

REPORT

FACULTY DEVELOPMENT PROGRAM ON “R&D FUNDING AND INTELLECTUAL PROPERTY RIGHTS”

28TH TO 30TH, MARCH 2016

ORGANIZED BY IPR/IEI FORUM

K S INSTITUTE OF TECHNOLOGY, BANGALORE-560109

Three days Faculty Development Program on “R&D funding opportunities and intellectual property rights” (FDP-2016) was successfully conducted at K.S.Institutue of Technology, from 28th – 30th of March 2016 by IEI/IPR forum. The FDP received an overwhelming response with 86 participants. The main aim of FDP was:

1. Emphasize the need for research culture in teaching
2. to familiarize faculty with different funding opportunities
3. Educate faculty about research project proposal writing and methods to get project funding
4. to familiarize with the rules and laws of patenting
5. to discuss case studies of successful patenting procedure
6. to discuss tools and techniques to write a good research proposal or thesis or a paper.

A brief Report on each session is given below.

Date: 28TH March 2016

Day 1: INAUGURAL SESSION:



The FDP program was inaugurated by Honorable members of the Management, Principal, and Chief Guest. The chief guest of the function was Dr.V.Ramprasad, IT Consultant, Bengaluru.



Day 1:

Session I (11.30 AM 1.00PM)

Speaker: Prof.V.Ramapasad , IT consultant, Bengaluru

Topic: Intellectual property rights, Changing faces of Technology R&D & education.



Details: Prof.V.Ramaprasad, IT consultant, delivered keynote address on “Types of assets, intellectual property rights, facets of technology, preamble, and knowledge connectivity”. He shared some thoughts of innovative knowledge product for

the development. The speaker emphasized on the need for applying technology to solve common problems around us.

Day 1:Session II: (2.00 PM-3.30 PM)

Speaker: Dr.Srinivas. M. Jamkhandi, Director IISC-MSME

Topic: Research, Innovation & Entrepreneurship

Details: Dr.Srinivas. M. Jamkhandi, gave an excellent presentation on “Research, Innovation & Entrepreneurship”. He outlined the process to create entrepreneurs and discussed about entrepreneurship. He highlighted the importance of learning and gave ideas improve our teaching style. The speaker suggested that teaching and learning must go hand in hand, and learning through



experiment must take upper hand in colleges and universities in order to make the education process interesting.

Suggestions/Advice: He encouraged KSIT to maintain contact with prestigious Institutes such as NITK’s, IIT’s and IISc in order to have greater exposure to current developments in technology.

Day 1: Session 3 (3.30 PM-4.45 PM)

Speaker: Dr. Cyril Prasanna Raj, Dean (R&D), Professor (ECE) MS Engineering College, Bangalore

Topic: R &D funding agencies and proposal writing techniques



Details:

Dr. Cyril Prasanna Raj gave an enlightening speech on R &D funding agencies and proposal writing techniques. Dr. Prasanna emphasized the need for having a focused goal for each department and identify the thrust areas. The talk provided an overview of various Govt. funding agencies (DST, DRDO, UGC, AICTE, etc) and highlighted their broad goals or thrust areas. He also explained about the importance of aligning the goals of our research with that of the funding agency for higher chances of acceptance of the proposal. He explained about benefits of R&D in technical education and its benefits.

Suggestions/Advice: The speaker emphasized about the importance of submitting proposals and following it through. Before applying for funding it is important to establish contact with the funding agency and seek their advice for preparing the proposal.

Day 2:

Date: 29th March 2016

Session I (10.00 AM-11.30 AM)

Speaker: Mr. Sudheer, Associate solicitor, Shankar and Shankar Associates, Mysuru

Topic: Introduction to Intellectual property (from the monetization perspective)

Details:

The talk was concentrated on the patentability of ideas and need for patenting. The speaker elaborated on the issue of patentability of an idea and need to protect the idea before it is published or made known to the outside world along with many real-life examples. The speaker showed that patenting is a combination of law, technical know-how, and market demands. Each of the area needs to be considered with equal weightage before filing a patent. Since patent is a tool for earning money on unique ideas/products, it is important to do a thorough market and assess its reach and relevance.

**Suggestions/Advice:**

The college needs to have a direction for research. A research theme for college or a department gives direction to students and faculty in achieving a given objective which also benefits the college. Shankar & Shankar Associates assured to help the college to identify its research capabilities and encash them.

Ms. Prabhavati Rao, Co-ordinator VTPC, Karnataka:

The next three sessions were conducted in association with Visweswaraya Trade Promotion Center (VTPC), a Govt of Karnataka subsidiary to help promote international trade, and also to create awareness on Intellectual Property Rights (IPR) in educational institutions. They have conducted several such IPR awareness workshops across Karnataka in the educational institutions. Before the sessions started, Ms Prabhavati Rao, Co-ordinator, Visweswaraya Trade Promotion Center (VTPC) provided an introduction to VTPC and its activities.



Ms Prabhavati Rao extended her support to conduct dedicated workshops on IP related subjects in future. She emphasized on the need for college have an IP cell in place and assured support in establishing one.

Day 2:

Date: 29th March 2016, Session II: (12.00 PM-1.00 PM)

Speaker: Dr. S. Rama Murthy, Jain University, Bengaluru

Topic: Patentable Subject Matter, Patent filing Mechanisms and Procedure

Details: Prof. Rama Murthy spoke about the subject matter of patents. He elaborated on patentability in general. He informed that the patent is a subject matter of each country and each country has its own set of rules to award the patents for example, patents may be obtained on products in India. However, in United States of America, the patents may also be obtained on processes and ideas. Speaker also explained in detail on the process of filing patent in India. He emphasized on the importance of patent attorneys/lawyers in filing an effective patent application and with example showed that it



would be difficult (if not impossible) for an individual to consider all legalities to file a patent.

Suggestions/Advice:

Emphasized the importance of R&D and patenting in academia.

Day 2:

Date: 29th March 2016, Session III (2.00PM-3.00PM)s

Speaker: Madhusudhan S.T., Partner, and Nikhil S. Reddy, Senior Associate, K&S Partners, Bengaluru

Topic: Patent search and commercialization options

Details: The speakers first started with elaborating on the different repositories available over internet for identifying the patents in a given area of work. The speakers emphasized on the need for a patent search before filing a patent. Not searching for related works across all the repositories may result in rejection of the patent application. Different patent search mechanisms and techniques to ease the process of patent search were made known to the audience.



Day 2:

Date 29th March 2016: Session IV (3.00 PM - 4.00 PM)

Speaker: Ms. Brinda Varma, IP consultant

Topic: Successful Patents: Insights and case studies

Details: Ms Brinda Varma talked on the characteristic of a successful patent application. The speaker emphasized on the issue of patentability in the context of 3 factors, uniqueness, marketability, and . Few case studies were discussed to show different aspects of a successful patent application. Successful patent is also subjected to interpretation in different geographical context. It was shown that the same patent application may be viewed differently in the legal framework of different countries. The talk was interactive and proved very useful for the audience to get a feel of the practical aspects of filing a patent and understand whether an idea/product can be patentable.



Suggestions/Advice:

It is important for a college to have an IP cell. It would ensure visibility of the college, and help in

branding and positioning of the college. It would also benefit the faculty from R&D activities.

Day 3:**Date 30th March 2016:** Session I: (10.00 PM-11.30 AM)**Speaker:** Dr. Samita Maitra, BMSCE, Bengaluru.**Topic:** Approaching Government Funding Agencies: A Teacher's Perspective in present Teaching-Learning

Details: The speaker laid emphasis on the teaching methodology and urged the faculty to inspire students and make them more curious rather than teaching or providing more information. In the competitive world, it becomes important for teachers to be oriented towards research and be involved in innovative research projects. Many government organizations such as CSIR, DST, and SERC provide research grants to institutions and individuals. Women are given more importance and several schemes /funds are made available for women in engineering for conducting research.

Suggestions/Advice: Be proactive and make students learn more themselves rather than being taught the very details of the subject. Encouraged all the faculty to submit proposals to funding agencies.

Day 3: Session II: (11.30 PM-1.00 PM)**Speaker:** Dr C S Ramesh ,Dean, Alliance University,**Topic:** 'Writing research proposals'

Details: Prof. Ramesh, spoke extensively on writing research proposals and the motivation for doing research. The speaker highlighted the importance of self motivation for conducting any research. Many examples were provided on how to conduct research and how to write research proposals. Research proposals may be submitted to organizations by aligning with their research goals. Informal consultations with the personnel in the organization (where proposal is being submitted) would help in preparing an effective proposal. Individuals and their motivation / sincerity is the key factor in making project a success. Individuals' clarity and direction is also important, and he/she must be able to judge the feasibility of project under given constraints. A successful project outcome makes an individual motivated to take up many other projects.

Suggestions/Advice: The speaker gave advice that the staff to be proactive and be self motivated to do research. Research must be based on self interest and be passionate towards achieving the goals. Execute small projects successfully which will provide as a stepping stone for getting better exposure and funding opportunities.

Day 3:

Session III: (2.00 PM-3.30 PM)

Speaker: Dr.S.N.Sridhara, Principal, KSSEEM, Bengaluru

Topic: 'Research methodology'.

Details: Dr. S.N. Sridhara gave a talk on research methodology. The talk was based on mainly on the following points,

- 1) Research Motivation and Planning: The research must aim at solving a specific problem in a given area. The problem statement must be clearly understood by the researcher. Planning is important and time must be taken out for research without compromising on the personal obligations.
- 2) Literature Survey and defining the problem: Literature survey helps to narrow down the broad objective into a small and a specific problem or a part of the problem. Literature survey must help to decide on the problem and weed out impossible options.
- 3) Technical Writing skills: Writing papers and proposals is a part of the research. A researcher must practice writing papers and proposals and hone the skills.
- 4) Research Ethic: Research must be ethical and any work should not be plagiarized.

Suggestions: Be proactive and start research out of self motivation. Be meticulous in planning the time and be prepared for deviations. Complete the work within stipulated time.

Day 3: (3.30 – 4.00PM): Valedictory function

The valedictory function was attended by honorable members of the Management of KSIT, Principal of KSIT and Chief Guest for the valedictory function was Prof. S.N. Sridhara, Principal, KSSEEM.

The certificates were distributed to participants by the dignitaries. Chief guest encouraged the audience to be motivated and wished everyone the best. Principal, KSIT, spoke on the occasion and highlighted the need for



faculty to be proactive and attend such programs. Mr. Rukmangada, Hon. Treasurer of Kammavari Sangham spoke on the occasion and reiterated the Managements' commitment to encourage research activities in KSIT and in other concerns of Kammavari Sangham.

