ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
("ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ 1994"ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)
VISVESVARAYA TECHNOLOGICAL UNIVERSITY
(State University of Government of Karnataka Established as per the VTU Act, 1994)
Phone :0831-2498100 / 2405468
Fax : 0831-2405467
Email : registrar@vtu.ac.in
Web : https://vtu.ac.in

Prof. B. E. Rangaswamy, Ph.D
REGISTRAR
Phone: (0831) 2498100
Fax: (0831) 2405467

REF: VTU/BGM/BoS/BSc/630/2024-25/ 2956 DATE: 25 SEP 2024

CIRCULAR

Sir/ Madam,

Subject: B.Sc common subject 21IPR 67- Intellectual Property Rights regarding...

Reference:Chairperson BoS email dated 20.09.2024

This is in reference to the subject mentioned above: **21IPR67 - Intellectual Property Rights**, which is common for B.Sc. (Hons.) Chemistry, Physics, and Mathematics streams. However, the syllabus uploaded under the B.Sc. (Hons.)Chemistry section shows slight differences. Based on stakeholder feedback and the suggestions of the BoS chairperson, the common syllabus has now been uploaded, aligning with the 21IPR67 syllabus for Intellectual Property Rights, as applicable to the B.Sc. (Mathematics) and B.Sc. (Physics) streams in the 6th semester. For the convenience of both faculty and students, a copy of the syllabus is enclosed with this circular for reference.

All principals of affiliated engineering colleges are requested to disseminate the updated circular content to all concerned parties.

Encl: 21IPR67 Syllabus

Sd/-
Registrar

To,
The Principals of AffiliatedEngineering Colleges under the ambit of University where B.Sc(Hons) program is being offered.

Copy to:

- The Hon'ble Vice-Chancellor's through the secretary to VC for information
- The Registrar(Evaluation) VTU Belagavi for information and for needful
- The Director, ITI SMU VTU Belgaum for information and request to upload the circular on the VTU web portal.
- The Special Officer, QPDS section, VTU Belagavi for needful
- Office copy

25/09/24

REGISTRAR

B.Sc. Honors (Physics/Chemistry/Mathematics)
Choice Based Credit System (CBCS) and Outcome Based Education (OBE)
SEMESTER - VI

Subject Name: INTELLECTUAL PROPERTY RIGHTS			
Course Code	**21IPR67**	CIE Marks	50
Teaching Hours/Week (L:T:P: S)	2:0:0	SEE Marks	50
Total Hours of Pedagogy	25	Total Marks	100
Credits	02	Exam Hours	03

Course Learning Objectives:

The course will enable students to:

CO1. To understand the basic concepts of IPR.

CO2. To know the types of IPRs and drafting procedure.

CO3. To know the emerging Issues and Challenges.

CO4. To analyze the future aspects of Intellectual Property Rights

Pedagogy (General Instructions)

Teaching-Learning Process (General Instructions) These are sample Strategies; which teachers canuse to accelerate the attainment of the various course outcomes.

1. Lecturer methods (L) need not be only the traditional lecture methods, but alternative effectiveteaching methods could be adopted to attain the outcomes.
2. Use of Video to explain various concepts on IPR.
3. Encourage collaborative (Group Learning) Learning in the class.
4. Ask at least three HOT (Higher Order Thinking) questions in the class, which promotes criticalthinking.
5. Introduce Topics in manifold representations.
6. Show the different ways to analyze the research problem and encourage the students to come upwith their own creative ways to solve them
7. Discuss how every concept can be applied to the real world - and when that's possible, it helpsImprove the students' understanding.

Module-1

Introduction: Introduction to Intellectual Property Rights Concept and Theories Kinds of Intellectual Property Rights Economic Analysis of Intellectual Property Rights Need for Private Rights versus Public Interests Advantages and Disadvantages of IPR.Criticisms of Intellectual Property Rights, Politics of Intellectual Property Rights, Third WorldCriticisms and Marxist Criticisms.

Teaching- Learning Process: Chalk and talk method / PowerPoint Presentation.

(RBT Levels: L1, L2 and L3) 5 hours

Module-2

Introduction to Patents: An Overview Historical Development Concepts, Novelty, UtilityInventiveness/Non-obviousness. Patent Act 1970 – amendments of 1999, 2000, 2002 and 2005Patentable subject matter, Patentability criteria, non-patentable inventions Pharmaceutical products andprocess and patent protection Software Patents Patenting of Micro-organism. Rights of patenteeProcedure for granting a patent and obtaining patents Grounds for opposition Working of Patents,Compulsory License Acquisition, Surrender, Revocation, restoration Transfer of patent rights. Infringement and its effects and management.

Case Studies on Patents. Case study of Curcuma (Turmeric) Patent, Case study of Neem Patent,Case study of Basmati patent, Case study of Apple Inc. v. Samsung Electronics Co., Ltd.

Teaching-Learning Process Chalk and talk method / PowerPoint Presentation

(RBT Levels: L1, L2 and L3)

Module-3

Copyright and Neighbouring Rights Concept and Principles: Historical background andDevelopment of Copyright Law Leading International Instruments, Berne Convention, UniversalCopyright Convention, International Copyright under Copyright Act WIPO Phonograms andPerformances treaty. Copyright Act, 1957 Terms of Copyright conditions for grant of copyright,extent of rights exception to copyright protection, fair use provision, assignment and licensing,Copyright in Literary, Dramatic and Musical ,Works, Sound Recording, Cinematograph Films,Copyright in Computer Programme, Author Special Rights, Right of Broadcasting and performers.Copy rights registrations and infringements.

Teaching-Learning Process :Chalk and talk method / PowerPoint Presentation

(RBT Levels: L1, L2 and L3) 5 hours

Module-4

Basic Principles of Design Rights - Justification for Protecting Designs - Historical Perspective - Features of Shape, configuration, Pattern or Ornament - or Composition of lines or colour - New or Original - Applied to an Article, Excluded Subject - Matter - Method or Principle of Construction - Features Dictated Solely by Function - Mechanical Device - Trademark, or Property Mark, or Artistic Work - immoral Designs and Designs Contrary to Public order–Rights of the Owner of Designs and Tests for Infringement. Assignment of Design Rights, Infringement of Designs.

Teaching-Learning Process :Chalk and talk method / PowerPoint Presentation

(RBT Levels: L1, L2 and L3) 5 hours

Module-5

Historical development of the concept of trademarks, trade secrets, Geographical integratedproducts, machine designs, lay out and topographical designs, and other IPRs.
Emerging issues and challenges in IPR; Public health and Intellectual Property Rights Case study—Novartis Pharmaceuticals and Bayer Pharmaceuticals. TRIPS Flexibilities and access to medicineIPR and Climate change Patents and Biotechnology. Traditional knowledge and IPR Bio piracyDomain Name, Disputes and Cyber squatting.

Teaching-Learning Process :Chalk and talk method / PowerPoint Presentation

(RBT Levels: L1, L2 and L3) 5 hours

Course outcome:

At the end of the course, the student will be able to:

CO 1. To know the basic concepts of IPR.

CO 2. To know the fundamentals of Patent laws and drafting procedure.

CO 3. To know the fundamentals of Copy Rights.

CO 4. To understand basic principles of design rights

CO 5. To understand emerging issues and challenges in IPR.

Assessment Details (both CIE and SEE)

The weightage of Continuous Internal Evaluation (CIE) is 50% and for Semester End Exam (SEE) is 50%.
The minimum passing mark for the CIE is 40% of the maximum marks (20 marks). A student shall bedeemed tohave satisfied the academic requirements and earned the credits allotted to each subject/ courseif the student secures not less than 35% (18 Marks out of 50) in the semester-end examination (SEE).

Continuous Internal Evaluation:

Three Unit Tests each of 20 Marks (duration 01 hour)
1. First test at the end of 5th week of the semester
2. Second test at the end of the 10th week of the semester
3. Third test at the end of the 15th week of the semester

Two assignments each of 10 Marks
4. First assignment at the end of 4th week of the semester
5. Second assignment at the end of 9th week of the semester

Group discussion/Seminar/quiz any one of three suitably planned to attain the COs and POs for 20 Marks(duration 01 hour)
6. At the end of the 13th week of the semester

The sum of three tests, two assignments, and quiz/seminar/group discussion will be out of 100 marks andwill be scaled down to 50 marks
(to have less stressed CIE, the portion of the syllabus should not be common /repeated for any of the methodsof the CIE. Each method of CIE should have a different syllabus portion of the course).

CIE methods /question paper is designed to attain the different levels of Bloom's taxonomy as per theoutcome defined for the course.

Semester-End Examination:

Theory SEE will be conducted by University as per the scheduled timetable, with common question papersfor the subject (duration 03 hours)
1. The question paper will have ten questions. Each question is set for 20 marks.
2. There will be 2 questions from each module. Each of the two questions under a module (with a maximumof 3 sub-questions), should have a mix of topics under that module.
3. The students have to answer 5 full questions, selecting one full question from each module.

Suggested Learning Resources:

Books Recommended:

1. Fundamentals of Intellectual Property Rights by Ramakrishna B , Anil Kumar H.S ISBN 139781946556318, Notion Press: Edition 2016.
2. D.P. Mittal (Taxman Publication), Indian Patents Law and Procedure
3. B.L. Wadera, Patents, trademarks, copyright, Designs and Geographical Judications.
4. P. Narayanan (Eastern Law House), Intellectual Property Law
5. N.S. Gopalakrishnan& T.G. Agitha, Principles of Intellectual Property (2009), Eastern BookCompany, Lucknow

References:

1. Laws relating to Intellectual Property Rights by V K Ahuja Publisher Code: 9788131251652,Lexis Nexis: Edition 2017

Web links and Video Lectures (e-Resources):

https://www.google.com/search?rlz=1C1ASVC_enIN953IN954&q=%22weblinks%22+for+Research+methodology+and+IPR&sa=X&ved=2ahUKEwirt8XRhZiAAxVQb2wGHW9SB6QQ5t4CegQIOhAB

https://www.dolphininstitute.in/workshops-seminars-conducted-on-research-methodology-ipr-and-entrepreneurship/

Activity-Based Learning (Suggested Activities in Class)/Practical-Based Learning

☐ Quiz
☐ Group assignment
☐ Seminars