



Research Policy 2017-18

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Research Mission :

- To inculcate and integrate the Research culture by Faculty and Students into all aspects of Learning at Atria Institute of Technology.
- To create a conducive research environment – annual goals, processes, facilities, empowerment, and governance model - to accelerate research in specific streams as well as interdisciplinary domains such as IoT, NanoTechnology & Materials, Machine Learning/ AI to name a few.
- To set higher standards of research for faculty – in choice of topics, conferences and publications to publish, and drive towards globally recognized metrics in academic research.
- To establish collaboration with national and international universities,
- To identify and write compelling proposals to sponsoring organizations and funding agencies, both institutional and industry.
- To inculcate a Research mindset in interested students – provide opportunities for students to learn research methodologies and tools, write student papers, and challenge them to deep-dive into projects to be converted to research proposals.

Research Advisory Board:

Sl. No.	Representatives	Role
1	Advisor Education- AIT	Chairman
2	Principal, AIT	Member
3 to 8	Heads of All Streams of Engineering, PCM & MBA	Members
9,10	External Distinguished Experts (TBN)	Members

Research Process Guidelines:

a. Academic Research

We encourage undergraduate students, post graduate students, research scholars and faculty to pursue research in their area of interest and participate in ongoing research activities @AIT. Through the annual budgeting process (owned by the Head of Department) , we support the department, faculty and students through research grants as well will



provide required infrastructure to carry out academic research. The outcome of the research carried out (Annual Research Goals) will lead to publications, patents and product development. The Governance Model for Research is a Quarterly review (as a part of Monthly review process) of the status and achievements, issues and rectification actions).

Academic research is classified into the following major categories:

b. Undergraduate/Postgraduate Research Program (URP)

Because independent research and creative work represent new kinds of challenges for many students, research staff will pay special attention in helping interested students in identifying the topics of research. The Centres of Excellence in each Stream/ Department will help students to ignite their interest areas, shape ideas into focused project topics. Faculty interactions, peer group discussions and lab hands-on will expose them to the research environment and provide an opportunity to develop their scholarly pursuits.

Those faculty who are pursuing research or PG program will be identified, and their area of work will be displayed for the students to choose from. The URP matches students with faculty mentors and provides them with required training, infrastructure, nominal funds and technical resources. As part of our effort to improve student research experiences, we stipulate that supported students complete an evaluation. Reviewers examine the results of these evaluations closely.

Students interested in research need to get in touch with their assigned mentor, Research faculty or HoD, indicating their area of interest.

c. Sponsored (Funded) Research Program

Sponsored (Funded) Research refers to those Research activities which have been awarded to the Institution as a result of Proposals submitted earlier. These programs could be funded by either Government Institutions or Private enterprises and are of a fixed value and fixed time duration. There may be one or more Principal Investigator/s championing (nominated) the program.

Participation as a team member in Sponsored Research program is open to Faculty and



post graduate students. The list of such projects and requirements will be published as and when project awarded/ project launched. Interested members shall discuss with their HoD and submit their profile and proposal to the PI, for selection. Based on the match of project skill requirements and student's competencies/interests, the principal investigator would select research staff/research associates to work on the projects. The selected staff will be supported both financially as well technically in pursuing the research work. Publications and patent filling will be mandatory in this program.

d. Research Publications:

To motivate and guide faculty members to publish good quality technical papers in reputed national and international journals and conferences.

This is done to encourage staff members by update their knowledge in attending Conferences, Workshops, Seminars, Symposiums, Summer School and Faculty Development Programs in their domain of expertise and also to support the staff members to deliver guest lecturers, distinguished lectures, invited talks, conference chair, paper reviewer.

e.Process Guidelines:

1. Prior to the beginning of the ensuing AY, each Stream/ Department shall review previous year's performance, and discuss and prepare the Research Plan and Goals of the Department, faculty-wise, for the ensuing AY. They shall also take into account the expected goals provided by the Principal of the Institution. The finalized plans shall be forwarded to the Principal as per prescribed timelines.
2. The research advisory board shall at the beginning of the AY, approve the Research Plan and Goals, Budgets and Updates to the Research Policies if any. Departments shall present and discuss their plans.
3. Head of Department is responsible to evaluate the merit of final drafts of Technical papers proposed to be submitted by faculty and staff of their respective departments. Subject Matter Experts from within or outside shall be invited as special invitee to attend such reviews (in person/ video meeting, or by soft copy circulation). Merit includes the quality of the subject, depth and originality of research work, logical analysis of facts to findings to conclusions, presentation standards, and approval of the target conference or publication).



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4. The Research Advisory Board shall once a quarter review the status and provide the guidance (thought leadership, funding, infrastructure etc) as appropriate to achieve the Annual Goals.
5. The research advisory board will take note of all reimbursements issues related to publications/conferences, travelling and registration fee; and for exceptional cases, will make recommendations for grant of financial support and its nature.
6. Reimbursement /Allowance (normal cases) will be sanctioned by the college (Principal) against submission of all supportive documents in the following order.
 1. Details in the prescribed format, including budget provision made and not utilized
 2. Alternative arrangement of classes
 3. Head of the department approval letter
 4. Registration fee paid receipt
 5. Copy of the paper published
 6. Attendance certificate

-----end of Main Text ; Annexures Follow -----



Annexure 1 to Research Policy 2017-18

Example of Short Term and Long Term Goals

Stream/ Department : ECE (sample data only for illustration ; not actuals)

Short Term Goals

- To set up Centre of Excellence / Research facilities in digital signal processing, VLSI Design, DSIP, Embedded Systems and Software Engineering.
- To propose and win (get awarded) funded research projects sponsored by AICTE, VGST, DST, ISRO and DRDO and other funding agencies.
- To publish at least 45 faculty papers/year in National/International journals (indexed, with credible JIF; not in fake journals).
- To have at least two patents filed (later granted) in the field of electronics and computer engineering.
- To encourage atleast 5 interested students to deep-dive into projects and develop each project into research papers of quality
- Organize 1 national level conference
- Plan and conduct seminar and workshops for students and staff.

Long Term Goals

- Establish centre for excellence in VLSI, Embedded System Design, NANO/MEMS technology supporting R&D activities and product development.
- Establish collaboration with national/international universities for R&D activities in niche areas.



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Annexure 2 to Research Policy 2017-18 : Reimbursement of Fee-Reg. Paper Publications/Attending Conference/Workshop/Seminar/Symposia

a. Attending Conference/ Workshop/Seminar/Symposia/FDP etc.

Staff Name	Dept.	Subject domain/paper title	Workshop/Conference Date & Place	Attach all supported doc. with Paper	Amount Claimed

b. Paper Publications

Name of the Author (s)	Dept.	Journal Name/Paper Title/Vol. No. Month & Year	Publication Type/Category of Journal	Global Impact Factor	Attach all supported doc. with Paper	Amount Claimed

Note: Recommended /Not Recommended

Verified by the Dean/ HOD

Signature of the Principal

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