



POLICY DOCUMENT ON PROMOTION OF RESEARCH

Research is one of the key areas where the impetus is given nationally and internationally. It has plans to cultivate academic and research collaborations with national and international universities, government agencies and industries to meet needs of society and the industry.

- To encourage faculty and students to undertake research projects in interested or emerging areas in engineering and science funded by various national and international agencies.
- To explore new horizons of knowledge and ensure its practical implementation through collective efforts and quality research work.
- To keep everyone informed of all announcements by various funding agencies like Department of Science and Technology (DST), Department of Atomic Energy (DAE), Defence Research & Development Organization (DRDO), Indian Space Research Organization (ISRO), Council of Scientific and Industrial Research (CSIR), All India Council for Technical Education (AICTE) and University Grants Commission (UGC).
- To enhance the research awareness among faculty by organizing discussions with prominent researchers and conducting national and international conferences, workshops on research methodology, IPR and patenting, seminars, faculty development programmes and symposia.
- To motivate students to present technical papers in National and International conferences and display projects in competitions and exhibitions.
- To set up the Incubation Centers to motivate innovations and start-ups.
- To adopt Collaborative Research with IIT, NIT, premier research laboratories and industries.
- To motivate and mentor students to participate in various Hackathon and International contests.
- To develop products and file IPR with the help of SSIP.
- The M.Tech program stipulates paper publication as a mandatory requirement to train the students on research and publication. Along with the real-life



problems of industries for their projects to ensure the usefulness of the outcome of the research.

- The academic autonomy provides flexibility to strengthen Graduate and Postgraduate Programs aligned with outreach educational experience and financial resources that are redeeming features for the realization of the programs of research and advanced studies.
- To strengthen the research activities, the institute has signed MOU with many industries and foreign universities.
- The college offers consultancy services in the fields of Environment, Infrastructure, Cement Testing, Meter Testing, Antenna Designs and many more. Also, the college has a well-established Alumni Network, spread over the globe, who directly or indirectly support research and academic activities.
- Computing facilities in the context of research are augmented with the addition of Super Computer 'PARAM SHAVAK'.

R & D Cell:

The R & D cell comprises of faculty members from various departments in the Institution. This committee observes the smooth and efficient co-ordination of research and development activities in the Institution for overall growth.

A senior faculty heads this cell in the capacity of Dean, R & D, with the Convener and Co-convener (Associate Dean) to provide advisory support along with members: Single point of contact (SPOC) from every department. Each department has the department representative for R & D activity who monitor the R & D activities of the department.

Our Objectives:

The institution has introduced number of Initiatives towards Promoting Research activities in the institution.

- Study leave with full salary for the faculty pursuing PhD under QIP
- Deputation of faculty to participate in workshop, seminar and National & International conferences
- Testing charges, research paper publication charges in reputed high indexed journals, charges for patent registration and publication along with publication or/and presentation of papers in International or National conferences with support from State/Central funding agencies.
- Institute also provides supporting facilities like computers, library, Internet, and reprography.



Functions of the R & D Cell:

The cell encourages students and faculty members of the college to carry out sponsored R & D projects, AICTE-MODROB projects and submit articles to peer-reviewed journals and conferences. The R&D cell helps to establish linkages with industry and premier research organizations by signing MoUs. Testing and consultancy activities are also promoted by the R&D cell. The research & innovation by students and faculty mentors can be extended to patent and product development with the help of Government funding for incubation under Student Starting & Innovation Policy (SSIP2017). The SSIP cell has nomination of faculty members and students from all departments.

Facilities Available on Campus and Nearby:

- Access to high quality technical content is available for reference through DELNET facility in the library.
- Remote access of SCOPUS on the campus.
- National Digital Library of India (NDLI) Club for access of all journals, books, projects etc.
- IRINS Portal for faculty profiles and research activities.
- A well-equipped Radio Frequency Identification (RFID) library with more than 53050 Books, and e-journals by IEEE, DELNET, ASCE, Scopus, ASME, access more than 100 printed National and International Journals and more than 1000 Compact Discs.
- BVM has an Institution membership with IEEE, CSI, IE (I), The Society of Power Engineers (I), and ISTE.
- Wi-Fi throughout the campus.
- Internet facility of 100 Mbps is available to students and staff.
- Computing facility along with adequate open source and licensed software's (like, ANSYS, SPSS, MATLAB, and IDRISI etc.) are available.
- Centre of Excellence in Electromagnetics and Antenna Research Centre (ELARC) Research Lab Powered By Entuple Technologies for Antenna Testing.
- आचार्य विद्यासागर अनुसंधान केंद्र by SATT Engineering Ltd for provides bi-directional load cells, accessories and field service for loading test companies.
- NEBULAE LUMINOUS (IOT INFRASTRUCTURE) powered by System Level Solutions (India) Pvt Ltd to bridge the gap between the academia and industry, and help the students and faculties to understand the rudiments of IoT, Learn the features of NebuLink Gateways, Configure Wireless Protocols Wi-Fi, Zigbee, Bluetooth, 6LoWPAN, Familiarize coding structures in C and Python Programming required for IoT, Interface different sensors with NebuLink Nodes, Perform Cloud Server Experiments.



- 3D Printing Lab, Concrete Lab, Geo Tech Lab, Environmental Lab
- Sophisticated Instrumentation Centre for Applied Research and Testing (SICART) – Vallabh Vidyanagar
- Sardar Patel Renewable Energy Research Institute, Vallabh Vidyanagar
- GIDC -Vitthal Udyognagar
- Anand Agriculture University- Anand
- Water and Land Management Institute- Anand
- PhD center of Gujarat Technological University established for enhancing research facilities at Birla Vishvakarma Mahavidyalaya.

Anti-Plagiarism Policy:

The Gujarat Technological University (GTU), Gandhinagar, Gujarat has published promotion of academic integrity and prevention of plagiarism in higher educational institutions regulations. In view of the same university has framed the regulations for prevention of plagiarism. The research work shall be verified through the anti-plagiarism software tools as required by the University's regulations. The University provides regulations on plagiarism on its website and through its prospectus for admission. It is the responsibility of all research students, research guides and the faculty and staff of this university to read and understand the regulations on plagiarism.

[Link: <http://www.researchjournal.gtu.ac.in/ImpPdf/PlagiarismPolicy.pdf>].




PRINCIPAL
 BIRLA VISHVAKARMA MAHAVIDYALAYA