

Guidelines for M.Tech in **Biomedical Instrumentation and Signal Processing** for Working Professionals

Criteria:

1. A student in the **three-year slow-paced program** is a professionally employed person (including the staff of Amrita University), who pursues the M. Tech. Programme while continuing the duties of his/her service.
2. The three year program is primarily targeted for **off-campus professionals** who are keen to acquire additional knowledge and skills in Biomedical instrumentation and Signal Processing.
3. The applicant must be an employee of a recognized organization and be engaged in professional work in the area to which admission is sought.
4. Candidates seeking admission to the M.Tech. program, who have not qualified GATE, will be selected based on interview and past academic performance.
5. The student must submit a **no-objection certificate from the employer** for this program.
6. The program structure and requirements must be fully obliged.

Features of the Program:

1. Class Schedule
 - a. A student can register for 3 to 4 courses in a semester.
 - b. Each course will have 45-50 lecture hours and 20 hours of assignment/practical load.
 - c. Students are encouraged to attend regular classes online. The classes will also be recorded for subsequent viewing. In addition, online contact hours will be scheduled in the evening (e.g., from 5 PM to 7 PM) or on weekends at a convenient time for interaction with the faculty.

2. Online Instruction

- a. Lectures will be webcast online and students will attend in a synchronous audio-visual mode.
- b. Recorded lectures and teaching material will be made available after the sessions.
- c. Course management and offline discussions will be enabled.
- d. **Attendance of online contact hours is mandatory.**

3. Contact Weeks

- a. There will be mandatory **4 contact weeks** in a **semester**.
- b. Students need to be present on campus (Amritapuri) during the contact weeks and attend lectures and discussion sessions with instructors and give a demonstration of practical assignments during the period.

4. Assessment

- a. Grading will be based on theoretical and practical examinations, online quizzes, and assignments.
- b. There will be two examinations conducted during the semester – Mid-term and End-term Examination.
- c. These two written examinations must be taken in-person at the nearest University campus.

5. Credit Requirement

- a. Students need to earn 68 credits as per the course structure to qualify for the degree M.Tech. (Biomedical Instrumentation and Signal Processing).
- b. The credits can be earned over a period of 3 years for Working Professionals.