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VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous, ISO 9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade
NBA Accreditation for B.Tech. CE, EEE, ME, ECE, CSE, EIE, IT Programmes
Approved by AICTE, New Delhi, Affiliated to JNTUH, NIRF 127th Rank in Engineering Category
Recognized as "College with Potential for Excellence" by UGC
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ACADEMIC SECTION

VNR VJIET/ACADEMICS/2021-2022/C004

Date: 29.07.2021

CIRCULAR

Sub: List of NPTEL-SWAYAM Courses as Professional Electives in B.Tech. V semester (R19) and B.Tech. VII semester (R18) for the academic year 2021-2022 – Regarding.

With reference to the approval accorded in the 12th meeting of the Academic Council, following is the **list of equivalent NPTEL-SWAYAM courses** suggested by the respective Boards of Studies as an option to the Professional Elective courses offered in B.Tech. V semester (R19) and B.Tech. VII semester (R18) for the academic year 2021-2022.

| S. No. | B.Tech. Branch | Elective Group | Name of the MOOC | Duration | Start Date | Enrollment Closing Date |
|---------------------------------|----------------|----------------|---|----------|------------|-------------------------|
| B.Tech. V Semester (R19) | | | | | | |
| 1 | CE | PE-I | -- | -- | -- | -- |
| 2 | EEE | PE-I | -- | -- | -- | -- |
| 3 | ME | PE-I | -- | -- | -- | -- |
| 4 | ECE | PE-I | Mathematical Aspects of Biomedical Electronic System Design (IISc) | 12 Weeks | 26.07.2021 | 02.08.2021 |
| | | | Essential Mathematics for Machine Learning (IITR) | 12 Weeks | 26.07.2021 | 02.08.2021 |
| 5 | CSE | PE-I | Software Testing (IITB) | 12 Weeks | 26.07.2021 | 02.08.2021 |
| 6 | EIE | PE-I | Fabrication Techniques for MEMs-based sensors: clinical perspective (IISc) | 12 Weeks | 26.07.2021 | 02.08.2021 |
| 7 | IT | PE-I | -- | -- | -- | -- |
| 8 | AE | PE-I | -- | -- | -- | -- |
| 9 | CSBS | PE-I | Introduction to Machine Learning - IITM | 12 Weeks | 26.07.2021 | 02.08.2021 |

| B.Tech. VII Semester (R18) | | | | | | |
|-----------------------------------|-----|--------|--|----------|------------|------------|
| 1 | CE | PE-III | Foundation Engineering (IITKGP) | 12 Weeks | 26.07.2021 | 02.08.2021 |
| | | PE-IV | -- | -- | -- | -- |
| 2 | EEE | PE-III | Essential Mathematics for Machine Learning (IITR) | 12 Weeks | 26.07.2021 | 02.08.2021 |
| | | PE-IV | Introduction to internet of things (IITKGP) | 12 Weeks | 26.07.2021 | 02.08.2021 |
| 3 | ME | PE-III | Introduction to Mechanical Vibration (IITR) | 8 Weeks | 26.07.2021 | 02.08.2021 |
| | | PE-IV | Computational Fluid Dynamics (IITKGP) | 12 Weeks | 26.07.2021 | 02.08.2021 |
| 4 | ECE | PE-III | Fiber Optic Communication Technology (IITM) | 12 Weeks | 26.07.2021 | 02.08.2021 |
| | | | Introduction to internet of things (IITKGP) | 12 Weeks | 26.07.2021 | 02.08.2021 |
| | | | Introduction to Machine Learning (IITM) | 12 Weeks | 26.07.2021 | 02.08.2021 |
| | | PE-IV | -- | -- | -- | -- |
| 5 | CSE | PE-III | -- | -- | -- | -- |
| | | PE-IV | Deep learning-IIT Ropar | 12 Weeks | 26.07.2021 | 02.08.2021 |
| 6 | EIE | PE-III | Power Plant Engineering (IITR) | 8 Weeks | 26.07.2021 | 02.08.2021 |
| | | PE-IV | -- | -- | -- | -- |
| 7 | IT | PE-III | -- | -- | -- | -- |
| | | PE-IV | -- | -- | -- | -- |
| 8 | AE | PE-III | -- | -- | -- | -- |
| | | PE-IV | Finite Element Method: Variational Methods to Computer Programming (IITG) | 12 Weeks | 26.07.2021 | 02.08.2021 |

All the B.Tech. II year (R19) and B.Tech. III year (R18) students are given the option of choosing **EITHER**

- **Option 1:** NPTEL courses through SWAYAM platform as Professional Elective course (As shown in the table above) **OR**
- **Option 2:** Professional Elective course(s) in the curriculum offered by the respective department

Instructions to the students **OPTING** NPTEL-SWAYAM courses as Professional Elective:

1. Complete the registration of the chosen NPTEL-SWAYAM course on or before the enrollment closing date.
2. **MANDATORY for the student to submit details of the NPTEL-SWAYAM course opted and registered as Professional Elective, to the Department NPTEL Coordinator. If not submitted, it shall be deemed that the student is willing to pursue the Department offered Professional Elective courses.**
3. Successfully complete the NPTEL course as per the criteria laid by the NPTEL-SWAYAM agency
4. Upon successful completion of the course, marksheet and course completion certificate must be submitted to the Department NPTEL Coordinator.

Instructions to the students **NOT OPTING** NPTEL-SWAYAM courses as Professional Elective:

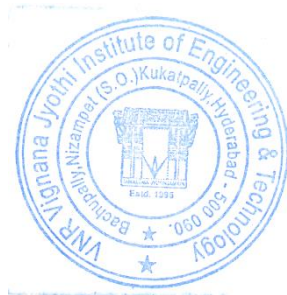
Students who do not opt for NPTEL-SWAYAM courses as Professional Elective courses shall be able to choose Professional Elective courses in the curriculum offered by the respective department during the next semester. Circular regarding the same shall be communicated soon.

You are requested to circulate the above information to the current B.Tech. II year and B.Tech. III year students.

You are also requested to submit the consolidated information of students who opt for the NPTEL courses to the Academic Section as well as Dr. K. Ravi Kumar, SPOC, NPTEL-Local Chapter, VNRVJIET on or before 05.08.2021.

K. Anurag

Dean, Academics



Chandrababu

Principal

Copy to:

All HoDs

Dr. K. Ravi Kumar, SPOC, NPTEL-Local Chapter VNRVJIET