

Research Ecosystems

Can Research Parks Be the Transformation Engines?

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Bringing unlike minds together

Imperatives for any concept to succeed

- A COMPELLING need
- A solution that can address most of the needs of stakeholders
- A carefully crafted implementation plan

The Need

➤ Industry

- ✓ Decisive shift of focus from market valuation to creating real value
- ✓ The need for innovation has shifted gears
 - From the desirable to the vital
 - From long term to the immediate term
 - From insular company initiatives to those supported by enabling ecosystems

➤ IIT

- ✓ Attracting and retaining good quality faculty
- ✓ Improving quantum and quality of research
- ✓ Strengthening partnership with industry

Research Parks - Addressing the Need

Industry

- ✓ Access to cross- domain expertise of faculty across multiple departments
- ✓ Access to libraries, research archives, papers
- ✓ The lustre of clusters – the community advantage – cross-pollination of ideas
- ✓ Agility and creativity through young talent pool
- ✓ Proximity to young entrepreneurs / incubatees
- ✓ Higher probability of innovation success

Addressing the Need..

IIT

➤ Faculty

- ✓ Higher recognition and visibility through joint R&D and consulting projects
- ✓ 5% of RP members would participate as adjunct faculty

➤ Research

- ✓ Order of magnitude increase in quality and quantity of research (10% of RP members would enroll for part-time masters and PhD programs)
- ✓ Higher level of alignment of teaching content and research with industry requirement

➤ Students

- ✓ Knowledge application and holistic academic growth
- ✓ Stimulate innovative thinking

Implementation Challenges

- ✓ Sustained engagement between entities – the CREDITS system in IITM RP
- ✓ Collocation
- ✓ Neutrality
- ✓ Funding
- ✓ Understanding and respecting work culture differences
- ✓ Incenting faculty for research
- ✓ Incorporating higher levels of project work in curriculum