

Research Promotion Activities

1. PhD Program

Research and Innovation is considered an impetus of growth and development at CHARUSAT. CHARUSAT comprises of various faculties with multiple disciplines and varied research interest. Therefore research thrust areas encompasses research interest of all the researchers of constituent institutes of CHARUSAT. CHARUSAT offers PhD Programmes in Technology & Engineering, Computer Science and Applications, Pharmacy, Management, Applied Sciences, Physiotherapy, Nursing and paramedical sciences.

The university provides a vibrant research environment supported by highly qualified faculty members, excellent infrastructure and state-of-art facilities. The campus is wi-fi with high-speed internet. The library has over 85,007 books, journals, and access to about 12,242 e-journals. Research Scholars get an opportunity to familiarize themselves with different disciplines and also interact with faculties from various fields. They may also take part in on-going research projects sponsored by national and international agencies.

The admission to this program is via appearing and clearing the CHARUSAT Doctoral Entrance Test (CDET) followed by a personal interview with the team of faculty members who wish to enrol PhD students. CHARUSAT offers fellowships to PhD scholars with proven capabilities. Details can be found from _____ (link).

2. Post Doctoral Fellowship

CHARUSAT has initiated the Post Doctoral Fellowship (PDF) programme to promote exemplary research in the fields of Science & Technology, including Pharmaceutical Sciences, Applied Sciences, Management Studies, Computer Applications, Medical sciences and other such sciences.

The Post Doctoral Fellowship Programme at CHARUSAT intends to promote the research with the objectives of a time bound focused research work which fits into the CHARUSAT research plan or research projects assigned by the industry or Government Funding agencies or any other such entities.

These fellowships are to supplement the resource persons in R&D efforts in institutions/laboratories/departments, etc. where basic infrastructure and resources

exist. It is not intended to support establishment of specialized facilities, centres or divisions. The details can be found from _____ (link).

3. Research project funding

CHARUSAT encourages every faculty member to pursue research in the field of his/her interest. In this connection, CHARUSAT is providing research grants to facilitate the research.

Interested faculty members can submit the research proposals in prescribed format throughout the year. The evaluation of the proposals is carried out generally in **January** and **July** months. Primarily the proposals are considered for budget upto Rs.5 lakhs. Based on nature of project and its research significance, university may increase budget allocation.

The faculty members who desire to pursue PhD from CHARUSAT are give fees discount as encouragement.

4. Facilitation for intellectual property

CHARUSAT encourages, facilitates and safeguards scientific investigations, research and innovation undertaken by its faculty members. The Intellectual Property (IP) policy of CHARUSAT provides guidelines for making inventions and discoveries available to the general public in the interest of the nation at large.

IP policy of CHARUSAT lay downs the process for promotion and support to creators/ innovators at CHARUSAT for translating their creative works into IP. This policy also aims to set forth guidelines for ownership of IP developed at CHARUSAT, those directly or indirectly associated with CHARUSAT, either in-house or outsource, seconded or sponsored unless specially covered by a policy to the contrary.

The CHARUSAT shall address specific cases by using this IP policy document as guidelines. The objectives of this policy document are as given below:

- 1) To foster, stimulate and encourage creative activities in the widest sense in all the areas in which academic, consultancy and research programs are offered by CHARUSAT.
- 2) To protect the legitimate interest of faculty / scientists / scholars / students of CHARUSAT and to avoid any conflict.

- 3) To lay down a transparent administration system for the ownership and control of Intellectual Properties and sharing of the revenues generated and owned by CHARUSAT.

Moreover, the university has a specific policy on distribution of royalty sharing which defines the process and scheme of distribution of royalty. The detailed royalty sharing policy is separately notified by CHARUSAT.

Further details can be had from__[\(link\)](#).

5. Research paper award

CHARUSAT encourage all faculty members to accomplish quality research, and to cultivate a conducive research culture in the University by felicitating research works published in reputed journals(indexed in WoS or Scopus).With this objective, a policy along with the operating procedure has been formulated for conferring "Research Paper Award".

Further details are available at [_____ \(link\)](#).

6. Procurement of resources like equipment, research journals, softwares, etc.

CHARUSAT encourages and supports its researchers to undertake sponsored research and consultancy projects from external funding agencies. The university provides specialized administrative, institutional and infrastructural support in managing of sponsored research.

Senior members of the university research fraternity provides guidance and directions to junior researchers in planning their research activities.

In addition, university has also subscribed and renewed the peer reviewed research journals from various publishers like IOP science, AIP, IEEE, Springer journals, etc.

University has central instrument facilities comprising of sophisticated instruments for the characterization of different materials, polymers, thin films, etc. It has also purchased licence software like ANSYS, COMSOL multiphysics, MATLAB, CAD/CAM, etc to pursue the simulation part of the research.

7. Endowment chair

To foster academic excellence and provide vision and guidance to promote the research endeavours of the faculties and researchers at various institutions,

CHARUSAT has made provision to invite the renowned scientists/professors from various institutes to share their experience and guidance. The Endowment Chair facilitates short to medium duration interaction of visiting researchers with CHARUSAT fraternity.

8. Student research project funding

University offers assistance to students for summer training/mini-projects/dissertation projects conducted within its constituent institutions. Bachelors and Masters Students can seek help from respective faculty members for mini-projects/dissertation only in the final semester and for summer training during the vacation period of any semester. University allows student to choose external summer training or dissertation projects at premier institutes within India. Students of CHARUSAT will then have to comply with regulations and be responsible for paying the fees (if any) charged by the external institutes. In addition, students pursuing external dissertation projects should complete the prerequisite credit courses required for completion of their degrees at CHARUSAT.

CHARUSAT encourages its students to apply and appear for reputed fellowship/research programs of DST, DBT, CSIR, ICMR, GUJCOST etc.

9. Facilitation for submitting the research project to funding agency and consultancy

CHARUSAT encourages researchers to apply for extra-mural research grant to various national and international funding agencies as well as private industries to undertake interdisciplinary collaborative national and international research.

CHARUSAT also provides Research Grant as internal funding facility to its academic staff members.

CHARUSAT encourages consultancy assignment by researchers. The policy on consultancy separately notified by CHARUSAT may be referred for further information at _____ (link).

10. Dedicated research centres

CHARUSAT has established Dr. K C Patel Research and Development Centre (KRADLE) and CHARUSAT Space Technology and Research Centre (CSTRC) in collaboration with Space Applications Centre, Indian Space Research Organization to

undertake research and development work in the emerging multidisciplinary areas of science and technology as well as to steer the scientific and industrial development at the campus.

CHARUSAT has initiated establishment of Pramukh swami Centre of Excellence in Renewable Energy to undertake R & D in renewable energy area. Presently, an NABL accredited Tribology Testing Laboratory has been established at the centre.

Recently, CHARUSAT has established International Centre for Cosmology to undertake research in frontier areas of Cosmology and Astrophysics.

11. S S Bhatnagar Awardee lecture series

CHARUSAT is hosting a lectureseries in the memory of a renowned and visionary Indian scientist, Sir Shanti Swaroop Bhatnagar, the founder director general of the Council of Scientific and Industrial Research (CSIR) and also the first chairman of the University Grant Commission (UGC). In order to honour his contributions and achievements in Indian science, CSIR instituted an award “Shanti Swaroop Bhatnagar award” for science and technology that is conferred to Indian scientists who has contributed significantly in various branches of science and engineering. This award is considered to be the most esteemed and prestigious in Indian interdisciplinary science and was first conferred in 1958.

Under the lectureseries, scientists from various fields of science and engineering and who are recipients of the prestigious S S Bhatnagar award are invited once in every semester.