“Importance of IP Management”

SIDBI Innovation and Incubation Center
Indian Institute of Technology Kanpur

Presented by:

Ravi Pandey
Research Establishment Officer (Innovation & Incubation)
SIIC, IIT Kanpur, Kanpur 208016 India
SIIC: Overview

VISION
Creation of Intellectual Property and setting up an exemplary paradigm for technology incubation to catalyze entrepreneurship for positive socio-economic impact

MISSION
To provide a platform to start ups and prospective entrepreneurs for converting their innovative ideas into commercially viable products

Key words:
- Innovation and Incubation
- Entrepreneurship promotion
- Intellectual property protection

• Operational since 2004: One of the largest innovation eco-systems!
• More than 62 startups incubated: Equity based model
  o 34 startups already graduated
  o 28 are currently under incubation, 04 Under Consideration
  o 3 exits (IITK Equity diluted)
• Seed fund disbursement to more than 20 startups
• IIT Kanpur’s stake in top 5 startups is valued at > Rs 30 crores
• Fund Generation - External Rs. 48 Crores
• Commercialization Income: of the order of Rs. 3.5 Crores
Creative engineers must eventually come out of their `Think Space' to hands-on `Tinker Space'

Transform their ideas into real-life objects and.....eventually to go beyond to

**Products, Services and Patents/IP**

**Commercial Products**

The lab is accessible to

- All institute students
- Incubates
- Start-up entrepreneurs
Achievements Highlights: Tinkering Laboratory
• The 4i Laboratory was incepted in the year 2003 for providing manufacturing support to UG and PG activities across the institute and also to help to incubate new companies at IIT, Kanpur.

• The laboratory houses around 21 machining centers which are mainly classified as CNC centers, non-traditional machining centers, PCB fabrication line and associated equipment, conventional machining centers etc.
Different prospects of IPR

• Patent: 20 years
• Design: 10 years (Aesthetic & Industrial Applicability)
• Trademark: 10 years (Extendable)
• Copyright: 60 years + Authors life (Software & Literary work)
• PPVFRA: Plant varieties (10-20 years)
• Trade-secret: Forever
IIT, Kanpur has filed more than 400 patents till date.

56 technologies commercialized till date and the Revenue Generated is Rs. 3.5 cr.
What to Patent?

Product

Or

Process

✓ Recombinant organism/ protein
✓ Primer/ probe sequence/ Biomarker
✓ Assay/ Kit
✓ Biomedical Device
✓ Nanostructures/ Nanoparticles
✓ New Chemical Entities (NCEs)
✓ Composition/ Formulation
✓ Vaccine
✓ Fermentation process
When to Patent?

- Preliminary workability of idea
- Before publication
- To gain competitive edge on similar technologies
- Before technology licensing

FILE a PATENT APPLICATION......then PUBLISH
Why Emphasize on Entrepreneurship?

- Patents do not = protection = good business
- Should I patent?
- Only 2% of patent holders make money from their inventions - USPTO 2010
- 50 granted patents only 1 makes money
- 98% fail to make money on their invention
Few Examples of IP Converted into Entrepreneurship

Eshan Sadasivan, PhD student

PROSOC

Seed Fund and Grant upto the tune of Rs 40 lakhs from different agencies

Design Patent No-287945
Sandip Patil, PhD student

- Annual turnover of Rs. 1.5 Cr
- Listed top 5 Nanotechnology company in India
- TIME India Award
- Young Entrepreneur Award

Facilities at IITK

Features
- Open to anyone
- Access to IITK Infrastructure
- Mentoring
- Office/Residential Space
- Funding Assistance: SEED Funding
- IP Management, legal, accounting
- Acceleration support system

Support Services
- Dedicated Technology Transfer Office
- Evaluation & Transfer Services
- Resident CA, IP Consultant, Marketing
- MOUs with Consultants
- Industry Interaction Initiatives
- Data Compilation, Display and Showcase
- Industry Databases
Please do visit us

rpandey@iitk.ac.in