Can you see the potential out there?

Technology Incubation

Director Technology Incubation Center
UET, 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

Source: National Business Incubators Assoc. USA
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

Source: National Business Incubators Assoc. USA
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
- Office Space
- IT Infrastructure
- Meeting Facilities
- Student Projects
- Risk Management
- Business Brokering
- Funding
- Prototyping
- Intellectual Property Rights
- Product Development
- Financial Consultants
- Legal Consultants
- Training
- 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

Knowledge Creation

- Good Science

Create Strong Management Support

- Promote Strong Faculty-Industry Links
- Enhance Technology Transfer Process
- Create Enterprise Support Structures
- Train Entrepreneurial Students

Knowledge Diffusion

Knowledge Usage

Innovation Policy Centre

Existing Firms

Start Ups

Firms
Incubation Models in other countries: India

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

1. **Application** (Potential Incubatee)
2. **Presentation** (Potential Incubatee)
3. **Business plan with project milestones** (Potential Incubatee/TIC)
4. **Incubatee Selection** (Selection Committee)
5. **Projects Monitoring Agreement & Reporting System** (Incubatee / TIC)

**Incubatee Selection Procedure**

1. **Presentation to (Selection Committee)**
   - a) Vice Chancellor UET
   - b) HEC Representative
   - c) Director T/BIC
   - d) Representative from Industry
   - e) Area Expert (Co-opted member)
2. **Business plan with project milestones** (to be produced as per need basis)
3. **Incubatee Selection** (as per committee decision)
   - Feasibility to be submitted to TIC within 20 days after presentation
4. **Contract to be signed between TIC UET & Incubatee**
Potential Out There
Choice is yours

Waiting for a job

Happy & Rich
Action Plan

1. Email TIC: dirtic@uetspeshawar.edu.pk
2. Fill out the form
3. Email the form to dirtic@uetspeshawar.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@uetpeshawar.edu.pk