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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, AME Programmes and  
M.Tech. - STRE, PE, AMS, SWE Programmes

Approved by AICTE, New Delhi, Affiliated to JNTUH, NIRF 2023: 101-150 Rank in Engineering Category  
Recognized as "College with Potential for Excellence" by UGC

Vignana Jyothi Nagar, Pragathi Nagar, Nizampet (S.O), Hyderabad - 500 090, TS, India.

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### ACADEMIC SECTION

VNR VJIET/ACADEMICS/2024-2025/C012

Date: 08.07.2024

### CIRCULAR

**Sub:** List of equivalent SWAYAM-NPTEL Courses as Professional Electives in **B.Tech. V semester** [III year I semester] (**R22**) for the academic year 2024-2025 - Regarding.

Following is the **list of equivalent SWAYAM-NPTEL courses** suggested by the respective Boards of Studies as an option to the Professional Elective courses offered in B.Tech. V semester (R22) for the academic year 2024-2025.

S. No.	B.Tech. Branch	Elective Group	Name of the MOOC	Duration	Course Start Date	Enrollment Closing Date
<b>B.Tech. V Semester (R22)</b>						
1	CE	PE-I	--	--	--	--
2	EEE	PE-I	--	--	--	--
3	ME	PE-I	--	--	--	--
4	ECE	PE-I	<b>Essential Mathematics for Machine Learning (IIT Roorkee)</b>	12 Weeks	22.07.2024	29.07.2024
			<b>Introduction to Operating Systems (IIT Madras)</b>	08 Weeks	22.07.2024	29.07.2024
5	CSE	PE-I	<b>Introduction To Internet of Things (IIT Kharagpur)</b>	12 Weeks	22.07.2024	29.07.2024
			<b>Digital Image Processing (IIT Kharagpur)</b>	12 Weeks	22.07.2024	29.07.2024
6	EIE	PE-I	--	--	--	--
7	IT	PE-I	<b>Introduction To Internet of Things (IIT Kharagpur)</b>	12 Weeks	22.07.2024	29.07.2024
			<b>Digital Image Processing (IIT Kharagpur)</b>	12 Weeks	22.07.2024	29.07.2024

8	AE	PE-I	--	--	--	--
9	CSBS	PE-I	--	--	--	--
10	CSE (AIML)	PE-I	--	--	--	--
11	CSE (CYS)	PE-I	<b>Introduction To Internet of Things (IIT Kharagpur)</b>	12 Weeks	22.07.2024	29.07.2024
			<b>Digital Image Processing (IIT Kharagpur)</b>	12 Weeks	22.07.2024	29.07.2024
12	CSE (DS)	PE-I	<b>Introduction To Internet of Things (IIT Kharagpur)</b>	12 Weeks	22.07.2024	29.07.2024
			<b>Digital Image Processing (IIT Kharagpur)</b>	12 Weeks	22.07.2024	29.07.2024
13	CSE (IOT)	PE-I	--	--	--	--
14	AI&DS	PE-I	<b>Introduction To Internet of Things (IIT Kharagpur)</b>	12 Weeks	22.07.2024	29.07.2024
			<b>Digital Image Processing (IIT Kharagpur)</b>	12 Weeks	22.07.2024	29.07.2024

All the B.Tech. V semester (R22) 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** SWAYAM-NPTEL courses as Professional Elective:

1. Complete the registration of the chosen SWAYAM-NPTEL course on or before the enrollment closing date.
2. **MANDATORY for the student to submit details of the SWAYAM-NPTEL 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. Complete the SWAYAM-NPTEL course successfully as per the criteria laid by the SWAYAM-NPTEL.
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** SWAYAM-NPTEL courses as Professional Elective:

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

You are requested to circulate the above information to the current B.Tech. IV semester 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, SWAYAM-NPTEL Local Chapter, VNRVJIET **on or before 31.07.2024**.

*K. Anurag*  
08/07/2024  
**Dean, Academics**

*Praveen*  
**Principal**

**DEAN, ACADEMICS**  
VNRC, VNR Vignana Jyothi Institute of  
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VNR Vignana Jyothi Institute of  
Engineering & Technology  
Pragathi Nagar, Nizampet(S.O)  
Hyderabad - 500 090

Copy to: All HODs with a request for circulate among B.Tech. IV semester students and also to visit Institute website for more details  
Dr. K. Ravi Kumar, SPOC, SWAYAM-NPTEL Local Chapter, VNRVJIET



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### ACADEMIC SECTION

08.07.2024

## CREDIT TRANSFER THROUGH SWAYAM-NPTEL

### GUIDELINES FOR PURSUING MOOCs

#### AS AN OPTION TO PROFESSIONAL ELECTIVE COURSES UNDER **B.TECH. R22 ACADEMIC REGULATION** EFFECTIVE FROM THE ACADEMIC YEAR 2024-2025

With reference to the resolutions passed in the 12<sup>th</sup> meeting of the Academic Council and 99<sup>th</sup> meeting of the Institute Academic Committee, Institute has implemented **Credit Transfer through SWAYAM-NPTEL** for professional elective courses **from the academic year 2021-2022**. Detailed guidelines for effective implementation of Credit Transfer through SWAYAM-NPTEL for professional elective courses are given below:

1. Credit Transfer through SWAYAM-NPTEL platform is **applicable only for Professional Elective courses** of the respective branches of **B.Tech. V, VI and VII semesters**.
2. Proposed MOOCs must be from SWAYAM-NPTEL platform.
3. Equivalency of MOOC to the professional elective course shall be defined by the respective Board of Studies.
4. Only **MOOCs** whose **course content matches atleast 80%** to that of **Professional Elective course** in the B.Tech. course structure shall be offered for selection by the respective departments.
5. Duration of the proposed MOOCs must be **either 8 Weeks or 12 Weeks**. MOOCs with 4 weeks duration are not eligible for credit transfer.
6. Respective departments shall display the list of equivalent MOOCs well before the start of semester for selection by the students.
7. Students of B.Tech. V, VI and VII semesters shall have the following options for pursuing professional elective courses:

**Option 1:** Professional Elective course(s) in the curriculum offered by the respective department

**OR**

**Option 2:** NPTEL courses through SWAYAM platform as Professional Elective course

**Option 1: Instructions** to the students **NOT OPTING** SWAYAM-NPTEL courses as Professional Elective:

Students who do not opt for SWAYAM-NPTEL MOOCs as Professional Elective courses **shall be able to choose Professional Elective courses in the curriculum offered by the respective department.**

**OR**

**Option 2: Instructions** to the students **OPTING** SWAYAM-NPTEL courses as Professional Elective:

❖ **Course Registration:**

1. A student **desirous of pursuing Professional Elective MOOC through SWAYAM-NPTEL** platform for credit transfer shall **complete enrolment (registration) of the chosen SWAYAM-NPTEL course on or before the enrolment closing date.**
2. **It shall be MANDATORY for the student to submit details of the Professional Elective MOOC opted and enrolled through SWAYAM-NPTEL, to the Department NPTEL Coordinator.**
3. Department shall allot a faculty mentor for the respective MOOC enrolled by the student.

❖ **Examination and Evaluation:**

4. It shall be the **responsibility of the student to complete exam registration in the SWAYAM-NPTEL portal for the opted Professional Elective MOOC before the deadline.**
5. Student shall pay the NPTEL Certification exam registration fee of Rs. 1000 per course.
6. Student pursuing the Professional Elective MOOC through SWAYAM-NPTEL for credit transfer, shall **submit the online assignments on time, attend the proctored examination conducted by the SWAYAM-NPTEL and successfully complete the chosen NPTEL course** as per the criteria laid.

7. Upon successful completion of the course, student must submit the marksheet and course completion certificate to the Department NPTEL Coordinator.

8. Evaluation pattern of MOOCs under SWAYAM-NPTEL is **25% for Online Assignments and 75% for Proctored Examination with total of 100 marks.**

A student shall be declared as **SUCCESSFUL IN NPTEL MOOC ONLY IF**

**AVERAGE ASSIGNMENT SCORE  $\geq 10/25$**

**EXAM SCORE  $\geq 30/75$  and**

**FINAL SCORE  $\geq 40/100$**

9. Evaluation pattern followed under B.Tech. R22 academic regulation is **40:60 (CIE:SEE)**. Scores secured by the student in MOOCs shall be converted to 40:60 evaluation pattern for equivalency and the letter grades shall be awarded as defined in the B.Tech. R22 academic regulation.

Example: Scores secured by a student in MOOC and scores awarded after conversion are given in the table below.

	<b>Awarded by SWAYAM-NPTEL</b>		<b>Awarded by VNRVJIET after conversion of scores to R22 evaluation pattern</b>
Online Assignments (25)	20	Online Assignments (40)	32
Proctored Examination (75)	45	Proctored Examination (60)	36
<b>Total Marks (100)</b>	<b>65</b>	<b>Total Marks (100)</b>	<b>68</b>

Scores secured after conversion of marks and the letter grades shall be reflected in the Marks Memo of the respective student along with the credits transferred.

10. In the event of a **student not completing the MOOC successfully** due to



- *dropping out of the online course in between the course duration **and/or***
- *not submitting the assignments before the deadline **and/or***
- *remaining absent for the proctored examination **and/or***
- *securing less than the minimum marks as defined by the SWAYAM-NPTEL for successfully passing the course*

then it shall be deemed that the **student has not secured the credits in the MOOCs through SWAYAM-NPTEL.**

11. For such students, a **supplementary examination in the failed MOOC shall be conducted by the College in the next semester** which shall be based upon the course content of the MOOC and as per the paper pattern prescribed under B.Tech. R22 academic regulation. Evaluation guidelines as mentioned in the VNR B.Tech. R22 academic regulation shall be applicable for such cases.

❖ **Important Points:**

12. A student can pursue **only 01 online course** in a semester as an option to **Professional Elective course for credit transfer.**
13. **Online course must be from SWAYAM-NPTEL platform.**
14. If a student does not submit details of the Professional Elective MOOC opted and enrolled through SWAYAM-NPTEL, to the Department NPTEL Coordinator then it shall be deemed that the student is willing to pursue the Department offered Professional Elective courses.
15. Credit transfer through SWAYAM-NPTEL shall be considered only if the student completes the opted Professional Elective MOOC successfully with minimum marks as defined by the SWAYAM-NPTEL.
16. Institute reserves the right to amend or modify these guidelines from time-to-time.
17. Decision of offering the online courses through SWAYAM-NPTEL for credit transfer shall rest with the Institute.

  
**Dr. C. D. Naidu**  
**Principal**  
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VNR Vignana Jyothi Institute of  
Engineering & Technology  
Pragathi Nagar, Nizampet (S.O.),  
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