



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506015, TELANGANA, INDIA

కాకతీయ ప్రొటోగికి ఎవ్ విజ్ఞాన సంస్థాన, వరంగల - ౪౦౬౦౧౪, తెలంగానా, భారత

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - ౫౦౬ ౦౧౫ తెలంగాణ, భారతదేశము

(An Autonomous Institute under Kakatiya University, Warangal)

(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)

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SWAYAM-NPTEL-MOOCs



Prof. I/c : M.Sreelatha
Dept. of E&I Engg



Swayam-NPTEL SPOC:
Dr. D. Venu
Dept. of ECE

Vision:

Empowering learners through accessible, high-quality education to foster innovation, excellence, and social impact.

Mission:

1. To provide accessible, high-quality education to empower learners and foster innovation.
2. To cultivate a culture of continuous learning and skill development, promoting personal growth and societal impact within our institution.

Objectives:

The objectives combine the specific strengths of both Swayam and NPTEL to provide a comprehensive approach to achieving the overall vision and mission.

1. **Accessibility:** Ensure access to high-quality educational resources for learners across India, regardless of geographical location or socio-economic background.
2. **Quality:** Offer courses developed and taught by experienced faculty members from premier Indian institutions and industry experts, maintaining high academic standards.

3. **Scalability:** Scale up the platform to accommodate a diverse range of courses spanning various disciplines, catering to the evolving needs of learners.
4. **Affordability:** Provide courses free of cost, making education more affordable and accessible to a wider audience.
5. **Flexibility:** Offer flexibility in learning schedules and formats, allowing learners to balance their education with other commitments.
6. **Certification:** Issue certifications upon successful completion of courses, enhancing learners' credentials and employability prospects.

Functions:

1. Platform Management: Manage the Swayam-NPTEL platform, ensuring its smooth operation and user-friendly interface.
2. Content Delivery: Deliver course materials, including video lectures, reading materials, assignments, and assessments, through the online platform.
3. Assessment and Certification: Conduct assessments and provide certifications to learners who successfully complete the course requirements.
4. Community Building: Foster a sense of community among learners through discussion forums, webinars, and other collaborative activities.
5. Feedback and Improvement: Gather feedback from learners and instructors to continuously improve course offerings and platform features.

Number of NPTEL Certifications under KITSW Local Chapter:

Course Run	Present	Gold	Elite	Silver	Successful	Participation	Topper	Rating	NPTEL Stars
Jul-Dec 2023	1249	13	390	128	343	375	39	A	Stars :: NPTEL
Jan-Apr 2023	489	8	159	62	141	119	24	Active	Stars :: NPTEL
Jul-Dec 2022	211	3	79	43	40	46	12	Active	Stars :: NPTEL
Jan-Apr 2022	131	3	44	22	32	30	6	Active	Stars :: NPTEL
Jul-Dec 2021	122	1	40	16	36	29	4	Active	Stars :: NPTEL
Jan-Apr 2021	110	4	33	25	25	23	6	-	-
Jan-Dec 2020	275	4	94	50	58	69	11	Active	Stars :: NPTEL
Jul-Dec 2019	214	6	76	41	44	47	11	-	-
Jan-Apr 2019	137	7	33	42	44	11	9	Active	-
Jul-Oct 2018	8	0	3	0	4	1	1	Active	-
Jul-Dec 2017	3	0	2	0	1	0	-	-	-
Jan-June 2017	1	1	0	0	0	0	1	-	-
Jan-June 2014	1	0	0	0	1	0	-	-	-

Achievements:

1. Swayam-NPTEL recognizes KITS as valuable local chapter with rating "A"-[Top 100 Local Chapters - Jul-Dec 2023 - Google Drive](#).
2. Swayam-NPTEL recognizes KITS as "Best Faculty Performance" based on performance in NPTEL Online Certification Courses-Jan-Apr,2023 Semester.
3. Since 2018 KITS is an Active Local Chapter.
4. The count of NPTEL Stars has been steadily rising every semester.

Details of the department SWAYAM/NPTEL faculty coordinators:

S.No.	Department	Faculty Name	Designation	Mobile number/email id
1.	CE	Ms. K. Manasa	Assistant Professor	8008232651 / <kms.ce@kitsw.ac.in>
2.	ME	Sri. S. Anil Kumar	Assistant Professor	7989919772 / <sak.me@kitsw.ac.in>
3.	EIE	Mrs. Nirmala Devi	Associate Professor	9849499242 / <rnd.eie@kitsw.ac.in>
4.	EEE	Dr. A. Rajasekhar	Assistant Professor	8374932678 / <ars.eee@kitsw.ac.in>
5.	CSE	Dr. P. Vijay Kumar Reddy	Associate Professor	8897971827 / <vijay.cse@kitsw.ac.in>
6.	ECE	Dr. S. Uma Maheshwar	Associate Professor	9866431000 / <sum.ece@kitsw.ac.in>
7.	IT	Mrs. SB. Swathi	Assistant Professor	8639049713 / <sbs.it@kitsw.ac.in>
8.	CSN	Sri. D Ramesh	Assistant Professor	9491320100 / <dr.csn@kitsw.ac.in>
9.	MBA	Sri. K. Jaipal	Assistant Professor	9704053318 / <jaipal.katukam@kitsw.ac.in>
10.	M&H	Sri. E Ranjith Kumar	Assistant Professor	9441260089 / <erk.mh@kitsw.ac.in>
11.	PSS	Dr. K Rajendra Prasad	Assistant Professor	6303115837 / <krp.pss@kitsw.ac.in>

Highlights of Major Activities:

- Every year, the student induction program introduces incoming students to additional learning opportunities, giving them a chance to excel in their academic journey.
- CREDIT TRANSFER: Self -Learning: B. Tech students can fulfil their Professional Elective (PE) or Open Elective (OE) course requirements by either attending departmental classes or completing an equivalent SWAYAM-NPTEL MOOC online, with the credits earned from the MOOC counting towards their degree.
- ACCELERATION PROGRAMME (AP) FOR V & VI SEMESTER STUDENTS: The Acceleration Programme allows pre-final year students to get a head start on their final year by completing courses through SWAYAM-NPTEL MOOCs alongside their V and VI semester studies. This can free up valuable time in their final year to focus on internships, projects, or other career-building activities.
- SELF LEARNING (SL) FOR B.TECH VII & VIII SEMESTER STUDENTS : In the Self-Learning (SL) program, final year B.Tech students can choose to complete their coursework (excluding labs and major projects) independently through SWAYAM-NPTEL MOOCs during semesters VII and VIII.

Best Practice:

- Sensitization on Additional Learning: During the annual student induction program, each department dedicates time to educate new students on the diverse range of additional learning opportunities available to them.

- Faculty Mentors for Credit Transfer: To ensure a smooth learning experience, students opting for online courses for credit transfer are assigned dedicated faculty mentors who provide ongoing support and guidance.

Outcomes:

After utilizing this facility, students with **NPTEL certification**, will be able to

- gain a more thorough understanding of a chosen field within the major area of study (honours) or a focused knowledge base in a different subject (minor).
- Stand out from other graduates by demonstrating a deeper commitment and expertise in a particular area. This can be attractive to employers seeking specialized skills.
- develop Research and Critical Thinking Skills highly valued by employers and graduate programs
- explore a different field of study, potentially revealing hidden interests or unexpected career paths leading to a more diverse skillset that can be valuable in the workplace.
- demonstrate dedication, perseverance, and ability to handle a challenging academic workload.
- balance the additional coursework of an honours or minor program with regular studies with strong time management skills.