

Salient Point of Curriculum Revision, 2021- NITW

NIT Warangal has revised the scheme and syllabus of all the programs with effect from current academic year 2021-22 by incorporating several guidelines of NEP-2020. The following are some of the highlights:

- 1) Promotion of branch specific curriculum right from the first year to accommodate the new courses in line with the developments taking place in science and technology relevant to the respective branch of study. Therefore, ***Branch Change facility after first year has been discontinued.*** Several benefits have been provided to the students as listed below.
- 2) Minor and Major degree programs are introduced so that the students can pursue their branch of interest as Minor degree and advanced courses of the parent department as Honors degree. With this facility, a student can earn Minor/Honors degree in addition to the B.Tech. by completing certain set of additional courses. For example, B.Tech in Electrical with Minor in CSE etc.
- 3) Customised basic science courses aligning with the requirements of the specific branch of engineering.
- 4) Micro credit courses, integrated courses (theory and lab combined) and institute level courses are introduced. More weightage is given for continuous assessment (60%) compared to the end semester assessment (40%)- thereby providing flexibility in assessment.
- 5) Summer Internship/EPICS (Engineering Projects in Community Services) is made mandatory. Provision for a semester long industrial internship during eighth semester is provided.
- 6) Mandatory Non-Credit Courses are introduced which are broadly related to wider aspects of learning like humanities, psychology, and social sciences.
- 7) Provision to study Foreign Languages have been included in the revised curriculum.
- 8) Promoting innovation among the first-year students by introducing courses like Design thinking, Design Studio, Joy of Electronics in some departments etc. Syllabus document may be consulted for details.
- 9) Overall, there is a stress on reduction of contact hours and encouragement of self-learning.
- 10) Exit options are given for both M.Tech., Integrated MSc and PhD programs.
- 11) Five years integrated M.Sc. programs in basic sciences have been introduced, with exit options at the end of the third and fourth years.
- 12) The science and Management departments have also started implementing outcome based education.