

# 5 Year Development Plan for TERI University

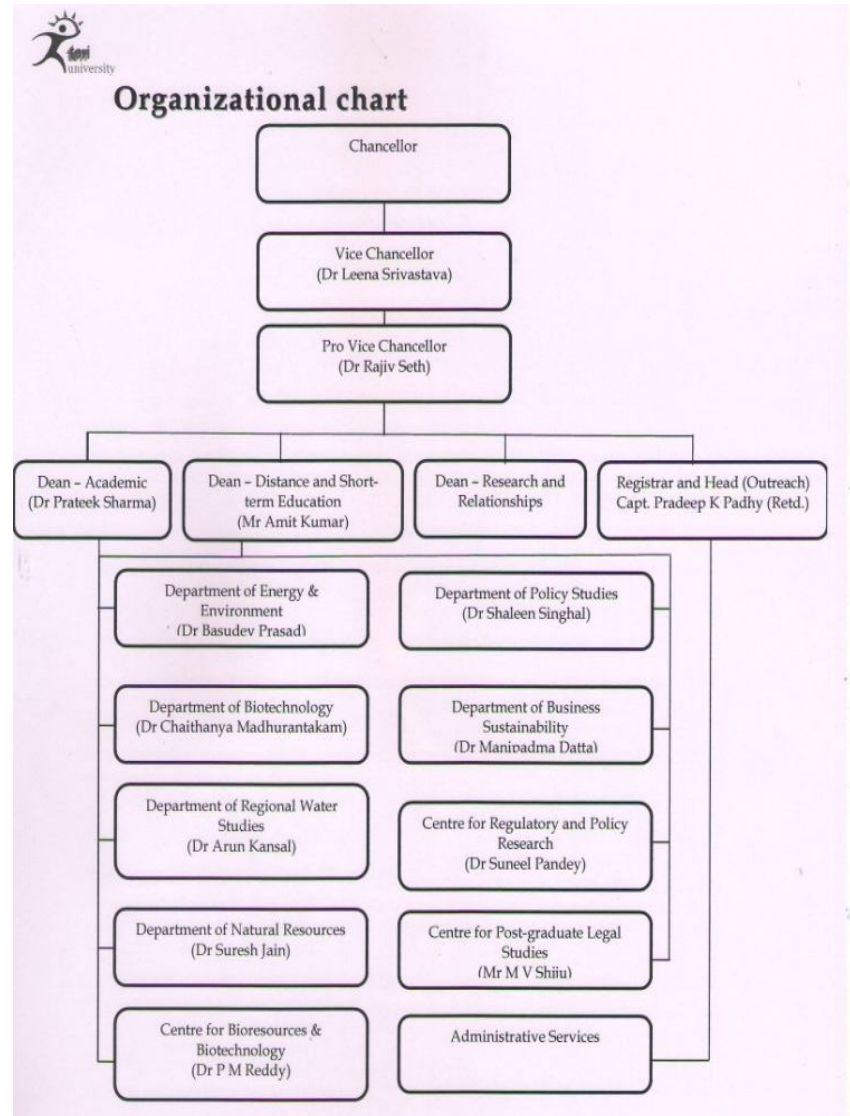
Presentation to the Board of  
Management  
May 30, 2016



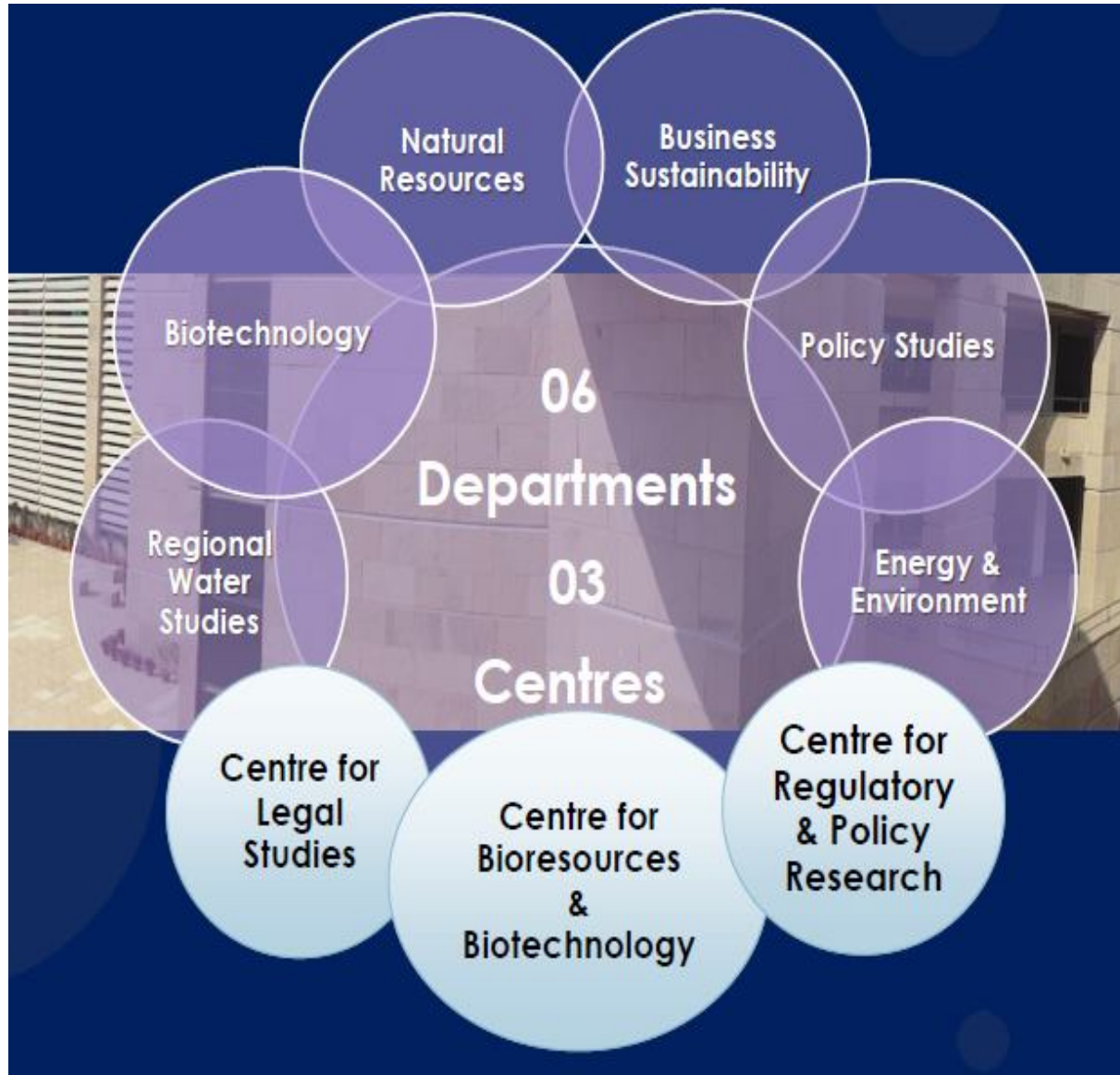
# Where are we today?

- Operating out of 2 acre Vasant Kunj Campus in New Delhi
- Average student body of about 500 Masters students and 150 PhD students on campus; about 100 distance education students
- NAAC rating of 'A' grade; 3.29/4 numerically
- Are now paying for full costs of operation with no support from TERI
- Corpus of Rs 13 Crores
- Interest income of Rs 1.7 Crores
- Tuition Fees + programme revenues + research projects + interest income = or > Full costs
-


















# Organisational chart



# *Our Focus Areas*



# Existing programmes and linkages with the SDGs

																	
Program	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Climate Science and policy																	
Environmental studies and resource management																	
Geo-informatics																	
Economics																	
Plant Biotechnology																	
Water Science & Governance																	
Sustainable Development Practice																	
Public Policy and sustainable development																	
Urban Development and Management																	
Renewable Energy Engineering and Management																	
Business Sustainability																	
Infrastructure																	
Environment and Natural Resources Law																	

Direct Link

Indirect Link

# Conferences/Meetings

Meeting to understand and progress the discourse between nuclear energy experts, government, and the public

REtopia "Can India become a renewable energy superpower"

Round table on the movement to abolish nuclear tests worldwide with representatives of the organisation "BIKE For PEACE" with Embassy of Kazakhstan

Strengthening Water and Sanitation in Urban Settings - Inter-University Competition on Water Resources Management

SASA - South Asian Studies Association Conference

SWASH (Save Water and Save Humanity), 2016 - InSOULs of WE- In search of Urban Leaders of Water and Environment

Sustainable Development Practice event on "Education for Sustainable development: the practice connect"

National Symposium on Geogenic Contamination of Groundwater: Its Impacts and Mitigation Strategies

LEADearthSHIP -- Youth program on leadership and sustainability

One day ACADEMY for Indian Air Force Officers

BIOTIKOS 2016 "National Symposium on Nanobiotechnology"

Seminar on 'Qualitative Research Methods for Inter-disciplinary Research'



# Schools...

BLISS (Building Learning in Sustainability Science) School 2016--'SDG 12: Ensuring Sustainable Consumption and Production Patterns'

Young Researcher's School (YRS) on "Sustainable Energy for Transforming Lives: Availability, Accessibility, Affordability" In collaboration with (the United National University

Sustainable Energy Leadership Programme (SELP) 2016

Summer School on Managing Risks and Challenges in Urban WASH (water, sanitation, hygiene) Service Delivery

BLISS (Building Learning in Sustainability Science) BLISS 2015: Winter School on Sustainability "SDG 12 - Ensuring Sustainable Consumption and Production Patterns"

# Training Programmes/Workshops

Training on Species Distribution Modelling

Training programme on Grid Connected Rooftop Solar PV

Software Training Programme

Central Pollution Control Board (CPCB) Training programme on Vehicular emission and exhaust monitoring (23 - 27 Nov)

3 Day Green Rating for Integrated Habitat Assessment (GRIHA) Training Programme for Evaluators & Certified Professionals

LL.M Consultation Workshop

Workshop on Nuclear Law Training

Workshop on waste management innovations: research, learning and propagation

Quaestus' - : The Entrepreneurship Development Cell, TERI University

Three days training workshop on Geospatial Technologies and Applications using Open Source Software

GIS workshop

Workshop Agenda for the Association of African Students in India (AASI)

2nd Consultation workshop on SCP course curriculum development

Workshop on "Greenbelts for Development"





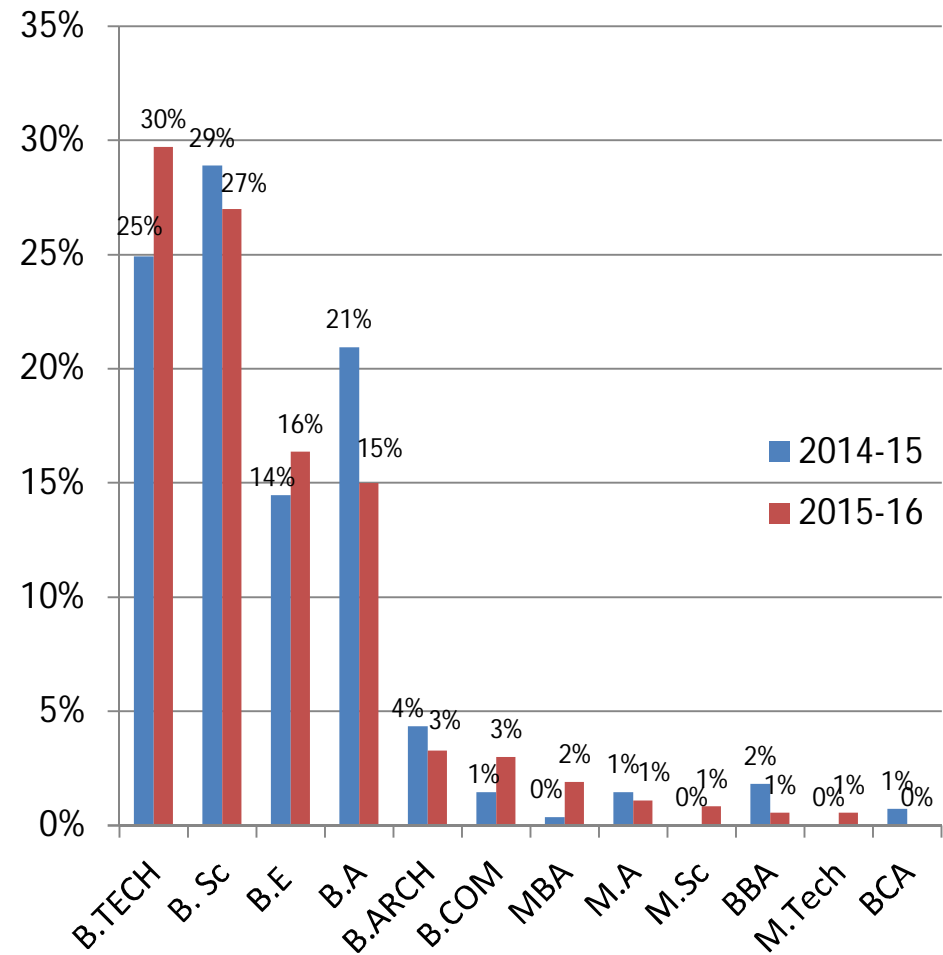
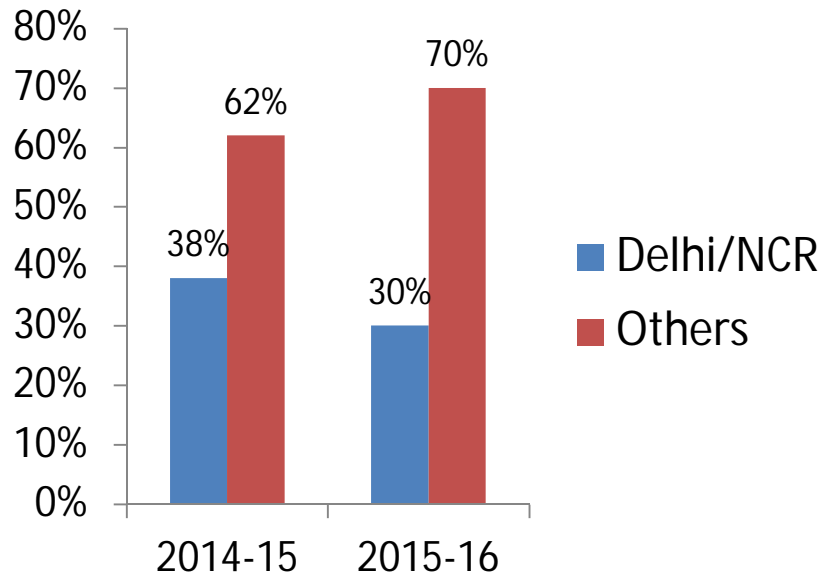
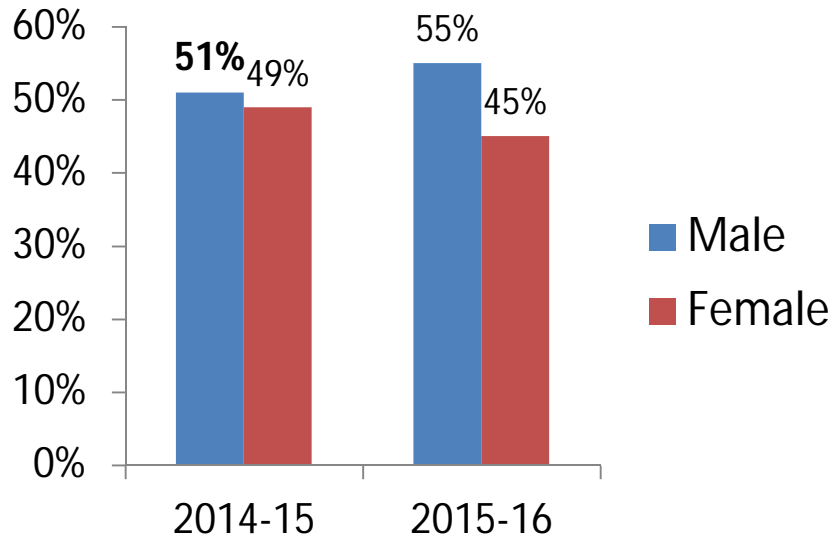
# Research

## On going projects

- Reconstruction of genome-scale metabolic Networks of *Pichia pastoris* CBS 7435 strain using Systems biology
- Establishing Centres of Excellence for Training and Research in Frontier Areas of Science and Technology (FAST)
- Targeting low-arsenic and low-fluoride groundwater to reduce exposure in rural Punjab, India
- Indian-European Multilevel Climate Governance Research Networking (MCGRN)
- Economic Value of Biodiversity Conservation provided by Forest and Agro-forest Ecosystems in Kodagu District
- Sustainable livelihood activities on reclaimed open cast coal mines: a technology enabled integrated approach in Indian Coal sector
- The distributional implications of Solar Water Pumping Program for Ground Water Irrigation in Rajasthan
- Impact Analysis of the Arunachal Pradesh Panchayati Raj Act, 1997 on Traditional Institutions in the State A Case Study of Two Districts of Papum Pare and East Kamang
- Supporting, consolidation, replication and up-scaling of sustainable waste water treatment and reuse technologies for India (SARASWATI)



# Profile of incoming students



# Where do we want to be?

- Context
  - A world facing multiple crises, hitting planetary boundaries;
  - India - a young country experiencing rapid jobless growth and also rapidly deteriorating environment and natural resources
  - Huge potential for India's young to become global citizens in ageing societies
- Mission
  - A truly global research-led University, transcending disciplines and geography, to provide a learning environment that builds excellence, leadership and empowers students and faculty to find innovative, inclusive solutions to the challenges of sustainable development

# What do we believe in...

- Pursuing learning and research of the highest order to generate innovative new knowledge for inclusive, sustainable development
- Encouraging the creative independence of individuals to design and implement path-breaking, systemic solutions
- To dynamically be able to respond to the most critical development challenges in India and the world through academic programme and curriculum design

# Desirable Environment - University

- No Silos - Dissolve Departments and only have Deans (Academic, Research, Distance and short term, Administration) and Programme Coordinators
- Strengthen event management/activity coordination capacity in Administration
- Build and strengthen labs to provide the best research environment
- Strengthen IT hardware and software as well as systems for efficiency

# Desirable Environment/Qualities - Students

- Attract the brightest students with a high commitment to sustainability
- Increase numbers of international students
- Institute Awards for Students
- “Citizens of the world”
- Improve communication skills
- Post Docs

# Desirable Environment/Qualities - Faculty

- Awards
  - Highest impact publications
  - Most effective mentor (cannot have 'teachers')
- Develop critical thinking/creativity in Faculty
- Minimise non-core activities
- Evolve pedagogies to enhance learning

# Growing the Market

- Need a major visibility push
- Need to engage with the corporate sector in a sustained manner
- Need a strong communications/marketing initiative



# Expansion Opportunities

- Geography
  - Hyderabad
  - Gauhati
- Academic
  - Sustainable Agriculture and Food Systems
  - Environmental Health and Safety
  - MA SDP and Livelihoods
  - Sustainable mobility
- Research/Innovation
  - Business Incubation Center for Sustainability Innovations
  - Capacity Building Hub For Sustainable Energy
  - SDSN Regional Hub
  - Sanitation and Hygiene
  - Railways