YENEPOYA INSTITUTE OF TECHNOLOGY

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YENEPOYA
INSTITUTE OF TECHNOLOGY

RESEARCH AND DEVELOPMENT

CELL (RDC)

INDEX

1. INTRODUCTION

Yenepoya Institute of Technology (YIT) is progressing with a VISION "Set up the Standard for Engineering Sciences Education" and with a MISSION "Educate and Transform the Student Community". YIT believes that excellence in education is not a destination rather it is a continuous journey associated with academic, co-curricular, extracurricular, sports and research. In addition to all academic facilities offered, now, YIT has formed Institution Research Committee (IRC), in Oct-2021, to frame a Research and Development Policy as a part of strategic plan to create research culture and research integrity among the faculty members. It desires students to mark the research excellence in core and inter/multi-disciplinary areas. IRC aids and encourage all research minds to promote and disseminate research knowledge and to build a YIT Research Hub, comprising of academic and industrial communities. Further, the policy also attributes to the innovation activities towards economic progress, including social well-being.

Now, as per the guidelines from the UGC (ref No. 1-5/2021(NEP/Desk-Parl, Dated 14.03.2022), YIT has elevated the IRC to Research and Development Cell (RDC).

2. OBJECTIVES

- ➢ To promote quality research that contributes towards the goal of a self-reliant India
- ➢ To encourage and strengthen the research culture and research integrity to have a research hub in the institute catering to build institute's research capabilities
- ➢ To encourage core and inter/multi-disciplinary research activities
- ➢ To encourage resource mobilization for research
- ➢ To integrate research and education
- ➢ To strengthen collaborative and student/faculty extension research activities
- ➢ To develop research infrastructure

3. GOVERNANCE

To create an efficient governance mechanism to strengthen the research ecosystem within YIT, the Research and Development Cell (RDC) is established according to the provisions of NEP-2020. A strong leadership, administrative structure and active involvement of the experienced researchers can play significant role to establish effective operating research governance in RDC at YIT.

3.1 The Organizational Structure of the RDC

The research governance will have a Research Advisory Council (RAC) chaired by the Vice-Chancellor/Principal as the apex body of RDC. The Director of the RDC, nominated by Vice-Chancellor/Principal among the distinguished researchers from the institute, will head various committees to drive the governance and monitor all research activities. RDC may form multiple committees to smoothen its functioning with respective committee members nominated by the Director-RDC and approved by RAC. The organizational structure of RDC comprising of various committees and their specified functions are as under:

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                    Research Advisory Council
                            (RAC)
                              │
                              ▼
                        Coordinator
                          (RDC)
                              │
                              ▼
   ┌──────────────┬──────────────┬──────────────┬──────────────┐
   ▼              ▼              ▼              ▼              ▼
Committee-1    Committee-2    Committee-3    Committee-4    Committee-5

Finance &      Research       Collaboration  Product        IPR, Legal &
Infrastructure Program        & Community    Development,   Ethical
               Policy                        Monitoring &   Matters
               Development                   Commercializatio
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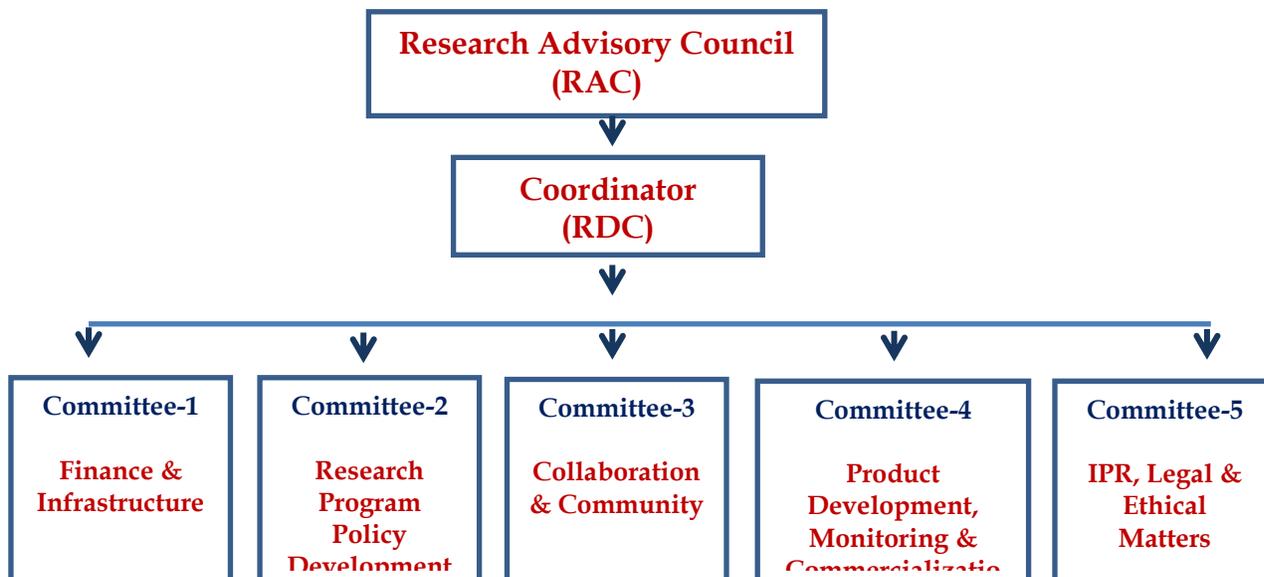
Committee 1: Finance and infrastructure

It provides an assurance and facilitates for the best outcome of the research activities as per the objectives of the RDC. Its aim is to ensure that the RDC is operating in line with strategic objectives of the institute.

Committee 2: Research Program and Policy Development

It provides motivation to the research and development activities and to provide necessary guidance, whenever required, to the researchers. It needs to discuss and propose R & D policy matters. It has representation from all departments.

Committee 3: Collaboration & Community

It has to facilitate and establish collaborative research activities with other universities, industries and private sectors, including consultancy services.

Committee 4: Product Development, Monitoring & Commercialization

It has to play a major strategic role to build up partnerships with other, industry-institute interface, sponsored or contract research, advanced technology transfer, and commercialization of research to facilitate innovation, incubation, entrepreneurship and start-up ventures. It has to coordinate with Ministry Innovation Cell to make use of various innovative plans for facilitating the researchers

Committee 5: IPR, Legal & Ethical Matters

It has to empower researchers to identify, generate and protect their Intellectual Property (IP) through filing procedures for rights like patents, copyrights, trademarks, designs, etc. Committee has also to provide information to all academic community about the research ethics.

3.2. Details of RAC and RDC members

Research Advisory Council (RAC)

Sl. No	Name	Designation	Contact details
1	Dr. R. G. D'Souza Principal	Chairperson	7349640840 principal@yit.edu.in
2	Dr Santhosha Acharya Coordinator, RDC	Member	9964867815 physicshod@yit.edu.in
3	Prof Vani Adiga Coordinator, IQAC	Member	9008514434 iqac@yit.edu.in
4	Dr Nagaraj P Coordinator, NBA	Member	9448300759 chemistryhod@yit.edu.in
4	Mr Mohammed Shahid Campus Administrator	Management Representative	7795346955 campusadmr@yit.edu.in
5	Mr Kumaresh Accountant	Member	account@yit.edu.in

Research & Development Cell (RDC)

Sl. No	Official Position	Name with designation	Contact details
1	Convener	Dr. Santhosha Acharya Professor, Department of Physics	9964867815 physicshod@yit.edu.in
2	Finance and Infrastructure:	Dr. R.G. D'Souza Principal	7349640840 principal@yit.edu.in
3	Research Program, Policy Development	Dr. Santhosha Acharya Professor Department of Physics	9964867815 physicshod@yit.edu.in
4	Collaboration and Community	Dr. Shashank Gowda Associate Professor, Department of Electronics and Communication	9036524934 shashank@yit.edu.in
5	Product Development, Monitoring & Commercialization	Prof G Sujaykumar, ssistant Professor, Department of Mechanical Engineering	9880543651 sujaykumar@yit.edu.in
6	IPR, Legal & Ethical Matters	Prof. Jaganesh Assistant Professor, Department of Mechanical Engineering	9164585263 jaganesh@yit.edu.in
7	Members (Heads of all departments)	Head, Department of AIML Head, Department of CSE Head, Department of ECE Head, Department of EEE Head, Department of ISE Head, Department of ME Head, Department of Chemistry Head, Department of Mathematics Head, Department of Physics	aimlhod@yit.edu.in csehod@yit.edu.in ecehod@yit.edu.in eeehod@yit.edu.in isehod@yit.edu.in mehod@yit.edu.in chemistryhod@yit.edu.in mathematichod@yit.edu.in physicshod@yit.edu.in

4. ADMINISTRATION

4.1. The responsibilities of the RDC

➢ Coordinate with RAC, various committees and HoDs of all the departments to ensure overall progress in research, innovation and consultancy activities.

➢ Arrange for meetings/discussion/interactive sessions/motivational talks to boost inter-disciplinary and collaborative advance research activities.

➢ Coordinate with all committee, including HoDs and disseminate research outcomes to stakeholders, annually.

4.2. The responsibilities of the Finance and Infrastructure committee

➢ Coordinate with RDC and HoDs of various department to full fill the infrastructure related matters

➢ Deal financial matters related to research, innovations, consultancies etc.

4.3. The responsibilities of the Research Program, Policy Development committee

➢ Coordinate with RDC, researchers and HoDs of various department to frame the research promotion and incentives policy

➢ Take a necessary steps to motivate the researchers

4.4. The responsibilities of the Collaboration and Community Committee

➢ Coordinate with RDC, researchers and HoDs of various departments to identify the thrust research areas and make an effort to connect external experts/researchers to boost collaborative research activities, MoU and faculty exchange programs

4.5. The responsibilities of the Product Development, Monitoring & Commercialization committee

➢ Coordinate with RDC, researchers and HoDs of various departments to identify the kind of research taken up or outputs obtained and accordingly strategies for product developments and commercialization of the product. Also frame the policy

➢ Keep a close contact with Ministry Innovation Cell to make use of various innovative plans for facilitating the researchers

4.6. The responsibilities of the IPR, Legal & Ethical Matters committee

➢ Coordinate with RDC, researchers and HoDs of various departments for filing patents, copyrights, designs etc. And also frame IPR committee and policy.

4.7. The responsibilities of the Members of RDC

5. Select one research coordinator at department level and through him/her coordinate with RDC/other committees to update all the research activities of the department.

6. Department shall coordinate with Finance and Infrastructure committee for any research related financial budget (infrastructure, instruments, attending conference, paper publications, organizing conference , research center etc. and has to maintain relevant documents.

7. Coordinator has to maintain separate file for research (budget, paper publications, conference etc.)

4.8. The responsibilities of the Faculty and Researchers

➢ All must be updated with the research activities of the institute and must be involved to contribute towards research.

➢ Motivate students to involve in projects/research to publish papers

➢ All publications should be affiliated to YIT

➢ Coordinate with respective department coordinator and disseminate research outcomes

➢ Put effort to generate funds for undertaking the research activities and collaborative research, including consultancy

➢ Ensure that research related activities are potential benefits to the Institute.

5. RESEARCH PROGRAM POLICY DEVELOPMENT

5.1. Research Initiatives for Faculty

➢ Eligible faculty members shall be encouraged and permitted to register for Ph.D (part time), with full salary

- Faculty pursuing PhD shall be facilitated with one full working day, in a week, free from academic work load
- Full administrative support shall be extended to initiate research and other Intellectual Property Rights (IPR) related activities
- The SEED grant proposal shall be considered, by the institution, to initiate the research activity based on the quality of research proposal submitted.
- Recognition/acknowledgment of the achievers, (Ph.D award, Research projects, Patent and Publications etc.) shall be done through newsletter, newspaper, website, college digital display and circular)

5.2. Research Projects, Collaboration and Training

- Faculty with doctoral degree should pursue a minimum of one funded research project
- Support and encourage shall be provided to establish collaborative network, globally (MOU, exchange activity etc.).
- Support for any other activity to be of significance to carry out research work shall be provided
- Full autonomy shall be given to Principal/Co-Investigator to carry out the research as per the guidelines of the funding agency
- Upon demand, selected faculty members shall be deputed to various training center to get trained, with financial aid.

5.3. Publications (Paper, Patent, Books)

(At par with publication standards set by UGC/AICTE guidelines)

- Faculty with doctoral degree should publish minimum one research paper in journal and conference proceedings per year.
- Faculty pursuing PhD should publish minimum one research paper in journal and conference proceedings at least over a period of two years.

- Each faculty should attend and present papers in conference/workshop every year
- Legal and financial support shall be provided for patent registrations

5.4. Incentives and Financial Support

(Subjected to approval of RAC and at par with the interest, limitation and norms of the institution)

- Incentives for the following shall be given as per the RAC recommendation

  - Research paper publications in peer reviewed journal
  - Registration Fee, and travel expenses to present paper in conferences/workshops/seminars and other professional development activities.
  - National and international conference paper presentation, registration, travel expenses
  - Salary increment for completion of PhD degree and outstanding research/innovation achievements
  - Patent
  - Book publications
  - Organizing of conferences/workshops/seminars

6. RESEARCH ETHICS

All research activities shall be performed in accordance with the YIT Research Code of Ethics framework and IPR.

The Code of Research Ethics

All Researchers;

- Should have mutual trust, integrity for the exchange of research ideas
- Should report/publish only fact findings and original research output
- Should award authorship only to those researchers who have made an original and significant contribution to the conceptualization, design,

execution, and interpretation of the work carried out. The principal author should evaluate the contribution to award corresponding authorship and order of the co-authorships. Any other research related contributions should be acknowledged.

➢ Should not involve in any academic misconducts such as misinterpretation, plagiarism, violation of IPR rights and violating institute research policy

➢ Should face research ethical committee enquiry for any research misconduct

(Approved by Principal)

Note: Amendment of the policy will be made as and when required.