

**KIPM College of Engineering & Technology GIDA, Gorakhpur**  
**Department of Applied Sciences & Humanities**  
**B.Tech. First Year Session 2022-23**

**Notice**

Date: 30/06/2023

**MOOC Course in AKTU** – **MOOC** are known as **Massive open online courses** through which a large number of learners can enroll for the course from various prestigious institutes. Students can learn from highly skilled Professors working in the field for many years and develop their skills.

AKTU presented MOOC courses in their curriculum as online courses are increasing day by day. It enables thousands of learners to participate in the same course with high-quality content and interactive tools for learning. Mooc offers various courses in every field ranging from B.Tech to Agriculture, where students can enroll themselves and get certificates after completing.

AKTU has opted for AICTE Model Curriculum in which students has to get certain numbers of credits from online MOOCs course in the span of 4 years. AKTU brings MOOC courses into their curriculum so that learn a different thing and get benefit from it.

These MOOC course in AKTU are brought into the curriculum so that students can learn from prestigious institutes of the country, but MOOC courses can help students to get a B.Tech Honours degree.

**Also, Checkout [Ministry of Commerce is also offering Internship Opportunity](#) to students & Get Verified Internship Certificate From the Ministry of Commerce.**

#### **Eligibility for B.Tech Hons. degree in AKTU**

**After successful completion of 160 credits, a student shall be eligible to get Under Graduate degree in Engineering. A student will be eligible to get Under Graduate degree with Honours only, if he/she completes additional university recommended courses only (Equivalent to 20 credits; NPTEL Courses of 4 Weeks, 8 Weeks and 12 Weeks shall be of 2, 3 and 4 Credits respectively) through MOOC course in AKTU.**

After successful completion of these Moocs courses the students, shall, provide their successful completion NPTEL status/certificates to the University (COE) through their college of study only. The student shall be awarded Hons. Degree (on successful completion of MOOCS based 20 credit) only if he/she secures 7.50 or above CGPA and passed each subject of that Degree Programme in single attempt without any grace marks.

#### **List of NPTEL MOOC Course in AKTU 2021**

The proposed MOOC course in AKTU are common to all B.Tech. Branches as follows for 2021 Updated NPTEL Course (MOOCS Courses Hons. Degree) 2021, students can register for any course anytime in a span of 4 years of their degree and can get eligible for Hons degree if they meet the eligibility criteria.

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The following list of courses in which B.Tech students can enroll on NPTEL:-

1. **Algorithms for Big Data**
2. **C Programming and Assembly**
3. **Concepts of Thermodynamics**
4. **Data Analytics with Python**
5. **Data Science for Engineers**
6. **Design Analysis and Algorithm**
7. **Design of Reinforced Concrete Structures**
8. **Developing Soft Skills and Personality**
9. **Emotional Intelligence**
10. **Enhancing Soft Skills and Personality**
11. **Fundamental of Welding Science and Technology**
12. **Fundamentals of Conduction And Radiation**
13. **Google Cloud Computing Foundation Course**
14. **Introduction To Blockchain Technology And Applications**
15. **Introduction To Industry 4.0 And Industrial Internet Of Things**
16. **Introduction To Internet Of Things**
17. **Introduction To Robotics**
18. **Introduction To Embedded System Design**
19. **Manufacturing Process Technology I & II**
20. **Matlab Programming For Numerical Computation**
21. **Mechanics of Materials**
22. **Patent Law for Engineers and Scientist**
23. **Speaking Effectively**
24. **Structural Analysis**
25. **Many More.....**

**MOOCs (For B.Tech. Hons. Degree)**

**“Summer Internship (4-week) / NPTEL Course (4-week) during summer break After Semester-II and same will be assessed /evaluated in the Semester-III”**

AICTE Guidelines in Model Curriculum: After successful completion of 160 credits, a student shall be eligible to get Under Graduate degree in Engineering. A student will be eligible to get Under Graduate degree with Honours only, if he/she completes additional university recommended courses only (Equivalent to 20 credits; NPTEL Courses of 4 Weeks, 8 Weeks and 12 Weeks shall be of 2, 3 and 4 Credits respectively) through MOOCs. For registration to MOOCs Courses, the students shall follow NPTEL Site <http://nptel.ac.in/> as per the NPTEL policy and norms. The students can register for these courses through NPTEL directly as per the course offering in Odd/Even Semesters at NPTEL. These NPTEL courses (recommended by the University) may be cleared during the B. Tech degree program (not necessary one course in each semester). After successful completion of these MooCs courses the students, shall, provide their successful completion NPTEL status/certificates to the University (COE) through their college of study only. The student shall be awarded Hons. Degree (on successful completion of MOOCs based 20 credit) only if he/she secures 7.50 or above CGPA and passed each subject of that Degree Programme in single attempt without any grace marks.