



## SWAYAM NPTEL

SWAYAM (Study Webs of Active-Learning for Young Aspiring Minds) MOOC Platform was developed indigenously by AICTE in 2016 to facilitate hosting of online courses which could be accessed by anyone, anywhere at any time free of cost to achieve three cardinal principles of Education Policy viz. access, equity and quality. SWAYAM as one of the World's biggest Massive Open Online Courses (MOOCs) integrated platform of free online courses, cover subjects from high school onwards till higher education including Skill based courses to ensure that every student benefit from learning material through ICT.

There has been a major paradigm shift in higher education in the recent years, from developing cognitive and non-cognitive skills within the confines of a classroom to technology based online learning, which is a flexible anyone, anytime, anywhere Platform with the advent of MOOCs. SWAYAM being the India Chapter on MOOC is rightly poised at this juncture to bring transformative changes in educational outcomes by extending reach and access to quality education at economical costs. SWAYAM has an educational as well as a technology aspect. It has been instrumental in bringing an amalgamation of educational and technology partners under one umbrella at a pan-India level. It is a big step towards accumulating knowledge and democratization of education. Nine National coordinators of Swayam are AICTE, CEC, IGNOU, IIMB, NCERT, NIOS, NITTTR, **NPTEL** and UGC.

NPTEL (National Programme on Technology Enhanced Learning), is a joint venture by seven Indian Institutes of Technology (Bombay, Delhi, Kanpur, Kharagpur, Madras, Guwahati and Roorkee) along with the Indian Institute of Science, Bengaluru, funded by the Ministry of Education (MoE) Government of India, to provide quality education to anyone interested in learning from the IITs. The main goal was to create web and video courses in all major branches of engineering and physical sciences at the undergraduate and postgraduate levels and management courses at the postgraduate level.

UGC and AICTE have issued guidelines whereby up to 40% of course credits can be obtained by taking courses on SWAYAM.

In this context, RV College of Engineering has been an active Local Chapter since 2015, with LC ID:239. RV College of Engineering has adopted NPTEL as part of the UG curriculum from



2018 scheme of all programmes. In 2018 scheme of syllabus, during the third year, (5<sup>th</sup> semester) of the programme, an Elective group was allotted to NPTEL courses. Here a student had to opt for a course from the set of NPTEL courses identified by the respective departments. These were 12 week courses for 3 credits. During the revision of the syllabus in 2021, MOOC courses are offered during the 4<sup>th</sup> and 5<sup>th</sup> semester, as part of the elective group. In 2021 scheme, students opt for 8 week NPTEL courses during their 4<sup>th</sup> semester and 5<sup>th</sup> semester.

NPTEL courses is formally introduced in PG curriculum in its 2022 scheme. This is as part of the Professional Development Program (PDP).

Apart from this, students who have opted for an additional degree B.E.(Honors), earn 18 credits through NPTEL courses. This is as per the guidelines given by Visvesvaraya Technological University (VTU). Students are also encouraged to take up and clear NPTEL course examination as part of Experiential Learning (EL) evaluation for the courses wherever applicable and possible.

Many faculty members also take up NPTEL courses regularly to improve upon their knowledge, skill sets and the latest technologies. It is found that learners at RVCE are regularly performing extremely well in these courses, at the National level. RVCE NPTEL local chapter is rated in AAA category during most of the semesters. Many students and faculty members are recognized by NPTEL as NPTEL STARS, based on the number of courses they have completed and the domain. Top performing students have also received paid Summer and Winter internship from different IIT's in India.

Following table depicts the brief statistics on the participation of learners from RV College of Engineering, along with the semester wise results.



## RV College of Engineering®

Mysore Road, RV Vidyaniketan Post,  
Bengaluru - 560059, Karnataka, India

Autonomous Institution  
Affiliated to Visvesvaraya  
Technological University,  
Belagavi

Approved by AICTE,  
New Delhi

principal@rvce.edu.in  
www.rvce.edu.in  
Tel: +91-80-68188110  
+91-80-68188111  
+91-80-68188112

Sl. No.	Semester	Present	Gold	Silver	Elite	Successfully completed	Toppers	Rating	Overall Position	Position in Karnataka
1	Jul-Oct 2016	21	1	-	16	3	3	A		
2	Jan-Apr 2017	55	4	-	27	15	3	A	63	2
3	Jul-Dec 2018	998	95	-	549	281	123	AAA	2	1
4	Jan-Apr 2018	209	12	-	140	51	38	AAA	17	1
5	Jul-Dec 2019	332	14	77	133	74	46	A	63	3
6	Jan-Apr 2019	1012	59	199	278	400	80	AA	11	1
7	Jan-Dec 2020	1381	160	515	334	150	181	AAA	5	1
8	Jan-Dec 2021	1695	117	676	495	190	225	AAA	8	2
9	Jan-Apr 2022	658	86	297	185	62	186	AA	13	1
10	July-Dec 2022	302	19	107	73	25	42	A	76	8
11	Jan-Apr 2023	1507	367	618	330	113	400	AAA	3	1
12	July-Dec 2023	1697	135	374	536	350	267	AA	16	2