

**DEPARTMENT OF MICROBIOLOGY**

**Basics in Patent Drafting**

**BHAVAN'S VIVEKANANDA COLLEGE  
of Science, Humanities & Commerce**

Sainikpuri, Secunderabad - 500094

Autonomous College, Affiliated to O.U

Accredited with 'A' Grade by NAAC



## **Basics in Patent Drafting**

**Value added course for Academic Year 2021**

**Organized by**

**Department of Microbiology, BVC**

**&**

**Intellectual Property Rights Cell of BVC**

**In Association With**

**PROMETHEUS IP**

**Under DBT-STAR College Scheme**

## COURSE OBJECTIVE

“Basics in Patent Drafting” is designed for students to obtain fundamental knowledge required to gain expertise in drafting a patent and filing an application. The course aims to provide skills in obtaining suitable protection for inventions and understand functioning of patent system.

## COURSE OVERVIEW

- COURSE DURATION: 30 Hours
- COURSE DATE: 25.9.2021 Onwards @ 10 Hrs/month
- The course is offered to B.Sc Microbiology IIIrd & IInd Year

• **TOPICS COVERED:** *Introduction to intellectual property rights, Patents, Trademarks, Copyrights and industrial designs, Geographical indication and plant varieties, Trade secrets, semiconductor chip/integrated circuits, Patents as a technical solution to a technical problem, Indian patent law- a primer (The patents act, 1970), Pre-requisites in patenting process (NDA, IDF, searches), Parts of patent specification (provisional v/s non-provisional) including field of invention, background, Objectives, summary, detailed description, experimental details, independent and dependent claims, drawings, etc. Patent drafting (enablement, definiteness, clarity etc) and claims (types of claims). Patent drafting exercises, practical discussion and module wise assessments.*

- Certificate shall be issued on completion of the course.

## COURSE OUTCOME

At the end of this course students learn the implication of Intellectual property rights and acquire the skill of Patent Drafting.

## Resource persons



**Dr. Poornima Chandran**  
Nehru- Fulbright Doctoral Fellow  
Patent Agent

**Mrs. S. ANJU**

Assistant Professor, Dept. of Microbiology  
Member, IPR Cell, BVC



## Course Co-ordinator



**Dr. K. Anuradha**  
Head Department of Microbiology, BVC  
Co-ordinator DBT Star College Scheme

## Report on Value added course – “Training in Analytical Techniques”

Value added course on “Training in Analytical techniques” was organized from 23<sup>rd</sup> to 28<sup>th</sup> December 2019. This training was organized for students of second year postgraduate students in Microbiology in collaboration with Star Tech Labs, (Standard Total Analytical Research and Technical Laboratory) at Madinaguda, Hyderabad .Total 30 students have participated. Dr.K.Anuradha, HOD of Microbiology and senior faculty Dr.J.Sarada from Department of Microbiology had organized the six day training programme to provide value addition to their curriculum and skill enhancement for M.Sc students.



Star Tech Labs provides high quality analytical services and leading service provider in the field of Environmental Monitoring, Industrial Hygiene Monitoring, Indoor Air Quality Monitoring, Audits and related Consultancy Services. They have capabilities and expertise in the field of Quality Control / Quality Assurance / Validations in Pharmaceutical, Food, Packaged Drinking Water and Mineral & Engineering Industries.



On 23<sup>rd</sup> morning the course was initiated by Dr.K.Anuradha and Dr.Ramana from Star Tech Labs by briefing on the purpose and relevance of the training programme to students. Each day students were trained in handling high end models of laboratory testing equipments like HPLC, GC, LCMS, ICP-MS, GAS Chromatograph MS with Auto injector, Fourier Transform Infrared Spectrophotometer etc.



Training was designed by conducting a demonstrative lecture , followed by a analysis of the data .Training programme was concluded with feedback of students and certificate distribution. Students were happy with the training and gave good feedback on the training programme.

## **Report on Value added course – “ PROTEOMICS”**

Value added course on “ proteomics ” was organized during the academic year 2016-17. This training was organized on 4-1-2017 and 5-1-2017 for students of second year postgraduate students in Microbiology in collaboration with Sandor life sciences pvt ltd, Hyderabad . A Total of 21 postgraduate students have attended and successfully completed this value added course. Dr.K.Anuradha, HOD of Microbiology and senior faculty Dr.J.Sarada and Dr Nagapadma from Department of Microbiology have organized this training programme to provide value addition to their curriculum and skill enhancement for M.Sc students.

Dr Madhura Rekha, Head proteomics, Sandor life sciences pvt ltd, Hyderabad demonstrated various analytical techniques like 2D gel electrophoresis, SDS PAGE, MALDI,Nano flow chromatography , Q-TOF etc. All the participants keenly learnt the principle and working mechanism of various instruments used for analysing proteins .