

*Can you see the potential  
out there?*



## *Technology Incubation*



*Director Technology Incubation Center  
NET, Peshawar*

# Outline

- Background
- Definition
- Technology Incubation
- Role of University
- Incubation Models in other countries
- TIC at KP UET



# Elements of the “new” economy

- A strong intellectual infrastructure (universities and laboratories to generate innovations)
- Physical infrastructure (hi-speed Internet, telecommunications, etc.)
- Access to capital
- A technically skilled workforce
- **Entrepreneurs and entrepreneur support mechanisms (including an entrepreneurial culture)**
- **Efficient technology transfer and commercialization mechanisms**



# Functions of a University

**Creation of knowledge  
(Research)**



**Dissemination of knowledge  
(Teaching & Publications)**



**Societal Contribution  
(Developing a Knowledge Economy)**



# Technology Incubation: Definition

*A comprehensive program of **services** targeted to accelerate the growth and success of start-up and emerging firms*



# Why this is important?

- Entrepreneurial regions have better economies:
  - 125% higher employment growth
  - 58% higher wage growth
  - 109% higher productivity
- These benefits are associated with:
  - 54% more R&D
  - 67% more patents per employee
  - 63% more hi-tech establishments
  - 42% more college-educated population



# Technology Incubation

- Provides entrepreneurs and start up companies with the expertise, tools, networks and environment they need to make their ventures successful.
- Incubator graduates:
  1. create jobs and wealth
  2. revitalize communities
  3. commercialize new technologies
  4. strengthen local and national economies



# Technology Incubation Services

Mentoring

Funding

Training

Office Space

IT Infrastructure

Prototyping

Product Development

Meeting Facilities

Financial Consultants

Student Projects

Intellectual Property Rights

Risk Management

Legal Consultants

Business Brokering

Marketing



# Incubation Models in other countries: USA

- There are over 1,100 business incubators operating in North America, up from 12 in 1980
- Since 1998, the number of incubators in North America has nearly doubled
- In 2005 alone North American incubators:
  - Assisted more than 27,000 start-up companies
  - Provided employment for more than 100,000 workers
  - Generated annual revenue of \$17 billion
  - Many thousands of successful companies had graduated from these programs

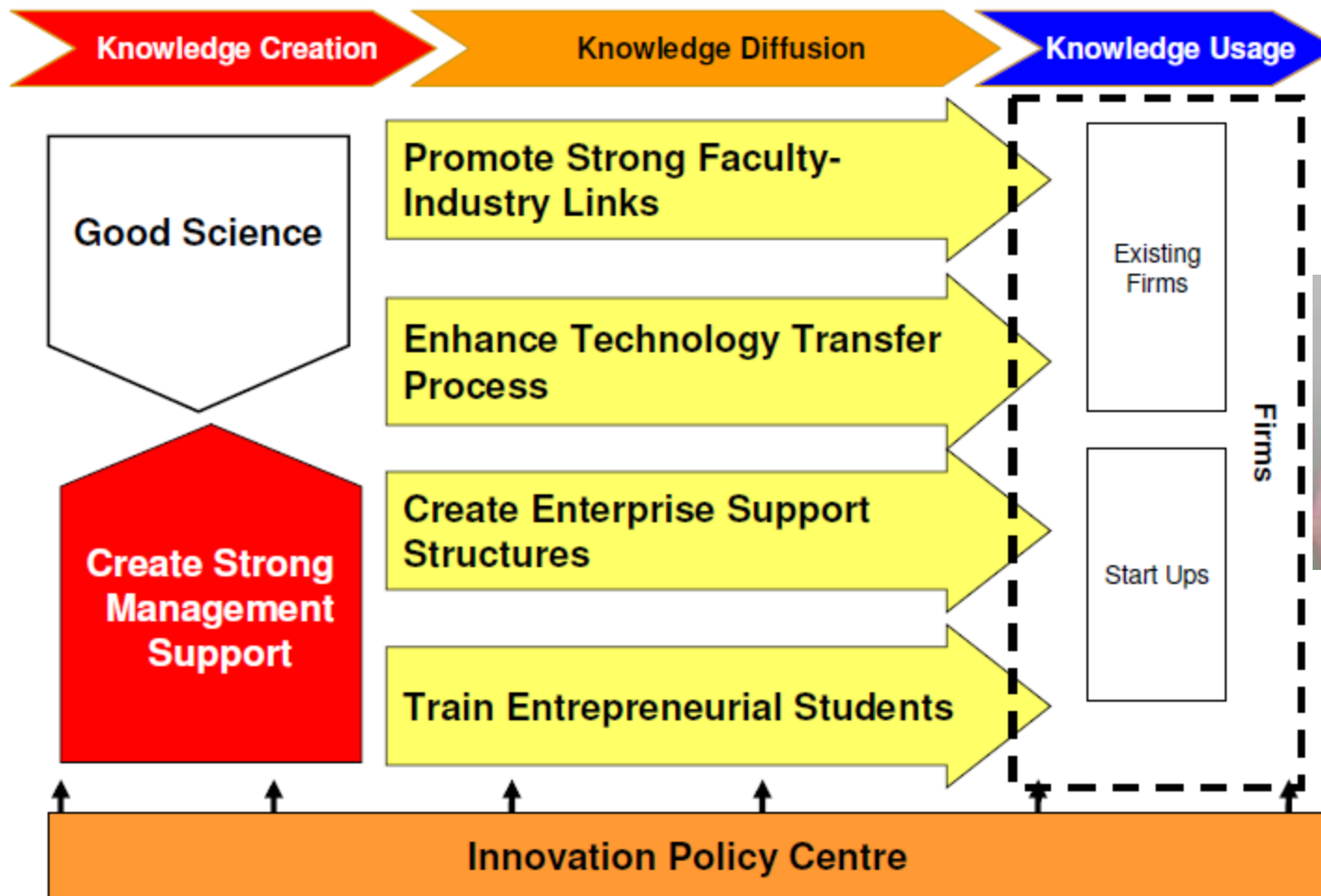


# Incubation Models in other countries: Singapore

## National Framework for Innovation and Enterprise

### Overview of NFIE

National  
Research  
Foundation



# Incubation Models in other countries: India



S. No.	Incubators	
1	<b>Centre for Innovation, Incubation &amp; Entrepreneurship (CIIE) - IIM Ahmedabad</b>	2001
2	<b>Society for Innovation and Entrepreneurship (SINE)- IIT Bombay</b>	2004
3	<b>Cell for Tech Innovation, Development &amp; entrepreneurship support- IIT Chennai</b>	2000
4	<b>Society for Innovation and Development (SID) - IISc, Bangalore</b>	2006
5	<b>Technology Incubation and Entrepreneurial Training Society (TIETS) – IIT Kharagpur</b>	2005

# TIC NUST

## WHAT TIC OFFERS?

### **Enterprise Development:**

Business Advisory Services, Trainings, Technical Consultancy Services, Networking, Identification/Access to State-of-the-Art Labs, Marketing Support

### **Investment Management:**

Assist in Identifying Funding Sources for TIC's Start-up Companies, Advisory Services for Financial Planning of the Business

### **Intellectual Property Rights Facilitation:**

Filing of Patents, Copyrights, Trademarks, Design Rights and other Legal Services to Researchers/Innovators

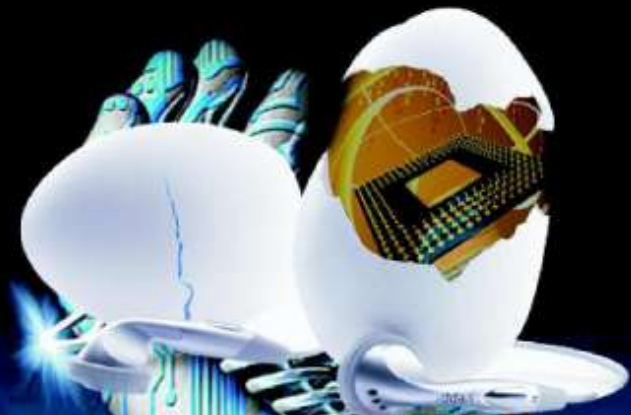
### **Admin/Physical Support:**

Furnished Office Space, Conference Room Facilities, Company Profile on TIC's Website, Real Property Service



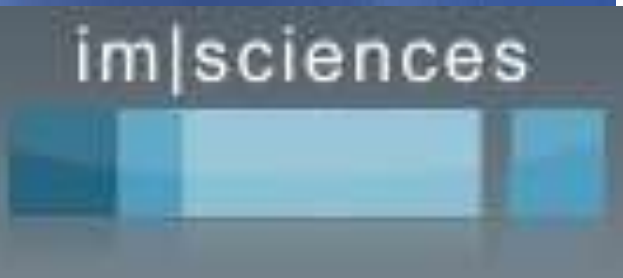
## Technology Incubation Centre

National University of Sciences and Technology



# TIC at UET

- Office space
- Internet facility
- Telephone facility
- Help in setting up business
- Help in business plan
- Help in marketing
- Help in obtaining loan

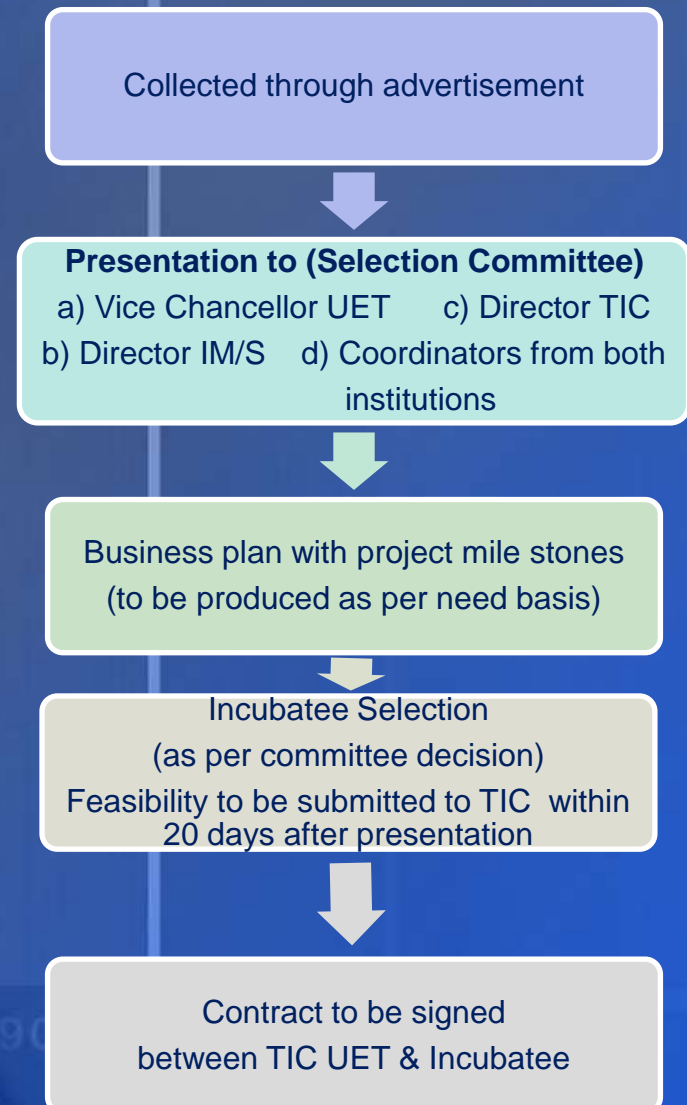


# How to join TIC?

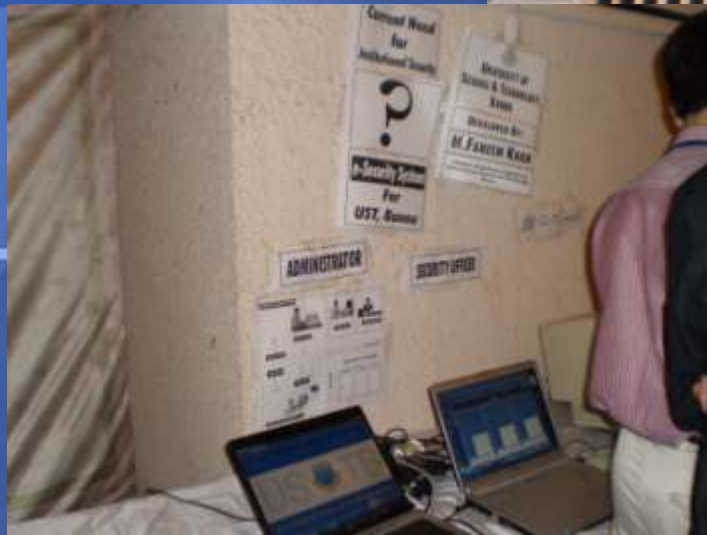
## Incubatee Selection Process



## Incubatee Selection Procedure



# Potential Out There

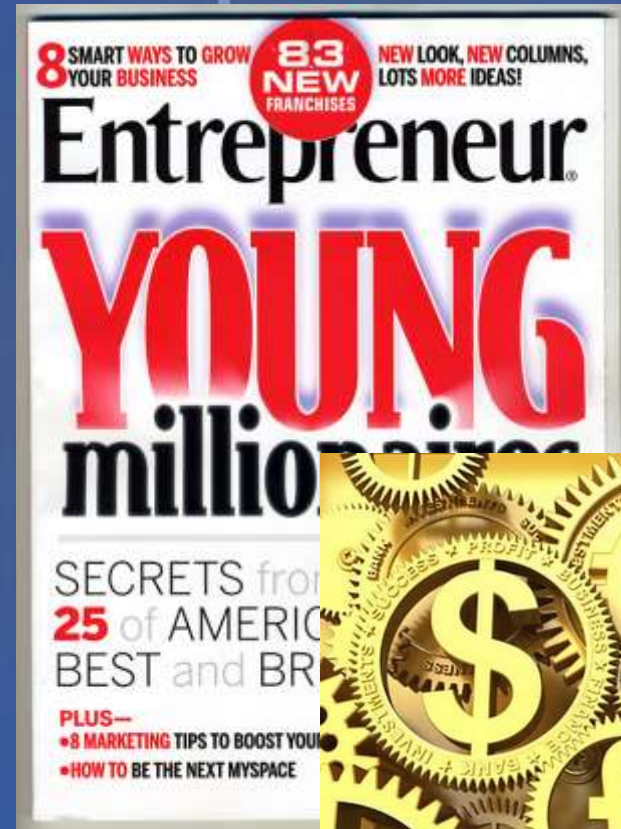


# Choice is yours

Waiting for a job



Happy & Rich



# Action Plan

1. Email TIC: [dirtic@nwfpuet.edu.pk](mailto:dirtic@nwfpuet.edu.pk)
2. Fill out the form
3. Email the form to [dirtic@nwfpuet.edu.pk](mailto:dirtic@nwfpuet.edu.pk)  
or  
Personally bring it to TIC, UET  
Hayatabad Campus
4. Become MD of your own firm



*Can you tap the potential  
out there ?*



*Never let a good opportunity go to waste*

For further enquiries please feel free to contact:  
[dirtic@nwfpuet.edu.pk](mailto:dirtic@nwfpuet.edu.pk)