



# DAYALBAGH EDUCATIONAL INSTITUTE

## (DEEMED TO BE UNIVERSITY)



Fully-funded by UGC under 12B

Review of Deemed Universities, by Prof. P.N. Tandon Committee 2009: A Category, 3<sup>rd</sup> Rank

ISO – 9001:2015 Certified Institution

NAAC : B++ (2005); A (2013); A+ (Score: 3.4) (2019)

NIRF Universities-2016: 91; 2017: 72; 2018: 63; 2019: 77

SWACHHTA Ranking: 5<sup>th</sup> Cleanest Institute in India, 2017

NBA Accredited Engineering Departments, 2019

Mentor Institute under UGC Paramarsh Scheme, 2019

Declared one of the five Green Campuses in India by the MNRE

1<sup>st</sup> Rank in AICTE Utkrisht Sansathan Vishwakarma Award, 2019

MHRD funded School of Education, Pt. MM Malviya National Mission on Teachers & Teaching, 2019

Ministry of Textiles empanelled DEI as Govt. Training Partner with UPSDM for Skilling SC/ST, 2019

DST Mission Innovation Smart Grid Project, with IIT Roorkee & Univ. of Tromso, Norway, 2019

EU-DST ERA-Net Smart Energy Systems & Mission Innovation on Energy Storage Solutions, 2020

# 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

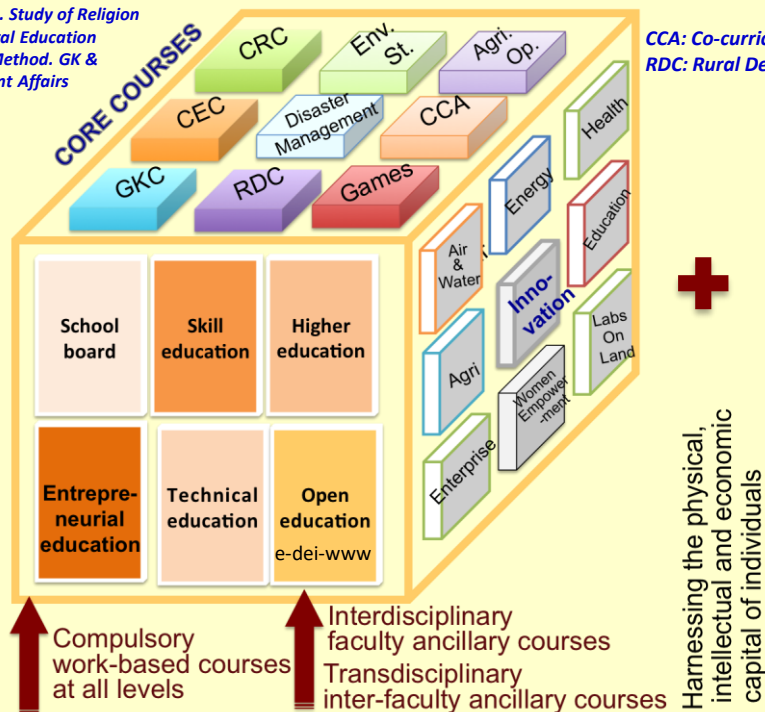
Respect for all beliefs and faiths

Creation of a spirit of Brotherhood of Man

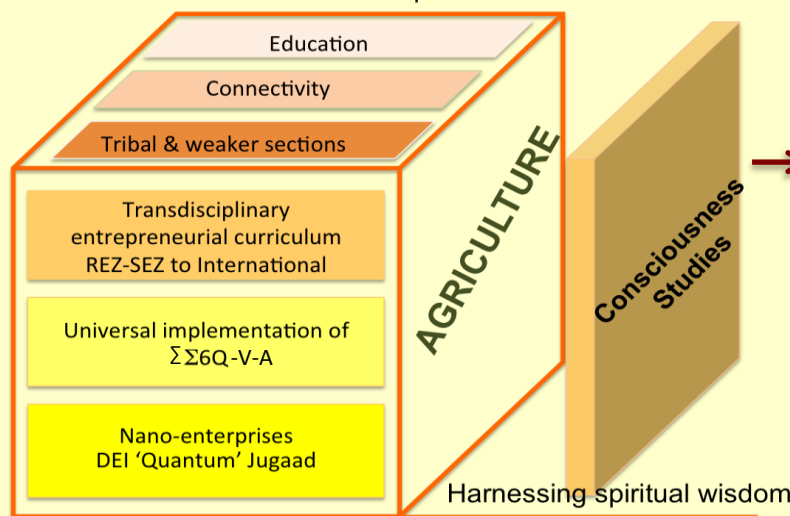
CRC: Comp. Study of Religion  
CEC: Cultural Education  
GKC: Sci. Method. GK & Current Affairs

CCA: Co-curricular Activities  
RDC: Rural Development

Framework of Education in DEI



Harnessing the physical, intellectual and economic capital of individuals



## 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

Integrated & inclusive societal development

Complete Well-Rounded Person



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

The Science of  
Consciousness:  
East-West Forum

Spirituality:  
Highest level  
of education



Quantum  
Computing,  
Physics and  
Consciousness  
Studies



QANSAS

**EXCELLENCE  
with  
RELEVANCE**



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



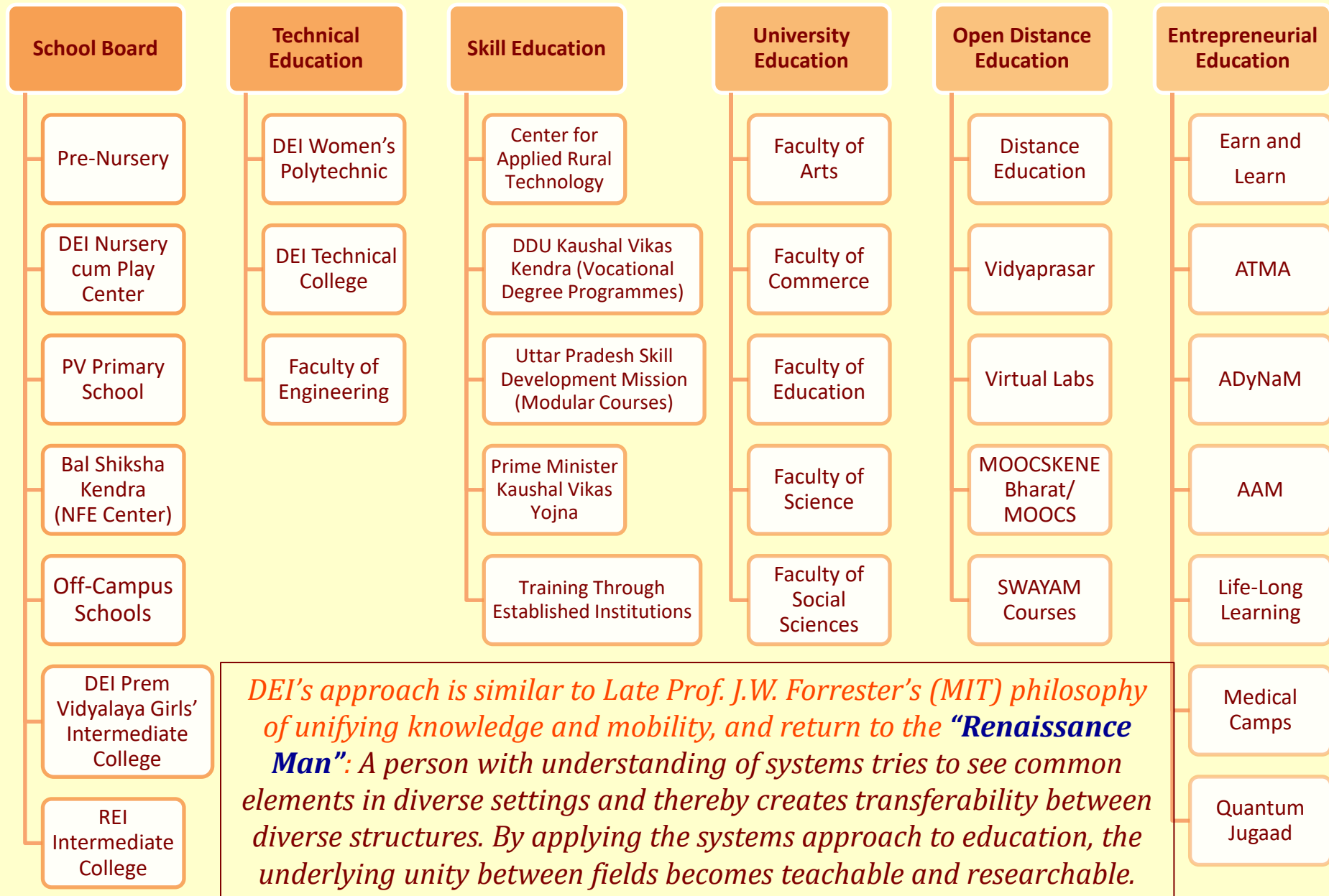
MOOCSKENE  
Bharat



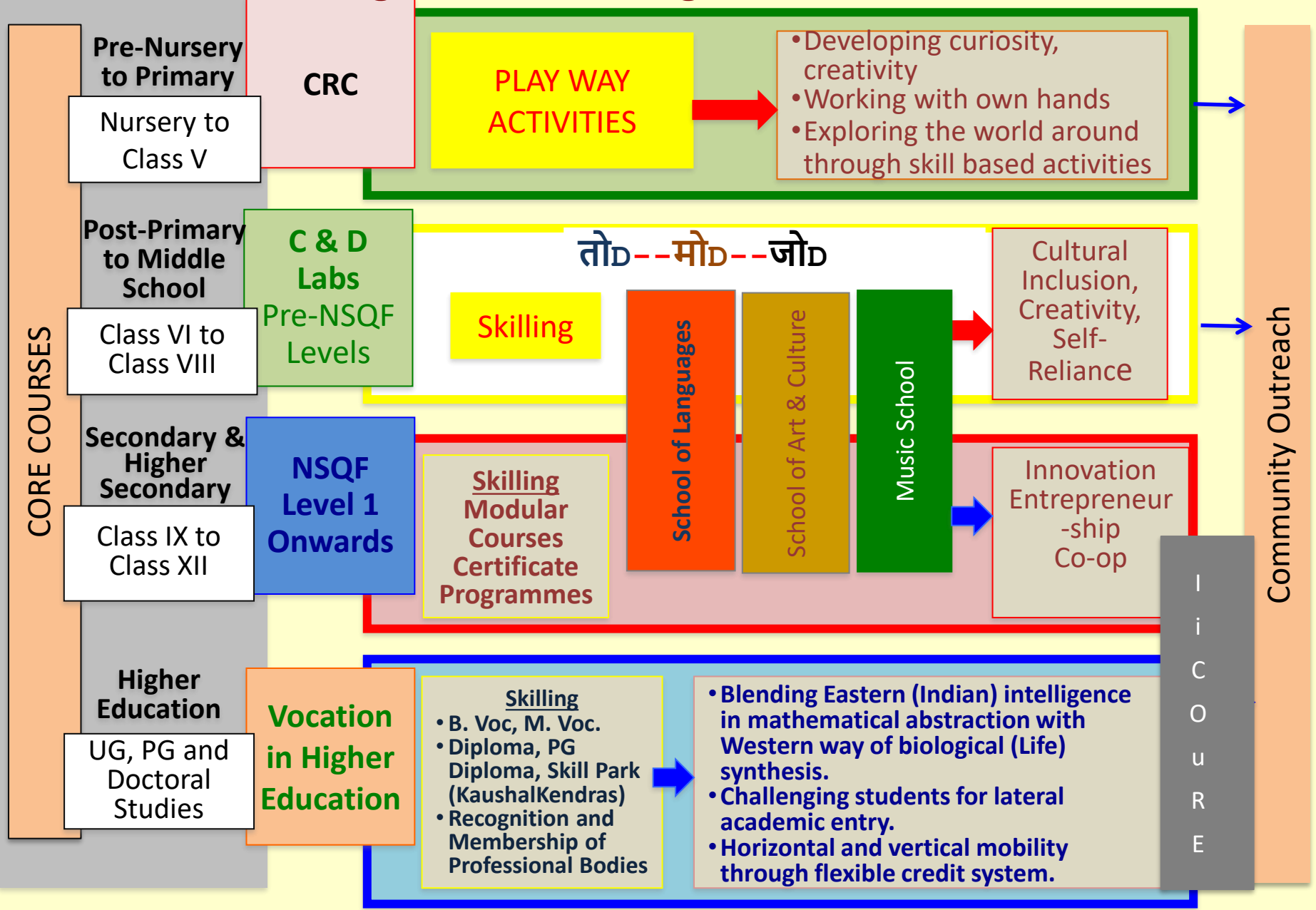
Innovative  
&  
(Re)Generative  
Institute



# 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

Sir Roger Penrose

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



## e-Services

- EdRP Software

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



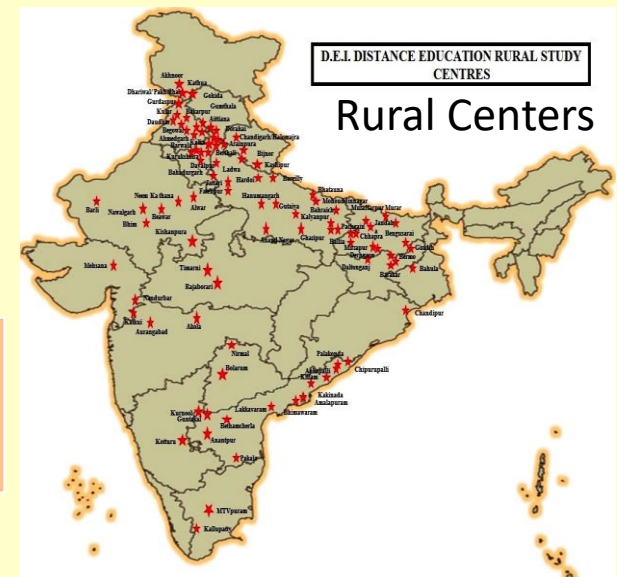
## Hole in the Wall



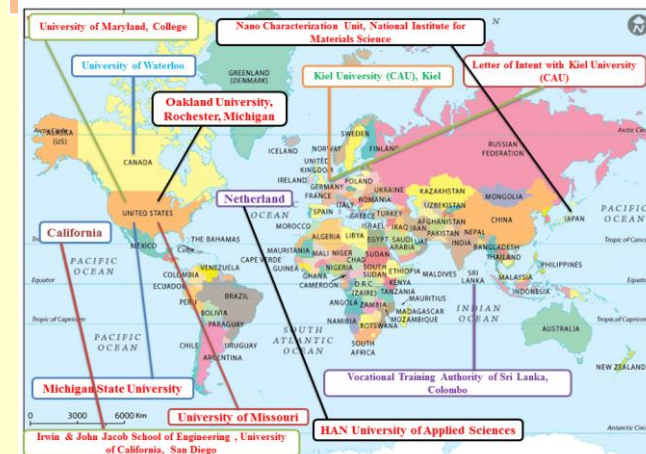
## Telemedicine



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



## Collaborations & MoUs: 55 National 19 International; 33 Industry Partners 44 Research Collaboration, 5 Hospitals



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

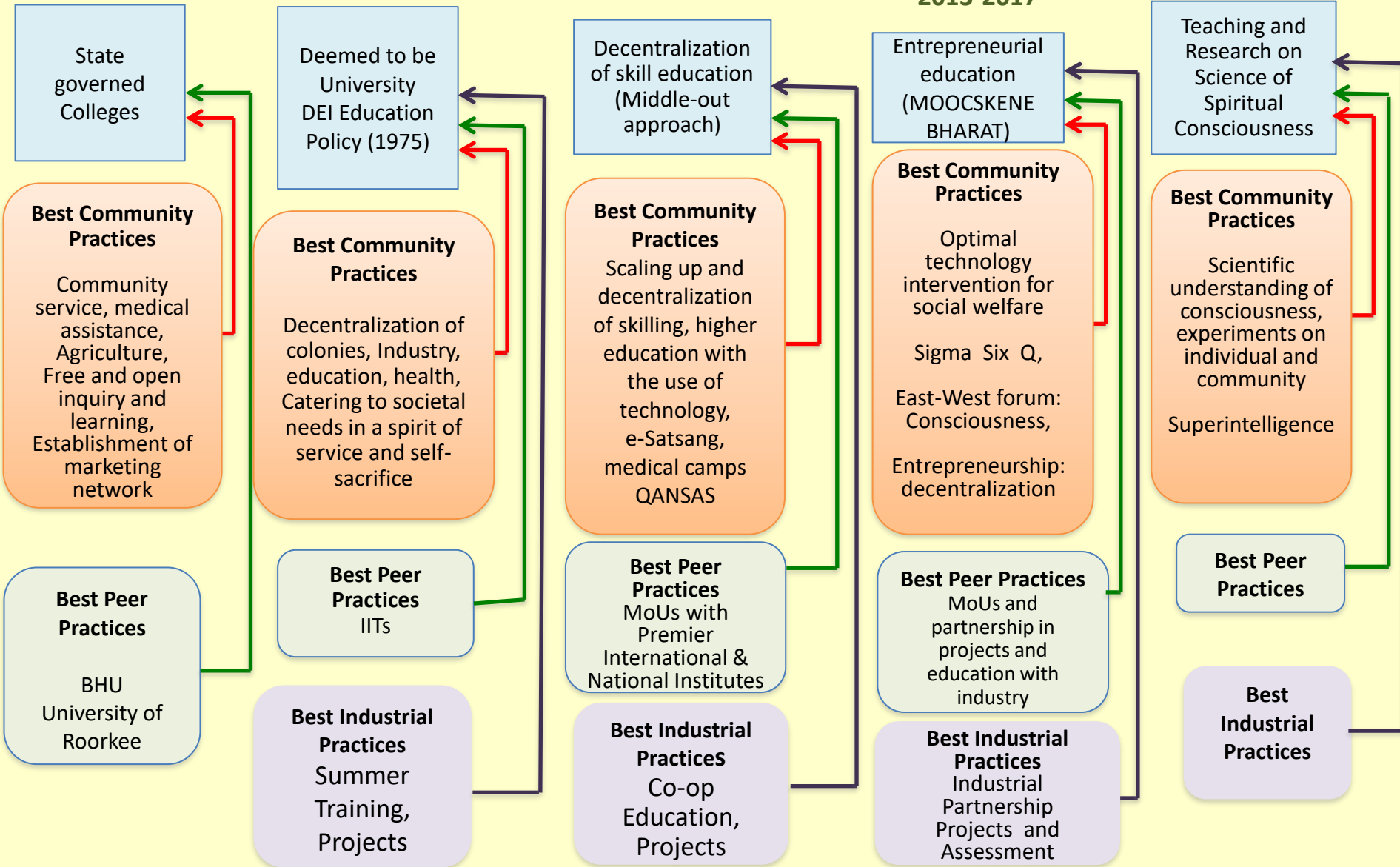
## Pre-University 1917-1980

## University and Expansion 1981-2003

## Decentralization of Skill Education 2004-2012

## Entrepreneurial Education & Consciousness Studies 2013-2017

## University for Consciousness Studies 2017-



# DEI Vision and Mission

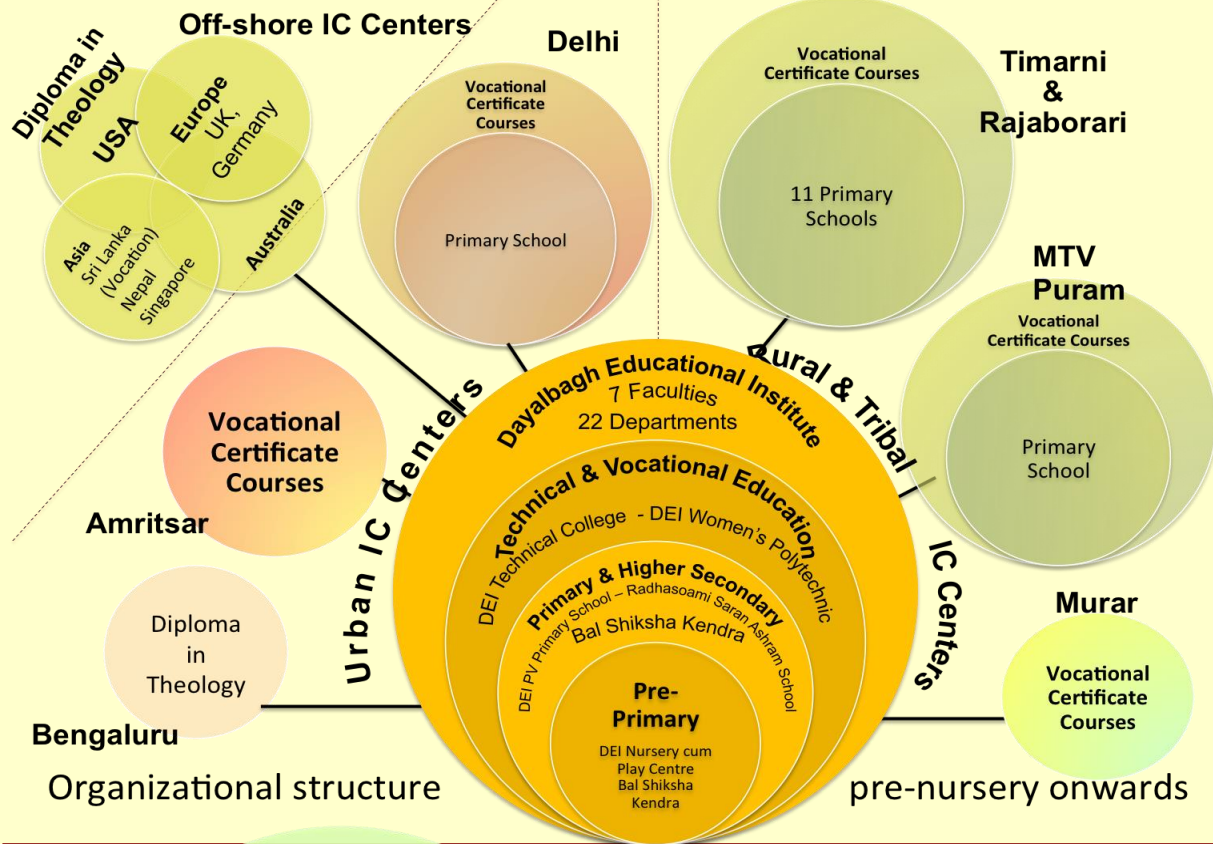
**A Leading Teaching-cum-Research Institute  
with focus on  
Entrepreneurial Education and Consciousness Studies**

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**.

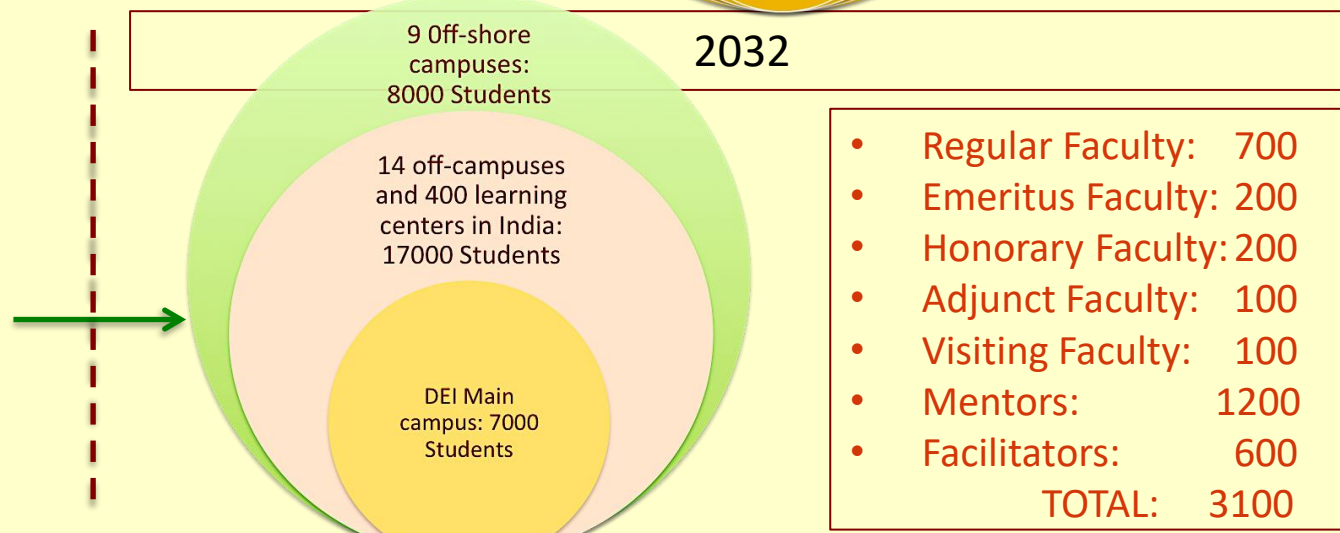
# Present Organizational Structure and Future Plans

## 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

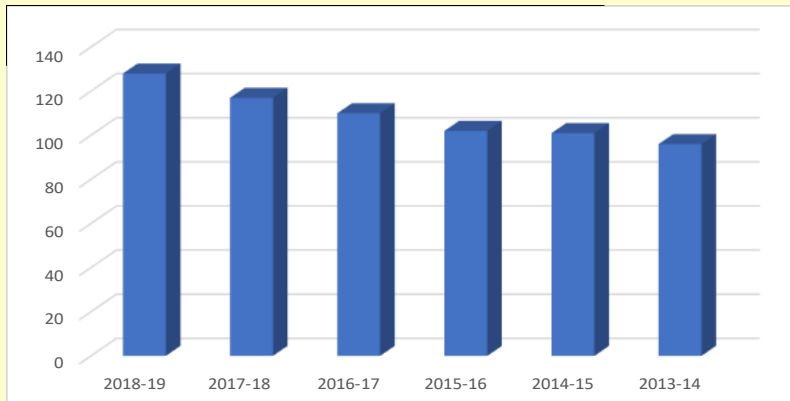


## Expansion Plan

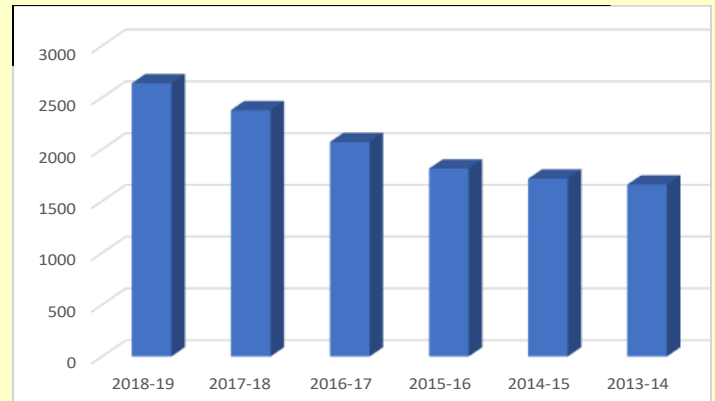


# METRICS

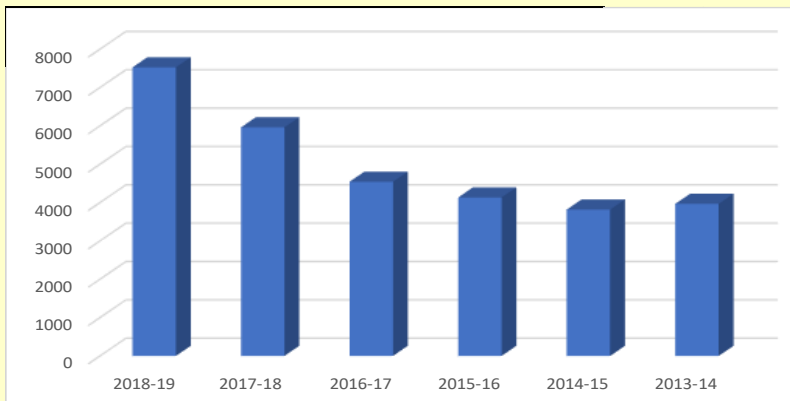
No. of Programmes



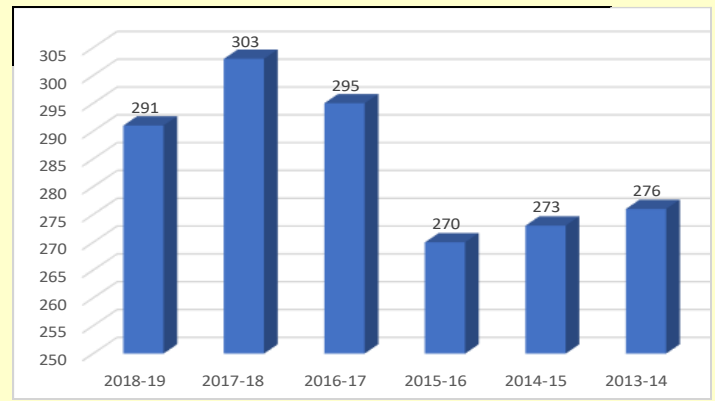
No. of Courses



No. of Students

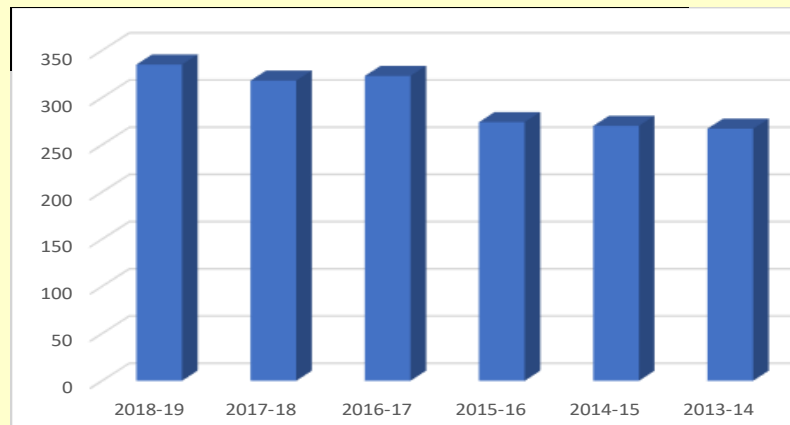


No. of Full-Time Teachers

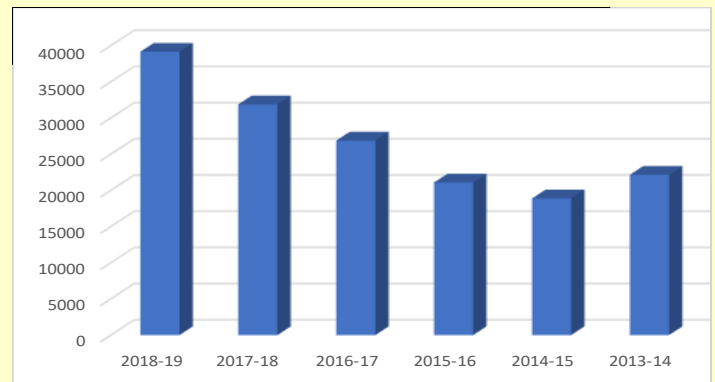


**Teacher –Student Ratio (2019): 1:26**

No. of Sanctioned Posts



No. of Applications for Admission



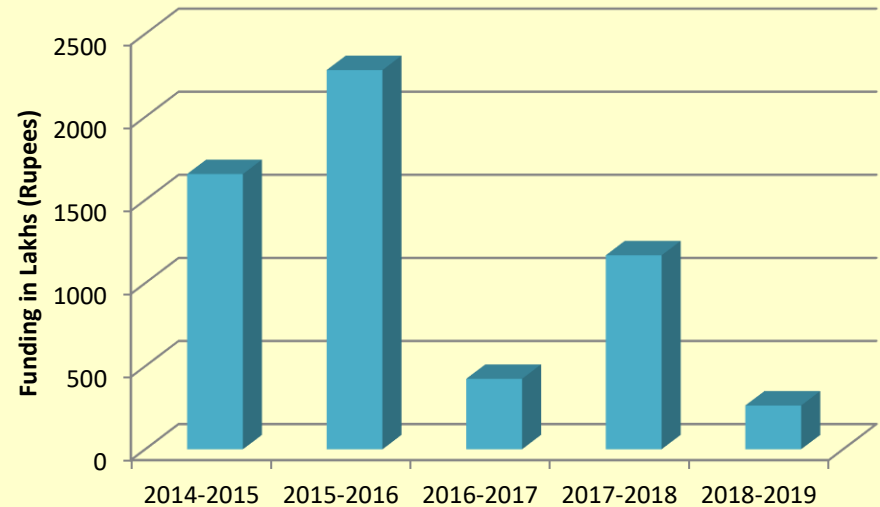
# Research @ DEI

**h-Index of DEI: 53**

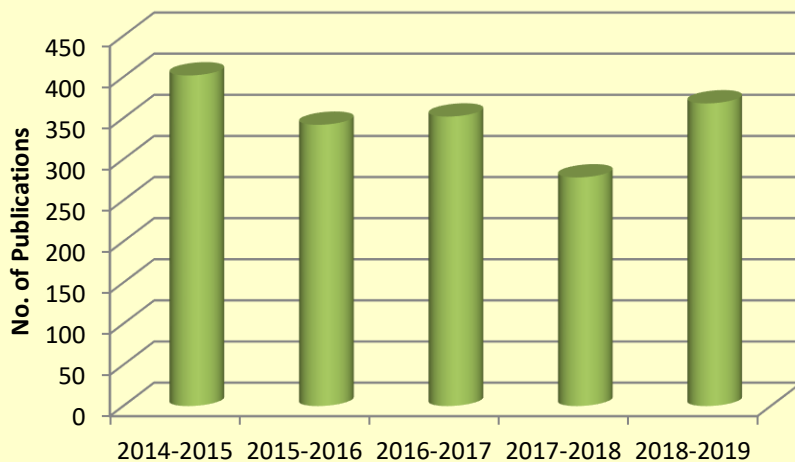
**Last five years:**

- *Patents Granted* : 5
- *Patents Filed* : 4
- *Citations* : 13,764
- *Confs./Seminars/Workshops*: 81
- *UGC-SAP funded Depts.* : 6
- *DST-FIST funded Depts.* : 6

## Grants for Research Projects



## Publications



## Societal Impact



Solar and renewable energy



Rural Economic Zone to international markets



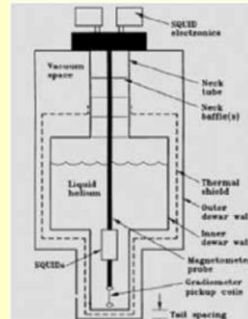
Innovation and creativity as key performance parameters



Community-driven development and participation

# Science of Consciousness

Experimental studies of neurotheology and consciousness are facilitated by the SQUID (Superconducting Quantum Interference Device) MEG facility in the DEI Centre for Consciousness Studies.



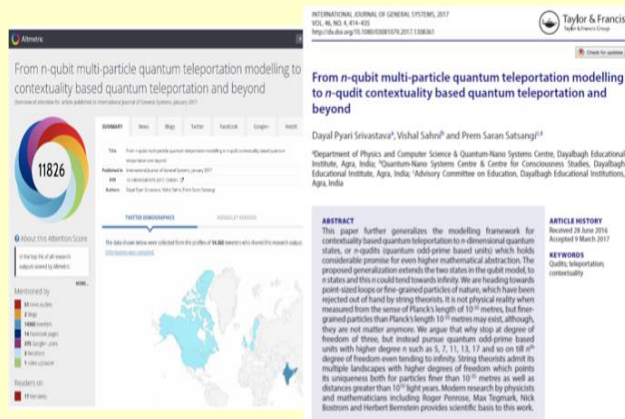
Sir Roger Penrose at DEI MEG (2013)



**(i-c-n-c) TALL** facilitates teaching and learning of various languages using technology and promotes interdisciplinary research in consciousness, literature, language learning and teaching.



The **Superman (Sant-Su) Evolutionary scheme** is an experiment in early childhood education and consciousness.



# THE SECOND INTERNATIONAL CONFERENCE ON DAYALBAGH SCIENCE OF CONSCIOUSNESS

# DSC 2020

## MAY 22, 2020, WATERLOO, ONTARIO, CANADA

(European leg on May 25, 2020 at Christian Albrechts University, Kiel, Germany)

*"Providence has located within the human body a special spiritual faculty, and it is the exclusive function of religion to teach man all about that faculty. When that faculty is developed in us like our other physical and mental faculties, we shall be able to perceive Truth and realize Ultimate Reality in the same manner as we perceive and realize the sun with our physical eyes. And when this takes place, you will be both astonished and amused to find that Truth – the goal of science, Ultimate Reality – the goal of philosophy, and God – the goal of Religion, are but three names of the same Supreme Essence."*

- Sir Sahabji Maharaj, Founder of Dayalbagh  
Convocation Address at Agra University (1935)



Emeritus  
Chairs of the  
Conference

The scientific debate and discussion organized worldwide by Dayalbagh Educational Institute (India) from 2012 to 2019 has made the advance of Mission Science of Consciousness citius, altius, fortius or faster, higher, stronger. The consciousness programme at Dayalbagh Educational Institute has since expanded and matured to a global conference of its own and the strategic rethink is inspired by the Advisory Committee on Education (ACE) think-tank at Dayalbagh. In order to consolidate our fast-growing convergence for promoting "Better Worldliness" globally, our conference series is aptly named as DSC (Dayalbagh Science of Consciousness) and the acronym additionally honours the D.Sc. - Doctor of Science (Honoris Causa) degree conferred by DEI in 2018 for spiritual attainment on Reverend Prof. Satsangi. The first DSC 2019 conference was organized at the University of Waterloo, Canada in September 2019.

## EMERITUS CHAIRS

East

## FROM TSC (2012-2019) TO DSC (2019-2020)

A meaningful scientific dialogue on integrating eastern and western perspectives of consciousness has been initiated by the Dayalbagh Educational Institute, India and it has continued at East-West Forums organized at TSC (Toward a Science of Consciousness) conferences all over the world from 2012 to 2019 and DSC 2019 at Waterloo. The consciousness programme at Dayalbagh Educational Institute has since expanded and matured to a global conference of its own (DSC) to consolidate our fast-growing convergence for promoting "Better Worldliness". Never before has a community, only a few generations old, ever been granted the role of globally expanding spirituality and eastern thought in one of the most troubling times of turmoil in the world and we will never shrink from this responsibility. We will deliberate with scientists in the spiritual arena of Dayalbagh, we will debate in the deserts of Arizona, we will engage in the frigid Arctic hills of Helsinki, we will confer in the Alpine highlands of Switzerland, we will converse in America's finest city of San Diego, we will rendezvous in Waterloo and Kiel, and we are determined to stay the course with Reverend Prof. Satsangi leading from the front in Supreme Command forever and forever in the clarion call of Mission Science of Consciousness.

Reverend Prof. Satsangi has drawn a line in the global sand for consciousness studies at Dayalbagh similar to the letter 'E' drawn with a stick in the spiritual sand of Dayalbagh by Sir Sahabji Maharaj, Founder of Dayalbagh and Education in Dayalbagh.



TSC 2012 at Tucson

at the foundation-laying ceremony of Radhasoami Educational Institute (REI), the first building of this hallowed centre of spirituality. Study of theology was started in Dayalbagh by Hazur Sahabji Maharaj, educational and agricultural institutions were consecrated by Hazur Mehtaji Maharaj, golden mean DEI Education Policy was gifted by Hazur Dr. Lal Sahab and all have been integrated into Sigma Six AQV (Attribute: Quality & Values) Way of Life by Reverend Prof. Satsangi Sahab. We only have to give our best full measure of devotion to advancement of the great tasks that have brought the spotlight of the entire global community on Dayalbagh.

The DSC series emphasizes aspects of consciousness viewed from a scientific perspective beyond any religious identity or tradition and serve as a platform for interaction of key ideas from various perspectives in the spirit of constructive criticism, evaluation and mutual enrichment. DEI has entered into a Memorandum of Understanding (MoU) for joint research and collaboration with University of Waterloo since 2008 and DSC falls under its purview. Fifty years ago, man conquered the moon and Reverend Prof. Satsangi conquered systems theory with Doctorate from University of Waterloo in 1969 and today, it is India's turn to conquer the moon and Dayalbagh Systems Philosophy to conquer the stars. Every DSC will be one step for brotherhood of man and a giant leap for Fatherhood of God and the choice of location for DSC 2020 is indeed most appropriate. Conferences will come and go, organizers will appear and disappear, but Radhasoami Philosophy will always remain and its global expanse shall remain eternal.



Sir Roger Penrose at DEI (2013)



TSC 2013 at DEI, Dayalbagh



TSC 2014 at Tucson



TSC 2015 at Helsinki



TSC 2016 at Tucson



Emeritus Chair (East) at TSC 2016, Tucson



TSC 2017 at San Diego



TSC 2018 at Tucson



TSC 2019 at Waterloo

For further details, refer to [www.dei.ac.in](http://www.dei.ac.in)

## 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



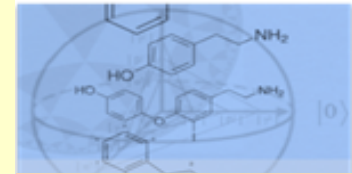
Esoteric Art & Science



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

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

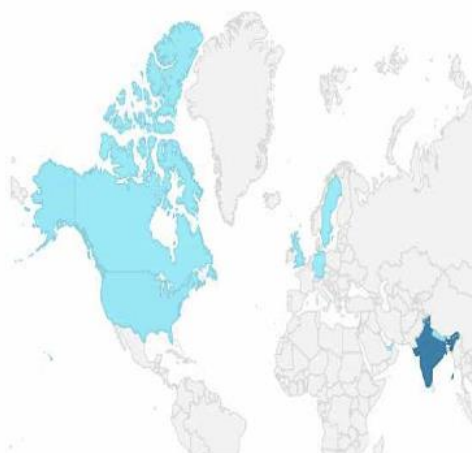
**Title** From  $n$ -qubit multi-particle quantum teleportation modelling to  $n$ -qudit contextuality based quantum teleportation and beyond  
**Published in** International Journal of General Systems, January 2017  
**DOI** 10.1080/03081079.2017.1308361  
**Authors** Dayal Pyari Srivastava, Vishal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

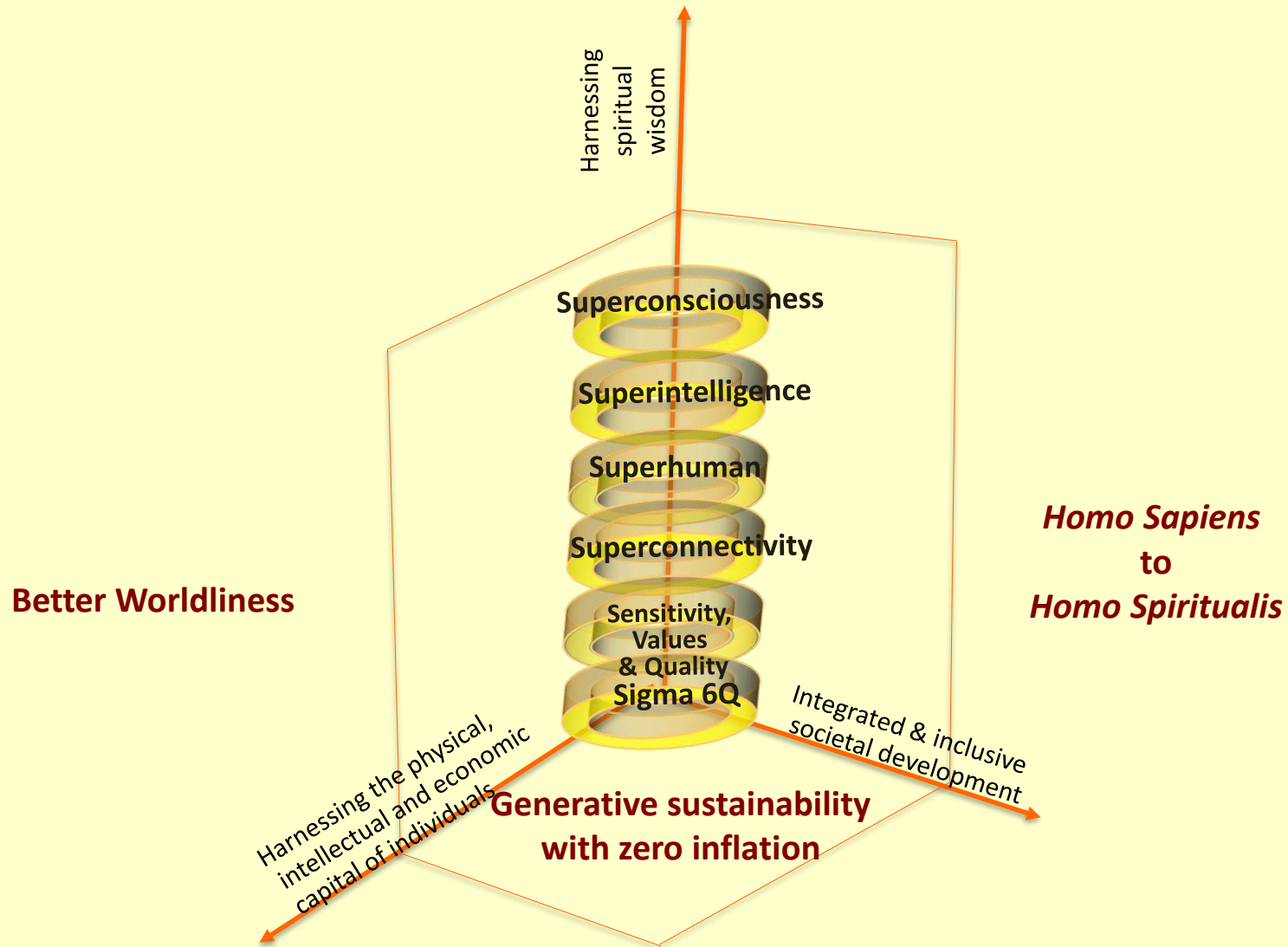
### ARTICLE HISTORY

Received 28 June 2016  
 Accepted 9 March 2017

### KEYWORDS

Qudits; teleportation; contextuality

# Ultimate Objective



# Financial Support

Rs. in lakhs

Year	GRANT RECEIVED FROM UGC					TOTAL GRANT RECEIVED	GRANTS UTILISED		
	OH-36	OH-31	OH-35	Grant for EWS	Building		OH-36	OH-31	OH-35
	Salary	Pension, Non-salary, Grant In Aid	Capital Assets				Salary	Pension, Non-salary, Grant In Aid	Capital Asset
2019-20	4,333.25	515.86	542.92	0.00	0.00	<b>5,392.03</b>	4,426.07	1,164.97	734.10
2018-19	4,719.51	Included in OH 36	837.11			<b>5,556.62</b>	4,700.17	490.98	1,330.58
2017-18	4,113.50		1,059.50			<b>5,173.00</b>	4,323.30	389.19	24.48
2016-17	2,942.80		217.50			<b>3,160.30</b>	2,969.12	425.76	254.59
2015-16	2,745.65		110.00			<b>2,855.65</b>	2,733.59	306.39	15.48

**NOTE:** *There was a shortfall in the Financial Year 2019-20 under the Head Pension of Rs. 223.42 lakhs & Non -salary of Rs. 261.01 lakhs & Grant-in aid General of Rs. 16.21 lakhs met by taking bank loans.*

# Financial Support

- UGC communicated the MHRD instruction for implementation of EWS Schemes.
- DEI submitted its requirement as given bellow vide letter dated 31-01-2019.
- DEI has implemented the EWS Schemes and admitted 1165 students (15%) in the session 2019-20.
- However, no grant has so far been received.

## EWS REQUIREMENTS

Head	Items	Amount (Rs in lakhs)
OH-36	Teaching and Non- Teaching Salary	2141.00
OH-31	Contractual Staff and Other Expenditure	767.00
OH-35	Creation of Capital Assets	24600.00
Total		27508.00

*Further, the Institute has already implemented OBC Reservation Scheme for which construction of Lecture Hall Complex was approved by the UGC Empowered Committee (Rs. 1154 lakhs) for which funds are yet to be received.*

# A SURVEY STUDY FOR ASSESSMENT OF ACTIVITIES & FEATURES OF DAYALBAGH EDUCATIONAL INSTITUTE FOR 11 GLOBAL COMPETENCIES & 17 SUSTAINABLE DEVELOPMENT GOALS

Survey - 09

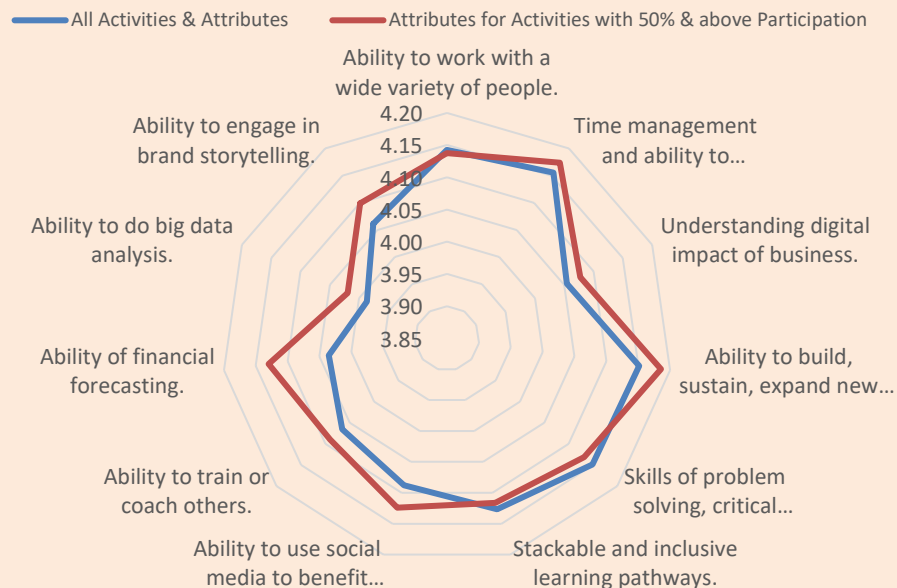
Respondents - 10149

International Participants - 26

## 69 Activities and their attributes mapped with 11 Global Competencies:

- All activities contributed significantly
- NSS/NCC, Agriculture Operations, Rural Development, Core Courses prominently develop attributes like dignity of labour, social sensibility for a classless-creedless society.

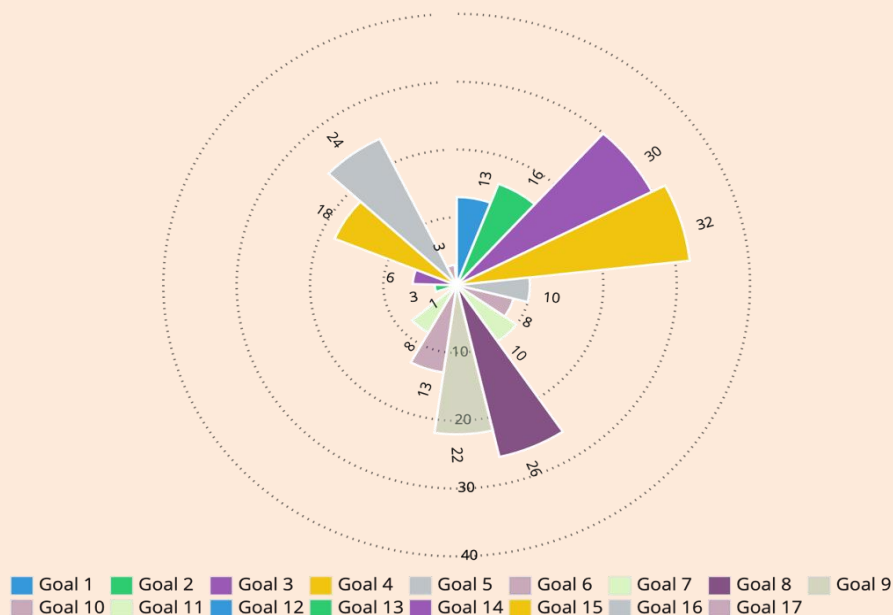
### DEI Activities and Global Competencies



## 34 Activities & features mapped with 17 Sustainable Development Goals:

- Complete coverage of all the 17 SDGs
- Out of 34, 32 contribute to Quality Education, 30 to Good Health and well-being, 26 for Decent Work and Economic Growth and 24 for Peace, Justice and Strong Institutions.

### Number of DEI Activities & Features Contributing to 17 SDGs



# Covid-19 Management at dEI

**Prevention and Negation of the impact of Covid-19 using Social Media Platforms (Dedicated Channels at YouTube, Twitter and Facebook):**

- *Informative videos, posters and slogans in different languages, self-composed poems, songs etc.*
- *More than 400 students successfully completed IGoT-Basics of Covid19 and received certificates from MHRD*
- *More than 200 students attended Leadership Talk organized by MHRD Institute Innovation Council*
- *Strict adherence to pre-announced Academic Calendar by online teaching, continuous evaluation of theory and practical exams*
- *Declaration of Results to be on-time*
- *Preparation for online entrance tests during June-July, 2020*
- *Next session 2020-21 to begin on-time*



*“You see things; and you say, ‘Why?’  
But I dream things that never were;  
and I say, ‘Why not?’”*

**-GEORGE BERNARD SHAW**

Thank You