



Mahatma Gandhi University, Kerala

(Abstract)

Centre for Professional and Advanced Studies – College of Engineering, Thodupuzha – B.Tech Course (2015 admission) – syllabus Revision of VI to VIII Semesters – Scheme, Syllabus and Model Question Papers Approved – Orders Issued.

---

---

**ACADEMIC AIV SECTION**

U.O. No. 6796/AIV/01/2018/Acad.

Priyadarshini Hills, Dated : 15/09/2018

---

---

- Read:-
1. U.O. No. 4967/AIV/1/2018/Acad dated 19/06/2018.
  2. Minutes of the Expert Committee Meeting held on 06/07/2018 & 02/08/2018.

**ORDER**

As per the reference read 1<sup>st</sup> above, an Expert Committee was constituted for revising the scheme and syllabus (VI to VIII Semester) of B.Tech course (2015 admission) of College of Engineering, Thodupuzha under CPAS affiliated to M.G. University. The meetings of the Expert Committee was held on 06/07/2018 and 02/08/2018 at the University headquarters and submitted the revised scheme, syllabus and model question papers for approval.

The recommendations made by the Expert Committee regarding the syllabus revision for all the five branches of B.Tech course are as listed below:

- 1) As per the scheme, semester VII contains 5 theory subjects, 2 labs along with project phase I and seminar. So semester VII seems to be a heavy load for the students. The course Industrial Design Studio-II is being omitted from the scheme. The credit (1) and the hours allotted for this course shall be reallocated to project.
- 2) The syllabus of subject comprehensive examination (SVII) of Electronics & Communication Engineering, Electrical & Electronics Engineering and Information Technology branches shall be restructured as given in the syllabus of Computer Science and Engineering branch.
- 3) For Electronics & Communication Engineering branch, the course EC 15 451 – Information Theory and coding (3-0-0) in the VIII Semester need to be made a core course in VIII semester, for the effective conduct of many experiments in EC 15 406 – Advanced Communication Lab in VII semester. This change may be made by exchanging the course EC – 15 451 – Information Theory and Coding (3-1-0) in the VIII semester with EC 15 402 – Optical communication system (3-0-0) in the VII semester.
- 4) For Electrical & Electronics Engineering branch, in semester VII, the course, EE 15 422 – Power Quality shall include IEEE standards of power quality in Module-1 and the course EE 15 407 – Power System lab -shall include E-tap, Mi-Power, PSCAD related experiment and VIII Semester shall include Solar PV Systems as an elective in VIII semester instead of EE 15 481 Electrical Estimation and Costing.

Regarding question papers, except for pure theory papers atleast 20-30% analytical question without options shall be ensured for the subject EE 15 361 HVDC.

- 5) For Computer Science and Engineering branch, as the present question paper pattern of CS 15 351 – Design and analysis of Algorithms is mainly descriptive, the pattern shall be changed so as to accommodate at least 50% analytical questions.
- 6) For Information Technology branch, one of the elective papers 'IT 15 413 PC Hardware' in semester VII is elementary and shall be omitted from the scheme. The committee suggested another course-either 'Software Defined Radio' or 'Machine Learning' instead of "PC Hardware" since these courses are more suitable and relevant for B.Tech IT.
- 7) For Polymer Engineering branch as the current question paper pattern given for MA 15 354 Chemical process and Reaction Engineering contains descriptive question only, the pattern shall be changed by incorporating 30-40% analytical questions.

The Professor who is in-charge of the Vice Chancellor, exercising the powers under section 10(17) of Chapter III, Mahatma Gandhi University Act 1985, has approved the above recommendations of the Expert Committee for revising the scheme, syllabus and model question papers of B.Tech (2015 admission) of College of Engineering, Thodupuzha.

The existing scheme and syllabus of the B.Tech course of College of Engineering, Thodupuzha stands revised to the above extent.

Orders are issued accordingly.

Sd/-

ASSISTANT REGISTRAR II (ACADEMIC)  
FOR REGISTRAR

Copy to:-

1. The P.S. to Vice-Chancellor/ Pro-Vice-Chancellor
2. P.A.to Registrar/Controller of Examinations/Finance Officer
3. Principal, College of Engineering, Thodupuzha
4. Chairman/Members, Expert Committee
5. Assistant Registrar/Deputy Registrar/Joint Registrar(Exam/Acad)
6. B.Tech(Exam) sections/CETEX/System Administrator/PRO sections
7. ACC.I & II/Content Management Section
8. Stock file/File copy/record sections

FORWARDED / BY ORDER

*Saihalan*

SECTION OFFICER