No: LII(2)/Engineering (Minors & Honours)/2025.

Visakhapatnam,
Date: 08-12-2025.

From: **The Registrar, AU.**

To

The Principals of AU Constituent and Affiliated Engineering Colleges,
Andhra University,
Visakhapatnam.

Respected Sir/Madam

Sub : Regulations for B.Tech Degree MOOCs Course - Minors & Honours for 2022-23 batch and from 2023-24 onwards - AU Constituent and its Affiliated Engineering Colleges - Reg.

Ref : 1. Note dated 28-11-2025 received from Dean, Academic Affairs, AU.
2. Proceedings of the Academic Senate No LII (2)/AUCE/153/2024, dated: 15-03-2024.
3. Minutes of Academic Senate dated 21-07-2025.
4. Orders of the Honourable Vice Chancellor dated 03-12-2025.

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With reference to the Proceedings under (2) cited, it is ordered for Implementation of Certain Guidelines for B.Tech Degree MOOCs Course - Minors & Honours for 2022-23 admitted batch and from 2023-24 onwards of AU Constituent and its Affiliated Colleges as follows:

Following are the guidelines for 2022-23 admitted batch B.Tech students vide AU Academic Senate Proceedings No. LII(2)/AUCE/153/2024 Dt. 15-03-2024 to fulfil the minimum requirement to get degree certificate and to get the degree certificate with minor. The minor degree credits are inclusive of the minimum credits (160 credits) required to get B.Tech degree. There is no need to obtain additional credits beyond 160.

1. To obtain the B.Tech degree, every student mandatorily has to complete one MOOCs course of not less than 8 weeks, but equivalent to 3 credits through Swayam/NPTEL/NASSCOM or any recognised platform, during the course duration of four years. The selected MOOCS course should not be a repetition course from the courses offered in the curriculum and registered by the candidate.

2. To obtain Minor degree in Computer Science and Engineering, all the students other than B.Tech (CSE) students have to complete the following courses during the course duration of 4-years through regular class work or MOOCs.

   a. Computer Programming and Numerical Methods (CPNM) (Mandatory)
   b. Python Programming (Mandatory)
   c. Any Two courses from the following.
      i. Artificial Intelligence & Machine Learning (Open Elective)
      ii. Data Science (Open Elective)

    iii. Cyber Security and Digital Forensics (Open Elective)
    iv. Database Management Systems (Open Elective)
    v. A MOOCs course from NPTEL related to CSE without repetition from subjects within the curriculum can be used in lieu of any of the above open electives (I to iv) with prior approval of the chairperson of BOS. The duration of the MOOCS should not be less than 12 weeks and equivalent to 3 credits and the certificate should be obtained after successful completion of proctored examination.

3. To obtain Minor degree in Electronics and Communication Engineering, students have to complete the following courses during the course duration of four years through regular class work or MOOCs.

    a. Digital Logic Design,   b. Microprocessors
    c. Any two courses from the following open electives.
       i. GPS principles and its applications
       ii. Mobile cellular Communication
       iii. Embedded system design
       iv. Information theory and coding
       v. Wireless sensor networks
       vi. Artificial neural networks

4. To obtain Honors degree, the eligible students have to complete 15 credits over and above the 160 credits from the same specialisation.

Under (3) cited above, it is considered to implement revised guidelines, scheme and syllabi for Minors and Honors (with 5 theory and 2 lab) in 4 year B.Tech Programme of III year I semester for the admitted batch 2023-2024 and II year II semester for admitted batch 2024-2025.

In view of the above prevailing norm, all the Principals and Heads of the Departments of Constituent and affiliated engineering colleges are directed to take appropriate measures to fulfil all the requirements to get major degree or major degree with minor or major degree with honours.

The Honourable Vice Chancellor has ordered all the Principals of the Constituent and affiliated engineering college are requested to submit the list of student registered for Minors and Honours from the 2022-23 admitted batch onwards to Dean PG Examinations & Controller of Examinations, AU on or before 20th of December, 2025 for taking necessary action.

Please treat this matter as urgent.

Yours faithfully,

DEPUTY REGISTRAR (ACADEMIC)

Copies to
1. The Dean of Academic Affairs, AU.
2. The Principal, AU College of Engineering (A).
3. All the Heads of the Departments of AUCE (A)
4. All the Chairman/Chairpersons of the Departments of AUCE (A)
5. The Chairperson, Faculty of Engineering, AUCE (A).
6. The Dean, PG Examinations, AU.
7. The Controller of Examinations, AU.
8. The Director, AU Computer Centre.
9. OC/OOF.