

Research & Development & Intellectual Property Rights Cell

(TRD&IPR Cell) - "Patent Your Innovation"

An engineering institute is a hub of creative activities where the young would-be technocrats explore and nurture their inner talent/ideas/concepts by forming a group of innovative minds from different engineering disciplines to convert their ideas into intangible products. The **Research & Development & Intellectual Property Rights Cell** provides a space for such innovative efforts and supports for innovation and protecting means of patenting. TRD&IPR Cell works independently as well as in synergy with all the departments.

Vision

1. Establishing an ecosystem for smooth facilitation of research and development activities by constitution of research and development activity and excellence centres within respective engineering disciplines pursued
2. Establishing an ecosystem for identification and safeguard of research interest and innovative work of research workers in various research and development centres as well as creating awareness about latest patent laws, policies and IPR issues

Mission

- To develop adequate infrastructure for facilitation of relevant R&D activity
- To carry out activities to sensitize students and faculty to take up challenging and socially relevant projects
- To carry out collaboration with industries and scientific institutions in order to receive grants and financial support as well as to do collaborative research and development activity
- To develop IPR Cell in order to safeguard the interest of various research groups
- To protect the innovation through IPR Cell
- To keep abreast with the latest IPR laws and the infringement cases/studies happening around
- To develop healthy coordination among research centres or groups and IPR Cell
- Support start-ups in protecting and development of their creative activities

Research & Development Cell (R&D)

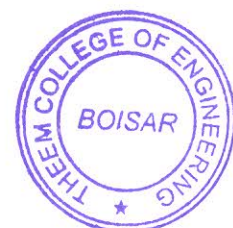
R & D Cell was created and established in___ to promote research based teaching-learning process and to catalyse students' inner talent/ideas/concepts and convert them to meaningful, socially relevant and technologically sound product or process.

Objectives

- To create and maintain research conducive environment
- To promote research activity amongst faculty, students and any other stakeholders
- To promote the concept of interdisciplinary research
- To promote collaboration between academia and industry for conducting socially and environmentally relevant research.
- To provide support system for facilitating innovative and advanced research activities.
- To provide a platform for exchange of scientific and technological ideas amongst various stake holders for smooth facilitation of research based activity.
- Provide faculty and students training on ways to write proposal for grants and project.

Expected Outcomes

- Enhancement in number of research projects taken as well as completed.
- Increased participation of faculty and students in innovative research.
- Creation and enhancement in number of research publications and patents.
- Increased number of exchange of ideas amongst various groups of researchers.



- Increased number of participations in various project competitions held both at national and international levels for example, India Innovation Cell Challenge Design Contest, NES Innovation Award, ATV Project Competition, etc.

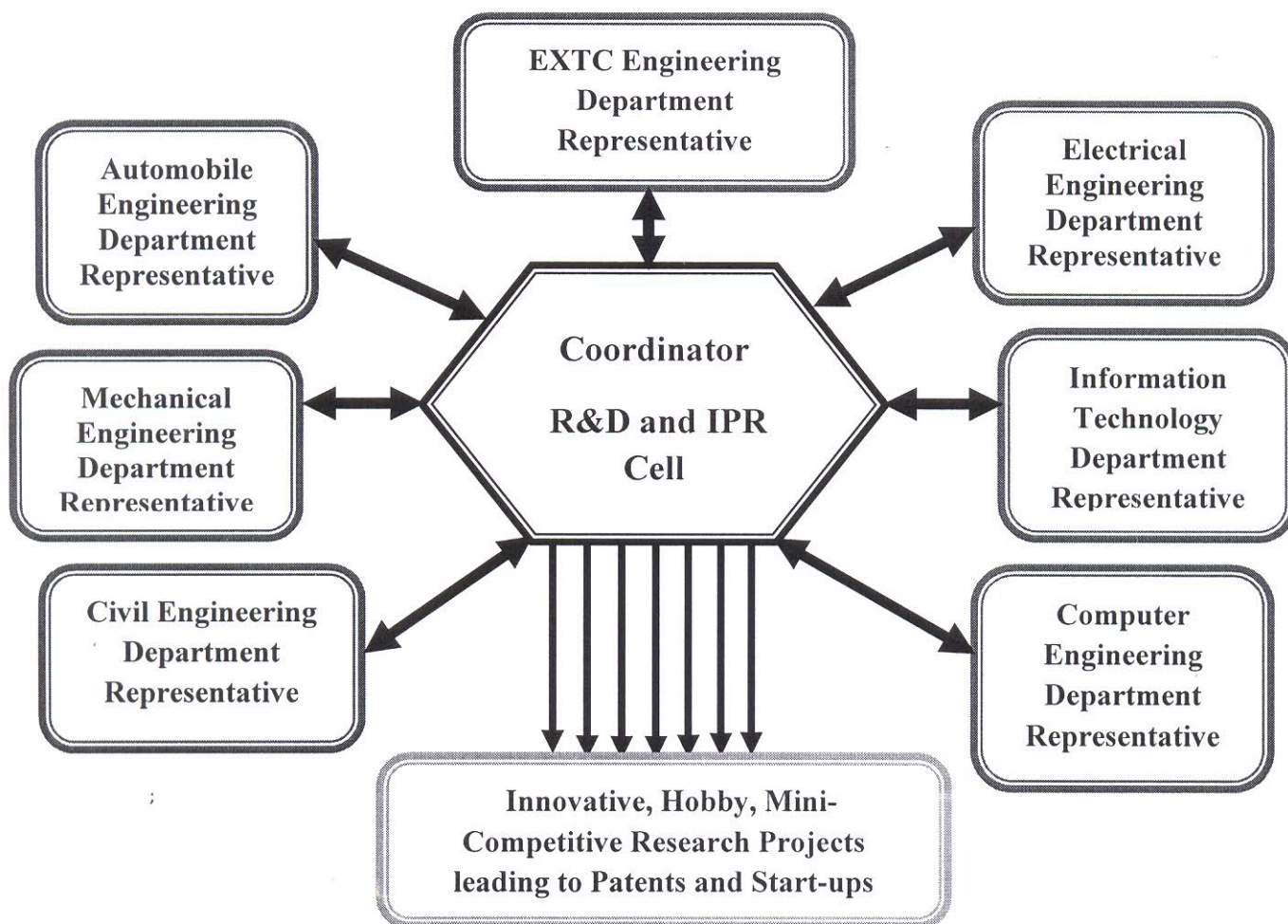
Intellectual Property Rights Cell - Context

Prior to 2016 there was no clear-cut Intellectual Property Right Rules (IPR) in India which could protect the researcher in absolute manner. In order to safeguard the innovation or any such activities a decision to frame new IPR rules were taken after consultation with different stakeholders and this was done under 'Digital India' and 'Make in India Campaign'.

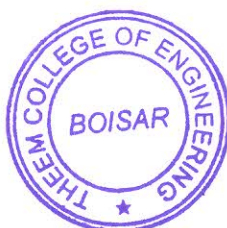
IPR Objectives

The objectives of Intellectual Property Rights (IPR) refer to the purposes of protection granted to the creator of innovative intellectual creations. Intellectual Property Rights (IPR) serves creators ensuring that they would be recognised for their efforts and protected from infringement. It provides an incentive to students for motivating more like them to come up with more new creations.

Research and Development (R&D) and Intellectual Property Rights (IPR) Cell



(Dr. A Kumar)
Co-ordinator



(Dr N. K. Rana)

Principal
THEEM COLLEGE OF ENGINEERING
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Code of Ethics to check malpractices and plagiarism in Research

The main objective is to promote the research and research publications and prevention of misconduct including plagiarism in R&D.

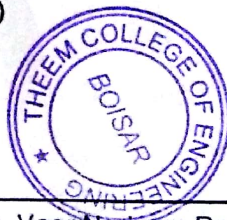
Introduction:

Ethics is the most significant element of the academic activities in teaching and research. Teaching and research forms a novel combination of knowledge transfer which needs freedom to express the knowledge, freedom in the academic process to express the knowledge and invention in the most ethical way. It include the freedom to inquire for innovation of new things in subject that encourage intellectual concern, to present findings, to publish data and conclusions without control or censorship and to teach in the manner they consider professionally appropriate. This requires integrity with the teaching and research.

Plagiarism:

Plagiarism constitutes unethical scientific behavior and is never acceptable. Proper acknowledgement of the work of others used in a research work must always be given. Further, it is the obligation of each author to provide prompt retractions or corrections of errors in published works. There are varying degrees of plagiarism warranting different consequences and corrective action, listed below from most to least serious:

- Verbatim or nearly verbatim copying or translation of a full paper(s), or the verbatim or nearly verbatim copying or translation of a significant portion(s) of another paper(s).
- Disclosing unpublished data or findings without permission, even if attributed.
- Unaccredited verbatim or nearly verbatim copying or translation of individual elements of another paper(s).
- Unaccredited paraphrasing of pages or paragraphs from another paper(s).
- Credited verbatim copying or translation of a major portion of a paper without clear delineation (e.g., quotes or indents)




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Possible types of Ethical violations:

- **Conflict of Interest:** Any action that may result in a conflict of interest must be fully disclosed. When objectivity and effectiveness cannot be maintained, the activity should be avoided or discontinued.
- **Disputes about authorship:** Proper authorship representation is generally a matter for the involved parties to resolve.
- **Duplicate Submission:** Duplicate submission abuses the resources of all affected journals, including the valuable time of editors, reviewers, and staff, and is unprofessional and unacceptable.
- **Fabrication or misrepresentation of data or results:** Any incidence of fabrication or misrepresentation to be an extremely serious breach of professional conduct, with potentially severe ethical and legal consequences.

There are Open Source Softwares available to check the plagiarism on library portal of institute website, the url is <http://theemcoe.org/library.php>

The students and faculty are encouraged to use these softwares before sending any paper or report for publication. Thus institute take this issue seriously and necessary checks are performed.




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Reference No. TCE/EST/2013-2014/280 A

15 July, 2013

Office Order cum Circular

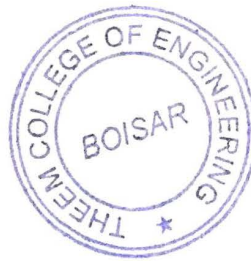
Subject: Appointing as a Coordinator of R&D and IPR Cell

I am pleased to appoint Prof. Dr. Amruthanshu Kumar as a coordinator of R&D and IPR Cell from the date of 15 July, 2013.

He is advised to take all the necessary steps to improve Teaching-Learning Ecosystem suitable to industry related skill development in academic and technical aspects.


(Dr. N. K. Rana)

Principal



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