

Translating Ideas to Inventions

On 27th of April, 2022 this session was conducted by Prof (Dr.) Unnat P Pandit. He was active in various fields such as IT, research and industry. In this session major focus was made on what researchers need to know? Firstly one needs to understand macroeconomics. When there is a need to fulfill the demand of the population, everyone has to do it. While translating ideas into invention we need to set the priorities and this is not only applicable at macro level but also at all levels.

While doing this translation we need to understand 3 things- research, innovation and technology. Amongst this technology is most important. Sooner is the better to understand this strategy because of the increasingly dynamic world. The technology also needs to be societal (benefiting the society). For every innovative thinking to be successful we need to put idea into action, action into invention. Researchers need to be knowledge seekers. We need to learn 4 P's of innovation - Product, process, program and paradigm. One needs to be in the peripheral boundaries to be innovative. Being closer to one aspect will take you away from another. Knowledge needs to be properly managed before every problem that is given.

If you want a technological advanced solution for the IP process you need to scan the literature, jot down how many technologies are known so far, strength and weakness of each technology and additional use of the technology. Patent searching and learning is only possible through practice. You need to classify your skill as what you have and what you need. Further you need to acquire the skill that you lack at, divest the skill that is of no use. One needs to learn what gap analysis is; this means one has protected their IP. This gap will help you develop your own idea.

As a researcher what do you need to learn from this? We need to understand where these people are failing and we should not repeat. If you're developing a product that does not benefit society then it's no use. And never ignore the customers' needs. Today the IP registration process can be done in just rs 10,000, with financial support if required. In the very end anything that is different and benefits the society will succeed.



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