



# DAYALBAGH EDUCATIONAL INSTITUTE

(Deemed University)

## Entrepreneurship Virtual Incubation Cell



# Organizational Strengths...

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- Dayalbagh Educational Institute (DEI) established *Entrepreneurship Virtual Incubation Cell* (EVIC) in 2014
- EVIC aims to provide an entrepreneurial ecosystem that nurtures and incubates young student entrepreneurs
- EVIC aims to adopt an inter-disciplinary systemic approach, whereby initiatives will be institute-wide, without regard to departmental barriers

# Organizational Strengths (contd.) ...

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- DEI's unique & academic outreach program functions in three distinct modes of education:
  - Conventional Education;
  - Vocational Education; and
  - Distance Education
- Student population comprises approx. 5,200 students with 4,000 students on-campus and remaining students enrolled in the Distance Education UG / PG / Vocational Certificate Programmes
- Proposed to tap into this large student pool to tap and nurture entrepreneurial talent

# Vision of the EVIC....

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- The EVIC @ DEI seeks to engender within students an intense entrepreneurial drive by fostering innovation with a social relevance.
- The EVIC aims to adopt an inter-disciplinary systemic approach, whereby initiatives will be institute-wide, without regard to departmental barriers.
- These initiatives will be incubated in-house with the objective of nurturing social entrepreneurs who will focus on providing low cost solutions in the following primary domains: ***Education (Culture, Values and Quality), Energy, Water, Health, & Waste Management.***

# Past Activities...

Year	Courses	Student Competitions Organized	Entrepreneur Lectures / Other Activities
2012	MDP - Leadership Skills for Professionals		Risk Mitigation Strategies for MSMEs: Lectures delivered at i) MIT Entrepreneurs Club, ii) University of Missouri, USA.
2013			Journey of an Entrepreneur Dr. Laxmi Narayan Bhat, Reviva Pharmaceuticals, USA
2014		Udbhavânâ 2014 Chetna 2014	Entrepreneurship focused DEI Delegation Visit (5 Members) to University of Waterloo, University of Toronto, UCLA (USA), UCSD (USA), HAN University of Applied Sciences (The Netherlands)
2015		Chetna 2015	
2016			

# EVIC activities till date

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- EVIC website launched (March 2014)
- Equipment procured: 3D Printers (March 2014)
- Launch of Student Entrepreneurship Competitions:
  - ‘Udbhavânâ 2014’
    - All Agra School Level Ideation Competition (April 01 – June 30, 2014)
  - ‘Chetna 2014’ & ‘Chetna 2015’
    - An ideation competition to identify and reward DEI-wide students for their innovative ideas to solve present-day social problems

# Chetna

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- ‘Chetna’ is open to all currently enrolled DEI students within each existing mode of education (V/e – DEI – de):
  - a. Vocational Education;*
  - b. Conventional Education; and*
  - c. Distance Education*

# Chetna: Goals & Objectives

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- Student participants would have opportunity to:
  - Learn how to present themselves and their ideas in a concise and effective manner;
  - Capture and retain the attention of potential sponsors, investors, or other possible supporters; and
  - Nurture their ideas into successful full-scale marketable products by utilizing the state-of-the-art incubation facilities available within the DEI EVIC, together with the support from potential sponsors (AADEIs, etc.), investors, and industry experts.



# Chetna: Ideation Themes

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- DEI students to propose original solutions to social problems in following primary domains:
  - Education (Culture, Values and Quality)
  - Energy
  - Health
  - Water
  - Waste Management

# Ideation Themes: indicative directions...

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- ***Education (Culture, Values, and Quality):***
  - Conservation of cultural heritage
  - Learning & practicing of values
  - Developing sensibilities for a classless & casteless society
  - Development of low cost education aids
    - at your door
    - for better employability
    - for better cooperation
    - for nurturing innovation

# Ideation Themes: indicative directions...

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- ***Energy:***

- Development of :

- Energy audit kits for household use
- Smart micro grids
- Green buildings
- Solar-agri farms
- Zero energy buildings

# Ideation Themes: indicative directions...

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- ***Health:***

- Development of low cost, ultra fast urine, stool and blood test kits
- Development of non-invasive blood sugar measuring devices / production of low cost glucometers
- Development of low cost devices to detect iron and calcium deficiency in women
- Mass production of herbal drinks (such as Amla Squash, Panna and Aloe Vera Juice) to replace soft drinks and colas
- Development of recycling systems for hospital waste as an alternate source of energy
- Development of technology for production of low cost herbal drugs on mass scale

# Ideation Themes: indicative directions...

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- ***Water:***

- Development of low cost micro-irrigation systems
- Low cost water purification systems
- Low cost recharging of ground water
- Low cost solutions for recycling and reuse of waste water
- Low cost rainwater storage reservoirs
- Detection and removal of harmful microbes, chemicals and heavy metals in water
- Low speed wind mills to lift water
- Utilization of evapo-transpiration for water use

# Ideation Themes: indicative directions...

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- ***Waste Management:***
  - Waste disposal for energy production and use
  - Recycling of expired medicines
  - Local waste segregation and management
  - Simple tools to solve the issue of manual scavenging
  - Local or immediate energy generation from solid degradable waste

# Entrepreneurship Courses

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- Offered on MIT OCW:
  - Inventions and Patents
  - Economics and E-commerce
  - Entrepreneurial Finance
  - Innovative Businesses and Breakthrough Technologies - The Legal Issues
  - Law for the Entrepreneur and Manager
  - Managerial Psychology
  - Designing and Leading the Entrepreneurial Organization

# Entrepreneurship Courses (contd. ...)

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- *Massive Open Online Courses (MOOC)\**:
  - Entrepreneurship 101: Who is your customer? (offered by EdX©)
  - How to Build a Startup (offered buy Udacity©)
- **Modular Courses**:
  - Entrepreneurship and Healthcare in Emerging Economies
  - Innovating in Health Care
  - Solar Energy
  - Introduction to Drinking Water Treatment
  - Introduction to the Treatment of Urban Sewage

\*A *Massive Open Online Course (MOOC)* is an online course aimed at unlimited participation and open access via the web. In addition to traditional course materials such as videos, readings, and problem sets, MOOCs provide interactive user forums that help build a community for students, professors, and teaching assistants (TAs). MOOCs are a recent development in distance education which began to emerge in 2012.





**Thank You**