



## 7.1.1 Gender Equity

Equal opportunities are given to both the genders in terms of admissions, employment, training programmes, sports activities etc., and so gender issues do not arise.

Girls and boys participate in various co-curricular activities such as paper presentations, organization of contests, group discussions and technical quiz programmes.

Both boys and girls are made members of various clubs associated with academic, co-curricular and extracurricular activities.

All facilities are provided in the campus to ensure that both the genders are able to utilize all the infrastructure and opportunities for their development.

### Year wise number of girl students admitted in the institution

Year	Girls	Total
2019-20	153	456
2018-19	607	1518
2017-18	1028	2530
2016-17	1060	2580
2015-16	1080	2654
2014-15	976	2332
2013-14	836	1965
2012-13	732	1677

### 1. Gender equity promotion programs

Number of gender equity programs organized by the institution during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
5	1	1	2	3

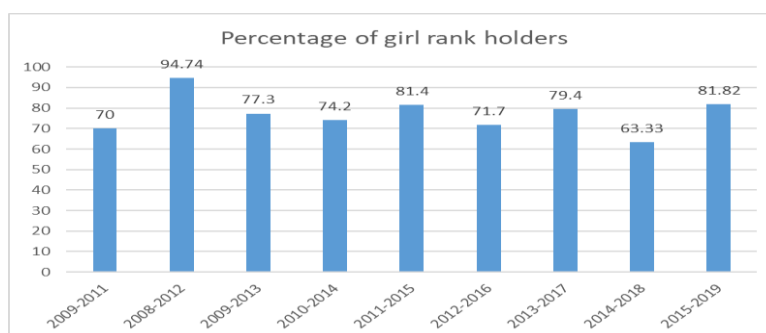


Year	Title of the programme	Date and Duration (from-to)	Number of participants by Gender	
			Male	Female
2014-15	International Women's day	08/03/15 and 1 day	Nil	1326
2015-16	International Women's day	08/03/16 and 1 day	Nil	1570
	Women's Entrepreneurship	10/03/16 and 1 day	Nil	16
	Guest lecture on "Personal hygiene"	03/02/16 and 1 day	Nil	1000
2016-17	International Women's day	08/03/17 and 1 day	Nil	1508
	Women's Forum	31/08/17 and 1 day	Nil	203
2017-18	International Women's day	08/03/18 and 1 day	Nil	1028
2018-19	International Women's day	08/03/19 and 1 day	Nil	607
2019-20	Culture and Progress for women	25/01/2020	Nil	120
	Menstrual Hygiene awareness	28/01/20 and 30/01/20	Nil	250
	International Women's day	08/03/20 and 1 day	Nil	898
	Pathway of Success from Women Empowerment Cell	13/06/2020 and 1 day	Nil	100
	Healthy Lifestyle After 40 from Culinary Club	25/06/2020 and 1 day	Nil	35

## WOMEN EMPOWERMENT CELL

### LIST OF RANK HOLDERS

Batch	Total no. of ranks	No. of rank holders (Girls)	Percentage of girl rank holders
2009-2011	10	7 (1 Gold medal)	70.00
2008-2012	19	18	94.74
2009-2013	22	17	77.30
2010-2014	31	23	74.20
2011-2015	43	35 (1 Gold medal)	81.40
2012-2016	53	38	71.70
2013-2017	63	50	79.40
2014-2018	60	38	63.33
2015-2019	11	9	81.82
Total	312	235	75.32








## DEPARTMENT WISE STRENGTH DETAILS 2019-2020



YEAR	DEPT	BOYS	GIRLS	TOTAL STRENGTH
I	CIVIL	9	3	12
	MECH	44	2	46
	EEE	36	12	48
	ECE	55	40	95
	CSE	109	42	151
	IT	52	49	101
	MBA			
II	CIVIL	29	15	44
	MECH	104	3	107
	EEE	47	47	88
	ECE	48	54	102
	CSE	61	55	116
	IT	44	60	104
	MBA	9	9	18
III	CIVIL	50	15	65
	MECH	104	0	104
	EEE	46	29	75
	ECE	38	63	101
	CSE	33	59	92
	IT	40	56	96
	MBA	8	12	20
IV	CIVIL	79	31	110
	MECH	130	0	130
	EEE	67	45	112
	ECE	41	73	114
	CSE	51	60	111
	IT	44	70	114
<b>TOTAL</b>				



## Culture and progress of women held on 25/01/2020

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### WOMEN FORUM

*in association with*  
**WOMEN EMPOWERMENT CELL**  
*Cordially invite you for the*

### TALK ON "CULTURE & PROGRESS OF WOMEN"

@ Smart Call Room, on 25/01/2020 at 2.00 pm.

by  
**Dr. P. SHANMUGAVADIVU**  
Professor,  
Department of Computer Science and Application  
&  
Director, Internal Quality Assurance Cell (IQAC)  
The Gandhigram Rural Institute (Deemed to be University), Dindigul.

Dr. Suganthi Su Co-ordinator	Dr. G. THAMARAI SELVI Co-ordinator / Women Empowerment Cell	Dr. K. PALANIKUMAR Principal	SRI PRAKASH LEOJITHU CEO	
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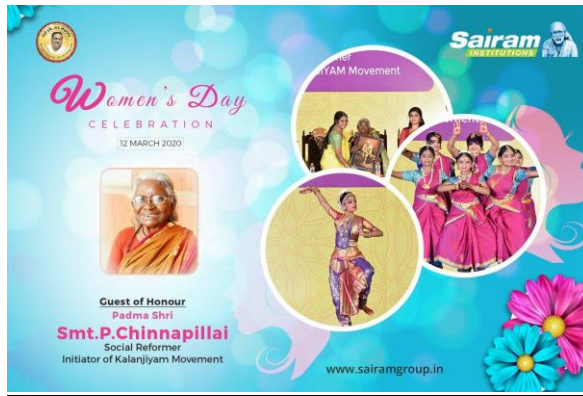
## Awareness programme on “Menstrual hygiene awareness “on 28/01/2020 at Government School, Thirumudivakkam



## INTERNATIONAL WOMEN'S DAY

Celebrated at Sairam Institution on 12th March 2020. The celebration was inspirational to all women present as the **Chief guest Padma Shri Smt.P.Chinnappillai**, Social reformer, Initiator of Kalanjyam movement encouraged women to appreciate themselves.

The Chief Guest felicitated the winners of various competitions conducted as part of women's day celebrations. It was a day to remember and acknowledge the strength & spirit of women who have wholeheartedly contributed to making this world a better place to live.



## A webinar on "Pathways of success " on 13/06/2020

Points covered in the forum are

- How to define success?
- What are all the problems facing nowadays woman in society?
- What are all the hindrance for girls to obstruct their goals



- What are the various methods to remove hindrance in their life path to achieve success?
- How to be secure our self and predetermined lead to success in career

Dr. P. Shanmugavadivu, give motivational speech for girl students to reach their goals in success path

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**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

In association with  
**WOMEN EMPOWERMENT CELL & WOMEN FORUM CLUB**

Organizes a Webinar on  
**"PATHWAYS OF SUCCESS"**  
on 13/06/2020 @ 11.00AM to 12.30PM

Registration link - <https://tinyurl.com/y8t3xq6o>

**Resource Person**  
**Dr.P.SHANMUGAVADIVU**  
Professor, Dept. of Computer Science & Applications  
& Director, Internal Quality Assurance Cell (IQAC),  
The Gandigram Rural Institute (Deemed to be University)  
Dindigul - 624 302, Tamil Nadu, India.

**INSTRUCTIONS TO PARTICIPANTS:**  
1. The faculty & students from Sri Sairam Institute of Technology will be eligible to attend this webinar.  
2. Webinar session link will be sent to participant email after registration through Google drive link.

**Dr.Su.Suganthi** | **Dr.G.Thamarai Selvi** | **Dr.K.Palanikumar** | **Sai Prakash Leo Muthu**  
Mrs.K.Sivasankari | HOD/ECE | Principal | Chairman & CEO  
Coordinators | | | Sairam Institutions

## Speech by Chief Guest on Entrepreneurship Awareness Program

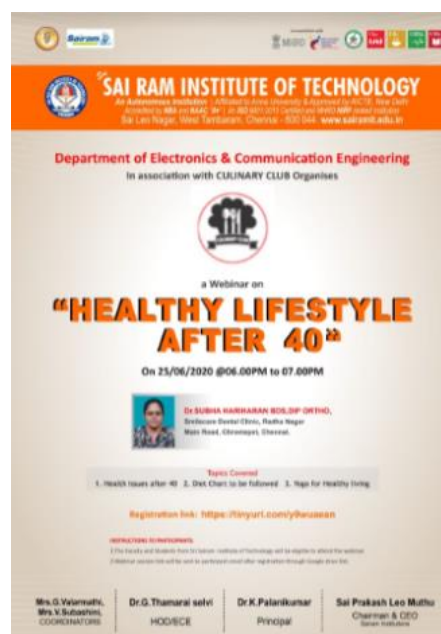
Chief guest listed about the various schemes and loans exclusively for women that aim at promoting and easing out the process for them –

1. Annapurna Scheme.
2. Sree Shakti Package for Women Entrepreneurs
3. Bharatiya Mahila Bank Business Loan
4. Dena Shakti Scheme
5. Udyogini Scheme
6. Cent Kalyani Scheme
7. Mahila Udyam Nidhi Scheme

8. Mudra Yojana Scheme For Women
9. Orient Mahila Vikas Yojana Scheme



## A webinar on “Healthy Lifestyle after 40 “ on 25/06/2020



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**Department of Electronics & Communication Engineering**  
 In association with **CULINARY CLUB** Organises

a Webinar on  
**“HEALTHY LIFESTYLE AFTER 40<sup>th</sup>”**

On 25/06/2020 @06.00PM to 07.00PM

**Dr. SUBINA SANKARAN BDS,DP,DRDHO,**  
 Endocrine Specialist, Health Nigam  
 West Road, Chrompet, Chennai.

**Topic Covered**  
 1. Health issues after 40 2. Diet Chart to be followed 3. Tips for Healthy living

Registration link: <https://tinyurl.com/ywseeean>

**REGISTRATION INFORMATION**  
 This event will enable you to gain valuable knowledge and be eligible to attend the webinar.  
 Certificate completion will be sent to participants email after registration through Google Drive link.

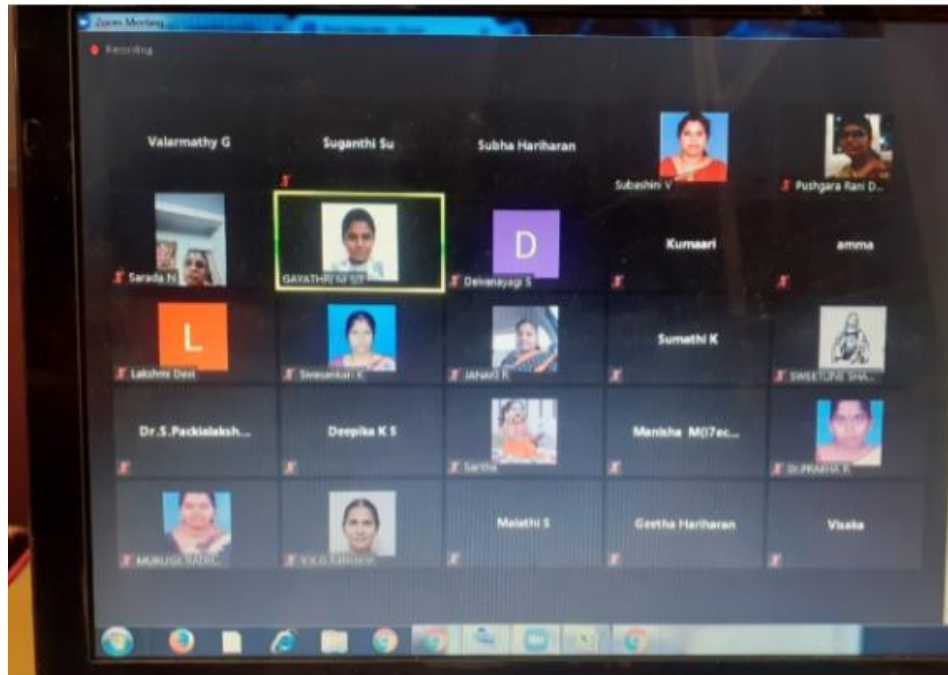
<b>Mrs. G. Vijayalakshmi,</b> Sri S. Subramanian, COORDINATORS	<b>Dr.G.Thamarai selvi,</b> HOD/ECE	<b>Dr.K.Palanikumar,</b> Principal	<b>Sai Prakash Leo Muthu,</b> Chairman & CEO Sairam Institutions
----------------------------------------------------------------------	----------------------------------------	---------------------------------------	------------------------------------------------------------------------





Dr. Subha Hariharan, give health care speech about healthy life style after 40  
The points discussed are

1. Health issues faced after the age of 40 especially problems faced by women were addressed.
2. Healthy diet to be followed .
3. Yoga for healthy life .



Browser tabs: Firewall Authentication Keepalive x 7.1.2 Alternate Energy initiatives x +

Address bar: mail.google.com/mail/u/0/#search/rajesh.civil%40sairamit.edu.in/WhctKJVzhSISqcKxJnFLgkxLrBptCFCZSkPqtCq...

Gmail logo | Search: rajesh.civil@sairamit.edu.in | SAI RAM INSTITUTE OF TECHNOLOGY

Compose | 199 Inbox | Starred | Snoozed | Sent | 10 Drafts | More

Meet: New meeting | My meetings (New)

Hangouts: IQAC | AQAR Group

2 of 39

### 7.1.2 Alternate Energy initiatives

**Dr.G.Prakash** Thu, Oct 8, 1:51 PM (11 days ago)

to me, Rajesh

Dear sir,  
PFD  
7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:  
Average Load Capacity of our institution : 320kW  
Average Load capacity of Solar Energy: 150kW

Percentage of power requirement of the College met by the renewable energy sources :46.87%

Thanks & Regards  
**Dr.G.Prakash**  
Associate Professor,  
Department of EEE,  
Sri Sai Ram Institute of Technology,  
West Tambaram,  
Chennai- 600044.  
**Email** : [prakash.eee@sairamit.edu.in](mailto:prakash.eee@sairamit.edu.in)  
**Mobile** : 9840615001

7.1.9 Differently abled friendliness resources available in the college

**Photographs of PHYSICAL FACILITIES provided in the collegecampus**



**Physical facilities for differently-abled – (1) Lift ,  
(2) Wheel chair and  
(3) Ramp**



**Physical facilities for differently abled –  
(4) Toilet with hand rails**



**Physical facilities for differently abled –  
(5) Foot step with hand rails**

# SCRIBE FOR THE DIFFERENTLY-ABLED STUDENTS

27 APR 2017

**ANNA UNIVERSITY**  
CHENNAI - 600 025  
Office of the Controller of Examinations

Off:	23301632, 23357244
	23397295, 23357296
	23357286, 23357287
Fax:	91-44-23301134/23350291
E-mail:	coe@annauniv.edu

Lr. No. 4124/COE/C24/2017 - 13981 Date: 26.04.2017

From  
Dr. G.V. UMA  
Controller of Examinations  
Anna University  
Chennai - 600 025

To  
The Principal  
4124 - Sri Sai Ram Institute of Technology,  
Chennai - 600 044.

Sir,

Sub: Office of the Controller of Examinations - Anna University, Chennai - 25 -  
B.E./B.Tech Examinations during April/May 2017 - Scribe facilities granted to  
Mr. Ajay Srinivas S, B.Tech./IT student of Sri Sai Ram Institute of Technology  
- Reg.

Ref: Your Lr. No. 485/S3/SSIT, Ch-44/Disabilities scribe 2017, dated 17.04.2017.

\*\*\*\*\*

With reference to your letter cited, it is informed that Mr. Ajay Srinivas S with Reg. No. 412414205008, Bachelor of Technology in Information Technology is permitted to write the VI Semester April/May 2017 Examinations with the assistance of Mrs. M. Bharathy, Junior Assistant to act as a Scribe for him, on the basis of Medical Certificate produced as a special case. The Guidelines in respect of the appointment of a scribe and the related procedures are noted below: -

1. The scribe should be a person who should not be well versed with the subject. It is enough if the scribe is a person who can just carry out what all the examinee dictates.
2. He/she may be a non-teaching staff of the College.
3. The scribe must be suggested by the Chief Superintendent for approval of the University on the above condition.
4. The candidate and the scribe must be seated in a separate hall and a Hall Superintendent be appointed to supervise them, under your strict vigilance.
5. A fee of Rs. 100/- is to be collected for each subject from the candidate and it may be sent to the Office of the Controller of Examinations, Anna University, Chennai - 600 025.
6. Scribe is eligible for remuneration of Rs.50/- per subject.

Yours faithfully,  
*[Signature]*  
for CONTROLLER OF EXAMINATIONS

Copy to:

1. The Zonal Officer, Zone - IV.
2. The student through the Principal.
3. Mrs. M. Bharathy, Junior Assistant through the Principal, Sri Sai Ram Inst. of Technology, Chennai.
4. The Superintendent, C-50, Office of the Controller of Examinations.

*S3/*  
*[Handwritten initials]*

Letter from Anna University permitting Mrs. M.Bharathy Jr. Assistant to act as "Scribe" for differently-abled students

## **Report on lake cleaning process.**

On 24.8.2019 **Madapamkuttai, Velachery**, Chennai around 07.00.AM

A group of volunteers, gathered, instructions given to remove the plastic items over there and cleaned that place. Also provided with gloves for cleaning. Some saplings were planted.



## **Report on Planting saplings at Kandigai**

On 31.8.2019 assembled at Gov.school , Kandigai near VIT to remove plastics and plant saplings



# REPORT OF PREPARATION OF SAPLING FOR PLANTING(12-OCT-2019) NANMANGALAM



# REPORT ON SEEDLING

## MAINTENANCE:

### On 20th October 2019

Assembled near Iyyankulam. Collecting soil in polybags. These bags will be used to plant the saplings in it at the nursery.





## **REPORT ON TREE SAPLINGS PLANTING:**

On **02.11. 2019** assembled near Iyyankulam RTO, Chennai, covered the pits with mud and planted saplings in the area.



## **REPORT ON TREE SAPLINGS PLANTING:**

### **Anupampattu**

On **03.11.2019** assembled near Anupampattu, Chennai, covered the pits with mud

and planted saplings in the area.





## **REPORT ON PREPARATION FOR MIYAWAKI FOREST**

**10.11. 2019,** assembled at Avadi Lake, Chennai Cut the extra branches of tree saplings and dug a small pit around it so that the water would get stagnated. Dug about 10 pits for planting of tree saplings. This is for the preparation of Miyawaki forest.



## **REPORT ON HAND WASH DAY EVENT**

On **13.12.2019** gathered near Somangalam government school for hand wash day event. Explained the importance of washing the hands and taught the students to be hygiene



## **REPORT ON TREE SAPLINGS PLANTING**

On 22.12.2019 - Korattur – Avadi dug a small pit and planted sapling



NSS SPECIAL CAMP PROGRAMM

DATE :24.01.2020 to 31.01.2020



சாய்ராம் இன்ஸ்டிடியூட் ஆஃப் டெக்னாலஜி



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நாட்டு நலப்பணித்திட்டம் (NSS)

நடத்தும்

சிறப்பு முகாம்

"Youth for Cleanliness"



24-01-2020 to 30-01-2020

பழந்தண்டலம் கிராமம்

[www.sairamgroup.in](http://www.sairamgroup.in)







Sairam  
INS INSTITUTIONS



SUSTAINABLE  
DEVELOPMENT  
GOALS



ஸ்ரீ

# சாய் ராம்

இன்ஸ்டிடியூட் ஆஃப் டெக்னாலஜி

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[www.sairamgroup.in](http://www.sairamgroup.in)

நாட்டு நலப்பணித்திட்டம் (NSS)

## சிறப்பு முகாம்

நீறாவு விழா

24-01-2020 to 30-01-2020

பழந்தண்டலம் கிராமம்

# 1. International Yoga Day - 2019



## 2. International Day of Drug Abuse rally



### 3. Independence Day





**4. Jal Sakthi Abiyan Awareness Program 23.07.19**




## **5. First Aid Training Program**

**Date** : 24.02.2020 **Venue** : Smart Class Room, SSIT



**Participants** : 6+152





Sairam  
www.sairamgroup.in

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**YOUTH RED CROSS**  
Organizing  
**FIRST AID TRAINING PROGRAM**  
on 24.02.2020

*Chief Guest*  
**Pulavr. R. MANICKAM**  
District Secretary,  
IRCS Kanchipuram, Tamilnadu, India.

Venue - Smart Class Room, @ SIT Campus

Mr. P. Rathnavel | Dr. K. Palanikumar | Sai Prakash LeoMuthu  
Co-ordinator | Principal | CEO



## 6. Plastic awareness rally dated on 17.9.2019



## 7. Dengue awareness and nilavembu kudineer distribution

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**YOUTH RED CROSS**

*Cordially invites you for the*  
**DENGUE AWARENESS & NILAVEMPU KUDINEER DISTRIBUTION**  
(THREE DAYS PROGRAM)

by  
**Mr. KESARI SNS SARMA**  
MGNCRE Officer,  
Mahatma Gandhi National Council of Rural Education,  
MHRD, Hyderabad (AP)

on 29th to 31th Oct, 2019  
Time: 10.00 am to 04.00 pm, in our College Smart Classroom

Mr. P. Rathnavel | Dr. K. Palanikumar | Sai Prakash LeoMuthu  
YRC - Co-ordinators | Principal | CEO

Sairam  
Invitation



## 8. LPG Conservation Awareness Programme



**REPORT ON THE SWACH BHARAT EVENT-(07/12/19)**

On 07/12/2019 , gathered near Egmore Museum around 8.45 am for the Swachh Bharat event .We were given Instructions to take part in the awareness rally to avoid plastics, cleaning and picking up plastics around the Museum .



**BLOOD DONATION CAMP DATED ON 17.02.2020**



**Swachh Bharath Abhiyan dated on 10.07.19**



# TREE PLANTATION

**Date** : 12.02.2020

**Venue** : College Campus, SSIT

**Participants** : 5+22





**Plastic awareness rally dated on 17.9.2019**



## REPORT ON CAMPUS CLEANING



## **REPORT ON THE SWACHH BHARAT EVENT-(07/12/19)**

On 07/12/2019 , are gathered near Egmore Museum for the Swachh Bharat event . Given Instructions to take part in the awareness rally to avoid plastics and picking up plastics around the Museum



**REPORT ON WORLD ENVIRONMENT DAY EVENT**  
**(05-06-2019)**



## **REPORT ON HAND WASH DAY EVENT (15-10-2019)**

On **13.12.2019** gathered near Somangalam government school for hand wash day event. Explained the importance of washing the hands and taught the students to be hygiene





Sri

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## 7.2 Best Practices (Two institutional best practices)

SSIT in all endeavors always benchmarks itself against the best practices prevailing externally and strives to create an atmosphere conducive for both students and staff.

### Best Practice-1

#### Title

#### Employability skill development through Student Mentoring

We believe that teaching learning process does not end with class room interaction alone, thus we have student mentoring system in place. Topics like engineering career, placement opportunities, study planning, career development, professional practices and personality development are discussed with students. During mentoring sessions along with screening of motivational & scientific videos, inputs related to training and placement etc. Students are motivated and are psychologically prepared to face professional and social challenges when they graduate from college.

Minimum 15 students would have a mentor associated with them who would be in regular touch with students and their parents. They mentor, counsel and guide students to progress academically and improve on all aspects of employability that need to happen in campus.

#### Objectives of the practice

- The graduates are inculcated with professional and ethical attitude, effective communication proficiency, teamwork skill and multidisciplinary talents.
- The graduates are equipped with strong knowledge and soft skills that allow them to contribute to the needs of industry, consultancy, government and academics.
- Help students to plan Personal and career goals by monitoring the overall progress of students during his/her graduation



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## Context

Today's job market is not only looking for technical knowledge but also interpersonal and relationship-building skills that help people to communicate and collaborate effectively. Hard skills may look impressive on academic progress report, but the soft skills are what will set apart from the many candidates who have similar expertise. Through Mentorship scheme institute has developed systematic road map for improving the different aspects of personality developments, Communication Skill, Presentation Skill, Team Work, leadership qualities, resume writing, etc. and make them ready to face the challenges in industry. Faculty who serve as mentors make a valuable contribution to the education and training of undergraduate students interested in hands-on experience in different activities. Thus, the role of faculty member in program is crucial to the program's success.

## Practice

In the mentorship scheme a Teacher (mentor) is allocated with group of approximately fifteen students (mentees). Mentor meeting is conducted once after each unit tests and university exams. Various activities like career goal setting, presentation skill, communication skill, resume writing, SWOT analysis, AMCAT etc. are given expert advice in the meetings.

- Motivational programs are conducted to ignite their thinking ability
- Written and oral communication skill development trainings are conducted to all our students
- A regular practice is given to all the students using the software "Skill Rack" an hour per week for the entire semester.
- To improve the ability to think critically, listening skills, and confidence in speaking specially group discussions are arranged after college hours from third year.
- All students are mandatorily trained in this programme to improve their employability skills



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## Evidence of success

The evidence of success of students mentoring system is reflected through the overall academic and personality development of students. Those students who had lack of confidence, weak in communication, poor presentation skills, were observed a good improvement in the areas where they are lacking. This is observed when they came to final year. Parents were happy to have a system where, the overall progress of their ward is monitored and informed to them timely right from the first year till their ward completes his/her engineering. It is also observed that there is an increase in the number of students participating in various events held within the campus and in other colleges, since the implementation of Students Mentoring System.

We have to motivate our students to get university ranks by awarding scholarship in each academic year

- During the academic year 2018 and 2019 we had a placement record of 86% to 91%.
- After the implementation of the AMCAT test we observe a remarkable improvement in placement.
- Good feedback reports have been received from our recruiters

### PLACEMENT STATISTICS 2017 BATCH

S. NO	DEPT	TOTAL NUMBER OF OUTGOING STUDENTS	TOTAL NO. OF STUDENTS PLACED	PERCENTAGE PER YEAR
1	CIVIL	55	43	78.18
2	MECH	117	93	79.49
3	ECE	98	82	83.67
4	EEE	109	96	88.07
5	CSE	90	77	85.56
6	IT	86	73	84.88
7	MBA	55	47	85.45
<b>TOTAL</b>		<b>610</b>	<b>511</b>	<b>83.77</b>

### PLACEMENT STATISTICS 2018 BATCH





Sri

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S. NO	DEPT	TOTAL NUMBER OF OUTGOING STUDENTS	TOTAL NO. OF STUDENTS PLACED	PERCENTAGE PER YEAR
1	CIVIL	103	68	66.02
2	MECH	134	92	68.66
3	ECE	113	94	83.19
4	EEE	113	95	84.07
5	CSE	109	99	90.83
6	IT	93	85	91.40
7	MBA	20	14	70.00
<b>TOTAL</b>		<b>685</b>	<b>547</b>	<b>79.85</b>

## PLACEMENT STATISTICS 2019 BATCH

S. NO	DEPT	TOTAL NUMBER OF OUTGOING STUDENTS	TOTAL NO. OF STUDENTS PLACED	PERCENTAGE PER YEAR
1	CIVIL	105	71	67.62
2	MECH	123	98	79.67
3	ECE	103	82	79.61
4	EEE	109	69	63.30
5	CSE	107	91	85.05
6	IT	109	82	75.23
7	MBA	16	12	75.00
<b>TOTAL</b>		<b>672</b>	<b>505</b>	<b>75.15</b>

## PLACEMENT STATISTICS 2020 BATCH


S. NO	DEPT	TOTAL NUMBER OF OUTGOING STUDENTS	TOTAL NO. OF STUDENTS PLACED	PERCENTAGE PER YEAR
1	CIVIL	55	41	74.54
2	MECH	88	83	94.31
3	ECE	95	88	92.63
4	EEE	63	54	85.71
5	CSE	91	84	92.30
6	IT	89	66	74.15
<b>TOTAL</b>		<b>481</b>	<b>505</b>	<b>86.76</b>

### Baja aptitude test:

A team of 25 members consisting of second, third and final year students from the department of Mechanical Engineering (MECH) and the department of Electrical and Electronics engineering (EEE) accompanied by Mr.S.Meganathan, Assistant Professor,

department of Mechanical Engineering, Sri Sai Ram Institute of Technology participated in the SAE e-Baja competition conducted between 22-01-2019 and 26-01-2019 at NATRIP, Pithampur-Indore (Madhya Pradesh).

The Baja aptitude test for the placement drive took place on 23-01-2019 and the results were published on the same day. All the final year students and the shortlisted third year students attempted the test. Of which, 7 mechanical and 1 electrical students from final year were selected for the next round. Finally 1 student got placement from R & D and their details are mentioned below;

S. No	Placed companies	Name of the candidate
1	Mahindra and Mahindra	Karanaga Vignesh 

### Best student award from ISTE for the year 2019

Every year one of the student was selected as best and will give best student award based on their overall performance of the student members in local chapter governed by ISTE. We are proud to let you know that our student **Ms.Garlapati Sreeja G** of IV year **ECE** & **Mr.Gowtham Kumar** of IV year **Mechanical Engineering** has won the ISTE best student award - 19th ISTE Students Convention held at PSG Institute of Technology & Applied Research, Coimbatore.





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## Best project award from ISTE for the year 2019

We are proud to let you know that our student Mr. P.S Sudharshan and Mr. Krishnamurthy B of CSE students (2019 passed out) has won the ISTE TN section Best Project Award - 19th ISTE Students Convention held at PSG Institute of Technology & Applied Research, Coimbatore.



## Blockhathan achievement

Mr. Darshan S, Mr.Banuprakash Guntupalli, Mr.Sairam T of III CSE have won 1st prize of RS.15000 in Blockhathan2k19 conducted by Malineni Lakshmaiah Group of Colleges - Guntur (Andhra Pradesh) on 10.03.2019





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## Smart India Hackathon achievement:

Department of Computer Science and Engineering Student Team-PAVAI Won first prize of cash award Rs.75000/- in Grand Finale of Smart India Hackathon 2019 held on 2nd and 3rd March 2019 in NIT-Jarkhand-Jamshedpur for the company CYIENT.

Department of Information Technology Student Team-HOPE BRIGADE won first prize of cash award Rs.50000/- in the Grand Finale of Smart India Hackathon 2019 held on 2nd and 3rd March 2019 in Mumbai for the company Emcure at Welingker Institute of Management Development & Research, Mumbai, Maharashtra.

**Grand finale of SMART INDIA HACKATHON 2019**

**Department of CSE**  
*Student Team*  
**PAVAI**  
Won first prize of cash award Rs.75000/- in Grand finale of Smart India Hackathon 2019 -NIT- Jarkhand-Jamshedpur for the company CYIENT.

**Department of IT**  
*Student Team*  
**HOPE BRIGADE**  
Won first prize of cash award Rs.50000/- in Grand finale of Smart India Hackathon 2019 - Mumbai for the company Emcure at Welingker Institute of Management Development & Research, Mumbai.

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## Problem Encountered and Resources required

Students from rural Tamil Nadu are in considerable number. Those students in the first year feel difficult to get accustomed academically to the engineering curriculum. It is a challenge to mentors in bringing confidence among the students. Balancing the academics with that of employability skill development programme is a great challenge faced every year.

## Best Practice-2

### Title

### Innovation and Entrepreneurship Development Centre



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IEDC is an established platform which strives to mould many vibrant and enthusiastic students into successful entrepreneurs. Its success lies in the identification of ideas and implementing them. IEDC aims at inspiring minds to come up with innovative ideas to solve the existing problems in our society. It wants not only to ignite the minds but also to nurture the ideas of one of the most talented students of the institution

## Objectives

- To act as an institutional mechanism for providing various services including information on all aspects of enterprise building to budding student entrepreneurs
- To create Entrepreneurial culture in the parent Institution and other institutions in the region and to promote the objectives of NSTEDB, including programmers related to women and weaker sections of the society
- To inculcate a culture of innovation driven entrepreneurship through student projects
- To catalyse and promote development of student knowledge-based enterprises and promote employment opportunities in the innovative areas
- To respond effectively to the emerging challenges and opportunities both at national and international level relating to small and medium – sized enterprises and micro enterprises

## Context

Small and medium – sized enterprises and micro enterprises are increasingly recognized as an important driver of economic growth of a country. Government of India has realized the importance of entrepreneurship and has introduced programs like "Make in India" & "Start-up India". IEDC is the right platform for the Engineering institutions to contribute to the nation in this sector.

## Practice

Organize Entrepreneurship Awareness Camps, Entrepreneurship Development Programmers, Faculty Development Programmers and Skill Development Programmers and NSS camp for the benefit of Students as well as staffs. Arrange interaction with entrepreneurs and create a mentor ship scheme for student entrepreneurs. Act as a Regional Information centre on business opportunities, processes, technologies, market, etc. by creating and maintaining relevant data bases.

IEDC cell was inaugurated by Shri. Sujit Banerjee, department of science and technology, government of India on 9th September 2015

**The Yearly Review / Progress meeting of IEDC student’s Innovative projects sponsored by DST New Delhi – on 09/03/2018**



**Evidence of success**

- 13 patents has been filed in various engineering field.
- 11 students entrepreneurs from the IEDC incubator
- Received best Institutional Award in the succeeding years 2015-2016 and 2016-2017

**INNOVATIVE PROJECTS CONVERTED AS PATENTS – R & D ACTIVITY**

Sl.No	Title of the Invention	Date and Year of Submission	Patent Number	Status	Department
1	Woven Aloevera/Sisal/Kenaf Fibre Epoxy	17.06.2016	201641012809	Published	Mech



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	composites for Corrugated Roof sheet				
2	A Multi-Layered Natural Fiber Reinforced Composite Sheet Laminate	11.11.2016	201641036636	Published	Mech
3	A Durable Multi-Layered Protective cover enclosing the Head and Neck of th refighters	30.12.2016	201641044018	Published	Mech
4	Egensor	30.03.2017	201741011384	Published	EEE
5	A Cattail Fiber Activated Charcoal Cartridge for the Filtration and Removal of the PAH from the AQUE	07.04.2017	201741010893	Published	CIVIL
6	Phoneme Encryptor	11.04.2017	201741012896	Published	IT
7	A fibre reinforced hybrid polymer composite protective mechanism for the head	08.05.2017	201741016072	Published	MECH
8	A system and a method for toggling the operating state of electrical appliances through user gesture	03.08.2017	201741027560	Published	ECE
9	An automatic system and method for the detecting and arresting of the LPG spillage from the gas stoves	07.08.2017	201741028002	Published	MECH
10	Exo Skeleton Arm using Block and Tackle Mechanism	08.12.2017	201741042997	Published	MECH





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11	An Exo Frame Structure Utilizing Electrical Actuators For Arm Rehabilitation And Effortless Load	09.07.2018	201841025468	Published	MECH
12	Mind controlled gaming for the differently abled	01.05.2018	201841016343	Published	CSE
13	An Authentication Slip Procurement System For A Public Transport Vehicle	05.03.2019	201941008408	Published	IT
14	WIRELESS SECURITY CAMERA FOR STALKER AND THREAT IDENTIFICATION	28.03.2019	201941012141	Published	IT
15	Design and analysis of seven Degrees of Freedom Robot	10-03-2020	202041011372	Published	MECH
16	Vehicular pollution monitoring and risk management system	05-06-2020	202041018449	Published	CSE

## DETAILS OF PATENTS PUBLISHED

Sl no	Academic year	ECE	EE E	CSE	IT	MECH	CIVIL	TOTAL
1	2019-2020	0	0	1	0	1	0	02
2	2018-2019	0	0	0	2	0	0	02
3	2017-2018	1	0	1	0	4	0	06
4	2016-2017	0	1	0	0	3	1	05
5	2015-2016	0	0	0	0	1	0	01
6	2014-2015	0	0	0	0	0	0	0
<b>TOTAL</b>								<b>16</b>

## DETAILS OF SPONSORED RESEARCH



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Sl no	Academic year	Total Amount of Fund received for Research activities (in Rs/-)
1	2020-2021	23,79,00/-
2	2019-2020	36,67,000/-
3	2018-2019	18,00,000
4	2017-2018	8,95,000/-
	2016-2017	14,60,000/-
	2015-2016	53,90,000/-
	2014-2015	6,00,000/-

## DETAILS OF CONSULTANCY PROJECTS

Sl no	Academic year	Total Amount of Fund received for Research activities (in Rs/-)
1	2017-2018	20,35,000/-
2	2016-2017	17,34,200/-
3	2015-2016	12,94,150/-

## FACULTY PUBLICATIONS

Dept/Year	2013	2014	2015	2016	2017	2018	2019	2020	Total
Mech	36	42	57	36	34	37	69	16	327
CSE	3	2	2	5	6	11	06	05	40
ECE	9	6	4	6	6	9	15	05	60
EEE	1	6	26	11	26	12	04	10	96
CIVIL	3	1	3	21	11	11	10	04	64
IT	0	0	0	0	1	2	02	0	05
S&H	4	2	6	5	10	13	10	02	52
MBA	9	2	1	4	7	10	04	02	39
Total	65	61	99	88	101	105	120	44	683

## IEDC Funded – Students' Innovative Projects

### Problem Encountered and Resources required

Some of the major challenges are financial issues, social rejection, facing criticism, hiring employees for the first time, dealing with stress and self-doubt, and finding customers



## Department of Civil Engineering

### BEST PRACTICE 1

#### 1. Title of the Practice

Standardized procedures for periodic quality checks of Teaching – Learning

#### 2. Objectives of the practice

The objectives of the intended outcomes of the best practices are:

- To ensure standardized quality learning and teaching experiences across all courses and programs and across differed modes of delivery
- To improve student's learning experiences and outcomes
- To identify and address professional development needs.
- To provide staff with reliable, consistent and timely evidence of the quality of their teaching and student learning which may be used in deciding pay incentives/promotion processes

#### 3. The context

To meet the challenge of promoting innovativeness of teachers, the best way was found to be insisting on documentation of individual teaching plans/lessons which in turn help to identify the most effective methodologies /approaches that can be shared with others who are not very successful in their teaching.

Senior faculty or sometimes even the youngest faculty coming from diverse backgrounds like industry etc., explore alternative pedagogies or adapt student-support to varied student profiles and pedagogical competencies. Their alternative teaching methodologies can serve as training models to other teachers.

In the context of teachers moving towards greener pastures / IT Sectors, the need for adopting standardized procedures was deeply felt as transition becomes smooth when there is a switch of teachers as the former teacher's records becomes a ready reference for the new teacher.

Through constant checks of teacher's documents which include their unit planners, academic records, teaching dairies, monthly appraisal etc., the institution finds scope to identify areas of deficiencies and also take up appropriate FDP programmed for



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the betterment of their professional effectiveness and also for the quality enhancements of the academic programmed.

## 4. The Practice

The procedure which constitutes the implementation of the practice is as follows:

- The institution has a meticulously organized and clearly planned teaching, learning and evaluation schedule, well integrated into the total institutional scheme. At the end of each academic year, the management holds consultations with the faculty and the examination section to plan the Almanac for the forthcoming academic year
- The course outlines and the course schedules are drawn well ahead of the course commencement. Each faculty of our department has an individually drafted unit planner, which reflects how each unit is taught by indicating the time frame along with a mention of methodologies/ references used and modes of evaluation practiced. The course outlines are spelt out to the students by the course teacher in the orientation session.
- Self – appraisals and Monthly appraisals, submitted by the individual teachers gives a clear indication of the teachers' contributions in various categories - academic, administrative and extension activities. Teaching dairies which have lesson plans of the topics handled that week are meticulously maintained by the individual teachers.
- The Head of the department ensures the effectiveness of the process by weekly checks of the teaching diaries, academic records, monthly appraisals and syllabus completion statements submitted by the faculty. The effectiveness is further ensured through cross verification by the head of the institution.
- The teaching- learning process is continuously reviewed by the Principal by taking into account the feedback given by the students.
- Departmental meetings are conducted thrice in a semester and whenever needed. The minutes are documented and signed by Principal.
- Result analysis is submitted by the individual faculty. The result analysis of each department is submitted to the Principal after each semester.



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- Syllabus completion statements are also periodically submitted by the individual faculty in order to ensure timely completion of the syllabus
- Feedback is taken from the students at the end of ever semester for faculty

## 5. Evidence of success

Effective teachers develop productive relationships with their students – they get to know them and take a particular interest in their overall development and progress. Thus the regulatory mechanism of timely checks on teacher quality has the double advantage of improving not only teacher but also student performances.

## 6. Problem Encountered and Resources required

Most of the students are faced trouble to improving performance in examination. Those students were identified through class committee and making clear picture where they were actually logged is a special task. So the staffs have to take care of these particular students by making proper class arrangement in weekends.



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**RECORD OF ATTENDANCE AND ASSESSMENT**

From : JUNE 2017 To : NOV 2017

Branch : Civil Engineering

Subject : Water Supply Engineering Sub. Code : EUS219

Name of the Teaching Staff : G. Dillip Kumar

	End of 1st Month	End of 2nd Month	End of 3rd Month	End of Semester
Staff	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
H.O.D.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
Principal	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

Approved by AICTE, New Delhi and Affiliated to ANNA UNIVERSITY, Chennai

**COURSE PLAN**

UNIT No. & TITLE: 1. Water Supply Engineering - Sources of water

S.No.	Portions to be covered	Books Referred	Page No.	Date Planned	No. of Hours Required	Cumulative Hours	Teaching Methodologies (BB, PPT, OHP, etc.)	Date Engaged
1.	Public water supply system	S.K. Gang	1-22	20/6/17	2	2	BB	20/6/17
2.	Ground water	"	23-42	24/6/17	2	4	BB	24/6/17
3.	Surface water	"	43-62	28/6/17	2	6	BB	28/6/17
4.	Water quality	"	7-12	29/6/17	2	8	BB	29/6/17
5.	Characteristics of water quality	"	13-22	29/6/17	2	10	BB	29/6/17
6.	Water quality standard	"	23-32	29/6/17	2	12	BB	29/6/17

Total Hours Planned: 9  
 Signature of the Faculty: *[Signature]*

Total Hours Taken: 13  
 Signature of the HOD: *[Signature]*

**COURSE PLAN**

UNIT No. & TITLE: 2. CONVEYANCE FROM SOURCE

S.No.	Portions to be covered	Books Referred	Page No.	Date Planned	No. of Hours Required	Cumulative Hours	Teaching Methodologies (BB, PPT, OHP, etc.)	Date Engaged
1.	Intake structure	S.K. Gang	200-228	27/7/17	2	2	BB	27/7/17
2.	Pipes & conduits	"	219-225	4/8/17	2	4	BB	28/7/17
3.	Hydraulic design of pipes	"	219-226	5/8/17	2	6	BB	01/8/17
4.	Laying, bedding & testing of pipes	"	265-287	10/8/17	2	8	BB	7/8/17
5.	Appurtenances	"	265-287	11/8/17	1	9	BB	8/8/17
6.	Pumps	"	281-286	12/8/17	2	11	BB	9/8/17

Total Hours Planned: 9  
 Signature of the Faculty: *[Signature]*

Total Hours Taken: 10  
 Signature of the HOD: *[Signature]*

**COURSE PLAN**

UNIT No. & TITLE: 3. Water Treatment

S.No.	Portions to be covered	Books Referred	Page No.	Date Planned	No. of Hours Required	Cumulative Hours	Teaching Methodologies (BB, PPT, OHP, etc.)	Date Engaged
1.	Unit operation & process	S.K. Gang	212-219	17/9/17	1	1	BB	16/9/17
2.	Flow Meters	"	221-224	19/9/17	1	2	BB	14/9/17
3.	Flowmeters	"	225-231	19/9/17	1	3	BB	21/9/17
4.	Sedimentation tank	"	230-240	19/9/17	2	5	BB	22/9/17
5.	Sand filter	"	421-436	24/9/17	2	7	BB	24/9/17
6.	Microstrainers	"	274-279	27/9/17	1	8	BB	6/9/17
7.	Operation & Maintenance	"	263-268	30/9/17	1	9	BB	17/9/17

Total Hours Planned: 9  
 Signature of the Faculty: *[Signature]*

Total Hours Taken: 9  
 Signature of the HOD: *[Signature]*



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**COURSE PLAN**

UNIT No. & TITLE: 4. ADVANCED WATER TREATMENT

S.No.	Portions to be covered	Books Referred	Page No.	Date Planned	No. of Hours Received	Cumulative Hours	Teaching Methodologies (BB, PPT, OHP, etc.)	Date Engaged
1.	Asaon	S.K.Pag	580-585	1/8/19	1	1	BB	12/9/19
2.	Removal of Iron & Manganese	"	572-585	2/8/19	1	2	"	12/9/19
3.	Defluoridation	"	586-592	7/8/19	1	3	"	19/9/19
4.	Rechlorination	"	593-600	7/8/19	1	4	"	19/9/19
5.	Water softening	"	485-520	8/8/19	1	5	"	18/9/19
6.	Desalination	"	605-636	9/8/19	2	6	"	18/9/19
7.	Membrane Systems	"	635-636	14/8/19	1	8	"	25/9/19
8.	O&M	"	571-580	15/8/19	1	9	"	25/9/19

Total Hours Planned: 9      Total Hours Taken: 9  
 Signature of the Faculty: [Signature]      Signature of the HOD: [Signature]

**COURSE PLAN**

UNIT No. & TITLE: 5. WATER DISTRIBUTION & SUPPLY

S.No.	Portions to be covered	Books Referred	Page No.	Date Planned	No. of Hours Received	Cumulative Hours	Teaching Methodologies (BB, PPT, OHP, etc.)	Date Engaged
1.	Requirement of Service water	S.K.Pag	571-574	16/8/19	1	1	BB	24/9/19
2.	Water Design	"	616-636	21/8/19	2	3	"	24/9/19
3.	Computer Application	"	636-636	23/8/19	1	4	"	27/9/19
4.	Appurtenances O&M	"	636-642	23/8/19	2	5	"	3/10/19
5.	Leak Detection	"	642-645	29/8/19	1	7	"	4/10/19
6.	Design of water supply in buildings	"	646-660	30/8/19	1	8	"	4/10/19
7.	House service connection	"	660-660	30/8/19	2	9	"	5/10/19

Total Hours Planned: 9      Total Hours Taken: 9  
 Signature of the Faculty: [Signature]      Signature of the HOD: [Signature]

**RECORD OF CLASS WORK**

Date	Period	Topics Covered	Initials
20/6/19	3	Introduction <b>Unit-1</b>	[Signature]
21/6/19	1,7	Rubic water supply	[Signature]
26/6/19	1	Design Period	[Signature]
21/6/19	3	Demand	[Signature]
24/6/19	1,7	Population forecasting	[Signature]
17/7/19	1,3	Population forecasting	[Signature]
18/7/19	3	Losses of water	[Signature]
19/7/19	1,7	Characteristics of water	[Signature]
20/7/19	7	Water quality standards	[Signature]
25/7/19	3	Storage structures	[Signature]
24/7/19	7	Pipes & conduits	[Signature]
27/7/19	7	Spigot design	[Signature]
01/8/19	3	Hydraulics of pipe	[Signature]
2/8/19	1,7	Hydraulics of pipe	[Signature]
7/8/19	1	Laying, Jointing & Resting of pipes	[Signature]
8/8/19	3-	Pipe Appurtenances	[Signature]
9/8/19	1,7	Pumps <b>Unit-2</b>	[Signature]
14/8/19	1	Unit operation of Pumps	[Signature]

**RECORD OF CLASS WORK**

Date	Period	Topics Covered	Initials
16/8/19	1,7	Flows mixes	[Signature]
21/8/19	1	Fluoculation	[Signature]
22/8/19	3	Sedimentation tank	[Signature]
23/8/19	1,7	Basins - Circular	[Signature]
27/8/19	3	Basins - Rectangular	[Signature]
30/8/19	7	Filtration	[Signature]
4/9/19	3	Slow Sand filter	[Signature]
6/9/19	1	Rapid Sand filter	[Signature]
4/9/19	7	Disinfection	[Signature]
11/9/19	1-	O&M <b>Unit-3</b>	[Signature]
12/9/19	3	Asaon	[Signature]
12/9/19	7	Iron & Manganese Removal	[Signature]
13/9/19	7	Defluoridation	[Signature]
13/9/19	7	Desalination	[Signature]
18/9/19	1,3	Water softening	[Signature]
20/9/19	7	Membrane Desalination	[Signature]
25/9/19	1	Membrane System O&M	[Signature]
26/9/19	3,7	Requirement of Service Reservoir	[Signature]
27/9/19	7,7	Network Design, Computer Application	[Signature]



Date	Period	Remarks	Signature
3/6/19	3	Appearances	[Signature]
3/10/19	7	O.G.H.	[Signature]
4/10/19	1,7	Design of Water supply in Buildings. House service connection	[Signature]
			[Signature]
			[Signature]
			[Signature]
			[Signature]
			[Signature]
			[Signature]
			[Signature]

RECORD OF EXTRA HOUR (EH) / HOURS LOST (HL)					
Date	Period	Extra Hour (EH) Hours Lost (HL)	Cumulative Hours		Remarks
			Hours Lost (HL)	Extra Hour (EH)	
25/7/19	3	EH - 1	-	1	PPT were shown
27/7/19	7	EH 1	-	2	Tutorial class
2/8/19	7	EH - 1	-	3	PPT were shown
9/8/19	7	EH - 1	-	4	class Test
11/9/19	1	EH - 1	-	5	PPT were shown

Unit	Date		Number of Hours		Remarks
	From	To	As per Syllabus	Actually Taken	
I	26/6/19	24/7/19	9	13	Bases explained with PPT. [Signature]
II	28/7/19	9/8/19	9	10	University problems solved. [Signature]
III	14/8/19	11/9/19	9	9	-
IV	12/9/19	25/9/19	9	9	- [Signature]
V	28/9/19	14/10/19	9	9	-

**END SEMESTER - COURSE REVIEW**

- No. of students registered for final examination : 22
- No. of students appeared for final examination : 22
- Register No. of absentees for final examination : \_\_\_\_\_
- Reason for absence
  - \_\_\_\_\_
  - \_\_\_\_\_
  - \_\_\_\_\_

**University Performance Statistics :**

Grade	D	A+	A	B+	B	E	U	Total	Pass%
Before Reevaluation	1	0	0	0	7	0	0	22	100%
After Reevaluation									
After Review									

**CO Attainment Assessment Plan :**

COs	Assessment Tools	Target	Attained	Actions taken (if target not met)

**PO and PSO Attainment :**

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2

Signature of the Faculty: \_\_\_\_\_  
 Signature of the HOD: \_\_\_\_\_  
 Principal: \_\_\_\_\_

## BEST PRACTICES: 2

### 1. Title of the Practice

**Hands on training in Total station surveying**

### 2. Objectives of the Practice

The objectives/intended outcomes of this best practice are:

- To give a complete picture on the basics of modern surveying trends and its applications in planning, construction and architectural areas
- To understand the various functions of total station





Sri

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Sai Leo Nagar, West Tambaram, Chennai - 600 044. [www.sairamit.edu.in](http://www.sairamit.edu.in)



- To gain the knowledge on application of total station
- To have a practical approach for create a detailed topographical maps with contours

### 3. The Context

The planning and design of all Civil Engineering projects such as railways, highways, tunneling, irrigation, dams, reservoirs, waterworks, sewerage works, airfields, ports, massive buildings, etc. are based upon surveying measurements. During execution of the project of any magnitude is constructed along the lines and points established by surveying.

The measurement of land and the fixation of its boundaries cannot be done without surveying. The economic feasibility of the engineering feasibility of a project cannot be properly ascertained without undertaking a survey work.

### 4. The Practice

The procedures which constitute the implementation of the practice are as follows:

- The course outlines and the course schedules are drawn well ahead of the course commencement. Each faculty of the department has an individually drafted unit planner, which reflects how each unit is taught by indicating the time frame along with a mention of methodologies/ references used and modes of evaluation practiced. The course outlines are spelt out to the students by the course teacher in the orientation session.
- Choosing one-to-one training for all the students in surveying which is advantages not least of which is being tutored privately by an expert and having the course content customized to you own specific needs.

### 5. Evidence of Success

Students got some opportunity after learning this course, through the trainer in semester holidays. In these period they are involved in various activities like field works, preparation of field map and generation of contour map.

## 6. Problem Encountered and Resources required

Some of the students were troubled to clear interview due to lack of practical knowledge. In order to achieve and gain practical knowledge, it is mandatory to attend internship programme and implant training. All the mentors have to take care of these students by referring some reputed industry to participate these type of event.





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### **1. Title of the Practice**

**Coursera** - Department of Computer Science and Engineering

### **2. Objectives of the Practice**

- To educate the young students community in various academic fields through online mode due to COVID Pandemic situation.
- To make students to programme their study and learning activities according to their own timetable
- To help students to learn more quickly and efficiently using online web and m-learning platforms are based on verified teaching methodologies.

### **3. The Context**

Coursera is one of the leading online course providers from the top worldwide universities. Course content includes interactive quizzes, short video lecture presentations, peer assessment and the ability to connect with researchers and course instructors.

### **4. Evidence of Success**



**5. Problems Encountered and Resources Required**

Some courses in coursera are available on a subscription basis. Such courses are free for the first 7 days, and then you are charged monthly. But our institution management paid on behalf of students who are enrolled in courses in coursera. So that our students enrolled more courses during this COVID Pandemic situation and completed 1000+ courses.

**6. Notes(Optional)**