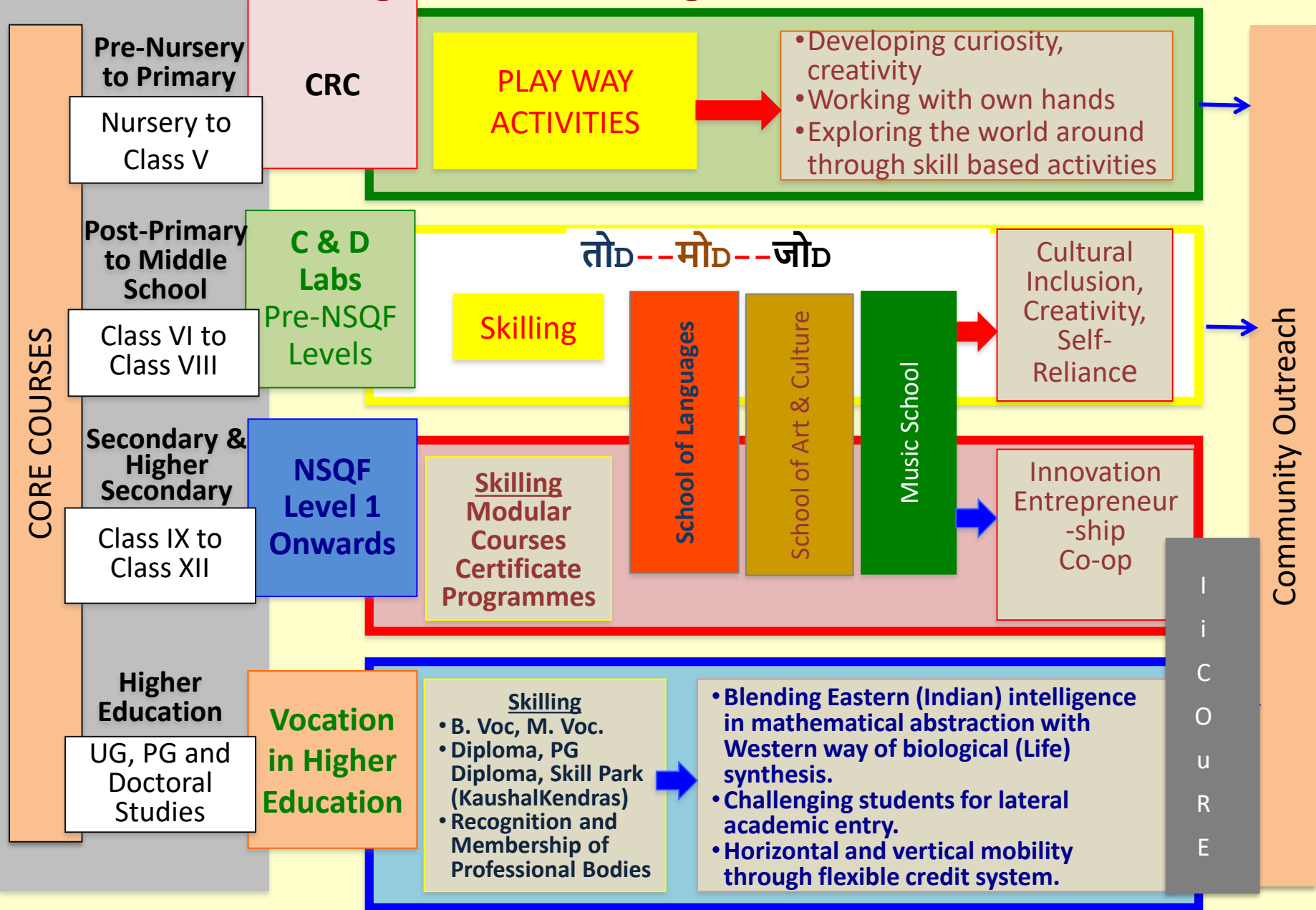




# Six Pillars of DEI Education: Systems Approach



# Integration of Skilling & Mainstream Education



# Technology & Networking as a Comprehensive Enabler of Education

## e-Learning

- MOOCS: SWAYAM @ DEI
- Vidyaprasar: DEI course portal
- Vocational courses; Digitization



## Online- Teaching

Student-centered online teaching-learning system (SCOTLS)



## Virtual Laboratories

- Remote Triggered Labs
- Simulation Labs
- Measurement Labs



## Quantum and Nano Computing Virtual/ Consciousness Center Superintelligence & Robotics



MEG Facility

## Information-communication-neuro-cognitive-Technologies Assisted Language Lab (i-c-n-c-TALL)



## e-Services

- EdRP Software

## 3G-5G & IoT/ Rural Connectivity



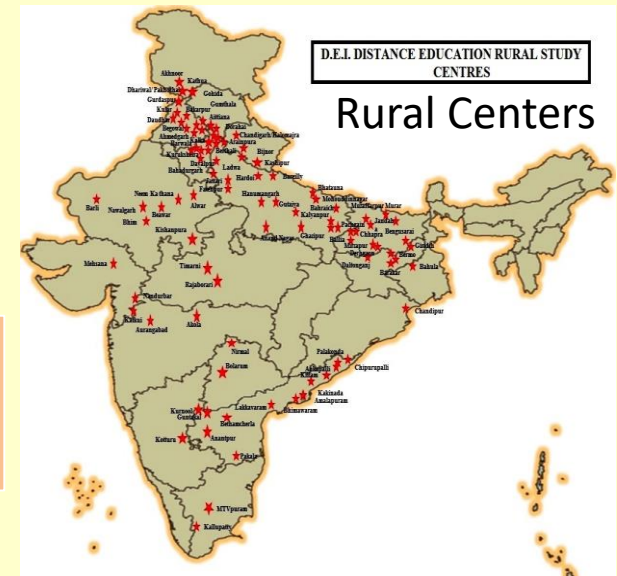
## Hole in the Wall



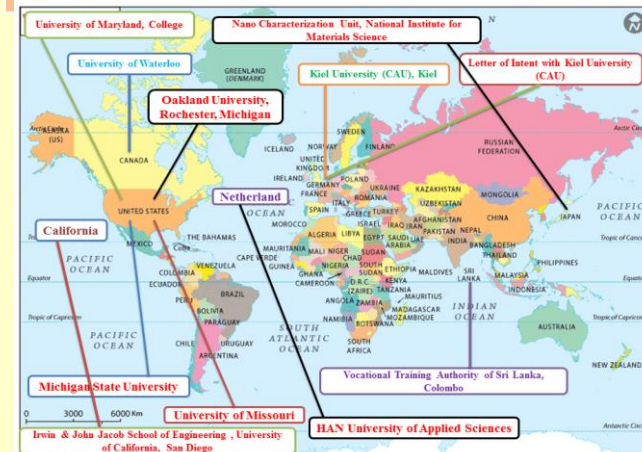
## Telemedicine



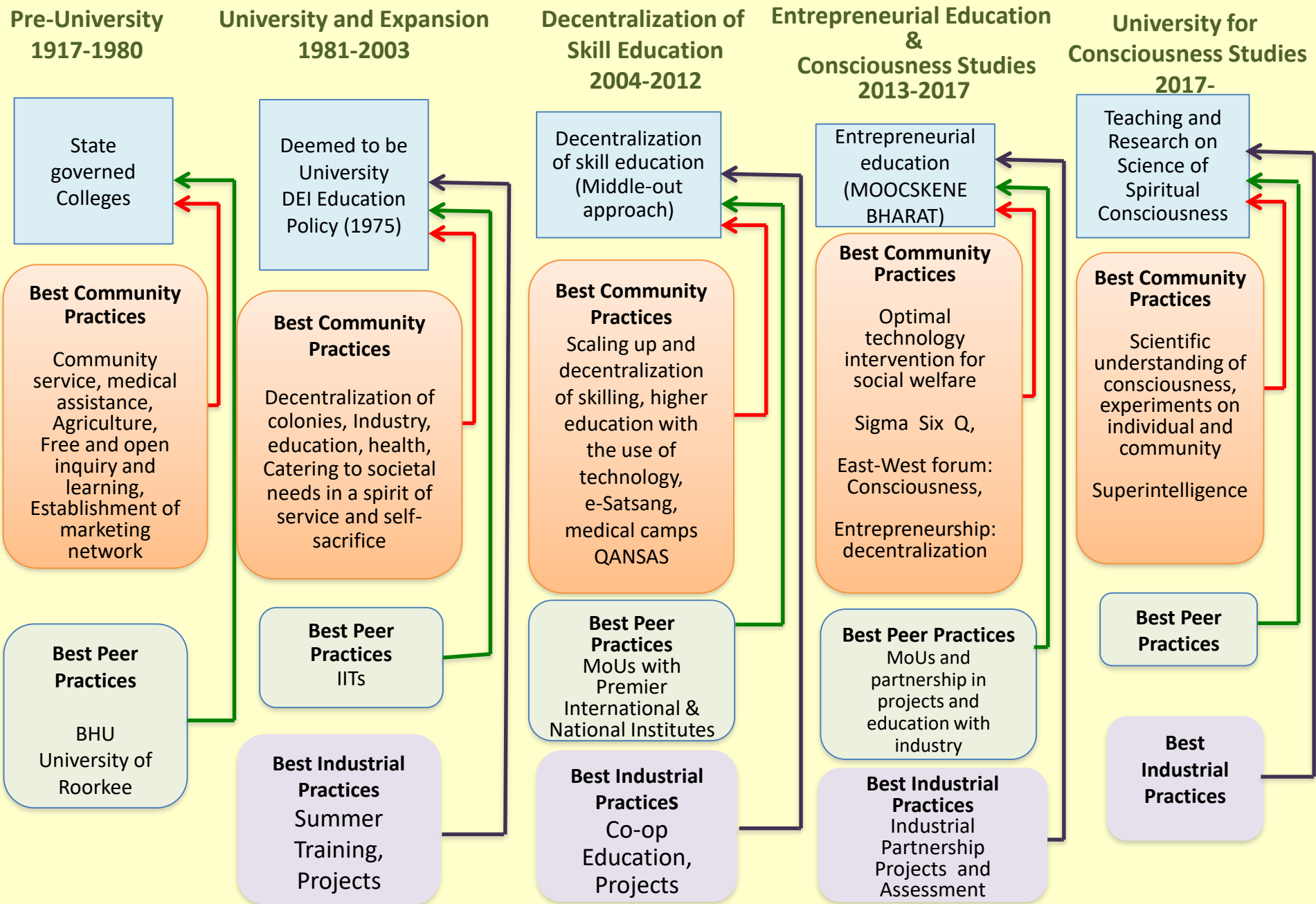
## Networking: 400 Centers in India & Abroad/ EDUSAT 57 Locations



## Collaborations & MoUs: 52 National 11 International; 30 Industry Partners 44 Research Collaboration, 5 Hospitals



# Historical Development of Education, Industry and Agriculture: Synergy with Dayalbagh

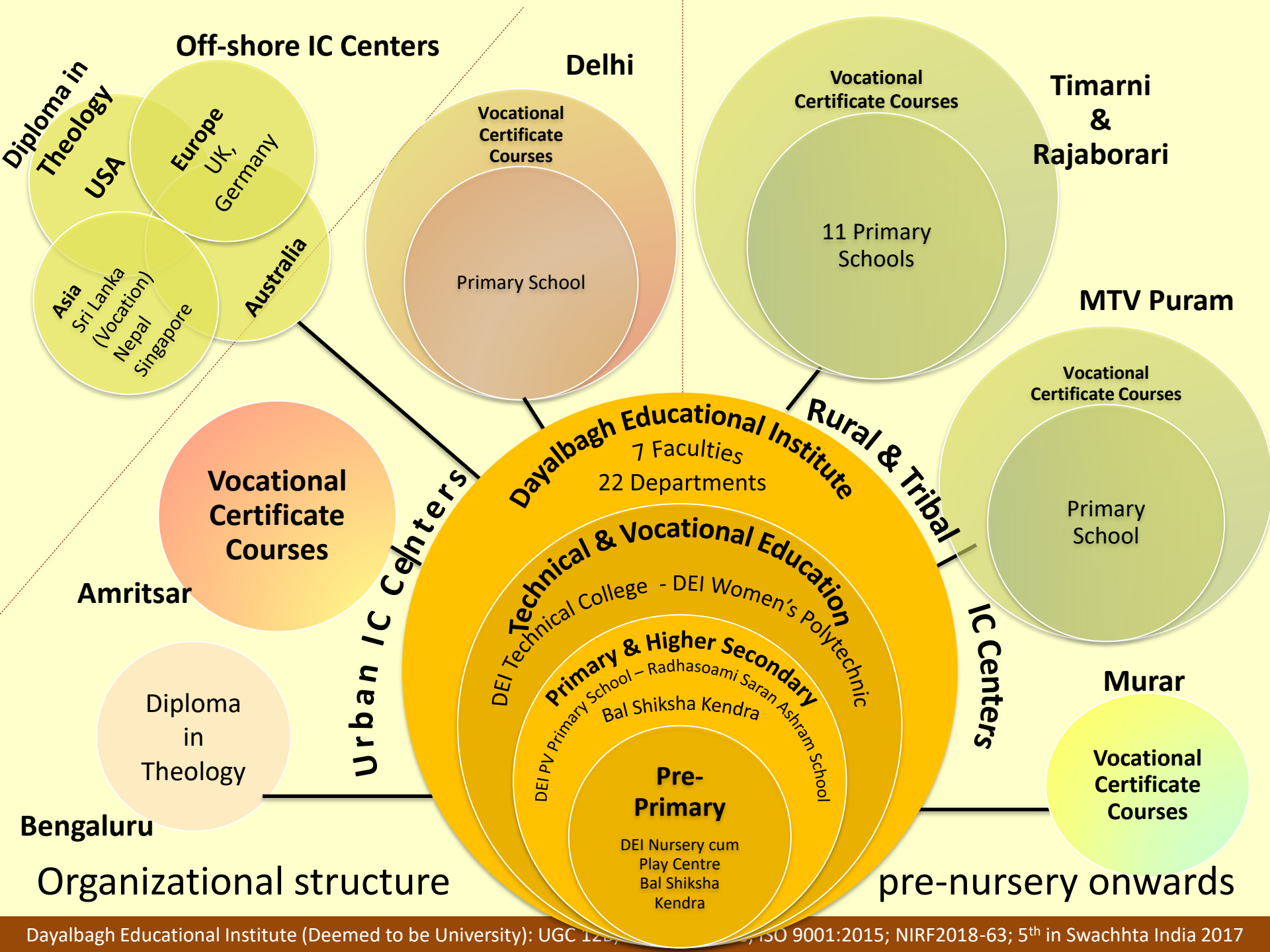




# DEI Vision and Mission

**A Leading Teaching-cum-Research Institute  
with focus on  
Entrepreneurial Education and Consciousness Studies**

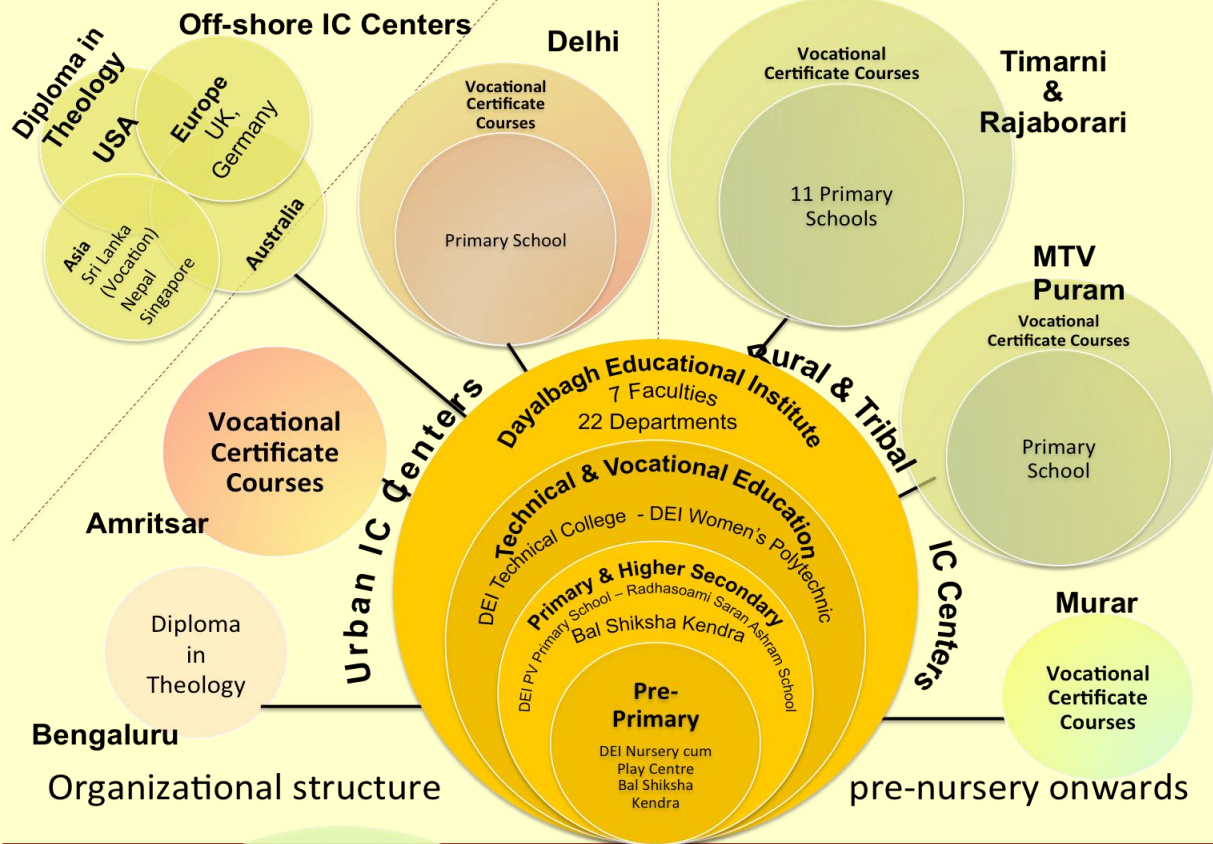
A model Deemed to be University that believes in **excellence with social relevance**, imparting **values-based and quality education**, with the objective of **reaching the last, the least, the lowest and the lost**; contributing to nation and community by **empowering weaker sections, women and children**; building the economy through **research and frugal innovation** anchored in the principle of achieving **more with less**.



# Present Organizational Structure and Future Plans

## Admission Plan

- Need-blind, merit-based admission for all, even those without means
- Recognition of prior learning
- Progression and pathways with multiple exits and entries



## Expansion Plan

2018

2032

### Enrolment:

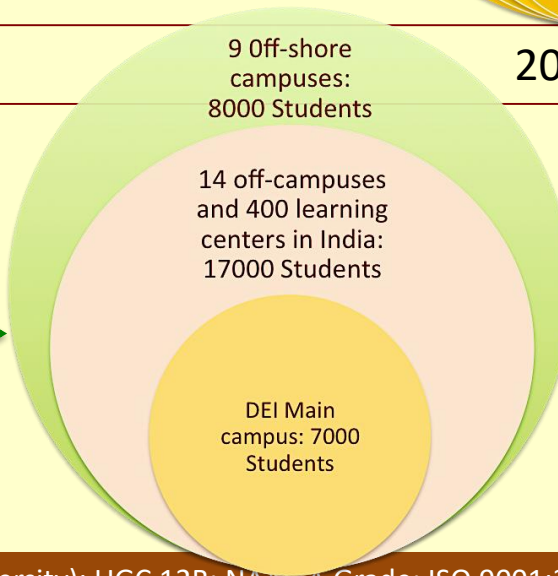
DEI Main Campus: 8000

Distance Centers: 4000

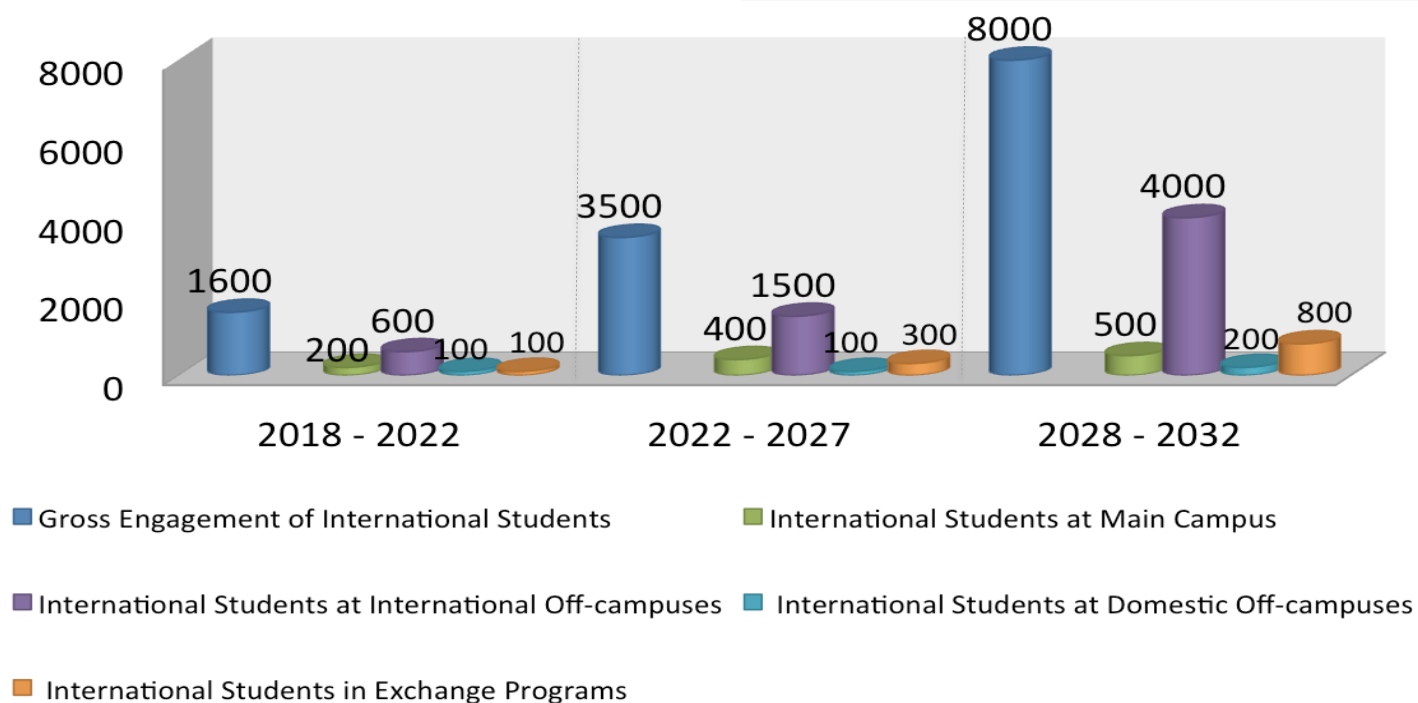
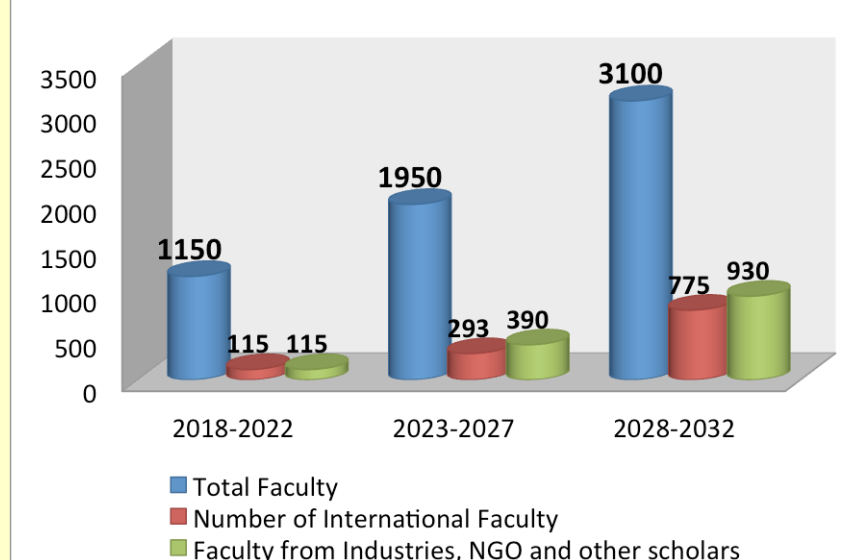
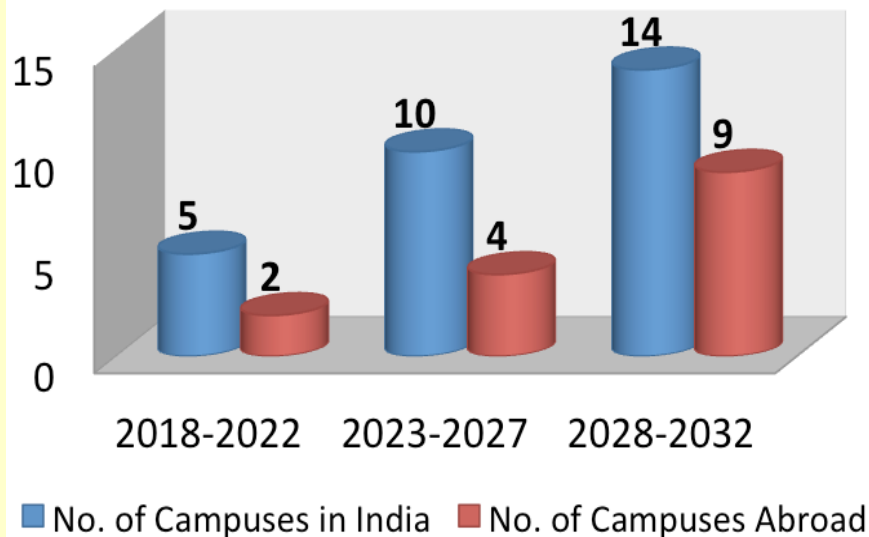
### No. of Faculty:

On Campus: 448

Mentors: 1100



- Regular Faculty: 700
- Emeritus Faculty: 200
- Honorary Faculty: 200
- Adjunct Faculty: 100
- Visiting Faculty: 100
- Mentors: 1200
- Facilitators: 600
- TOTAL: 3100**



**Financial Plan: Technology Intervention - Rs 40 crore**



## RESEARCH PLAN:

### Interdisciplinary Research Divisions

- **Esoteric Art & Science:** Life, Birth, Death, Rebirth, Stages of Meditation, Existence of God, Internet of Consciousness or Mind, Comparative Study of Faith & Ideology
- **Digital Life:** Artificial Intelligence, Logic, Performing Arts, Visual Arts, Values & Ethics
- **Thinkism:** Systems Thinking, System of Systems, Multi-disciplinary Thinking
- **Life & Mathematics:** Topology, Geometry, Quantum Science, Quantum Information & Computation, Neurotheology, Brain Modeling & Cognition
- **Sustainability** (Sigma Six Q Way of Life): Agriculture, Community Life, Infrastructure, Earth & Atmosphere
- **Classical Studies:** Mythology, Civilization, Culture, Linguistics
- **Agriculture:** Climate Smart Agriculture, Green Technology Integration, Organic Regenerative & Exotic agriculture
- **Entrepreneurship:** Frugal & Jugaad, Minimalism, Skilling to Job Creation
- **Maintenance Network:** Total Preventive, Software Testing, HRD for Residual Life Prediction, Health



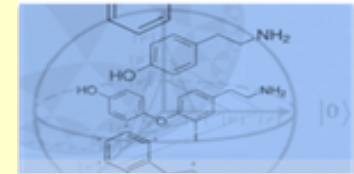
Esoteric Art & Science



Digital Life



Thinkism



Life & Mathematics



Sustainability



Classical Studies



Agriculture



Entrepreneurship



Maintenance Network

# From $n$ -qubit multi-particle quantum teleportation modelling to contextuality based quantum teleportation and beyond

Overview of attention for article published in International Journal of General Systems, January 2017



About this Attention Score

In the top 5% of all research outputs scored by Altmetric

MORE...

Mentioned by

- 51 news outlets
- 2 blogs
- 14365 tweeters
- 14 Facebook pages
- 375 Google+ users
- 3 Redditors
- 1 video uploader

Readers on

- 17 Mendeley

SUMMARY News Blogs Twitter Facebook Google+ Reddit

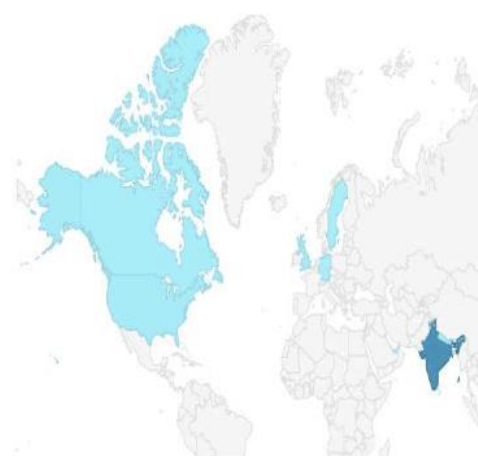
**Title** From  $n$ -qubit multi-particle quantum teleportation modelling to  $n$ -qudit contextuality based quantum teleportation and beyond  
**Published in** International Journal of General Systems, January 2017  
**DOI** 10.1080/03081079.2017.1308361  
**Authors** Dayal Pyari Srivastava, Vishal Sahni, Prem Saran Satsangi

TWITTER DEMOGRAPHICS

MENDELEY READERS

The data shown below were collected from the profiles of 14,365 tweeters who shared this research output.

[Information was compiled.](#)



## From $n$ -qubit multi-particle quantum teleportation modelling to $n$ -qudit contextuality based quantum teleportation and beyond

Dayal Pyari Srivastava<sup>a</sup>, Vishal Sahni<sup>b</sup> and Prem Saran Satsangi<sup>c,‡</sup>

<sup>a</sup>Department of Physics and Computer Science & Quantum-Nano Systems Centre, Dayalbagh Educational Institute, Agra, India; <sup>b</sup>Quantum-Nano Systems Centre & Centre for Consciousness Studies, Dayalbagh Educational Institute, Agra, India; <sup>c</sup>Advisory Committee on Education, Dayalbagh Educational Institutions, Agra, India

### ABSTRACT

This paper further generalizes the modelling framework for contextuality based quantum teleportation to  $n$ -dimensional quantum states, or  $n$ -qudits (quantum odd-prime based units) which holds considerable promise for even higher mathematical abstraction. The proposed generalization extends the two states in the qubit model, to  $n$  states and this  $n$  could tend towards infinity. We are heading towards point-sized loops or fine-grained particles of nature, which have been rejected out of hand by string theorists. It is not physical reality when measured from the sense of Planck's length of  $10^{-35}$  metres, but finer-grained particles than Planck's length  $10^{-35}$  metres may exist, although, they are not matter anymore. We argue that why stop at degree of freedom of three, but instead pursue quantum odd-prime based units with higher degree  $n$  such as 5, 7, 11, 13, 17 and so on till  $n^{\text{th}}$  degree of freedom even tending to infinity. String theorists admit its multiple landscapes with higher degrees of freedom which points its uniqueness both for particles finer than  $10^{-35}$  metres as well as distances greater than  $10^{10}$  light years. Modern research by physicists and mathematicians including Roger Penrose, Max Tegmark, Nick Bostrom and Herbert Bernstein provides scientific basis to this work.

### ARTICLE HISTORY

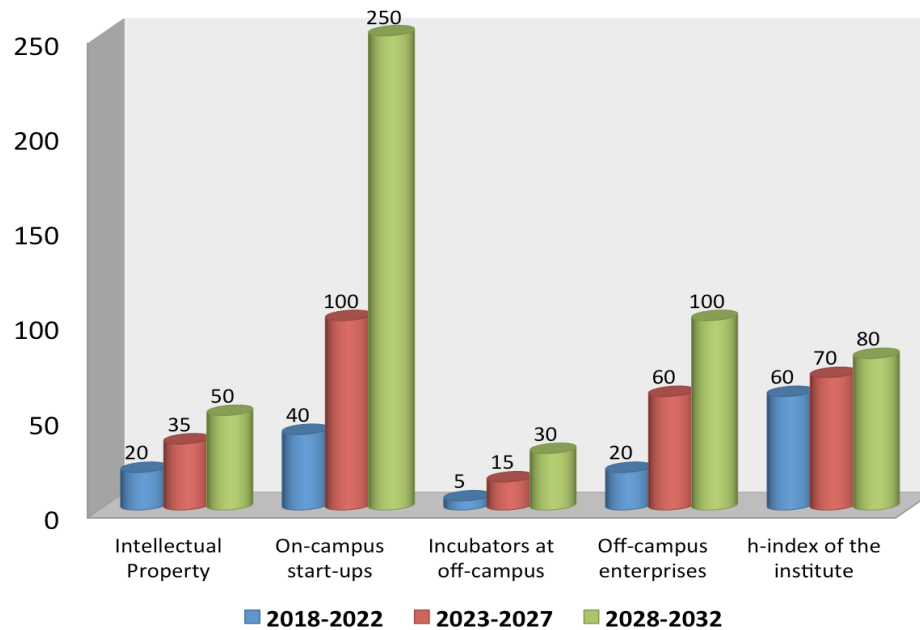
Received 28 June 2016  
 Accepted 9 March 2017

### KEYWORDS

Qudits; teleportation; contextuality

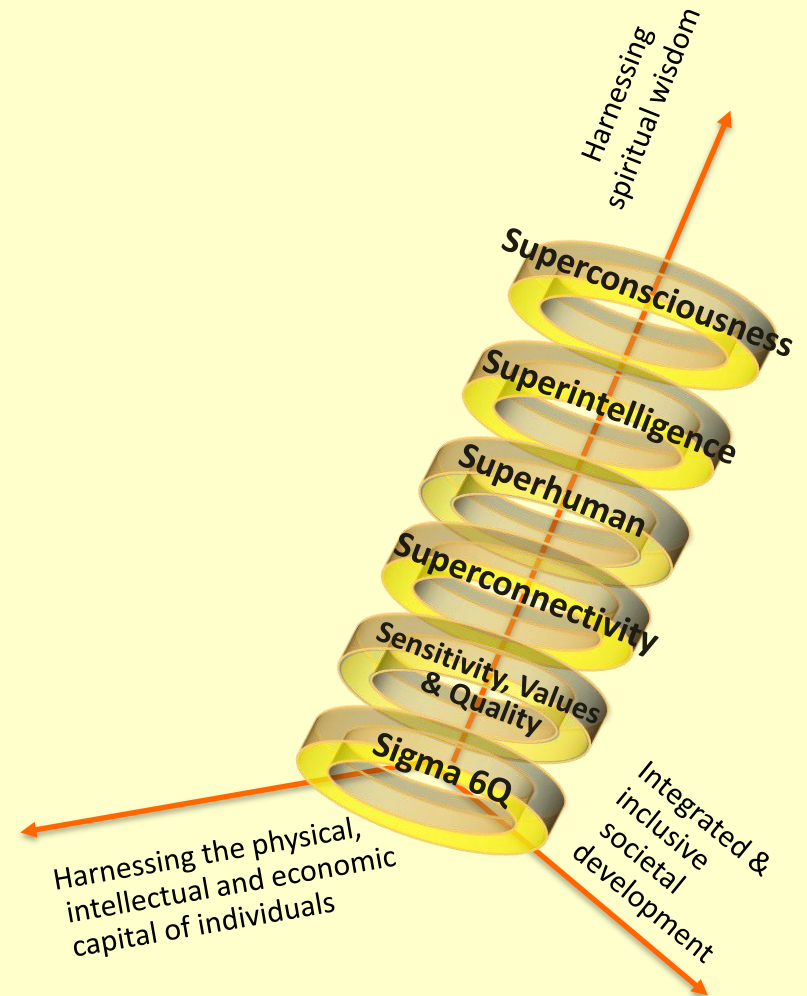
## QUANTIFIABLE OUTPUTS

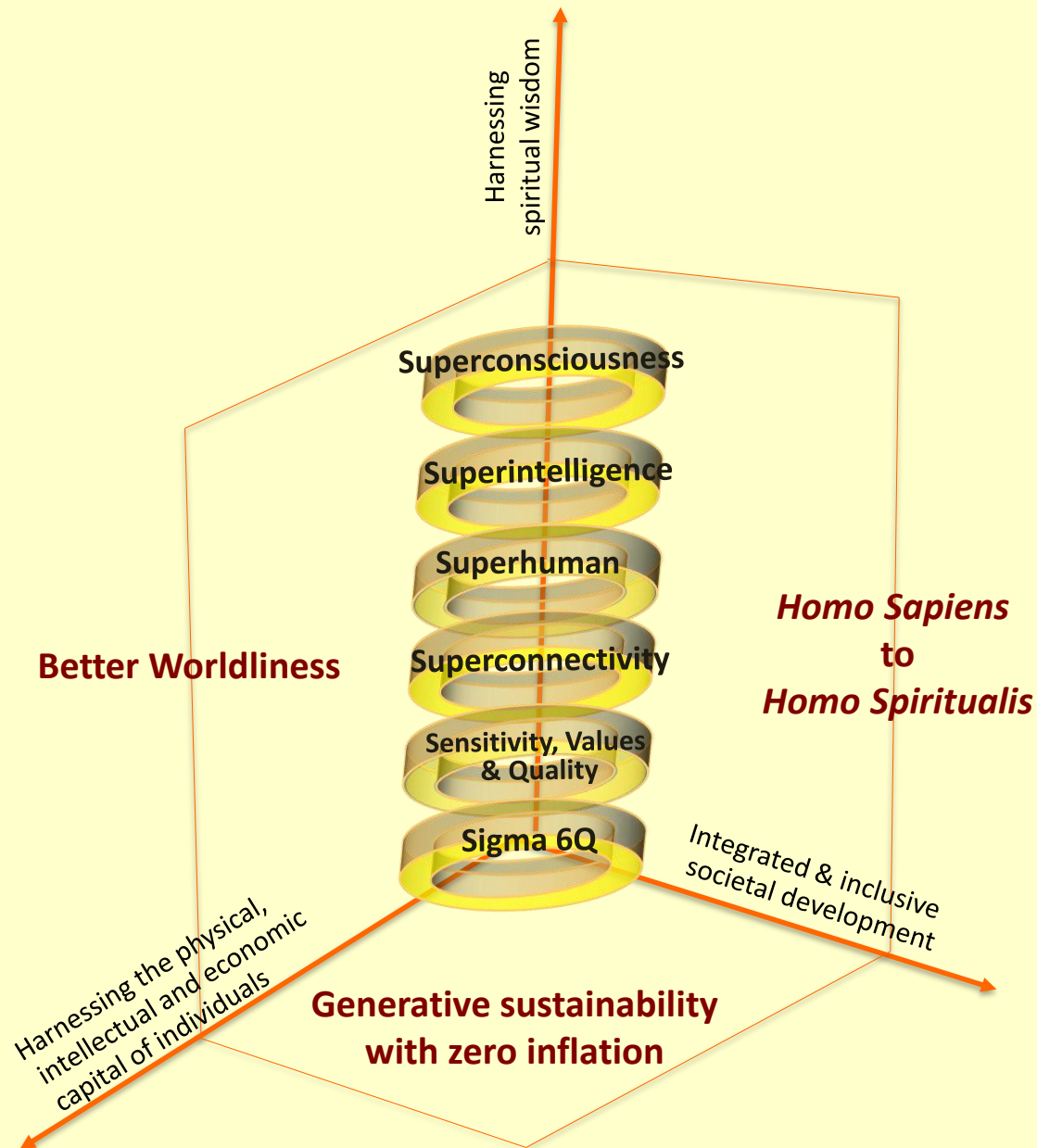
### Entrepreneurship Rs 100 crore



	2018	2028
<b>NAAC</b>	A	A++
<b>NIRF</b>	63	Top 10
<b>International Ranking</b>	NA	Top 100

## QUALITATIVE OUTPUTS







Thank you