



PRINCETON INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN
Chowdaryguda- [V], Narapally, Ghatkesar Mandal, Medchal District -500088.

R&D and Incubation center snapshots

Princeton Institute of Engineering & Technology for Women, identifies an ecosystem to share technical knowledge between the students and faculties for innovation with the incubation center. The college builds up with R&D cell to promote research activities headed by Dean R&D. The R&D cell focuses on mini and major projects of the students along with funding agencies that to be carried out during study. The R&D cell facilitates faculty and students to publish quality papers in referred journals with high impact factors. The R&D cell conducts workshops on how to write a paper, important steps to avoid plagiarism and identify quality journals that help the faculty and students to meet their research requirements.

We have organized various activities under PETW R&D, Incubation center. Activities such as Technology awareness camps, Entrepreneurship talk series, funding projects and boot camps are organized. We have formed advisory board for Incubation center comprising of experts from industry, startups and academia. Every year in the month of July year planner proposed and reviewed our activities.

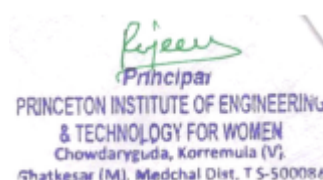
We have conducted ideation camps to identify the potential students with innovative ideas to implement.

Scope:

Incubation center is dedicated to promote and support the spirit of innovative ideas among the graduating students of PETW

Objectives:

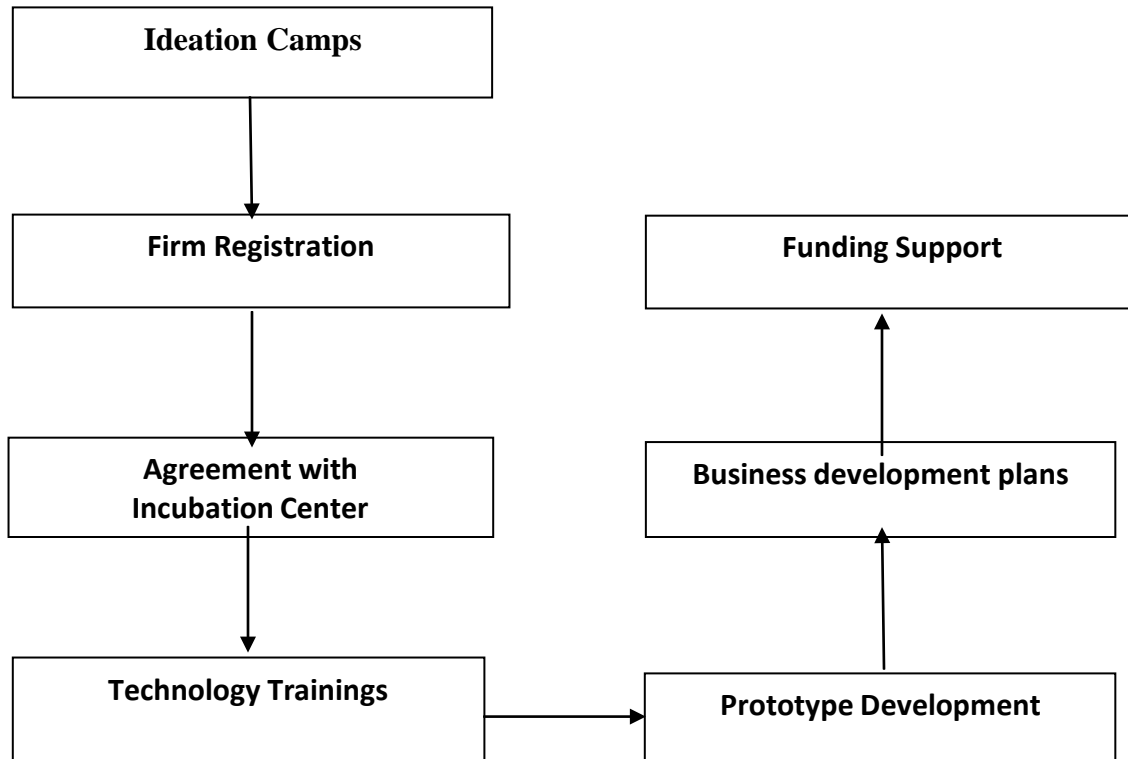
- To strengthen ties between the region's institutions, industries, and research and development institutions, as well as other associated organizations working to promote SMEs, such as NGOs and other non-profits.
- To accelerate and support the development of technological businesses as well as job possibilities.
- To effectively respond to rising SMEs and Micro Enterprises issues and opportunities on a national and worldwide level.





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Incubation center flow chart



Prospective for PETW to Become Hub for innovation

- Geographical location, Hyderabad being IT Hub.
- Well connected with Road and Air. Just 80 Minutes drive from Airport
- Hyderabad outer ring road which helps in speed transportation to various parts of the city is located just 2 Km away.
- The companies will have more tangible visibility in the market place.
- Strong Industry relationship.
- Strong Research and development team with researchers in diversified engineering domain expertization.
- Strong Alumni Base and quality intake.
- Management Support for seed funding.



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Activities under R&D and Incubation center

S.No	Year	Activity	Date
1	2021-2022	Seminar on Stress Management	26/08/2021
2	2021-2022	Preparing Competitive Research Grant Proposals	17/09/2021
3	2021-2022	Seminar on Concept of Trading on Trademarks	18/01/2022
4	2021-2022	Technical seminar on Intellectual Property Rights	24/02/2022
5	2020-2021	One day seminar on Importance of Funding Projects	28/9/2020
6	2020-2021	Seminar on Importance of the Patent	02/11/2020
7	2020-2021	Emerging Trends in Digital Copyright law	22/02/2021
8	2020-2021	Seminar on Concept of Trading on Trademarks	17/03/2021
9	2019-2020	Seminar on How to file a Patent	10/07/19
10	2019-2020	Research Advancements in Engineering and Technology	31/07/2019
11	2019-2020	Seminar on Publication in SCI/SCOPUS Journal.	05/08/19
12	2019-2020	Awareness session on New Education Policy and Startup Policy	20/8/2019
13	2019-2020	FDP on writing Effective Research Papers and Proposals	09/09/19
14	2019-2020	Technical seminar on Intellectual Property Rights	27/09/2019
15	2018-2019	Seminar on Fundamentals of Research Methodology	26/7/2018
16	2018-2019	Seminar on Plagiarism free articles	10/08/18
17	2018-2019	Workshop on writing a Research Article	07/11/18
18	2018-2019	Technical seminar on Intellectual Property Rights	08/01/19
19	2018-2019	Industrial Policy	20-03-2019
20	2017-2018	One day seminar on Identifying Funding agencies for Projects	08/09/17
21	2017-2018	Webinar on Research problem and literature survey	22/06/2017
22	2017-2018	Life Skills Management	05/12/17
23	2017-2018	Intellectual Property Rights	25/01/2018
24	2017-2018	Space Communication	16/02/2018



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Consultancy Projects Undertaken

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award
Design of Soft Switching Voltage Boosting Converter for High Power Applications	Dr. AJMERA KRISHNAMURTHY	Electronics and Communication Engineering	2017 -18
Design of Cascaded H-Bridge Multilevel STATCOM for Power Quality Improvement	Dr. AJMERA KRISHNAMURTHY	Electronics and Communication Engineering	2018 -19
DESIGN OF LOW VOLTAGE FAULT MANAGEMENT SYSTEM	Dr. AJMERA KRISHNAMURTHY	Electronics and Communication Engineering	2019 -20
Bill Management System for Restaurant	Dr. G. ARUL DALTAN	Computer Science and Engineering	2020 -21
AUTHENTICATION OF PRODUCT AND COUNTERFEITS ELIMINATION USING BLOCKCHAIN	Dr. G. ARUL DALTAN	Computer Science and Engineering	2021 -22
ENVIRONMENTAL PARAMETERS MONITORING AND CONTROLLING BY USING PC	Dr. RAJEEV SHRIVASTAVA	Electronics and Communication Engineering	2021 -22


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Intellectual Property Rights Policy Document

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IPR Policy of PETW, Hyderabad

A principle mission of Princeton Institute of Engineering & Technology for women (hereinafter PETW) is to engage in assimilating and imparting knowledge and provide a nurturing environment of students and faculty to apply the science, technology and engineering principles in innovative projects. PETW recognizes that creative endeavors are a natural outgrowth of the pursuit of this mission and in past few years has been encouraging students and faculty to generate research work that can qualify for patent protection. While this effort is gaining momentum, PETW also recognizes that the proper management of such endeavors and related intellectual property rights would strengthen and provide a strong foundation for growth of such projects and unable a sustained focus to this effort. In support of these goals, PETW providing guidelines for inventions, copyrightable works, trademark and other related intellectual property rights arising form the activities of its faculty, staff, students and other who use PETW resources, including those provided through an externally funded grant, contact, or other type of award or gift to the institution.

STATEMENT OF POLICY:

A. Innovations

1. PETW Ownership Principle: The PETW shall own any invention developed in whole or in part during any employment, research, or scholarship activity of any PETW students, Research scholars, or faculty linked to the use of PETW resources, in whole or in part.
2. Further, prior to making any public disclosures of the research work through publication in journals/books, presentations in conference / workshop, etc. including to a third party, the inventors/researchers should get the recommendation from the Dean, R & D, PETW for approval by the principal PETW to that end, all necessary documents data, background material etc. as required by the principal and Dean, R&D, PETW should be finished by the inventors/researchers.



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B. Copyrightable Works:

1. **PETW Ownership Principle:** The PETW allows authors to keep the copyright to instructional and scholarly works that are copyrightable. The PETW shall own the copyright to any copyrightable work conserved in whole or in part during the project, with the exception of instructional and scholarly copyrightable works.
2. **Disclosure of copyrightable works with potential commercial value:** Each author of a copyrightable work that is PETW owned according to the foregoing PETW ownership principle and that may have potential commercial value shall promptly reveal the copyrightable work to the PETW and/or its designee in writing.
3. **License to PETW for instructional or scholarly copyrightable works:** By operation of this policy, each instructional or scholarly copyrightable work shall be subject to a perpetual nonexclusive, royalty-free license from the author to the PETW to use, duplicate, and internally distribute the instructional or scholarly copyrightable work for any pedagogical, research, or educational purpose of the PETW, subject to attribution of original authorship and internal academization.
4. The above permission should be interpreted liberally to allow the PETW to continue its efforts to protect research integrity and avoid fabrications, falsifications, and plagiarism.

- C. Trademarks:** The PETW owns all rights, title and interest in trademarks that relate to PETW intellectual property or relate to a program of education, service, public relations, research or training by the PETW.


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D. Tangible Research Property and Data: The PETW owns all rights, title, and interest in tangible research property and data created with PETW resources. Under most circumstances, the PETW allows access to PETW owned tangible research property or research data to PETW personnel at the discretion of the principal duly recommended by Dean, R&D, PETW for any non-commercial purpose, as per the guidelines available with Dean, R&D, PETW. Subject to section VII of this policy, the PETW allows access to PETW owned tangible research property or research data to PETW personnel at the discretion of the principal duly recommended by Dean, R&D, PETW for any non-commercial.

1. PETW intellectual property disposition: This policy will be regarded as 1) a term and condition of employment for all PETW employees. 2) A condition of student registration and attendance at the PETW, and 3) a condition of any person's participation in any PETW study or other use of PETW resources (whether or not employed by compensated by enrolled at the PETW). This would include i) external research scholars registered with JNTUH or other universities to work in PETW research centre and/or receive guidance from PETW faculty, and ii) internal research scholars registered with JNTUH or other universities to work in PETW research centre and/or receive guidance from PETW faculty.
2. Outside activities approved by PETW for PETW faculty or staff are subject to this policy to the extent that this policy does not conflict with any other existing policy applicable to third parties. In the event of a conflict, ownership of all IP arising from such outside activities (collaborative work) will be mutually determined through case-by-case discussions.


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3. All creators of PETW intellectual property must execute legal documents required to carry out this policy as ordered and requested by the PETW and or its designee. PETW (onits own behalf and on behalf of its designee) maintains the sole right to make agreements about the retention, ownership, patenting, licensing, accessing, and any other use or dispositions of any right, title, or interest in PETW intellectual property inits sole discretion.
4. The PETW or its designee will decide whether to commit resources to get patent, copyright, or trademark protection for specific PETW intellectual property, and/or whether to seek out one or more licensees who will cover the expense of acquiring that legal protection. No one other than PETW or its designee has the authority to assign, license, or otherwise dispose of PETW intellectual property. Personnel from PETW who are involved in outside activities are not authorized to enter into an intellectual propertyarrangement that is in violation of this policy.

E. Commercialization of Intellectual Property.

1. Patents PETW may pursue commercialization of the patents owned by it and any revenue from such Commercialization may be distributed as under clause 3 of this section.
2. Participating Parties' Equities Policy: In general, Income earned directly from the commercialization of PETW Intellectual Property by the PETW and/or its designee shallbe administered in accordance with this policy. PETW ' policy is to encourage and recognize the innovative efforts of its employees, as well as to fairly distribute the financial rewards of such efforts. The PETW may revoke or alter this general policy at any time, and all legally enforceable rights to Tangible Research Property and Research Data (Intellectual Property or revenues thereof) possessed by the Institutionnow or in the future will stay with the Institution.


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Division Principles in General, In most cases, Net Proceeds will be allocated as follows: a) one-third to PETW, and b) two-thirds to inventors who are members of PETW or other people who invented the PETW Intellectual Property that generates Net Proceeds. The concerned PETW personnel will decide on any agreement among those PETW personnel setting proportionate distribution shares among themselves. Depending on the circumstances of a particular situation, such as relevant contractual arrangements and any applicable funding regulations, the Principal may sanction a deviation from the preceding principles.

3. Independent Contractors' Work, Independent contractors such as website developers, architects, building contractors, interior designers, special software developers, and others will sign a contractual agreement transferring ownership of inventions/Copyrightable works created during PETW retention to the PETW.


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ANNEXURE – 2

WHO SHOULD KNOW THIS POLICY

- Board of Governors
- Faculty/Visiting Faculty
- All students/Research Scholars
- Visiting Scholars
- All employees

RESPONSIBILITIES

Inventors/authors:

- a. Duly record the details of the research work and associated data in a Research Notebook as per the guidelines provided by Dean, R&D, PETW. Duly record the source of any extraneous material obtained from an external source during the course of the research/project/teaching material (accurate citations for the source to be provided).
- b. Prior to making any public disclosures of the research work through publications in Journals/books, presentations in Conferences/Workshops, etc., including to a third party, the inventors/researchers should get the permission of the Principal routing the request through Dean, R&D, PETW. To that end, all necessary documents, data, background material, etc as required by the Principal and Dean, R&D, PETW should be furnished by the inventors/researches.

If the research work has elements of new approaches, results that can be patentable, the researchers should submit such aspects of their work through the Invention Disclosure Form to the Dean, R&D, PETW and maintain.

- a. Confidentially of such work till a decision is received from the Dean, R&D, PETW Center towards filling or not filling of patent on such work.



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- b. In collaborative research work with another institution/third party, informs Dean, R&D, PETW of such work, and maintain clear records of such work.
- c. Be aware that the IP Policy is binding on them during their association with PETW.

Dean R&D, PETW:

- a. Owns the implementation and administration of the IP Policy.
- b. Ensures that the IP Policy is communicated to all faculty/students/third parties associated with PETW.
- c. Create standard procedures for submission of ideas/inventions, for review of the Disclosures, for billing and other necessary operating procedures.
- d. Conduct timely reviews of the submitted invention Disclosures if needed and take the necessary next steps for getting the patent applications filled for the approved disclosures.
- e. Conduct periodic meetings of the Steering Committee to inform about the activities of the Centre and take any directions.
- f. Build the R&D Centre as a self-sustaining unit in the long run using the Commercialization funds.
- g. Create awareness and appreciation of IP amongst the faculty and students of PETW.

Administrations/Accounts:

- a. Support the activities of the PETW, R&D specifically communication of the Policy, creating awareness and disseminating funds in a timely manner towards filling of patent applications.



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The Principal:

Provide support and guidance to Direction, R&D PETW in implementing its activities, communicate the Policy to HODs and assert its importance in different interactions with faculty and students


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ANNEXURE – 3

DEFINITIONS

Intellectual Property

The term “intellectual Property” means property such as an invention, patent, copyrightable work, copyright, trademark, service mark, trade secret, integrated circuit mask, research data, plant variety protection certificate, tangible research property, or physical embodiment such as a model, machine, device, design, apparatus, instrumentation, circuit, computer program, visualization, biological material, chemical, other composition of matter, or plant that originates in or relates to academic or research activity and that is protectable by any law.

Copyrightable Work

The phrase "Copyrightable Work" refers to an original work of authorship that has been fixed in any tangible medium of expression, such as books, journal articles, poems, manuals, memoranda, tests, computer programs, instructional material, databases, and bibliographies.

Computer Software; Recorded performances, including instructional performances; musical pieces, including any accompanying words Dramatic works, including any music that accompanies them; Pantomimes and choreographic pieces (if notated or recorded on videotape); Photographs, schematics, sketches, and integrated circuit masks are examples of pictorial, graphic, and sculptural works. Motion movies and other audiovisual works are also examples.

Research Data

The term "Research Data" refers to the documented factual material that is widely acknowledged in the study and scholarly communities as being required to support research conclusions, but excludes the following: preliminary examinations scholarly paper drafts, research proposals, peer evaluations, and discussions with colleagues.



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PETW Resources

The phrase " PETW Resources" refers to any assistance provided by or via PETW. Including, but not limited to, funds, facilities, equipment, or personnel provided by governmental, commercial, industrial, or other public or private organizations and administered or controlled by the PETW; and funds, facilities, equipment, or personnel provided by governmental, commercial, industrial, or other public or private organizations and administered or controlled by the PETW.

PETW Intellectual Property

PETW intellectual property is intellectual property that the PETW owns or controls as a result of this policy and/or applicable law.

