

Provision to watch MOOCS Courses through Swayam

Des.Doc. - 30



AAA

COLLEGE OF ENGINEERING & TECHNOLOGY

(Accredited by NBA (CSE,EEE,ECE & MECH) and NAAC with 'A' Grade.

An ISO 21001: 2018 Certified Institution

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Amathur, Sivakasi-626 005

SWAYAM – NPTEL

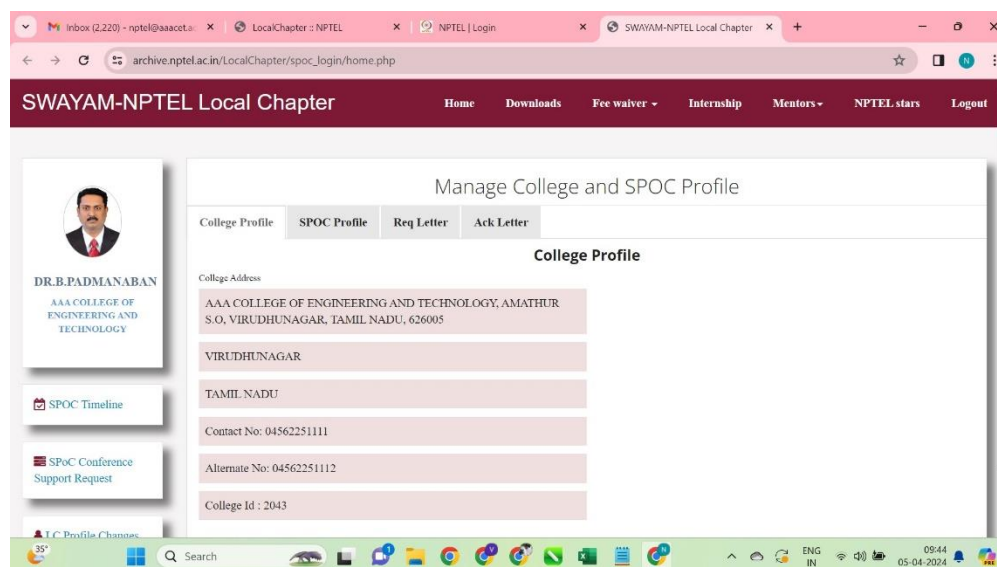
NPTEL is an acronym for **National Programme on Technology Enhanced Learning** which is an initiative by seven Indian Institutes of Technology (IIT Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee) and Indian Institute of Science (IISc) for creating course contents in engineering and science. NPTEL provides E-learning through online Web and Video courses in Engineering, Science and humanities streams.

SWAYAM (Study Web of Active Learning by Young and Aspiring Minds) is the National MOOCs (Massive Open Online Courses) portal being developed by Ministry of Human Resource Development, Govt. of India and designed to achieve the three cardinal principles of Education Policy viz., access, equity and quality. The objective of this effort is to take the best teaching learning resources to all, including the most disadvantaged. SWAYAM seeks to bridge the digital divide for students who have hitherto remained untouched by the digital revolution and have not been able to join the mainstream of the knowledge economy.

NPTEL is the official SWAYAM national coordinator for engineering. All NPTEL online certification courses are SWAYAM courses too and they are available on the SWAYAM platform as well.

SWAYAM-NPTEL local chapter at AAACET

AAACET was recognized as SWAYAM-NPTEL local chapter for online courses under IIT Chennai on 30th July, 2018. The main objective of SWAYAM – NPTEL local chapter is to encourage the faculty and students from all the departments to participate in this initiative. SWAYAM is an instrument for self-actualization providing opportunities for a life-long learning. Courses delivered through SWAYAM are available free of cost to the learners. In this platform learners can choose from thousands of courses that are available in the portal. All the courses are interactive, prepared by the best teachers from IIT's, IISc and other top Universities/Colleges in the country. Student can also transfer the credits earned by taking these courses into their academic record.



Activities at AACET-Swayam Local chapter

- NPTEL Awareness Program are conducted in each semester to motivate the students and faculties to register for NPTEL courses.
- AACET students and faculties eagerly participate in the Swayam-NPTEL courses and get certificates from various IIT's.
- July-December 2018---233 learners enrolled and get benefited.
- January-April 2019---107 learners enrolled and get benefited.
- July-October 2019---171 learners enrolled and get benefited.
- January-April 2020---204 learners enrolled and get benefited.
- January-December 2021---224 learners enrolled and get benefited.
- July-October 2021---171 learners enrolled and get benefited.
- July-December 2021---81 learners enrolled and get benefited.
- January-April 2022---338 learners enrolled and get benefited.
- July-December 2022---94 learners enrolled and get benefited.
- January-April 2023---506 learners enrolled and get benefited.
- July-December 2023---94 learners enrolled and get benefited.
- Jan-April 2024---83 learners enrolled and get benefited.

Many students and faculty were awarded with Elite Certificate and Elite silver Certificate from various IIT's. These certificates will be of great help to the students during their placement interviews and for their higher studies.

Acad emic Year	Seme ster	CIVIL		CSE		ECE		EEE		MECH		S & H	
		Fac ulty	Stud ents	Fac ulty	Stud ents	Fac ulty	Stud ents	Fac ulty	Stud ents	Fac ulty	Stud ents	Fac ulty	Stud ents
2018 -2019	ODD	1	2	-	2	2	-	1	-	2	1	-	-
	EVEN	-	-	1	-	3	1	4	1	-	1	1	-
2019 -2020	Comb ined	-	-	2	-	-	-	2	2	-	-	-	-
2020 -2021	ODD	-	-	-	-	1	4	-	-	-	-	1	-
	EVEN	-	-	1	-	3	-	-	-	-	-	-	-
2021 -2022	ODD	-	-	-	5	1	2	-	1	-	-	-	-
	EVEN	-	-	-	7	-	-	-	-	-	-	-	-
2022 -2023	ODD	1	1	-	8	-	1	2	-	-	-	-	-
	EVEN	2	1	-	-	-	-	1	10	-	-	-	-
2023 -2024	ODD	-	3	-	3	-	5	-	7	1	1	1	-
	EVEN (Waiti ng for the result s)												
Total		4	7	4	25	10	13	10	21	3	3	3	0
		103											

GOOGLE CLASSROOM

All the faculty members of AAACET use Google Classroom extensively for teaching learning process. AAACET has subscription to G-Suite from Google. With simple setup and integration with G Suite for Education, Classroom streamlines repetitive tasks and makes it easy to focus on what teachers do best teaching. With Classroom, teachers and students can sign in from any computer or mobile device to access class assignments, course materials, and feedback.

Google Classroom combines Google Drive for assignment creation and distribution, Google Docs, Sheets and Slides for writing, Gmail for communication, and Google Calendar for scheduling. Students can be invited to join a class through a private code. Each class creates a separate folder in the respective user's Drive, where the student can submit work to be graded by a teacher. In short, Google Classroom offers a one-stop platform for facilitating digital production, workflow, and communication between teachers and students. Like other Google apps, it is available for free to schools, has no ads, and never uses student or teacher content for advertising purposes.

Use of Google classrooms ensure that teaching and learning process goes beyond classrooms with a 24x7 access. With this, faculty can track student progress to know where and when to give extra feedback. With simplified workflows, more energy can be focused on giving students constructive, personalized recommendations.

For all the subjects the Syllabus, Lesson plan, teaching materials, Video materials, Question banks are uploaded in Google class room by our faculties. Lectures can be scheduled by the faculty according to time table. Internal exams are conducted through Google class room and the concerned faculty evaluate the answers scripts of the students allot the marks. Revision classes are also conducted for all units before the final University Semester exams by providing Quiz and assignments to the students in the google classrooms. By embedding forms, feedback is collected from each student and that will be helpful for faculties to make corrections in the next sessions. By inviting other faculty members as co-teacher, concerned faculty can also get feedback on the quality of the materials posted in the Google Classroom. As a Co-teacher, reviewing of the progress of the course can be done by the Academic Auditor and Head of the Department.

Apart from Google classrooms, AACET also has introduced **Moodle** learning platform to provide educators, administrators and learners with a single robust, secure and integrated system to create personalized learning environments.

Testimonials by students about Google class rooms:

Mr. Gunaseelan, IV MECH

Google classroom is one of the best platforms to connect our faculty with us. During the quarantine period our college conducted live sessions, internal exams, Quiz and Tutorials by using Google classroom. It was very helpful to us for the preparation of upcoming university exams to score very good marks.

Mr. T.Ajay Vishaal, IV EEE

During the lock down period, the uncovered portions of the University syllabus was covered by our faculties using Google classroom. Google Platform served as a best source for online teaching during the lockdown period and our faculties constantly provided the supporting materials and lectures for the entire syllabus.

LIBRARY

Vision

To support the institution and its stakeholder by providing seamless access to a diverse range of materials, both in print and electronically and services critical to research, education, and outreach

Mission

- To establish a strong library linkage with other academic institutions and major library consortiums in the country.
- To provide the best of contemporary and traditional research tools, unique local resources, and state of the art facilities to the student community
- To provide our students with the necessary information for achieving highest academic excellence and to help them acquire research skills necessary for lifelong learning.

In AAACET, the library occupies a prominent position and it is an important and integral part of the teaching programme. It is not merely a depository of books, but an active workshop instrument in the production of creative and original thinking. Our College library extends opportunities for self-education to the deserving and enthusiastic students without any distinction. It develops in each student a sense of responsibility in the pursuit of knowledge. Also, it stimulates the students to obtain, evaluate and recognize knowledge and to familiarize themselves with the trends of knowledge for further education and learning new disciplines.

Objectives:

1. To provide resources both in print and electronically necessary for research in the field of interest to the college/
2. To help the students and faculty updating their knowledge about the current trends and developments in his field of interest
3. To provide library facilities and services necessary for the success of all formal programmes of the institution;

4. To provide peaceful reading environment for reading.
5. To enable life long learning for both students and faculties.

AAACET library provides all the necessary textbooks and allied reading materials relevant to the courses offered in the colleges for the students. Our Library provides supplementary books and other reading materials to help the faculty to study and teach at the college. It also provides a comprehensive selection of authoritative books and documents needed by the faculty members to pursue their research programmes.

Library Automation system:

AAACET central library is automated using ROVAN LMS a multi user system that can function on intranet or internet. ROVAN LMS- Library Management system helps to manage all the functions of our library. It helps to manage resources in the library and serve the students better. The various functions integrated in the LMS are: Acquisition, catalogue, serials, OPAC, E- Gate, Circulation and Administration.

Digital Library system

Digital library system was been established in AAACET with 10 computer system with 300 Mbps internet connection. Wi-fi facility has provided for laptop users. All the students and faculty are provided with Bar coded identity cards for accessing the library.

E- Learning Resources are available in our Central library:

- AAACET is an Institutional member of DELNET.

DELNET has been established with the prime objective of promoting resource sharing among the libraries through the development of a network of libraries. It aims to collect, store, and disseminate information besides offering computerized services to users, to coordinate efforts for suitable collection development and also to reduce unnecessary duplication wherever possible.

- ASTM Digital Library
- AAACET Library has subscribed to J-Gate Open Access E-Journals. J-Gate is the largest E-Journal gate way with 51 Million + Indexed Articles & 47,000 + Journals covered.

- National Digital Library (for accessing E-Books, E- Journals)
- Institute of Electrical and Electronics Engineers (IEEE online E-Journal)
- Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE Journals)
- More than 12,000 volume Books are available.
- Shodhganga - A reservoir of Indian Theses.
- Shodhshindu- Consortia for Higher Education E- Resources.
- Subscription of E-Resources (IP based access)
- SWAYAM_NPTEL Local chapter:

NPTEL has been offering self-study courses across engineering, humanities and science streams for more than a decade. NPTEL has offering online certification for its courses, the highlight being the certification exam through which the students get an opportunity to earn a certificate from various IITs.

- Faculty thesis report and Student Project report
- Faculty publication in SCI Journal, Scopus Indexed Journal
- GATE Exam, IAS Exam, IES Exam and other competitive Exam books are available.

Magazines:

- Electronics for you
- Vijaya Bharatham
- Engineering Success Review
- Competition Success Review

News Papers:

- The Hindu
- The New Indian Express
- The Hindu (Tamil)
- Dinamani
- Dinamalar
- Employment news
- Times of India
- Kuttijapan Sivakasi Monthly news paper
- Madurai Mani

Following location are utilized to watch MOOCs through SWAYAM

Digital Library

