



JSS MAHAVIDYAPEETHA
JSS ACADEMY OF TECHNICAL EDUCATION

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A Report on

Faculty Development Workshop on

Intellectual Property Rights – Patents

In Association with



Held on 8th June 2017

Conducted by

Intellectual Property Rights (IPR) Cell

&

Centre for Interdisciplinary Research

REPORT

In today's globally competitive environment, intellectual property has placed itself on a pedestal in the context of economic growth and is becoming increasingly important. In this regard IPR Cell and Centre for Interdisciplinary Research in association with Board of IT Education Standards (BITES) that is an autonomous body promoted by Government of Karnataka, Technical Institutions & IT Industries of Karnataka. In short, BITES act as an interface between Industry & Academia with the objective of bridging the gap between the two and to bring quality into Teaching Learning Process.

The major objectives of the program were:

- To provide an environment to the faculties of the Institute for creation, protection and commercialization of intellectual property.
- To facilitate the transfer of knowledge and technology to intending users to promote utilization of such resources for benefit of the society.
- To provide information on intellectual property among the developer, author, or inventor (the originator), the Institute, and, where applicable, the sponsor.
- To encourage faculties at all levels to develop patentable technologies and to provide financial assistance from the Institute to the extent possible.

Dr. Dinesh K. Anvekar was identified as a resource person from BITES. A brief introduction about Dr. Dinesh K. Anvekar:

- Over 16 years of R&D experience in Indian Institute of Science during 1982-98
- Unique Combination of Innovation, Six Sigma, and Academic Experience
- Current: Director R&D @ Vijaya Vittala Institute of Technology (VVIT)
- Ex-Director Entrepreneurship & Professor of Computer Science @ CMRIT
- Honeywell Six Sigma Black Belt trained and certified
- American Society of Quality (ASQ) Certified Six Sigma Black Belt
- Mentored and guided 300 Six Sigma Green Belt Projects in Honeywell
- Expertise in innovation techniques including the Russian TRIZ
- Worked as Lead, Innovation Initiatives at Honeywell Technology Solutions Lab
- Worked as Research Staff Member for 1.5 years in IBM Solutions Research Center, India
- Received First Plateau Award from IBM and filed 6 US Patents

- 15 US patents issued for work done in IBM Solutions Research Center during 1998-99, AT&T Bell Labs during 1993-94, and Lotus Interworks during 2000-04, and for Nokia Research Center, Finland (see Appendix 1)
- 100 Patents filed in India in 10 months Sept.2014-June 2015 (see Appendix 2)
- 1 Indian Patent granted through Indian Institute of Science
- 18 Years of teaching experience in IISc and other Institutes
- Carried out Bluetooth related wireless research work in IBM Solutions Research Center, India
- Was a Indo-US visiting fellow at IBM TJ Watson Research Center in 1994
- 15 US patents filed in Lotus Interworks, Inc, USA during 2000-2003 in the capacity of Director for Strategic Focused Publications
- Completed two Nokia sponsored projects in Indian Institute of Science during 1997-1998
- Received Best PhD Thesis Award of Indian Institute of Science
- Author of one book and over 55 technical papers
- Received Invention Report Awards from Nokia Research Center, Finland
- Lucent Technologies (Bell Labs) Award for paper contribution to Bell Labs Technical Journal
- Fellow of IETE and Senior Member of IEEE
- Received KAAS Young Scientist Award in Karnataka State, India
- Supervised over 40 undergraduate and graduate engineering projects and research students in the Indian Institute of Science

The workshop was attended by 41 faculty members from all the departments of JSSATE, 03 faculties from BMS College of Engineering and 01 from RNSIT. The program schedule was as follows:

Period	Activity
10-10:15 AM	Inauguration of the FDP
10:15 TO 10:30 AM	Networking with participants
10:30 TO 11:30 AM	Introduction to Intellectual Property
11:30 TO 11:40 AM	Tea Break
11:40 TO 12:20 PM	Ideation Techniques: An Overview
12:20 TO 1:00 PM	Anatomy of a Patent; Indian Patent Filing Forms
1:00 TO 1:45 PM	Lunch Break
1:45 TO 2:45 PM	Examples of Patents and Patent Applications

2:45 TO 3:30 PM	Ideation by Participants
3:30 TO 3:45 PM	Tea Break
3:45 TO 4:30 PM	Preparation of Invention Disclosure
4:30 TO 5:00 PM	Writing Claims
5:00 TO 5:30 PM	Conclusion; Q/A; Feedback

The program was inaugurated by Principal, Dr. **Mrityunjaya V. Latte and** emphasized on the need of taking IPR seriously and the benefits of it. Most of the participants were in the process of understanding the basics of Intellectual Property Rights. From the feedback of the participants, it was felt that some of the technical sessions based on IPR should be organized in future which would help in increasing the awareness about this subject. Session started with the Dr.Dinesh sharing the relevant details about research projects in various disciplines and encouraged quality research. Some of the listed research projects were from Central DST, State DST, CPRI, DSIR, BRNS, CSIR, ICMR etc and he motivated the faculty to take these projects as they would be helpful not only to the growth of an individual but would also be beneficial to the institute. He acquainted faculty members about Intellectual Property Rights and advised them to take IPR on research projects and ISBN number for the research work as well as the published books to preserve its copyright.

Preparation of Invention Disclosure was explained in detail emphasizing the facts on

- To give a complete picture of the invention and the nature of modifications that should be mentioned.
- The particulars of the invention adequate for a person skilled.
- Reference to the drawings should be appropriate.

In the afternoon session all the faculty members were guided in detail about filing patents and Online Patent Tracking system. All participating faculty members had Hands-on-Exercise on Ideation techniques to generate ideas on a given case study. It was emphasized that by attending such FDP programme faculty can guide their students on how to study patents, what are the questions they have to answer and from where they can get information online. All faculty members have highly appreciated the training program and asked to all trained faculties to organize similar training seminar for all final year BE students of their respective colleges.



