

## **ORDINANCE - 25**

### **Bachelor of Engineering (B.E.) and Bachelor of Technology**

The Faculty of Engineering shall offer Under Graduate Programs in different branches of Engineering as per details given below:

- (i) Bachelor of Engineering (B.E.)
- (ii) Bachelor of Technology (B.Tech.)

In following subjects:

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| 1. Agricultural Engineering                     | 15. Automobile Engineering              |
| 2. Food Technology                              | 16. Fire Technology and Safety          |
| 3. Biotechnology                                | 17. Industrial Engineering              |
| 4. Civil Engineering                            | 18. Mechanical Engineering              |
| 5. Computer Science and Engineering             | 19. Production Engineering              |
| 6. Electrical Engineering                       | 20. Environmental Engineering           |
| 7. Electrical and Electronics Engineering       | 21. Industrial Engineering & Management |
| 8. Control Engineering                          | 22. Textile Engineering                 |
| 9. Power System Engineering                     | 23. Aeronautical Engineering            |
| 10. Electronics Engineering                     | 24. Marine Engineering                  |
| 11. Electronics and Communication Engineering   | 25. Energy Engineering                  |
| 12. Electronics and Instrumentation Engineering | 26. Chemical Engineering                |
| 13. Nano-Technology                             | 27. Bio-Medical Engineering             |
| 14. Information Technology                      | 28. Mechatronics                        |

- (a) The University shall offer above courses as per guidelines of the All India Council for Technical Education (AICTE) / University Grants Commission (UGC) / State Govt. of MP / Central Govt. issued from time to time.
- (b) The medium of instructions and examinations shall be English throughout the course of studies, except for Certificate and Diploma courses where the student may be offered the choice of medium as Hindi.
- (c) All the rules and regulations as applicable to the Award of Grade and Grade Points, Attendance, Condoning of Deficiency, Award of Grace Marks, Award of Division and Merit List, Promotion to Higher Semester and Year etc. described in Ordinance – 4 shall be applicable in the current ordinance.
- (d) The Teaching and Examination Scheme shall be duly approved by the Board of Studies and Academic Council before execution and shall be according to the Ordinances, Rules and Regulations as specified, hereunder and elsewhere.

(e) The minimum duration to complete the course shall be that of Four (4) years and maximum up to Seven (7) years.

(f) Admission:

The eligibility for admission to the first year of B.E. / B.Tech. Courses shall be based on the Qualifying Examination / Entrance Test to be conducted at State or at National level. In addition, the University shall follow all the guidelines as given by the State / Central Government regarding admissions from time to time. Further, candidate appeared in the qualifying examination and awaiting the result may also apply and may be admitted provisionally. But, the admission shall be confirmed only after the declaration of the result and passing the examination and fulfilling the admission eligibility criteria within 30 days of admission.

In addition to above, the University will admit candidates directly in the second year i.e. third semester (lateral entry) of the B.E. / B.Tech. courses in accordance with the policies and norms of the State Government as applicable to the candidates who have passed the Diploma Course in related branches of Engineering from M.P. Board of Technical Education, Bhopal or duly recognised and equivalent from elsewhere.

Reservations and admissions to NRI / Foreign Students / Persons of Indian Origin (PIO) / Children of Indian Workers in the Gulf Countries and Management / Institute Preference Quota shall as per the policy laid down by Central government / State government of MP.

The reservations for SC / ST / OBC (excluding creamy layer) / Minority communities shall be as per the policy laid down by Central government / State government of MP.

(g) The Teaching Scheme:

The detailed Teaching Scheme and the Syllabus of the different subjects of courses shall be prepared by the Departmental Councils of the concerned departments keeping in view the Course Outcomes, Program Outcomes and Program Educational Objectives to prepare the Engineering Students with the expected Graduate attributes. These courses shall be revised every year, if required by the Departmental Council and approved by the Board of Studies and Academic Council respectively.

The University shall follow the UGC / AICTE guidelines and adopt the choice based credit system.

While finalising the Teaching and Examination Scheme of Under Graduate Studies, from First Semester to Eighth Semester, full care should be taken to see that the students after graduating from this University should be well recognised by the State and the Central Governments, Government of India Undertakings, National and Multinational companies for employability and Universities in India or abroad for Higher Education.

The Syllabi of the First and Second Semesters shall be capable of strengthening the fundamental concepts in Physics, Chemistry, Mathematics, Communication, Social Studies, Environmental Engineering and Core Engineering such as Electrical, Mechanical, Civil etc.

Students in Second Year and onwards have to study the courses pertaining to their respective branches of Engineering. Therefore, the Syllabi from Third to Sixth Semester should be designed and taught in such a manner that they learn the fundamentals and gather in-depth knowledge of their respective disciplines.

The last two semesters of the Final Year i.e. Seventh and Eighth semesters of studies are very crucial for the students as they get matured and start understanding the Technology. They need to gather more knowledge in their branches so that they may either go for higher studies or become employable in potential sectors such as the State or the Central Governments, Government of India Undertakings, National and Multinational companies. Keeping this requirement in mind, Seminars, Projects and Elective are being introduced in these semesters. The syllabus of the electives should be prepared in consultations with the academicians from IITs, NITs and / or professionals from industries.

(h) The Examination Scheme:

All the rules and regulations as applicable to the Award of Grade and Grade Points, Attendance, Condoning of Deficiency, Award of Grace Marks, Award of Division and Merit List, Promotion to Higher Semester and Year etc. described in Ordinance – 4 shall be applicable in the current ordinance.