Subject Code	RESEARCH METHODOLOGY AND IPR	L	T	P	C
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UNIT 1:

Meaning of research problem, Sources of research problem, Criteria Characteristics of a good research problem, Errors in selecting a research problem, Scope and objectives of research problem. Approaches of investigation of solutions for research problem, data collection, analysis, interpretation, Necessary instrumentations.

UNIT 2:

Effective literature studies approaches, analysis Plagiarism, Research ethics, Effective technical writing, how to write report, Paper Developing a Research Proposal, Format of research proposal, a presentation and assessment by a review committee.

UNIT 3:

Nature of Intellectual Property: Patents, Designs, Trade and Copyright. Process of Patenting and Development: technological research, innovation, patenting, development. International Scenario: International cooperation on Intellectual Property. Procedure for grants of patents, Patenting under PCT.

UNIT 4:

Patent Rights: Scope of Patent Rights. Licensing and transfer of technology. Patent information and databases. Geographical Indications.

UNIT 5:

New Developments in IPR: Administration of Patent System. New developments in IPR; IPR of Biological Systems, Computer Software etc. Traditional knowledge Case Studies, IPR and IITs.

References:

(1) Stuart Melville and Wayne Goddard, "Research methodology: an introduction for science & engineeringstudents'"

(2) Wayne Goddard and Stuart Melville, "Research Methodology: AnIntroduction"

(3) Ranjit Kumar, 2nd Edition, "Research Methodology: A Step by Step Guide forbeginners"

(4) Halbert, "Resisting Intellectual Property", Taylor & Francis Ltd,2007.

(5) Mayall, "Industrial Design", McGraw Hill,1992.

(6) Niebel, "Product Design", McGraw Hill,1974.

(7) Asimov, "Introduction to Design", Prentice Hall,1962.

(8) (8) Robert P. Merges, Peter S. Menell, Mark A. Lemley, " Intellectual Property in New Technological Age",2016.

(9) T. Ramappa, "Intellectual Property Rights Under WTO", S. Chand,2008