



CSMSS

**CHH SHAHU COLLEGE OF ENGINEERING,
AURANGABAD.**



RESEARCH & DEVELOPMENT POLICY

Research & Development Policy

Research and academics are two sides of a coin. Hence, research activity is an important component in the curricula of all the programmes of the Institute. In fact, familiarity of the Institute is very often reflected by its quality of research output. It has been observed that technical institutes are not contributing in National research as per expectations, as mentioned in various technical reports. Keeping this concern in mind, CSMSS CSCOE has prepared a policy for fostering Excellence in Research.

Researchers of different departments of the Institute are looking at different aspects of Science and Technology to solve the challenges of Society. Researchers use innovative research techniques and modern tools, both to solve problems of the modern world and to understand the ancient world better.

Objectives:

Our research objectives are to lead the International agenda across the Institute's programs of study and through interdisciplinary initiatives, and make significant contributions to society regionally, nationally and internationally.

The objectives are:

1. To encourage faculty to undertake projects in thrust areas in Science and Engineering funded by various national and international agencies.
2. To motivate and depute faculty for doctoral assignments at various national and international universities and organizations of repute.
3. To enhance the research awareness by organizing workshops, seminars on research methodology, IPR, and Patents.
4. To provide a creative atmosphere supported by adequate facilities and resources in which research thrives among the faculty and students.
5. To explore new horizon of knowledge and ensure its practical implementation through collective efforts and quality research work.

R & D Activities:

1. To register patents and copyrights by faculty and students.
2. Funding research based UG/PG projects and ideas.
3. Publication by the faculty and students in peer reviewed journals.
4. Collaboration and MOU with Industry and R & D Organization.
5. Organize and attend research conferences, Workshops, Symposia, Faculty Development Programs, Short Term Training Programs, Refresher Programs on Research Methodology, IPR, Patent Filing, Design etc
6. Procurement of high-end laboratory equipment and software for research.
7. Talks and Lectures by eminent researchers.
8. Promoting Final year Students Projects to publish papers by adding Guide as one of the Co-Author.
9. Every Departmentt has to conduct minimum one Workshop or FDP with respect to Research Methodology once in a year.

Research & Development cell (R&D Cell)

1. Institute shall have a Research & Development cell (R&D Cell), called Core Group, comprise of the following members
 - 1) Principal– Chairman
 - 2) R& D – Coordinator
 - 3) Members
 - a. Head of departments of all programs
 - b. Departmental research coordinators

Functions of Research & Development cell (R&D Cell)

1. The core group set up by the Institute shall act as the Institute research cell and function for fostering research and facilitating copyrights, patent filing and commercialization.
2. Institute emphasis shall be on multi-disciplinary research.
3. Each department shall be developed as the model research centre for solving social problems using Engineering and Technology.
4. The department shall identify thrust areas of research to promote and make efforts to develop the institute as a National /International repute.
5. The Institute shall promote the faculties to submit proposals to different National and International funding agencies.
6. Institute shall encourage the international and national collaborations, especially funded by Government of India worldwide.
7. The Institute shall try to financially assist faculty, if funds are available with the Institute, for carrying out their research projects, for a maximum period limited to two years or till they receive the financial grants from funding agency.
8. The institute shall provide seed money for the potential proposals. The proposal shall be submitted to R&D cell after satisfactory presentation to departmental research committee with details of submission to relevant funding agency
9. Seed money to initiate R&D project shall be distributed by the following procedure:
 - a) Submission of proposal/s to funding agency.
 - b) Application for seed money through the respective HOD.
 - c) Scrutiny by R&D cell on sanction of the submitted project.
 - d) Certain percentage of the sanctioned project cost, as decided from time to time, shall be given as seed money from the departmental R&D budget.

10. The departmental research facility may be extended to researchers of other colleges / researchers from outside at a reasonable charge decided by the Institute from time to time.
11. The department should publish the list of potential equipment available in the department on the institute's website for other department's interest as well as outside.
12. The grants shall be made available for procuring Test and measuring equipment, hardware etc.
13. The Institute shall reimburse the expenses limited to certain amount, to UG, PG and PhD research work to meet the contingency expenses to the students on production of original receipts for expenditure incurred on component procurement and consumables and paper publication fee in peer reviewed journals from the list published.
16. Every faculty member shall publish their researches in peer reviewed journals only.
17. Faculty members shall be eligible for TA/ DA for presentation of their research work/ delivering key note address in reputed International conferences once in once a year.
18. The Principal Investigator shall be responsible to conduct research projects by streamlining the administrative and audit system.
19. Collaboration of Library facility shall be initiated by the institute as per the requirements of researchers for required research project.
20. Each departmental research coordinator has to present report of the department in Institute R& D Cell regarding research activities.

Research Publications Criteria

1. The Institution R& D Cell strong emphasis on fostering a culture of publication among its faculty and researchers, urging them to showcase their research findings in nationally and internationally renowned peer-reviewed journals.
2. Faculty Publications should indexed in prestigious databases like Scopus, Web of Science (WoS), Science Citation Index (SCI), SCI Expanded (SCIE) and UGC Care.
3. The non-peer-reviewed journals will not be taken into account.
4. All the research articles crafted by faculty members, research scholars and students must undergo Pre-peer review and plagiarism checks before submission and the choice of journal must align With the subject matter of the research.
5. R& D Cell will support publishing research articles through its peer-reviewed journals only.
6. R&D cell will support faculties to file Patent Applications.

**Policy Document of Financial Support to
the Staff**



CSMSS

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R&D POLICY DOCUMENT

A comprehensive Policy for Research and Development has been formed to enhance the capabilities of Staff in the areas of Research. Faculties willing to attend the Workshops, Conferences, Seminars, Industrial Training, Faculty Development Programs. The Funding for the programs can be done in a systematic manner as follows,

- ✚ Based on the areas of Research, the staff members and the Head of the Department has to discuss the Programs/Events like Training, FDP, Workshops, Conferences, etc. to be attended along with the Event Coordinator of the Department keeping in mind the Academic Schedule and Activities based on the Academic Calendar.
- ✚ Summing up the plan based on the Areas of Research and Development, the Coordinator of the Department along with the HoD's and principal of the institute decides on the Programs to be attended by the Staff. Depending upon the willingness and specialization, staff can be grouped together at times for the events to be attended.
- ✚ Staff must consider all the fees together and submit an Application to the Principal through the Head of the Department for consideration. Once approved by the HoD's and Principal, the Staff will apply for the Advance payment of the Expenses.
- ✚ Staff should clear the Advances within Eight days of Program Completion.
- ✚ All staff will be considered for the Expenses at least once in a year. Faculties can attend more than one program in a calendar year with prior approval from the higher authorities.
- ✚ Staff needs to identify the exact programs from the reputed organizations and institutions only based on their areas of research and interest.
- ✚ Staff members attending the FDP's, Conferences, Seminars, Workshops, Training, etc. will be entitled to ON DUTY (OD's) Leave provided prior approval is needed.
- ✚ After attending the event, faculty has to clear the Advance and submit the report to the Accounts department regarding the Expenses incurred. Also, Staff has to submit the Certificate of Participation along with the Report and Photographs.
- ✚ All the necessary bills including Registration fees, Travelling Allowances, Food Expenses, etc. needs to be maintained, without which Advance will not be cleared.
- ✚ Every Faculty has to attend at least one Faculty Development Program in a Academic year. HoD's of the Department should ensure this and keep the record with the Department.
- ✚ NPTEL FDP's of at least 8 weeks and more courses will also be considered as one FDP.


Principal
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