




# Quest for quality in Higher Education

Presentation by  
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at the  
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“ We want the education by which character is formed, strength of mind is increased, the intellect is expanded, and by which one can stand on one’s own feet. ”

Swami Vivekananda

# Organisation of Presentation

**Overview of the Education System**

**Demographic Dividend**

**Challenges in higher education & way forward**

**Progress made since last Conference of Governors**

# Overview of School Education in India

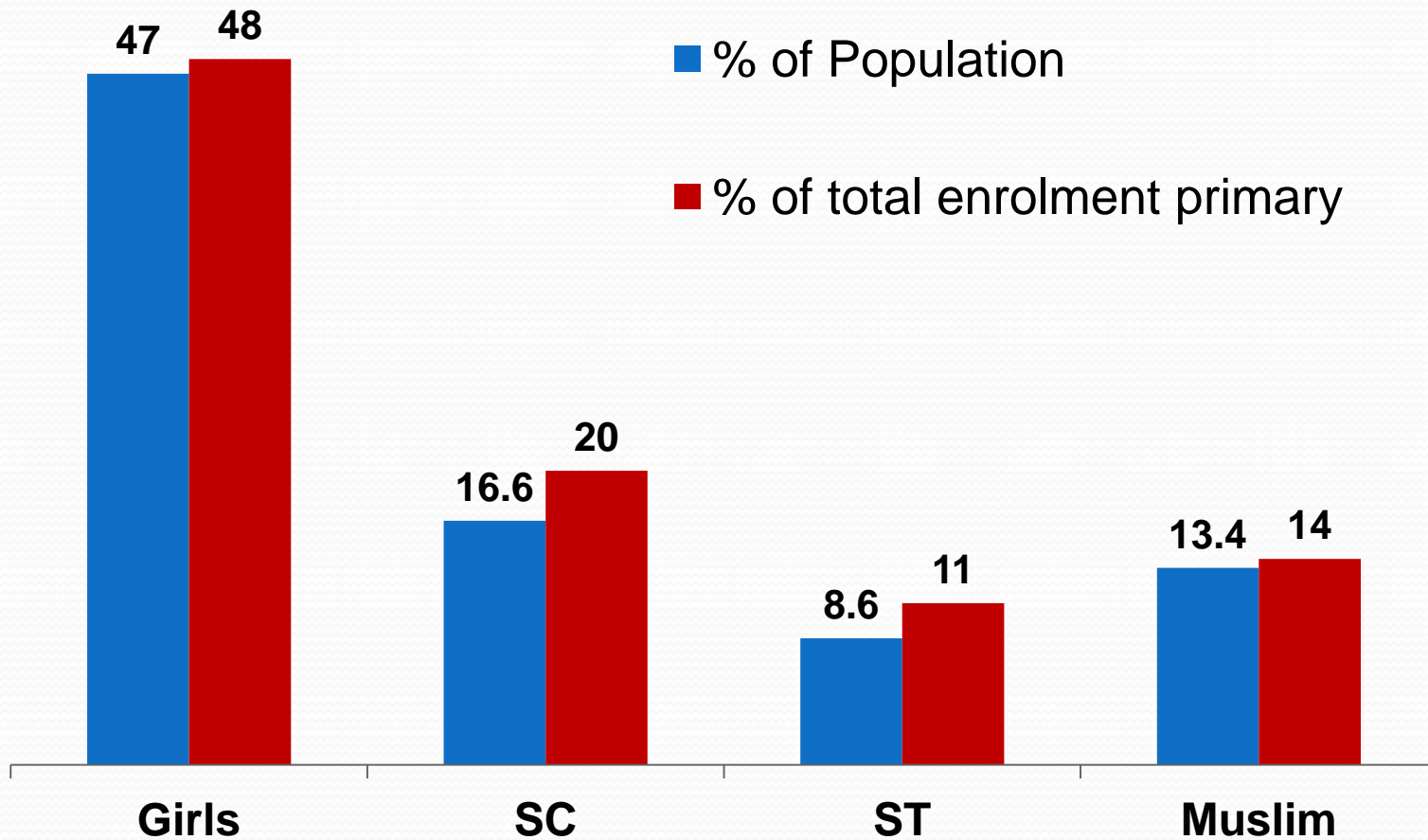


- Right to Free and Compulsory Education Act since 2010
- Total No. of Schools-1.5 million
- No. of Students in Schools-254 million
- Mid-Day Meal Programme- 110 million children provided cooked Mid-Day meal
- Net Enrolment Ratio-91% at primary level
- 2.18 million Children with special needs enrolled in class 1-8



**Focus is on improving quality at all levels**

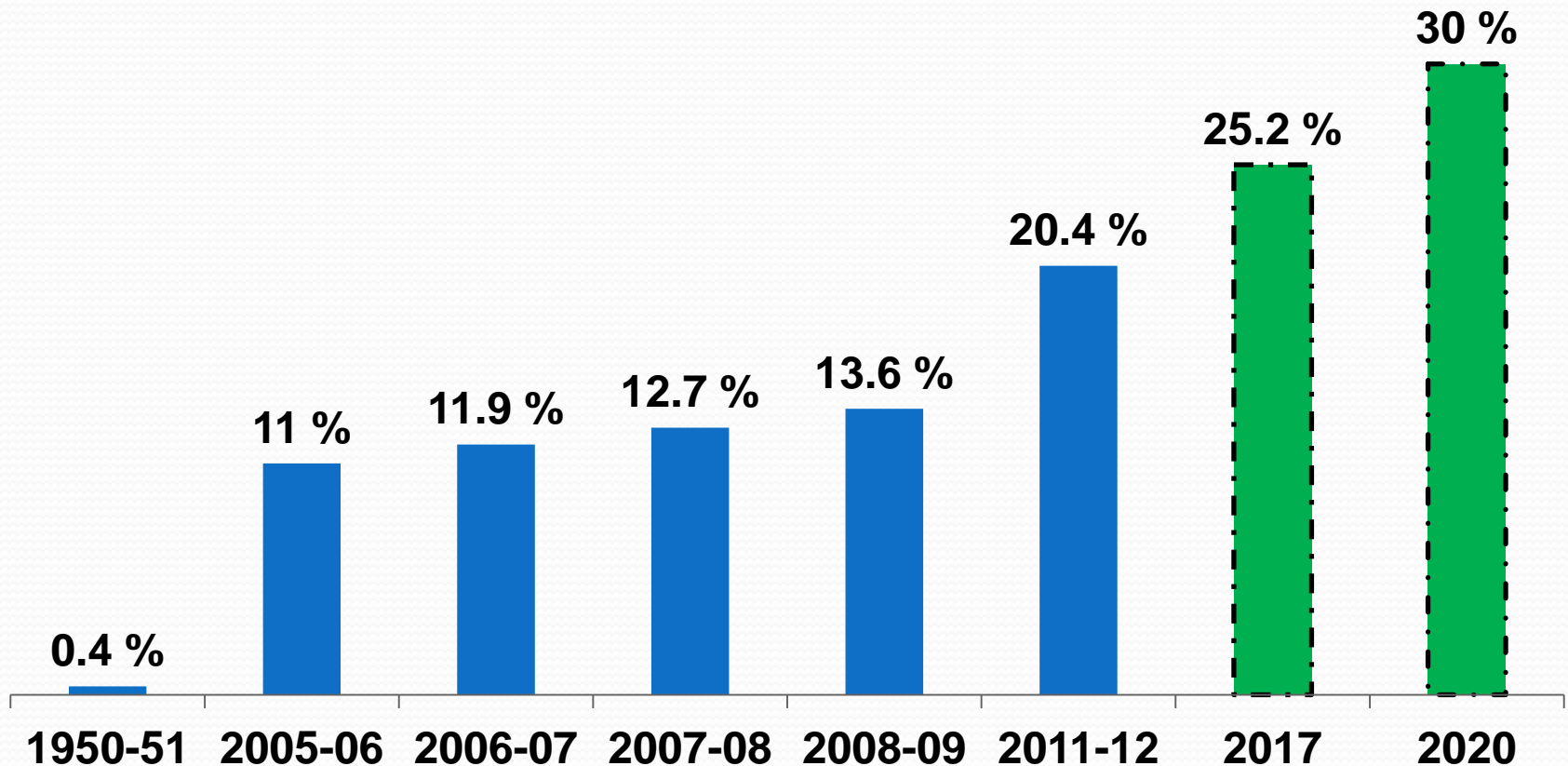
# Enrolment in Primary Education



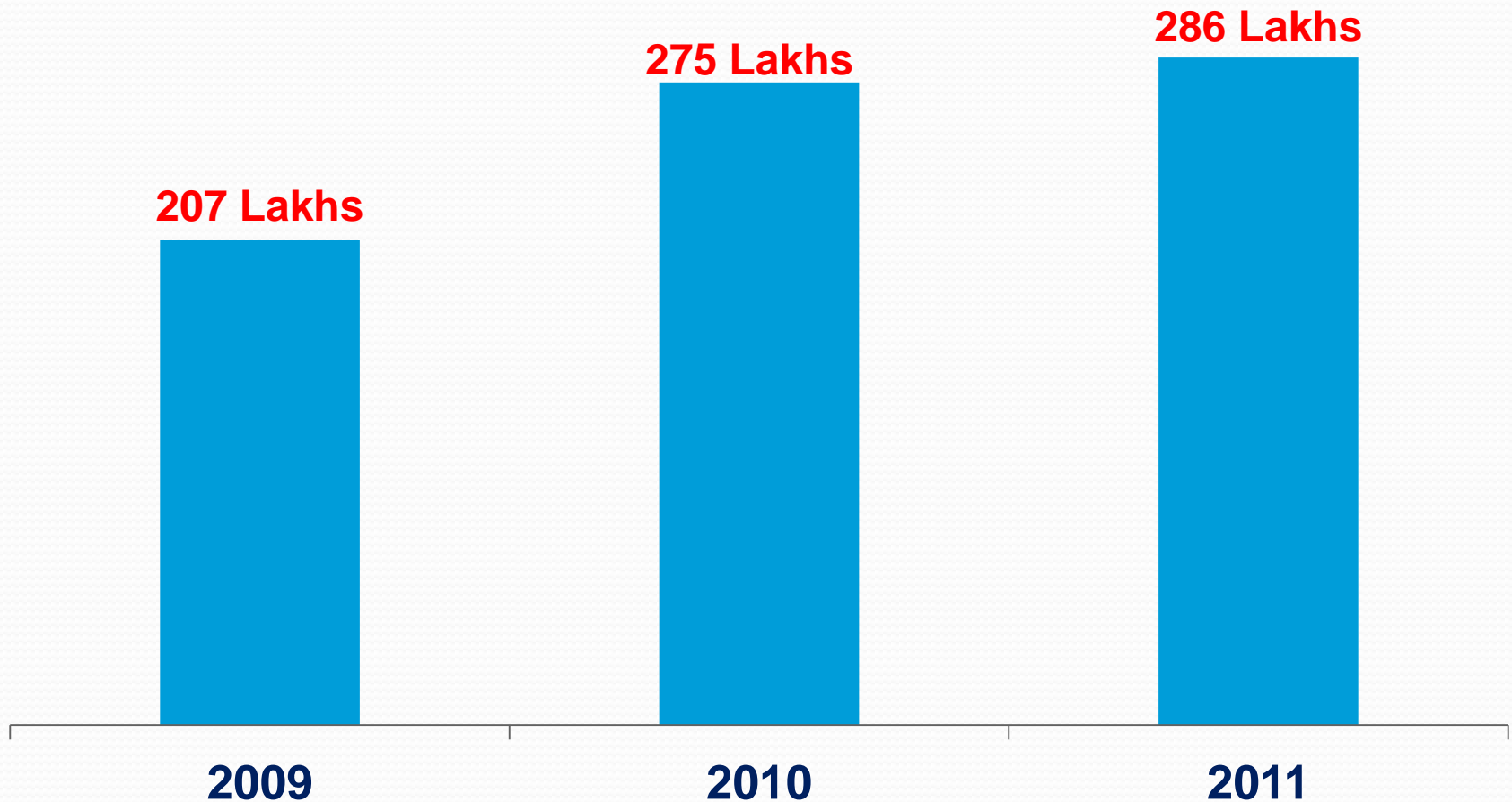
# Overview of Higher Education in India

- **Number of Universities– 723**  
(including Institutions of National Importance)
- **Number of Colleges –37,204**
- **Other Institutions (Diploma Level)-11,356**
- **Presence of a large private sector; (57.5% enrolment in private aided & unaided institutions)**
- **Total students enrolment- 28.6 Million**
- **GER : 20.4 % presently; Target 30% by 2020**

# Trend of Gross Enrolment Ratio

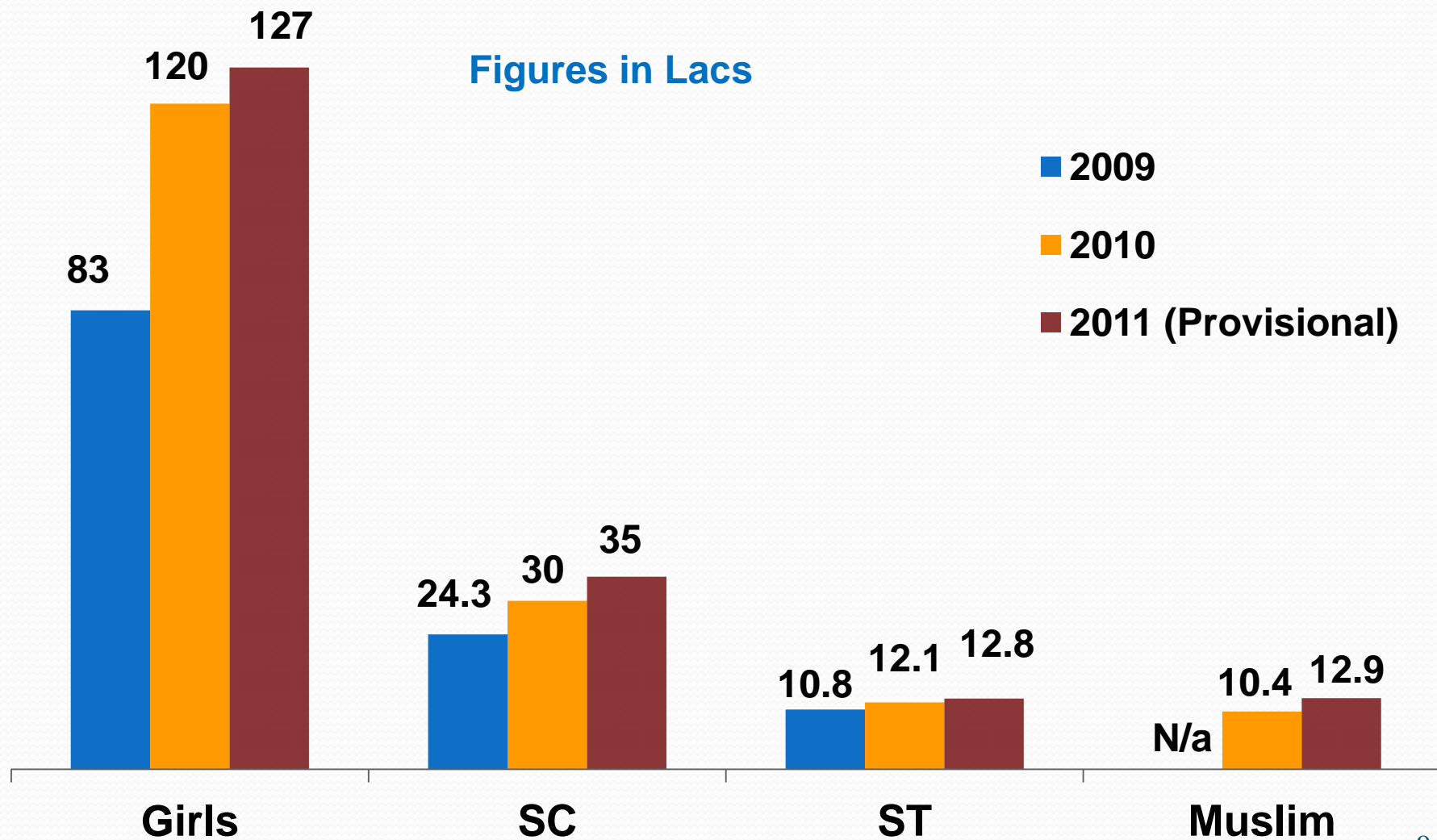


# Increase in total Enrolment in Higher Education





# Increase in Enrolment in Higher Education



# Financing Higher Education

- Public Expenditure on Education as percentage of GDP – 3.80 %
- Public Expenditure on Higher Education as percentage of GDP – 1.22%
- The State share of expenditure on education as percentage of GDP is declining and there is a need to step up their investment in education

# Focus 4 E's

## Expansion

- Enhancing the GER
- Creation of new infrastructure
- Strengthening state institutions
- Enhancing teaching capacities

## Equity

- Gender Parity
- Reaching the Unreached
- Bridging the Urban-Rural Divide
- Addressing education needs of all social groups



## Excellence

- Mandatory Accreditation
- Periodic Assessment
- Faculty Resources
- Focus on Research & Innovation
- Norm based funding

## Employability

- Skill development for 500 million persons by 2022
- NSQF for mobility between vocational & mainstream education
- Engagement of Industry
- PPP models

# Demographic dividend in an ageing world

- 12% of population in 18-24 age group as per 2011 data
- **12.8 million young persons are joining the working class every year**
- Labour force in India to increase by 32 per cent over the next 20 years, while it will decline by 4.0 per cent in industrialized countries



# Demographic Dividend

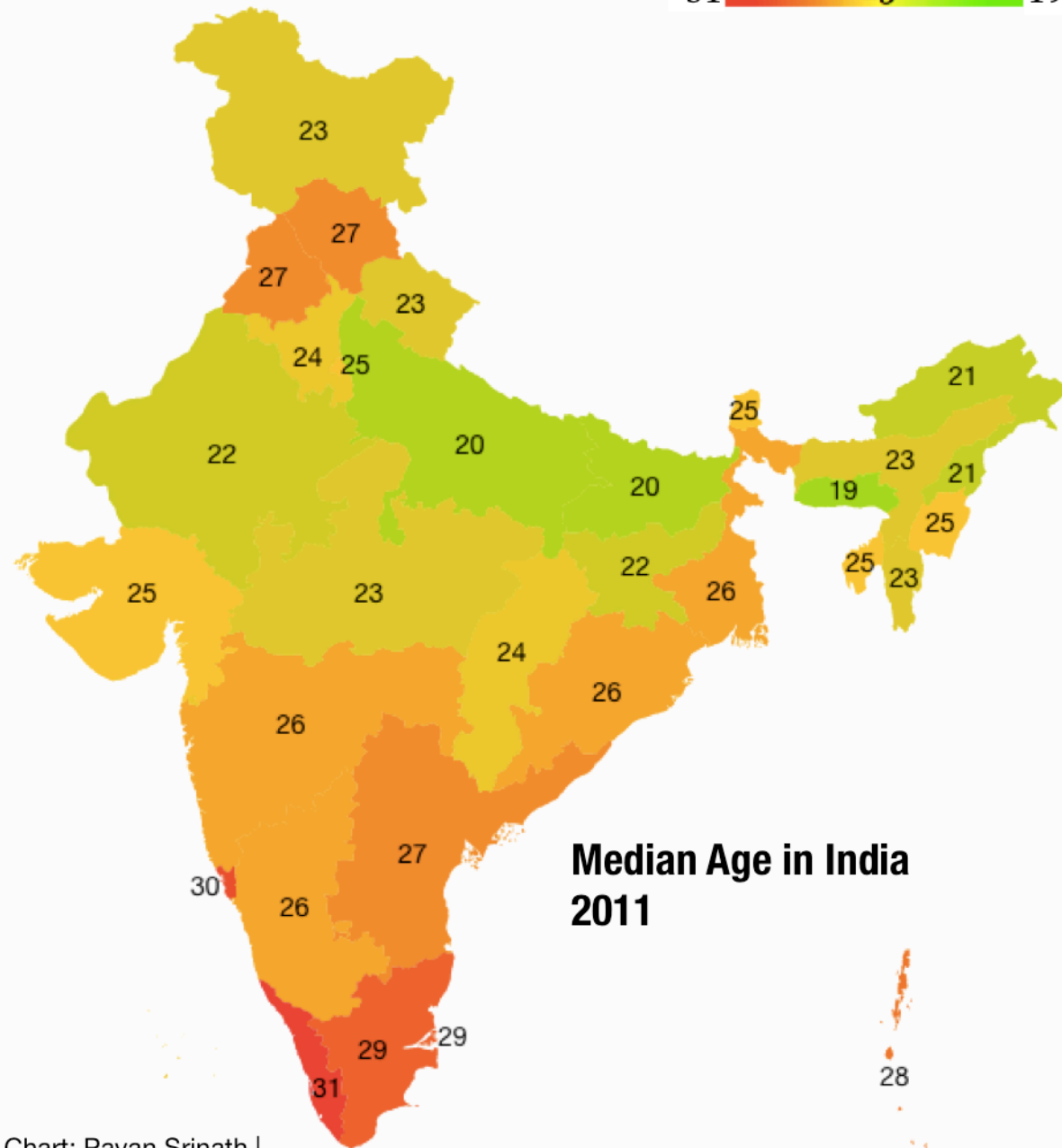
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The median age of India in 2011 was a young 24 years, with the median age ranging from 19 years in Meghalaya, 20 in Bihar and UP to 31 years in Kerala.

However, there is a mismatch between young population and education infrastructure

The density of higher education institution is in the western & southern states, whereas the demographic advantage is in the North, East and North East states

Source : *The Transition State*

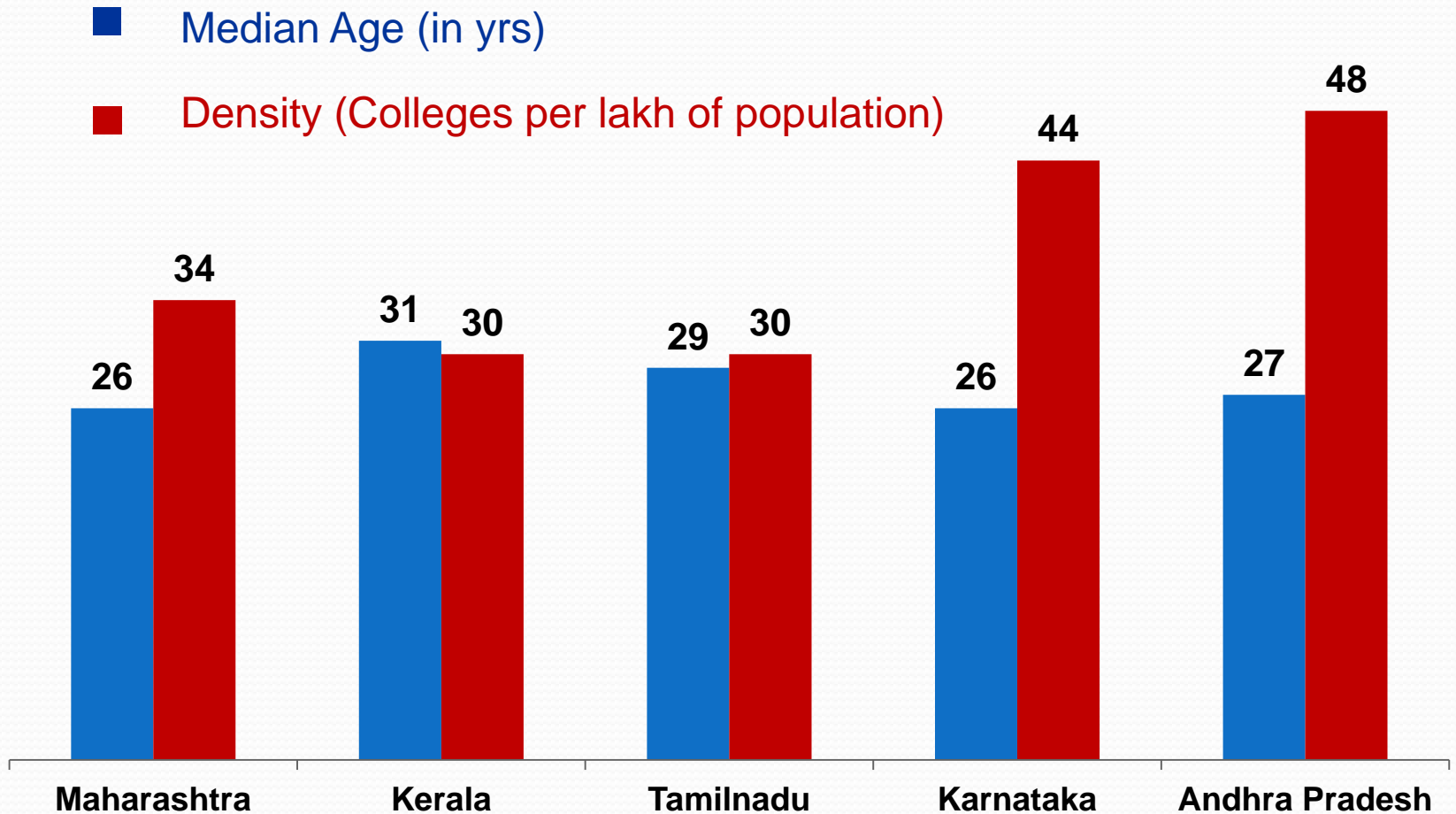


**Median Age in India 2011**

Chart: Pavan Srinath |  
The Transition State

Data: Census 2011 Age tables

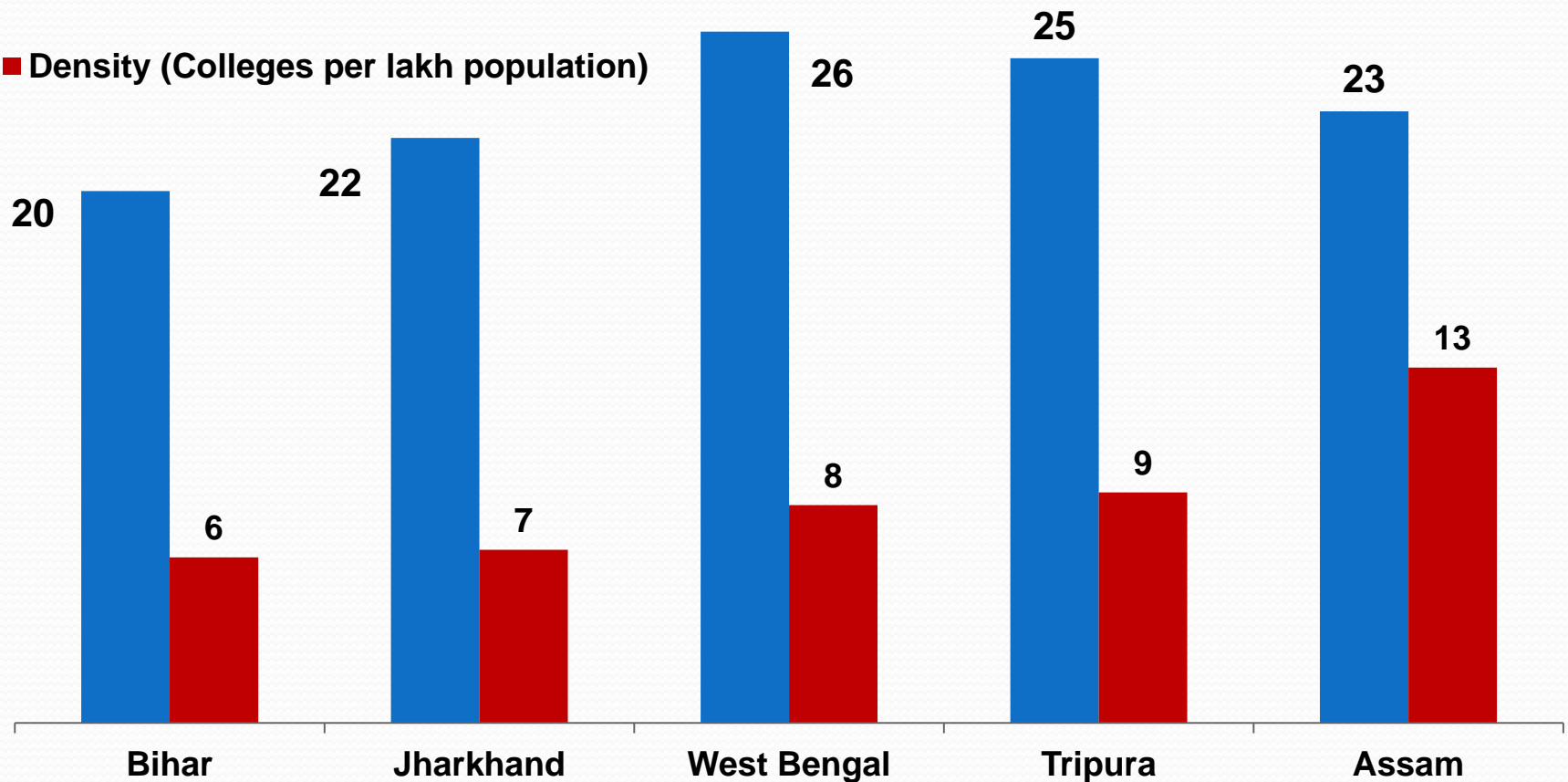
# Density of colleges in West and South India



# Density of colleges in Eastern/North East India

■ Median Age(in yrs)

■ Density (Colleges per lakh population)



Challenges in Higher Education	Way Forward
Enhance access	Consolidation & expansion of Institutions
Address Faculty Shortages	National Mission on Teachers and Teaching & RUSA
Quality and Assessment	Mandatory Accreditation, RUSA and Global Linkages
Adoption of emerging technologies	Technology Enabled Learning
Investment in R&D	Focus on research and innovations, research parks, design innovation, centres of excellence, global linkages
Strengthening industry linkages	Proactive Academia Industry interactions
Funding Issues & Resources	Increased norm based funding through RUSA



# Progress since last Conference of Governors

## Continuing activities

- Restructuring of Open & Distance Education
- Technology Enabled Learning
- Focus on Research & Innovation
- Skill Building
- Language Development
- Equity & Inclusion

## New Initiatives

- Launch of RUSA
- Mandatory Accreditation regulations issued by UGC
- Faculty Development
- Internationalization

# Restructuring Open & Distance Education (ODE)

- ODE is a powerful tool for :
  - enhancing access
  - developing skills
  - capacity building, training
  - promoting employability
  - life-long education & continuing education.
- Overhauling ODE system based on the Madhav Menon Committee Report.
- IGNOU +13 State Open Universities

# Technology Enabled Education

- National Knowledge Network
- National Mission of Education through ICT
- 402 Universities , 26,000 Colleges & Research Labs connected
- 50 DTH Channels; R&D for low cost Access Device
- National Optical Fibre Network (NOFN) connecting all villages by 2017
- 250 thousand schools to be have Broadband connectivity in 3 years
- Adoption of emerging technologies - IIT Bombay & EdX collaboration

# Research and Innovation

- Innovation platforms and Innovation Centres in Universities/Institutions
- Innovation and Incubation Parks
- Industry Academia Linkages
- Composite grants for research projects
- Special focus on Social Science Research
- Research Parks in frontier areas
- Design Innovation
- Large number of international collaborations at institution level



IISER PUNE

PM has set target of 500 Million youth by 2022

## Cabinet Committee on Skill Development

### Agencies & Methodology

- NSDA has been set up which is evolving National Skills Qualification Framework of Global standards
- Industry and Private Sector would eventually conform to these standards

#### School and Unorganized sector

- Vocational Education Programmes in Secondary & Senior Secondary schools
- Skill Development Programmes in Adult Literacy programmes for 15 + age

#### Higher Education sector

- Setting up of Community Colleges & Community Polytechnics
- Strengthening existing Polytechnics
- B.Voc & Career oriented courses in higher education.

# Language Development

- National Council for Promotion of Urdu Language (NCPUL) budget increased from Rs. 33.5 cr (2011-12) to Rs 60 cr (2013-14)
- Sanskrit Commission: Second Sanskrit Commission constituted in Dec.2013
- Malayalam accorded status of classical language in addition to existing classical languages; Sanskrit, Tamil, Telugu and Kannada

# Equity and Inclusion

- National Monitoring Committees on Minorities' Education and Education of SCs, STs and PwDs
- Interest Subsidy Scheme + student financial assistance through Direct Transfer of Benefits
- Over 1 lakh scholarship released through DBT in 2013. An amount of Rs. 2232 Crores released under interest subsidy in 2009-12.



# NEW INITIATIVES



# Rashtriya Uchchatar Shiksha Abhiyan (RUSA)

- 96% enrollment in States and Private Institutions
- New Mission Mode Project to incentivize State Institutions based on Academic, Administrative and Governance reforms
- Total estimated cost over XII & XIII Plan period Rs.98,134 cr.
- Approved outlay for XII Plan –Rs.22,855 Cr.
- Focus on access, equity, quality and innovation through
  - Creation, expansion and consolidation of Institutions
  - Focus on Quality
  - Focus on Research and Innovation
  - Norm based funding

# RUSA: Mission Mode Architecture

## National Level

- RUSA Mission Authority
- Project Approval Board
- Technical Support Group
- Project Directorate (in MHRD)

## State Level

- State Higher Education Council
- Project Directorate (in State Government)
- Technical Support Group

## Institutional Level

- Board of Governors/ BoM/ EC
- Project Monitoring Unit

# Components for which the States will receive funding under RUSA

- New Universities & Conversion of colleges to Cluster Universities
- New General & Professional Colleges
- Research, innovation and quality improvement
- Equity initiatives
- Faculty Recruitment, Faculty improvements and Leadership Development of Educational Administrators
- Research Universities

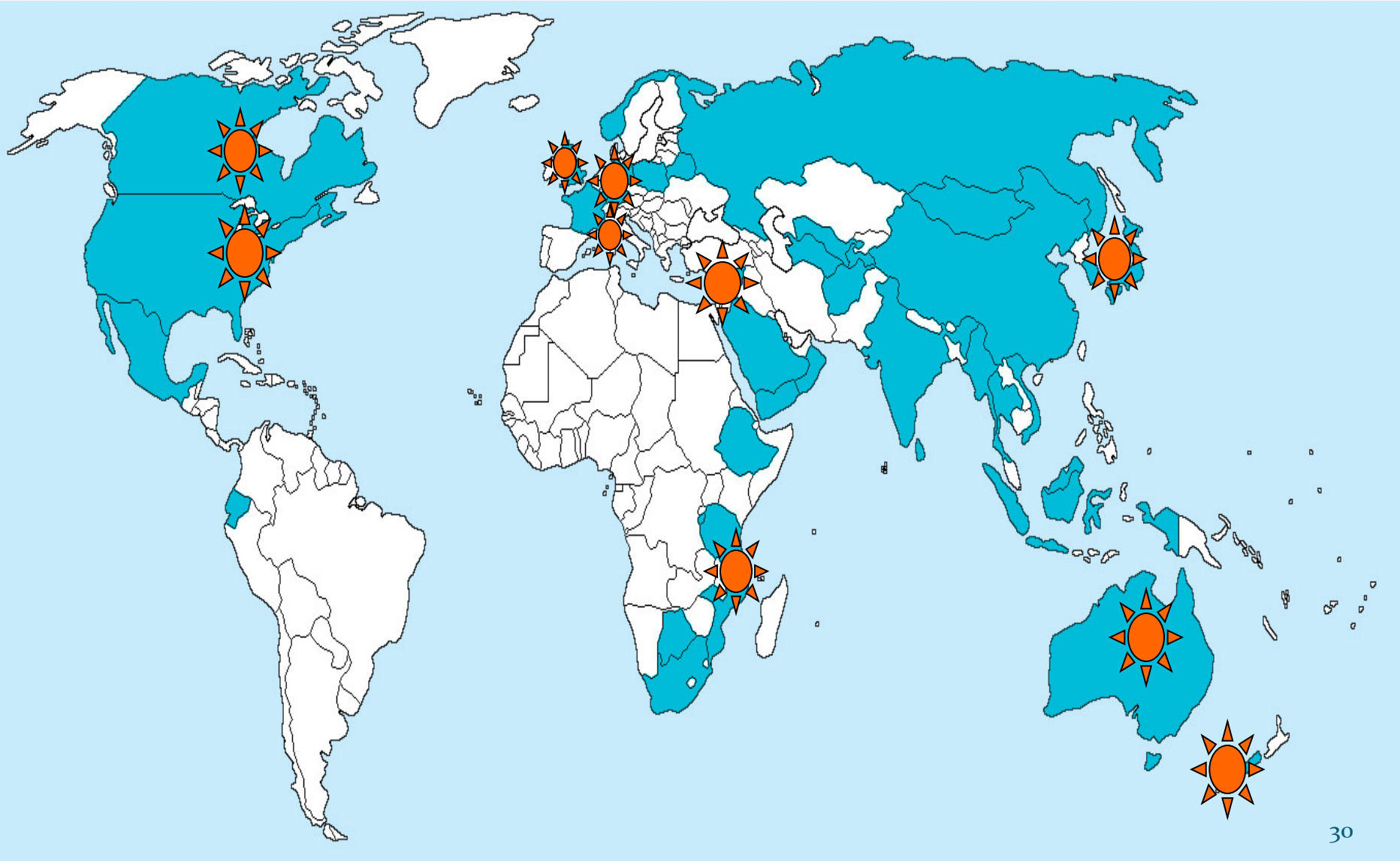
# Mandatory Accreditation

- UGC Regulations for Mandatory Accreditation of universities and colleges.
- National Accreditation Regulatory Authority (NARA) Bill pending in the Lok Sabha.
- Meanwhile, UGC is creating body similar to NARA within it.

# Faculty Development

- National Mission on Teachers & Teaching (NMTT) is being launched
- XII Plan outlay of NMTT, including Institutes for Academic Leadership & Centre for Higher Education Research: Rs.1700 crore
- RUSA also has components on faculty improvement and recruitment (5000 posts in XII Plan & 20,000 posts in XII and XIII Plans)
- Centrally sponsored scheme of Teacher Education is under implementation (Rs. 6308.45 cr.)

# Internationalization




Country	Major Collaborations
U.K.	UKIERI, Joint Research, Leadership development, Skills, Mobility
U.S.A.	Singh-Obama Knowledge Initiative, Community Colleges, Faculty Development, Institutional collaborations
Germany	Joint Research, Mobility, Collaborations with Max Planck Institute, Fraunhofer Institute, Siemens etc.
Australia	Joint Research, Skills, Community Colleges, Sector Skill Councils, Mobility
New Zealand	Skills, Indigenous Studies, Joint research
Israel	Joint Research and mobility in Basic Sciences
France	Indian Institute of Technology- Consortium of Industries, Mobility
Japan	Information Technology, Indian Institute of Technology
African Continent	Educational Planning and Administration Institute at Burundi, IIT DRA in Mauritius, IIIT in Ghana, Virtual University

# We seek the indulgence of Hon'ble Governors

- Take advantage of RUSA Scheme - State Higher Education Councils & Higher Education Plans
- Rationalizing teachers deployment towards greater ownership & creating an enabling research environment
- Improve quality of private universities set up by State Acts
- Encourage Technology Enabled Learning in State institutions





“... The quality of education has to be the focus of our attention now. We can be world leaders in education, if only we discover the will and leadership to take us to that pinnacle. Education is no longer just the privilege of the elite, but a universal right. It is the seed of a nation’s destiny. We must usher in an education revolution that becomes a launching pad for the national resurgence”.

Hon’ble President of India, Shri Pranab Mukherjee  
January 25, 2014

# From an ancient civilization to a modern knowledge society



*Nalanda University,  
5<sup>th</sup>-11<sup>th</sup> Century AD*



*IIT Madras  
Research Park*

# THANK YOU