

VNR VJIET – NPTEL Local Chapter

1. NPTEL:

NPTEL is an MHRD sponsored body to make available the Engineering knowledge on IT platform to all the eager students, faculty, researchers, scientists, industrialists etc global wide. With that initiative all the old IITs (7 no.) and IISc have jointly started recording the spoken materials from the eminent faculty on the recent updates in the respective domains/specializations. In the beginning only the major courses of engineering were recorded/pdf materials were prepared.

2. NPTEL Online Certification Courses (NOCs):

Later on to further improve the understanding of the participants on the subjects, to make more live interactions with the instructors of the subjects for clarification of the doubts and queries on the subject by the listeners/viewers of the courses, NPTEL started offering the online courses since 2014 with meagre exam fee of Rs. 1000 per course but registration is free for any number of courses to receive the materials freely. Every year the number of participants are increasing in these NPTEL Online Courses Certification (NOCs). For further giving more benefits/advantages to the serious participants, NPTEL started giving the Local Chapter status to the engineering colleges, universities, autonomous institutions etc in India so that all the serious participants from the institutes can avail the 50% fee waiver.

3. ‘NPTEL Local Chapter’ @ ‘VNR VJIET’:

VNR VJIET has opened ‘NPTEL Local Chapter’ in the campus with the consent of ‘NPTEL Office, IIT Madras’ on 19th Aug’2016. Dr. K. Ravikumar, Associate Professor, Department of Civil Engineering, is given the responsibility as a ‘Single Point of Contact (SPOC)’ [as a Institute Coordinator] between VNR VJIET and NPTEL, IIT Madras. As a institute SPOC, he has to pass on the initiatives taking by NPTEL to the faculty and students of VNR VJIET as and when announcements made by NPTEL Office. And also, he acts like nodal officer to put forth the concerns of all the participants to NPTEL Office.

For smooth and easy functioning of the entire process of participant’s registration and taking up the NOCs seriously till their final examinations, our respected Principal sir has allotted the department wise coordinators to coordinate with SPOC. So, there are totally 9 department coordinators coordinating with SPOC to continue with the activities institute such as making announcements in class rooms for giving awareness to students, discussing with their respective HODs to allot the mentor faculty to the respective department courses to provide mentoring to the needy students/participants during the course taking up till final exams. The contacting details (names and the e-mails ids) of the 9 department coordinators are displayed in the SAMSUNG screens in the institute and also announced in class rooms for clarification purpose.

List of all the coordinating faculty from each Department along with SPOC are given below:

Sl. No.	Department	Contacting Person/E-mail ID
1	SPOC	Dr. K. Ravikumar, Associate Professor, Department of Civil Engg, ravikumar_k@vnrvjiet.in
2	CE	G. Anuja, Asst. Prof, anuja_g@vnrvjiet.in
3	ME	Ch. Naveen Reddy, Asst. Prof, naveenreddy_ch@vnrvjiet.in
4	AE	P. Rakesh, Asst. Prof, rakesh_p@vnrvjiet.in
5	CSE	P. Tejaswi, Asst. Prof, tejaswi_p@vnrvjiet.in

6	ECE	P. Srinivasa Rao, Asst. Prof, srinivasarao_p@vnrvjiet.in
7	EIE	S. Bhargav, Asst. Prof, bhargav_s@vnrvjiet.in
8	EEE	O. Shobhana, Asst. Prof, sobhana_o@vnrvjiet.in
9	IT	R. VikramRaju, Asst. Prof, vikramraju_r@vnrvjiet.in
10	Humanities & Sciences	Dr. GVPN Srikanth, Asst. Prof, srikanth_gvpn@vnrvjiet.in

4. Results of NOCs during the Academic Year 2016-2017:

For the two semesters in academic year 2016-2017, faculty and students have participated in various NOCs and obtained certificates based on their performance in the respective courses. Details are given below.

Academic Year 2016-2017 (July to October 2016:Semester-I)

4.1 Overall Institute Results:

S. No.	Particulars	Number
1	Total Certified by NPTEL	22
2	Certified with 'GOLD' Medal (C.S \geq 90%)	--
3	Certified with Topper position	--
4	Certified with 'Elite' Grade (89% \geq C.S \geq 60%)	16
5	Certified with 'Successful Completion' Grade (59% \geq C.S \geq 40%)	6

* C.S – Consolidated Score in the course

4.2 Participants from each department:

Sl. No.	Department	Participants	
		Faculty	Students
1	CE	13	3
2	ME	--	4
3	AME	--	--
4	CSE	--	2
5	ECE	--	--
6	EEE	--	--
7	EIE	--	--
8	IT	--	--
Total		22	

Academic Year 2016-2017 (January 2017 to July 2017:Semester-II)

VNR VJIET could achieve the "AA" ranking based on the performance in NOCs by the students and faculty of the institute during the period from January 2017 to July 2017.



Mr. U.S. Hari Krishna, Assistant Prof, Dept of Civil Engg, receiving the 'AA' rating institute certificate for VNR VJIET from National Coordinator, NPTEL on 15th July 2017 at NPTEL Office, IIT Madras, Chennai.

NPTEL adopts certain formula to calculate the points to each institute based on the performance of the participants of the institute. Formula includes the total number of participants for the main exams, no of participants passed & successfully completed the course (score $\geq 40\%$), no of participants could get score $>60\%$ (Elite grade), no of participants could get $>90\%$ (Gold grade – gold medal symbol on certificate) and no of participants could make topper of the courses.

4.3 Number of Participants eligible during March 2017 Exams:

Sl. No.	Course Name	No. of certificates Eligible
1	Introduction to Airplane Performance	1
2	Life Cycle Assessment	1
3	Earth Sciences for Civil Engineering Part-2	1
4	Information Security-3	2
5	Design and Analysis of Algorithms	8
6	Programming, Data Structures and Algorithms using Python	49
7	Principles of Communication Systems Part-I	40
8	Matlab Programming for Numerical Computation	4
9	Engineering Mechanics: Statics and Dynamics	2
10	Introduction to Mechanical Vibration	1
11	Steam and Gas Power Systems	1
Total Participants		110

4.4 Number of Participants eligible during April 2017 Exams:

Sl. No.	Course Name	No. of certificates Eligible
1	Introduction to Ancient Indian Technology	1
2	Landscape Architecture and Site Planning Basic Fundamentals	1
3	Geo-synthetics and Reinforced Soil Structures	1
4	Digital Land Surveying and Mapping	3
5	Hydration, Porosity and Strength of Cementitious Materials	7
6	Introduction to Remote Sensing	2
7	Internetwork Security	4
8	Embedded Systems Design	2
9	Enhancing Soft Skills and Personality	2
10	Introduction to Fluid Mechanics	1
Total Participants		24

4.5 Overall institute results:

Sl. No.	Particulars	Number
1	Total appeared for the NOCs Exams	150
2	Total Certified by NPTEL	134
3	Certified with 'GOLD' Medal (C.S>>=90%)	2
4	Certified with Topper position	4
5	Certified with 'Elite' Grade (89%>=C.S>=60%)	75
6	Certified with 'Successful Completion' Grade (59%>=C.S>=40%)	55

* C.S – Consolidated Score in the course

4.6 Participants from each department:

Sl. No.	Department	Participants	
		Faculty	Students
1	CE	3	14
2	ME	--	4
3	AME	--	1
4	CSE	4	58
5	ECE	--	42
6	EEE	--	--
7	EIE	2	2
8	IT	--	1
9	HSS	3	--
Total		134	

5. Results of NOCs during the Academic Year 2017-2018:

VNR VJIET could achieve the “AA” ranking based on the performance in NOCs by the students and faculty of the institute during the period from July 2017 to October 2017.

Semester-I (July to October 2017):

5.1 Overall Institute Results Department wise:

	September Exam		October Exam		
Department	Faculty	Student	Faculty	Student	TOTAL
CE	6	3	8	27	44
ME	3	7	1	1	12
AME			1		1
CSE	19	56	3	23	101
ECE		38	2	23	63
EEE		3	1	3	7
EIE	1			0	1
IT				1	1
HSS	4				4
TOTAL	33	107	16	78	234