

6.2.1 Quality improvement strategies adopted by the institution for each of the following:

Curriculum Development:

Department uses the feedback as indicator of the overall quality of the teaching and learning and using this indicator the required changes implemented.

Teaching and Learning:

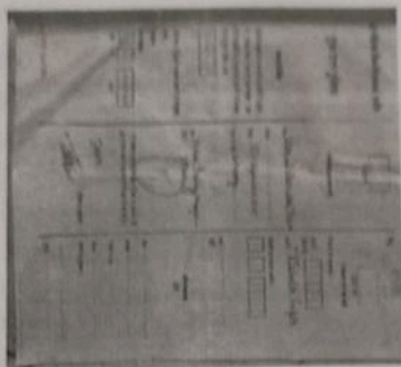
- **Three Stage Teaching:** processes in the field of Energy and Environment was adopted.
 - by using multimedia teaching methods,
 - chalk-and- talk **method** and
 - Field Visits in Industries/organizations/Renewable systems sites for practical knowledge on different real systems
- Overall Knowledge was also assessed by external expert and teachers in comprehensive viva voce examination.
- Students with greater aptitude and self-motivations are encouraged to share their approaches to learning through **learn by learner** activities. Also remedial classes are given to slow learners.
- Apart from classroom teaching faculty members act as a mentors and guide them in their academics and personal matters.
- Final outcome assessed on the basis of regular minor, seminars, group discussion, assignments etc.
- Feedback form with ten important aspects of teaching and teacher is circulated to students at the end of each semester. Feedback data is analyzed in percentage by assigning the numbers to each activity.
- Departmental committee discuss all the issues related to teaching curriculum, question papers, examination procedure, evaluation methods and feedback percentage of individual teacher performance calculated from students feedback. The strength and weakness are communicated in the meeting to the concern teachers.

Examination and Evaluation:

- Hard Copies of Teaching plan and schedule are distributed to students in advance as well loaded on university website.
- Examinations held as per University Ordinance 31
- Examination Pattern: Three Minor Test are conducted and are being evaluated within a week after completion the exams.
- Internal marks are allotted based on the assessment test marks and the student's attendance Percentage.
- Theory Major Exam consists of 60% marks and Minor Test of 40% marks are evaluated.
- To make transparency in evaluation process answer copies of examination are shown to the students for their self- appraisal.

- The short attendance is communicated to the parents.
- Continuous counseling of students every semester to find out the academic progress and guide them towards improvement based on remedial classes.

All the examination timetables is hosted at website www.dauniv.ac.in



Research and Development

- Research committee emphasized to all faculty members and research scholars for publishing minimum two research papers in reputed journals every year.
- All faculty members encouraged the scholars for attending/participating in national and international Conferences/seminars/symposium.
- Research laboratories are well equipped with required facilities and having modern instruments and equipments.
- Each Teacher has One/Two research laboratory separately for their research work. Research Laboratories are
 - Biomass conversion Laboratory
 - Solar and PV Laboratory
 - Heat and Mass Transfer Laboratory
 - Waste management Laboratory
 - Environmental Laboratory
 - Computer Laboratory
- Internet facility with large number of e-Journals availability
- Infrastructure, laboratories, research papers and guidance with scheduling of time was planned for researchers.
- Updated research programmes as per PhD new ordinance

A blue ink signature, possibly of a faculty member or administrator, located at the bottom right of the page.

Library, ICT and Physical Infrastructure / Instrumentation:

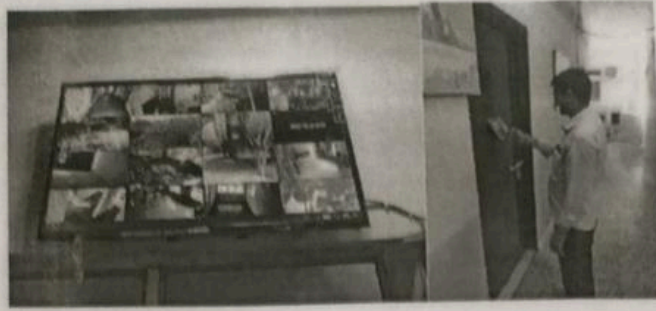
- Library is fully computerized for the records and availability check of books, journal and magazines. The department is having access of following facilities of university central library.
 - TLSS software is used for Database and searching the books.
 - INFLIBNET/IUC facilities are used frequently for research work.
 - University has ICT infrastructure. Wi-Fi campus, best auditorium and sports fields.
- Class rooms and seminar hall are equipped with multimedia setup to make ICT-enabled classrooms.
- Department availing of the National Knowledge Network connectivity through Internet network by IT center in the class rooms.
- Department is well equipped with advance facilities of energy and environment instruments such as solar gadgets, GC-MS and AAS.



Human Resource Management:

- All teachers are engaged actively in research and development therefore remains in contact with front line research and changing scenario in the field of energy and environment. The changing requirements of curriculum are discussed in Departmental Meetings. The planning of next year is done by fixing responsibilities of different activities are to be carried out. A departmental calendar is prepared.
- All teachers and staff are engaged actively with Extension and Outreach Programs through its long standing Centers (RTC and CESR) for Promotion of Educational and social needs of the society.
- Biometric System for the attendance of the all regular teaching and non-teaching staff.
- The internal and external infrastructure of department is under surveillance with CCTV.

[Handwritten signature]



Industry Interaction / Collaboration

- Industries help by giving permissions and to explain the processes and technologies used in industrial experts during their field visits. Also Industrial experts come for lectures in the department and discuss the issues related to energy and environment on specific processes and system performances.
- Training and jobs are provided to students with the cooperation of Stakeholders.
- A continuous process of brainstorming and discussions on the issues at hands are taken up on energy and environment on specific processes and system performances.

Admission of Students:

- **Admission Procedure:** Admission notice for all the programmes is published in Employment News and Selected national and local newspapers in the month of April/May and also displayed on University Website: www.dauniv.ac.in . Applications are downloaded or apply online from the website: mponline.gov.in .
- M.Tech (Regular) Admission: Merit on the basis of valid GATE Score and Qualifying Degree percentage
- Non GATE : Merit of Qualifying degree

R. Chaudhy
Coordinator

R. W.
Head

Head

School of Energy & Environmental Studies
Devi Ahilya Vishwavidyalaya
(Khandwa Road) Campus Indore - 452001