



Sai SAI RAM INSTITUTE OF TECHNOLOGY

An Autonomous Institution | Affiliated to Anna University & Approved by AICTE, New Delhi
Accredited by NBA and NAAC "A+" | An ISO 9001:2015 Certified and MHRD NIRF ranked institution
Sai Leo Nagar, West Tambaram, Chennai - 600 044. www.sairamit.edu.in



BEST PRACTICE - 2

1. Title of the Practice

Video Classes for Engineering Students

2. The Context

Student should visualize the operation or the concept correctly when they are studying through book. For that they must have seen the operation at least once in real time through presentations or through hands-on experience.

An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of the engineering solution in global, economic, environmental, and societal contexts.

3. Objectives of the Practice:

Videos are more appealing for learners, it is actually more effective. This might be because video engages multiple senses (audio and visual), which leads to stronger mental connections and long-term retention. This learning has positive outcomes on multiple levels, including increased motivation and deeper learning, and can specifically impact students' ability to facilitate discussions and identify problems.

The primary reason people learn well via video is because the human brain processes videos 60,000 times faster than it does text, according to a Psychology. Videos increase student engagement, which in turn helps boost achievement. If students are interested in the material, they will process and remember it better.

4. The Practice

Video class practice starts from the third semester to eight semester students. This session was conducted by the concerned faculty and their team from each department. This team member planned a video class session for second, third and final year students. The team scrutinizes videos for all three year students based on the recent, advanced technologies in modern industries and environmental issues etc. scheduled for a particular semester / year and get approval from the head of the department concerned.



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Before conducting the video class concern team members go through these videos that help fully to clarify the doubts of the students during session, and prepare the set of multiple choice questions and evaluate them through using menti meter. The best observers of students are (based on Menti meter scale) appreciated on stage for the purpose of motivation. Finally conduct the feedback session about this video session.

From this practice students know and observe the various ranges of technologies utilizing modern industries. This will improve their knowledge in various technology skill sets developed among the students to meet requirements of the changing industrial needs.



5. Obstacles faced/Problems encountered:

- 1) Smart class room availability and playing video can use a lot of bandwidth and take time to load
- 2) Too much video information can be overwhelming and may cause students to lose focus.
- 3) The effective team members are essential to selecting the videos and preparing multiple choice questions and monitoring this whole session.

6. Impact of the Practice/Evidence of Success:

Students responded effectively to learn the emerging challenges, modern technologies, opportunities and development towards the industrial



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requirements.

Video is beneficial to teachers and learners, stimulating stronger course performance and affecting student motivations, confidence and attitudes positively.

Through videos, students get to process information fast. Videos just like animation tell a story about how a particular process occurs. There is no reading, it is all watching. Abstract concepts that are difficult to understand in any other way are learned by watching student perform or demonstrate the process.

S.No	Student Name	Student Id	Registration No	Seat Number	Signature
1	AKASH B	SRI19ME001	412419114003	12	[Signature]
2	CHAIKUNAMURTHY S	SRI19ME003	412419114006	12	[Signature]
3	CHANDRAMOHAN B	SRI19ME004	412419114007	12	[Signature]
4	HARI KESHAVA B	SRI19ME005	412419114010	12	[Signature]
5	KISHU B	SRI19ME006	412419114011	12	[Signature]
6	KOUSIK NARAYANAN R	SRI19ME008	412419114017	116	[Signature]
7	KRISHNA S	SRI19ME009	412419114018	12	[Signature]
8	KRISHNA S	SRI19ME010	412419114019	12	[Signature]
9	MAHAALAKSHMI R	SRI19ME011	412419114020	12	[Signature]
10	MAHAALAKSHMI R	SRI19ME014	412419114020	12	[Signature]
11	MAHARAJAN S	SRI19ME015	412419114021	12	[Signature]
12	MCHAMED YOUSUF A KR	SRI19ME018	412419114024	13	[Signature]
13	MAHESH K	SRI19ME019	412419114025	13	[Signature]
14	MAHESH K	SRI19ME020	412419114026	13	[Signature]
15	SARAVANA DIVAKAR K	SRI19ME027	412419114033	12	[Signature]
16	RAJESH K	SRI19ME028	412419114034	12	[Signature]
17	SRINATH MALOLAN M	SRI19ME011	412419114034	12	[Signature]
18	SURVASH	SRI19ME046	412419114039	12	[Signature]
19	SURYAPRAKASH T	SRI19ME014	412419114039	12	[Signature]
20	SWAMINATH S	SRI19ME021	412419114042	12	[Signature]
21	VENKATESAN R	SRI19ME044	412419114044	14	[Signature]
22	VENKATESAN R	SRI19ME045	412419114044	14	[Signature]
23	VENKATESAN R	SRI19ME046	412419114044	14	[Signature]
24	M.SURAJAN	SRI19ME01	412419114052	12	[Signature]
25	VISHNUPRIYAN	SRI19ME02	412419114059	12	[Signature]
26	VISHNUPRIYAN	SRI19ME03	412419114059	12	[Signature]
27	ADARSH	SRI19ME04	412419114060	12	[Signature]
28	AFRIDI SHEIKH M	SRI19ME047	412419114062	12	[Signature]
29	ARUNKUMAR B	SRI19ME05	412419114063	12	[Signature]
30	ARUNKUMAR B	SRI19ME06	412419114063	12	[Signature]
31	ARUNKUMAR B	SRI19ME07	412419114063	12	[Signature]
32	ARUNKUMAR B	SRI19ME08	412419114063	12	[Signature]
33	GANESH M	SRI19ME09	412419114063	12	[Signature]
34	GANESH M	SRI19ME10	412419114063	12	[Signature]
35	GANESH M	SRI19ME11	412419114063	12	[Signature]
36	GANESH M	SRI19ME12	412419114063	12	[Signature]
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53	GANESH M	SRI19ME29	412419114063	12	[Signature]
54	GANESH M	SRI19ME30	412419114063	12	[Signature]

Videos can bring the outside world to students, introducing different cultures, new places and ideas. They provide a great way to integrate new content and language learning at the same time – giving students the opportunity to learn about a whole range of subjects and ideas, at the same time as learning English.

7. Resources required:

One system administrator, smart class room, team members to maintain the video content (library) and video play

Contact Details

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