

**POTENTIAL IMPACT OF
RESEARCH UNIVERSITY
IN PAKISTAN**

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First and Foremost. It ensures academic excellence and incorporates an attitude of search and discovery

- Graduates are equipped with the start-of-the-art skills and specialties and research attitude.
- The graduates represent an immense and valuable resource
 - For their skills & specialties
 - For their attitude for search and discovery

2. IMPACT ON INDUSTRY

Example: Wireless Technology Systems and Networks

2.1 Service Providers

- Rapidly growing industry. 1.2M new subscribers every month
- Currently using 2G technologies and focussed on voice services.
- Wireless Cellular Mobile Networks are evolving to broadband, capable for multimedia service.

- Research University has large potential for helping in transition to new technology and services by:
 - assessment of emerging technologies and their capabilities.
 - possible new service sets and subscribers willingness to pay.
 - business cases..

2.2 PRODUCT DEVELOPMENT INDUSTRY

- EXISTING BASE VERY LIGHT
 - Wireless industry has transferred from totally vertical industry to a horizontal industry.
 - Wireless systems and networks are standard based.
- Research University has the potential of
 - incubating a selected few start ups with
 - venture capital
 - Provide design services to large system vendors
 - Develop selected sub-systems
 - Solve indigenous technical problems

3. Impact of Government Regulatory Agencies

Example: Wireless technology, systems and networks.

- Regulatory agencies have a large impact.
- As the technology evolves, and enables new services, the regulatory infrastructure need & adapt.
- Research University can provide necessary analysis of knowledge and synthesis of possible solutions
 - assessment of new and emerging technology
 - new services potentials
 - Business cases.

4. Impact on National Defence

Example: Wireless technology, systems and networks.

- Research university has the potential of undertaking specific research & development projects addressing the special communications needs of armed forces.