Structure of Self Financed Institutions in India

- Management
- Principal
- Deans
- Head of the Departments
- Departmental Faculty and non teaching staff
Why should I STUDY IPR

Difficult SUBJECT to SCORE

IPR Is Not My field

VIT - Policy

To Depute Faculty To IITs Only For Qualification Improvement
Challenge

To Create Enabling Environment

To Infuse IPR in Existing Structured Technical Education System

Formation of Core Group in VIT Pune

Exposure of teaching and non-teaching staff to IPR

Voluntary Participation
Building up IP Capabilities of Core group

- How to Identify Patentable Inventions
- Basics of IPR
- How to design inventions
- How to conduct patent search
- How to approach projects
- How to read patents
- How to prepare write-up for patent draft
- Learn by doing in students projects

Students Encouraged to take problem from Native Environment

Students should know where the shoe pinches
Detailed Prior art search and analysis by core group and student

Based on prior art analysis Core group and student team explore Tailored solution

Technical Problem solving approach

Designing experiments

High Quality Project Report

Patent, design registrations

As a bonus

Top-down Policy
Working Bottoms-up

Policy Synergising Working
Development of Institutional IPR Policy

Lessons Learnt at VIT Pune

- It is possible to Identify PATENTABLE INVENTION from Student Project
- How to review what is known and protected (prior art)
- Coordinated team work of Faculty-students participated in the innovation process
- Management - Strong commitment to support such process and encourage to set up system for commercialization
- Value added inputs to students
- Student and staff Confidence Building
## Patents Filed

<table>
<thead>
<tr>
<th>Title of Invention</th>
<th>Patent application No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Novel Milk Extracting Device</td>
<td>1613/Mum/2006</td>
</tr>
<tr>
<td>Production of Paraboloidal Surfaces</td>
<td>1445/Mum/2005</td>
</tr>
<tr>
<td>Voice-Interacting-fare indication device</td>
<td>616/Mum/2006</td>
</tr>
<tr>
<td>Telemedicine System on Vehicle</td>
<td>615/Mum/2006</td>
</tr>
</tbody>
</table>

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## VIT Pune as Hub Institution creating Spokes

Sharing VIT (Hub Institute) experience with management of other institutions (spokes) on learning from “IPinternalise”

Spoke institute managements nominate their human resource for formation of IP core group

Peer to peer training

VIT Hub core group ⇔ spoke core groups
Hand holding by VIT core group

- Establishing spoke core group activities
- Helping spoke core group to handle their student projects

Drafting and filing patent applications of the spoke institution

Synergised Working as Community of IP Practice
Where Do We Go From Here?

End of 2007
Communities of practice with 30 spokes

End of 2008
Expand to a network of 100 hubs - spokes

Share Experience with other states in India and similar stake holders in other countries

Thank You!
**Sustainable Process**

**Creation of Human Resource**
- Identify Faculty
- Training
- Core Group Formation
- Expertise in core group in patent search, Filing procedures, aspects of IPR
- Student project evaluation on patentability
- Filing patent applications

**Establishment of Systems and Processes**
- Steering Committee formation
- Awareness program for students / faculty
- Formal Patenting process within VIT
- Institutional IPR Policy
- Awareness program for Principals of other technical institutions
- Follow up program for identified faculty from those institutions
- Establishment of Core group in those institutions
- Help filing patent application to those institutions

**Commercialization**

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