



SRI VENKATESWARA

COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur-631203, Tiruvallur TK & DT
Approved by AICTE New Delhi & Affiliated to Anna University, Chennai
(A Telugu Minority Institution)

2.3 TEACHING- LEARNING PROCESS

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools

OBJECTIVE:

Our institution endeavors to facilitate lifelong learning by embracing diverse teaching methodologies, thus fostering a student-centric approach to the learning process.

EXPERIENTIAL LEARNING:

- Each student follows an experiential learning path encompassing both theoretical and practical subjects, structured according to Bloom's Taxonomy levels.
- Every semester, departments arrange Industrial Visits and internships in companies to provide exposure to industrial practices.
- Students are actively encouraged to participate in various college workshops, national and international conferences, both internal and external.
- Students undertake mini-projects and major projects to enhance experiential learning opportunities.
- Practical learning is integrated into every laboratory session, covering topics such as Python, C, C++, CAD, EPL, communication, and data structures.
- Students are immersed in a learning process where they "learn by doing" and reflect on their experiences.
- An Internal Quality Assurance Cell (IQAC) is established to ensure the quality of education at the institutional level through ongoing reviews and regular meetings.



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PARTICIPATIVE LEARNING:

- Value-added courses and workshops are conducted to provide hands-on experience with the latest technologies.
- Guest lectures by prominent industry experts are organized to enable students to gain real-time knowledge of recent technologies.
- Students are motivated to engage in national and international competitions, conferences, seminars, and workshops both within and outside the college.
- Students are encouraged to participate in group discussions, face-to-face interviews, and sentence construction exercises to enhance their communication skills
- Various club activities are employed to nurture teamwork and foster a sense of social responsibility among students.
- Practical sessions and workshops, both individual and group-oriented, are regularly conducted under the guidance of instructors.
- Students are encouraged to engage in various projects and Professional Society Events, offering them opportunities to showcase their ideas and innovations and potentially earn awards and recognition.
- Seminars, industrial visits, and guest lectures serve to deepen students' understanding of concepts and the subsequent implementation processes in a relevant manner.
- Collaborative project work with industry partners allows students to gain practical insights and enrich their knowledge through interactions with professionals and scientists.



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PROBLEM SOLVING METHODOLOGIES:

- Tutorial classes are integrated into the course delivery process to cultivate problem-solving skills among students, complementing the regular teaching-learning activities.
- The emphasis on problem-solving ability is further underscored by including case study questions (Part C) in internal assessment tests and model exams, as well as engaging students in solving industry-posed problems through the "Problem Box" initiative.
- The provision of free Internet access in the library and Wi-Fi facilities across campus fosters a culture of self-directed learning and collaborative discussion among students.
- The college employs various teaching methodologies, such as interactive discussions, project-based learning, and seminars, alongside traditional lecture methods, adapting to the nature of instructional content.
- In addition to classes focusing on general aptitude and logical reasoning, value-added programs are offered to second and third-year students to enhance their problem-solving skills.




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1. EXPERIENTIAL LEARNING

1.1 INDUSTRIAL VISIT

LIST OF COMPANIES VISITED IN 2022-2023

INDUSTRIAL VISIT REPORT

SNO	CLASS	DEPT	COMPANY NAME	DATE	NO OF STUDENTS
1	II, III&IV	CSE	RETECH SOLUTION PRIVATE LIMITED	20.09.2022 & 21.09.2022	143
2	IV	ECE	PYROFERUS TECHNOLOGIES	10.10.2022	30
3	II	MECH	SANSBOUND SOLUTIONS PVT LTD	19.10.2022 & 20.10.2022	131
4	II	CSE	GREENS TECHNOLOGIES	26.10.2022	65
5	III	CSE	CODOID INNOVATION PVT LTD	28.10.2022	57
6	III	ECE	KAASHIV INFOTECH, CHENNAI.	29.10.2022	32
7	II	CSE	BHARAT SANCHAR NIGAM LIMITED - BSNL, CHENNAI	05.11.2022	65
8	II	CSE	CODE BINDTECHNOLOGIES, CHENNAI	09.11.2022	65
9	II	CSE	V EQUAL IR, CHENNAI	25.11.2022	65
10	IV	CSE	SANS BOUND NETWORKINGTECHNOLOGY, CHENNAI	20.02.2023 & 23.02.2023	21



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11	II & III	ECE	RETECH SOLUTION PVT LTD, WEST TAMBARAM, CHENNAI	27.02.2023	122
12	III	ECE	RETECH SOLUTION PVT LTD, TAMBARAM, CHENNAI	07.03.2023	90
13	III	EEE	SP ENGINEERS AUTOTECH INDIA PRIVATE LIMITED, KAKKALUR INDUSTRIAL ESTATE, THIRUVALLUR	21.03.2023	21




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INDUSTRIAL VISIT REPORT

PLACE: RETECH SOLUTION PRIVATE LIMITED, WEST TAMBARAM.

YEAR: II, III&IV

BRANCH: DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
&
ELECTRONICS COMMUNICATION ENGINEERING


STRENGTH: 70

The Department of Computer Science and Engineering organized an industrial visit on September 20-2022, for second and third and final year students to Retech Solution Private Limited in Technology, West Tambaram. This visit proved highly beneficial for students, providing practical insights that positively influenced their educational perspective and helped them enhance their technical skills.



RETECH SOLUTION PRIVATE LIMITED, WEST TAMBARAM, 20.09.2022




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INDUSRTRIAL VISIT REPORT

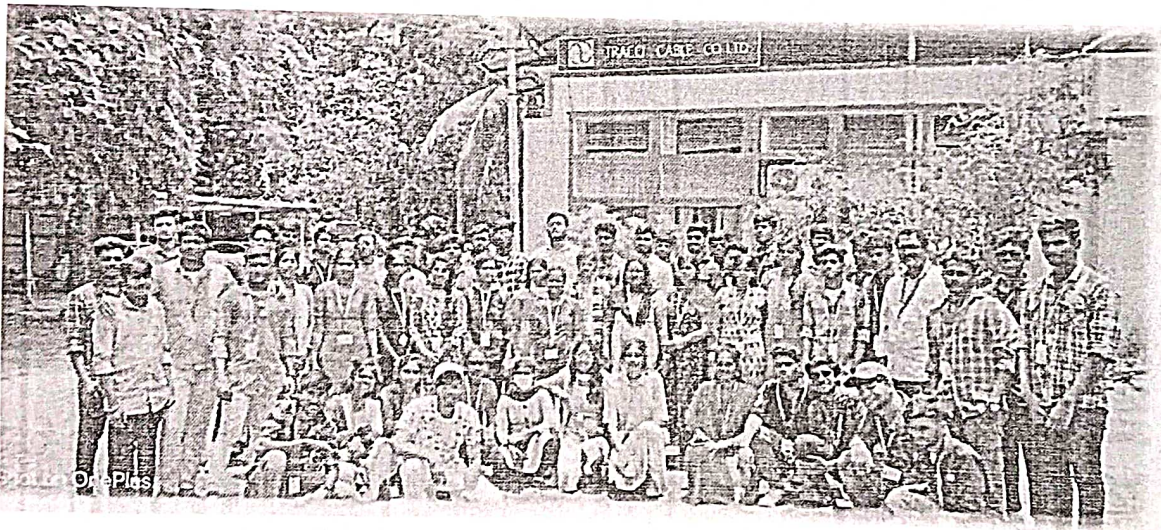
PLACE: PYROFERUS TECHNOLOGIES-MYLAPORE, CHENNAI

YEAR: II & III

BRANCH: DEPARTMENT OF ELECTRICAL AND COMMUNICATION ENGINEERING


STRENGTH: 65

The Department of Electrical and Communication Engineering organized an industrial visit on October 10- 2022, for final year students to. This visit facilitated the expansion of our students' technical knowledge by providing insight into the diverse processes conducted within the company. Additionally, it exposed them to the myriad opportunities present in the core sector.



PYROFERUS TECHNOLOGIES 10.10.2022




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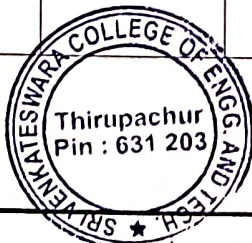
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1.2 INTERNSHIP & IN PLANT TRAINING

AY 2022-2023

Our college used to send its students on Internships to businesses and industries to make them work in real circumstances and get experiences of working place. Here, some internship completed by our students as follow.

S.N O	REG NO	DEPARTMENT	NAME OF THE STUDENT	INTERNSHIP OF THE COMPANY	START DATE	END DATE
1	112419104002	CSE	ABOORWIN SHANU R S	3ITECHSO TECHNOLOGIES-CHENNAI	22-04-2022	05-05-2022
2	112419104001	CSE	ABDUL JAMAL A	3ITECHSO TECHNOLOGIES-CHENNAI	22-04-2022	05-05-2022
3	112419104003	CSE	AKASH T	3ITECHSO TECHNOLOGIES-CHENNAI	22-04-2022	05-05-2022
4	112419104301	CSE	JUSTIN AGUSTUS	3ITECHSO TECHNOLOGIES-CHENNAI	22-04-2022	05-05-2022
5	112420105001	EEE	PRAVEEN KUMAR.B	PYROFERUS-CHENNAI	20-05-2022	19-06-2022
6	112420105003	EEE	SHRIHARI.T.K	PYROFERUS-CHENNAI	20-05-2022	19-06-2022
7	112420105330	EEE	MANIKANDAN.P	PYROFERUS-CHENNAI	20-05-2022	19-06-2022
8	112420105333	EEE	NARENDIRAN.M.G	PYROFERUS-CHENNAI	20-05-2022	19-06-2022
9	112420105335	EEE	NITHISH.M	PYROFERUS-CHENNAI	20-05-2022	19-06-2022
10	112419104015	CSE	MOHAN	KAASHIV INFOTECH -CHENNAI	23-08-2022	25-09-2022
11	112419104017	CSE	SARATH KUMAR	KAASHIV INFOTECH -CHENNAI	23-08-2022	25-09-2022
12	112419104012	CSE	KARTHICK	KAASHIV INFOTECH -CHENNAI	23-08-2022	25-09-2022
13	112419104023	CSE	YOGESH	KAASHIV INFOTECH -CHENNAI	23-08-2022	25-09-2022
14	112419104010	CSE	JAYADHARSHINI J	KAASHIV INFOTECH -CHENNAI	23-08-2022	25-09-2022
15	112419104007	CSE	DEVI SRI S	KAASHIV INFOTECH -CHENNAI	23-08-2022	25-09-2022
16	112419104020	CSE	SRUTHIKA S	KAASHIV INFOTECH -CHENNAI	23-08-2022	25-09-2022
17	112420114400	MECH	K. UDHAYAKUMAR	SAKTHI GEAR PRODUCTS - COIMBATORE	26-08-2022	27-09-2022
18	112420114402	MECH	P. VASANTH	SAKTHI GEAR PRODUCTS - COIMBATORE	26-08-2022	27-09-2022



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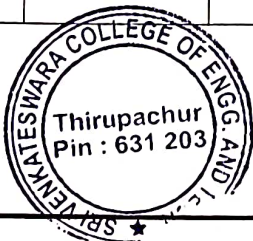


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19	112420114408	MECH	P. VIGNESH	SAKTHI GEAR PRODUCTS - COIMBATORE	26-08-2022	27-09-2022
20	112420114007	MECH	P. KAMESH	SAKTHI GEAR PRODUCTS - COIMBATORE	26-08-2022	27-09-2022
21	112420114310	MECH	S. CHANDRASEKAR	SAKTHI GEAR PRODUCTS - COIMBATORE	26-08-2022	27-09-2022
22	112420114009	MECH	S. MOHANDAS	TVS - SUNDARAM CLAYTON LTD-CHENNAI	20-05-2022	29-06-2022
23	112420114354	MECH	S. NIRANGA KUMAR	TVS - SUNDARAM CLAYTON LTD-CHENNAI	20-05-2022	29-06-2022
24	112420114336	MECH	G. KARAN	TVS - SUNDARAM CLAYTON LTD-CHENNAI	20-05-2022	29-06-2022
25	112420114379	MECH	M. SAKTHIVEL	TVS - SUNDARAM CLAYTON LTD-CHENNAI	20-05-2022	29-06-2022
26	112420114391	MECH	J. SEDHU BALA	TVS - SUNDARAM CLAYTON LTD-CHENNAI	20-05-2022	29-06-2022
27	112420114395	MECH	J. STEPHEN RAJ	TVS - SUNDARAM CLAYTON LTD-CHENNAI	20-05-2022	29-06-2022
28	112420103304	CIVIL	DEEBANAND N	TIMMERMAN CONSTRUCTION-CHENNAI	15-04-2022	25-05-2022
29	112420103305	CIVIL	DINESH KUMAR V	TIMMERMAN CONSTRUCTION-CHENNAI	15-04-2022	25-05-2022
30	112420103309	CIVIL	KARTHICK M	TIMMERMAN CONSTRUCTION-CHENNAI	15-04-2022	25-05-2022
31	112420103310	CIVIL	KEERTHIVASAN E	GAYATHIRI CONSTRUCTIONS-CHENNAI	15-04-2022	25-05-2022
32	112420103314	CIVIL	MARAN B	GAYATHIRI CONSTRUCTIONS-CHENNAI	15-04-2022	25-05-2022
33	112420103315	CIVIL	MURUGAN M K	GAYATHIRI CONSTRUCTIONS-CHENNAI	15-04-2022	25-05-2022
34	112420103316	CIVIL	NAGABOOSHANAM S	GAYATHIRI CONSTRUCTIONS-CHENNAI	15-04-2022	25-05-2022
35	112420103331	CIVIL	VASANTHA KUMAR S	GAYATHIRI CONSTRUCTIONS-CHENNAI	15-04-2022	25-05-2022
36	112421631001	MBA	AARTHI S	SRI SHIV SOLUTIONS - CHENNAI	08-05-2022	20-06-2022



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37	112421631003	MBA	ADHISAYA IMMANUVEL S	SRI SHIV SOLUTIONS - CHENNAI	08-05-2022	20-06-2022
38	112421631004	MBA	ALAGENDIRAN U	SRI SHIV SOLUTIONS - CHENNAI	08-05-2022	20-06-2022
39	112421631006	MBA	ARUNRAJ R	SRI SHIV SOLUTIONS - CHENNAI	08-05-2022	20-06-2022
40	112421631007	MBA	ASHA P	SRI KRISHNA AGENCY,CHENNAI	08-05-2022	20-06-2022
41	112421631012	MBA	BAVYA K	SRI KRISHNA AGENCY,CHENNAI	08-05-2022	20-06-2022
42	112421631014	MBA	BHARATHWAJ M	SRI KRISHNA AGENCY,CHENNAI	08-05-2022	20-06-2022
43	112421631019	MBA	CHARAN R	SRI KRISHNA AGENCY,CHENNAI	08-05-2022	20-06-2022
44	112421631020	MBA	CHITTI BABU M	SRI KRISHNA AGENCY,CHENNAI	08-05-2022	20-06-2022
45	112421631022	MBA	DEEPAK SELVA KUMAR S	SRI KRISHNA AGENCY,CHENNAI	08-05-2022	20-06-2022
46	112421622021	MCA	HARIHARAN J	CYBER SOFT SOLUTIONS,CHENNAI	22-07-2022	01-08-2022
47	112421622024	MCA	IMMANUVEL S	CYBER SOFT SOLUTIONS,CHENNAI	22-07-2022	01-08-2022
48	112421622026	MCA	JAYASURYA B	CYBER SOFT SOLUTIONS,CHENNAI	22-07-2022	01-08-2022
49	112421622029	MCA	JEEVITHA C	CYBER SOFT SOLUTIONS,CHENNAI	22-07-2022	01-08-2022
50	112421622033	MCA	KAMATCHI M	CYBER SOFT SOLUTIONS,CHENNAI	22-07-2022	01-08-2022
51	112421622034	MCA	KANISHKAR M	CYBER SOFT SOLUTIONS,CHENNAI	22-07-2022	01-08-2022
52	112421622036	MCA	KARTHICK S	YHILLS,CHENNAI	14-08-2022	07-09-2022
53	112421622037	MCA	KAVI PRIYA S	YHILLS,CHENNAI	14-08-2022	07-09-2022
54	112421622041	MCA	KOWSALYA R	YHILLS,CHENNAI	14-08-2022	07-09-2022
55	112421622042	MCA	KUMARI VN	YHILLS,CHENNAI	14-08-2022	07-09-2022
56	112421622046	MCA	MANOJ J	YHILLS,CHENNAI	14-08-2022	07-09-2022
57	112421622048	MCA	MONISHA V	YHILLS,CHENNAI	14-08-2022	07-09-2022
58	112421622049	MCA	NALINI S	YHILLS,CHENNAI	14-08-2022	07-09-2022




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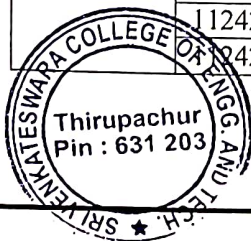
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1.3 MINI PROJECT DETAILS

AY 2022-2023

DEPARTMENT OF MECHANICAL ENGINEERING

BATCH NUMBER	REGISTER NUMBER	STUDENTS NAME	PROJECT TITLE	NAME OF THE GUIDE
1	112420114016	V. VETRIVEL	CHAINLESS BICYCLE PROJECT	MR RAJASEKAR MECH/AP
	112420114313	N. DIVAKAR		
	112420114307	R. ASHWATHRA		
	112420114361	P. PRADEEP KUMAR		
2	112420114339	R. KARTHIK	DESIGN AND FABRICATION PNEUMATIC VICE	MR RAJASEKAR MECH/AP
	112420114359	R. PINEGANESH		
	112420114344	K. MATHAN		
	112420114388	D. SARAVANAN		
3	112420114320	K. GOKULAN	DESIGN AND FABRICATION OF BALLISTIC IMPACT RESPONSE OF THE GLASS/NATURAL FIBER WITH NANO SILICA WITH EPOXY COMPOSITES	MR RAJASEKAR MECH/AP
	112420114327	M. GUNASEKARAN		
	112420114421	T. YUVARAJ		
	112420114323	T. GOPINATH		
4	112420114400	K. UDHAYAKUMAR	A STUDY OF EYE BLINK SENSOR ANTI SLEEP ALARM	MR. NANDHAKU MARMECH/AP
	112420114402	P. VASANTH		
	112420114408	P. VIGNESH		
5	112420114007	P. KAMESH	GEARLESS POWER TRANSMISSION	MR. NANDHAKU MARMECH/AP
	112420114310	S. CHANDRASEKAR		
	112420114009	S. MOHANDAS		
	112420114354	S. NIRANGA KUMAR		
6	112420114336	G. KARAN	FABRICATION OF AUTOMATIC BUMPER AND BRAKING SYSTEM	MR RAJASEKAR MECH/AP
	112420114379	M. SAKTHIVEL		
	112420114391	J. SEDHU BALA		
	112420114395	J. STEPHEN RAJ		
7	112420114409	R. VIGNESH	A STUDY ON SPEED BREAKUP POWER GENERATION	MR. NANDHAKU MARMECH/AP
	112420114423	Y. JAGADEESHWARAN		
	112420114373	P.J. RAKESH		
8	112420114004	M.DURGA PRASATH	DESIGN AND FABRICATION OF FOUR JACK MECHANISM	MR RAJASEKAR MECH/AP
	112420114005	D.K.EZHILARASAN		
	112420114305	K.ARUN PANDIAN		
	112420114302	M.ARAVINDAN		
9	112420114306	P. ARUN RAJ	DESIGN AND FABRICATION OF SIMPLE PORTABLE DRILLING EQUIPMENT	MR RAJASEKAR MECH/AP
	112420114309	A.BILAL MOHAMAD		
	112420114381	M. SAMUVEL RAJ		
	112420114317	K. FAHIM		



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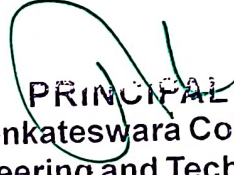
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10	112420114318	D. GANESH ARAVINDAN	DESIGN AND FABRICATION OF ELECTROMAGNETIC SUSPENSION SYSTEM	MR RAJASEKAR MECH/AP
	112420114350	R. NANDHAKUMAR		
	112420114367	V. RAGHUL		
	112420114386	M. SARAVANA KUMAR		
11	112420114352	M. NAVEEN KUMAR	DESIGN AND FABRICATION OF PAPER CUTTING MACHINE USING GENEVA MECHANISM	MR RAJASEKAR MECH/AP
	112420114324	P. GOWTHAM		
	112420114347	D.MURALI		
	112420114364	S. PRAVEEN KUMAR		
12	112420114001	K. BRAMAIYA	DESIGN AND FABRICATION OF ELECTROMAGNETIC BREAKING SYSTEM	MR RAJASEKAR MECH/AP
	112420114007	P. KISHORE		
	112420114301	ANBAZHAGAN		
	112420114312	S. DHANASEKAR		




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1.4 PROJECT DETAILS

AY 2022-2023

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

BATCH	REG NUMBER	STUDENT NAME	PROJECT TITLE	INTERNAL GUIDE
I	112419105006	RAKESHKUMAR J	IOT BASED SMART ENERGY METER WITH THEFT ALERT	V.SUPRIYA AP/EEE
	112419105007	SNEHA N		
	112419105306	NARESHKUMAR V		
	112419105309	RAMAMOORTHY L		
II	112419105005	PREMAVATHI C	THREE PHASE TRANSMISSION LINE FAULT DETECTION GROUND TO LINE FAULT	V.SUPRIYA AP/EEE
	112419105010	SUNILKUMAR B		
	112419105307	PARTHIBAN S		
	112419105310	SANTHOSH R		
III	112419105001	BALAJI M	DESIGN AND IMPLEMENTATION OF AUTOMATIC FIRE EXTINGUISHER ON ROAD VEHICLES BASED ON FAULT SECURE MULTI DETECTORS	S.S.DIVYA AP/EEE
	112419105004	PRAVEENKUMAR D		
	112419105008	SONIYA K		
	112419105011	THULASIRAMAN B		
IV	112419105009	SRIDEVI K	FULL- BRIDGE DC-DC CONVERTER AND BOOST DC-DC CONVERTER WITH RESONANT CIRCUIT FOR PLUG - IN HYBRID ELECTRIC VEHICLES	S.S.DIVYA AP/EEE
	112419105302	DEVANATHAN R		
	112419105305	KALANITHI R		
	112419105311	SURENDHAR A		
V	112419105002	HARISHKUMARAN A	ELECTRIC VEHICLES BATTERY MONITORING SYSTEM AND FIRE PROTECTION	S.GEETHA AP/EEE
	112419105303	GURUMOORTHY R		
	112419105304	JOTHIRAJAN T		
	112419105308	PRADEEPRAJ R		
	112419105312	VIJAY M		




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1.5 LABORATORY COURSES

Laboratory courses will help the students to learn through practical experience and experiments. The institution provides adequate infrastructural facilities and staff members required for the proper conducting of the laboratory works.

BRANCH	I YEAR	II YEAR	IIIYEAR	IV YEAR
CSE	2+2	4+3	3+(2+MINI PROJECT)	2+ PROJECT
ECE	2+2	3+2	3+3	2+PROJECT
IT	2+2	4+3	3+(2+MINI PROJECT)	2+PROJECT
MECH	2+2	4+3	3+(2+MINI PROJECT)	3+PROJECT
CIVIL	2+2	3+3	3+2	2+PROJECT
EEE	2+2	2+3	3+(2+MINI PROJECT)	2+PROJECT




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SAMPLE LABORATORY PHOTOS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING




PYTHON PROGRAMMING LAB

DEPARTMENT OF MECHANICAL ENGINEERING



MANUFACTURING TECHNOLOGY




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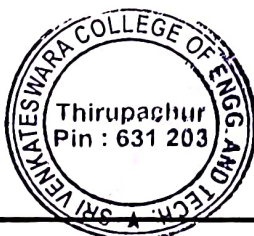
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CIRCUIT LAB

PHYSICS LAB




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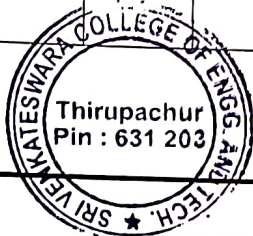
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2. PARTICIPATIVE LEARNING

2.1 GUEST LECTURE, SEMINAR AND WORKSHOP A Y 2022-2023

S.NO	DEPT	DATE	TOPIC	GUEST SPEAKER	FACULTY COUNT	STUDENTS
1.	CSE	04-11-2022	CYBER CRIME SECURITY	MR. RAMALINGAM (ASSO PROFESSOR LOYOLA INSTITUTE OF TECHNOLOGY)	4	46
2.	CSE	05.11.2022	THEORY OF COMPUTATION	DR..K.PRAVEEN (ASSOCIATE PROFESSOR ST PETERS COLLEGE OF ENGINEERING)	5	55
3.	CSE	09.11.2022	PYTHON WEB APPLICATION FRAMEWORK	MR. SURESH KUMAR, (ASSISTANT PROFESSOR, DEPARTMENT OF CSE, SIDDHARTH ENGINEERING COLLEGE.)	6	50
4	EEE	18.11.2022	LPG GAS LEVEL MONITORING AND LEAKAGE DETECTION SYSTEM	MR.M. ARUMUGAM ((PRICIPAL ASSOCIATE PROFESSOR / EEE GRT IET)	8	54
5.	EEE	13.02.2023 TO 20.02.2023	DATA ANALYTICS	DR.M.R.MVEERAMANIKKAM /(ASSOCIATE PROFESSOR,CHITKARA UNIVERSITY (ICT-ACADEMY)	4	54
6	EEE	22.02.2023	CYBER SECURITY AND ETHICAL HACKING	DR.MANIKASWAMY,(ASSOCIATE PROFESSOR,SIDDHARTH ENGINEERING COLLEGE)	6	84
7	EEE	02.03.2023	ARTIFICIAL INTELLIGENCE	DR. UMADEVI (ASSOCIATE PROFESSOR, VELS UNIVERSITY)	5	121
8	ECE	13.03.2023 TO 20.03.2023	DATA ANALYTICS	DR.SARGUNAVATHI.S/ASSOCIATE PROFESSOR,SREC)	4	58
9	CSE	26.03.2023	WEB DEVELOPMENT USING TYPESCRIPT AND ANGULAR	DR.KAMAL (ASSOCIATE PROFESSOR,GRTIET)	6	95



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REPORT ON WORKSHOP

PLACE: SRI VENKATESWARA COLLEGE OF ENGINEERING AND TECHNOLOGY

YEAR : II & III

BRANCH: DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


STRENGTH: 120

The Department of Computer Science and Engineering hosted a hands-on training workshop on AR & VR on February 21, 2023, for second and third-year students. The session, facilitated by Mr. Ramalingam, provided insights in Cyber Crime Security technology essentials and emphasized the significance using applications.



AR & VR HANDS ON TRAINING AT SVCET,




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REPORT ON GUEST LECTURE

PLACE: SRI VENKATESWARA COLLEGE OF ENGINEERING AND TECHNOLOGY

YEAR : III

BRANCH: DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STRENGTH : 60

The Department of Computer Science and Engineering hosted a Guest Lecture on the Theory of Computation, facilitated by Dr. K.Praveen, on February 21, 2023, for Second-year students. During this event, students delved into the fundamentals of Gaming Technology and explored the significance of innovative technical problem-solving approaches through practical applications.



THEORY OF COMPUTATION AT SVCET, 05.02.2023



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2.2 CLUB ACTIVITIES

S.N O	NAME OF THE CLUB	NAME OF EVENTS ORGANIZED	DEPARTMENT	FACULTY COORDINATOR
1	NSS	1. TREE SAMPLING PLANTATION PROGRAM 2. SWATCH BHARAT PROGRAM	AP/EEE	MR.M.NAMACHI VAYAM
2	YRC	CLEANING ACTIVITY IN NEARBY SCHOOL	AP/EEE	MR.M.NAMACHI VAYAM
3	SPORTS CLUB	INTEGRATING YOGA AND FITNESS INTO EVERYDAY LIFE	AP/ECE	MRS.S.ANUSHA
4	PROJECT EXHPO CLUB	RECENT TRENDS & DEVELOPMENT OF RESEARCH METHODOLOGY	ASSO/EEE	DR.N.SIVASUBRA MANIAN
5	LEO CLUB	1.LNAUGRTION AND CHARTER PRESENTATION CEREMONY 2.SEMINAR ON LEADERSHIP SKILL DEVELOPMENT 3.MEGA TREE PLANTATION PROJECT 4.ANNUAL LEO FORUM	AP/ECE	MR. RAJESHKUMAR
6	WOMEN EMPOWERMENT CELL	1.THE POWER OF WOMEN 2.WOMEN'S HEALTH	AP/MBA	MRS.V. PRIYA
7	E-GREEN CLUB	SVCET CAMPUS CLEANING	AP/S&H	DR. SILAMBARASAN
8.	ECHO- SWACHHCLUB	1.SAPLINGS PLANTATION PROGRAM 2.TREE PLANTATION	AP/MCA	MRS N. JAYAKUMARI
9.	ENGLISH LITERARY CLUB	1.WEBINAR ON EMOTIONAL INTELLIGENCE IN COMMUNICATION	AP/S&H	MS. NISHA.G. L
10.	FILM MAKERS CLUB	1.POSTER MAKING 2.SHORT FILM	AP/ECE	MRS. E.MURALI




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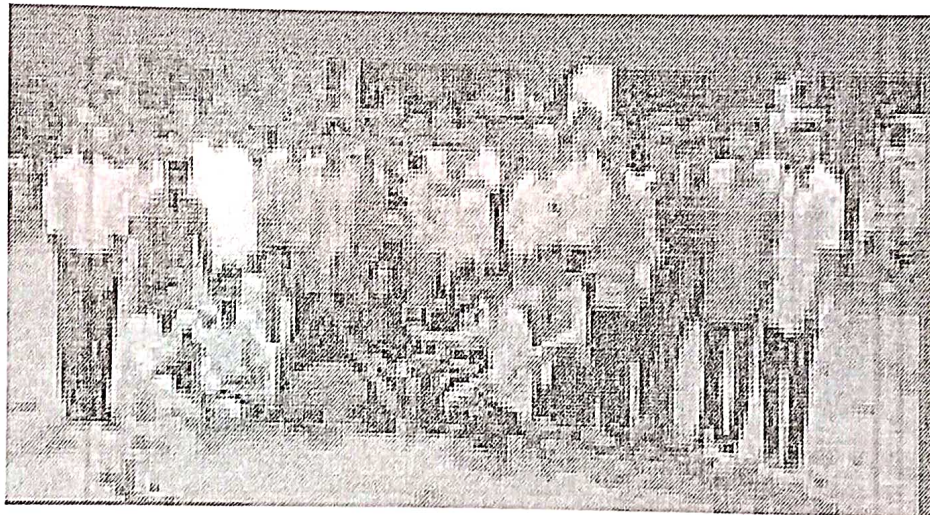
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SAMPLE PHOTOS



LEO CLUB, ANNUAL LEO FORUM AT SVCET- 06.05.2023



ECHO-SWACHH CLUB, TREE PLANTATION AT SVCET- 17.03.2023




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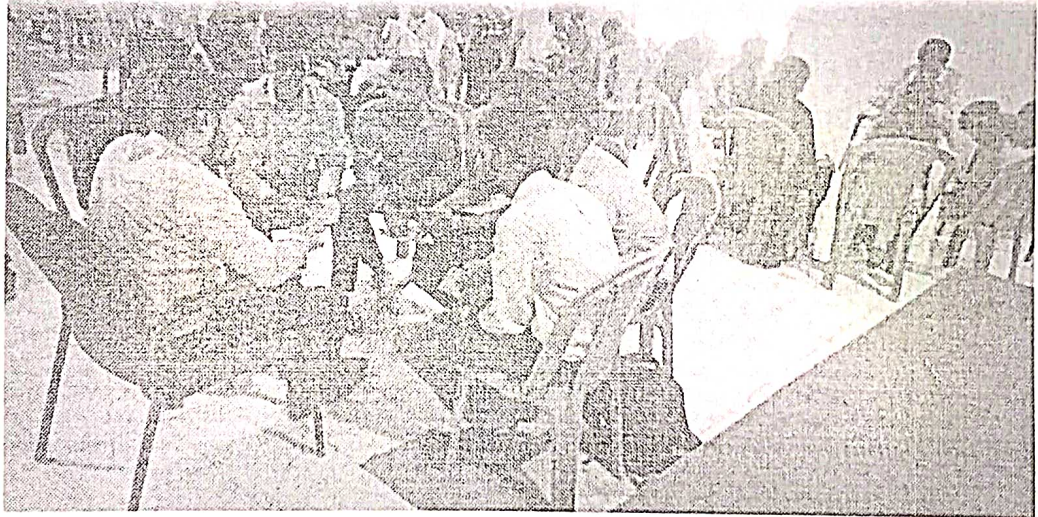
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2.3 GROUP DISCUSSION


DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

The Department of Master of Business Administration arranged a Group Discussion session on "Union Budget 2022-2023" on November 25, 2021, for MBA students. The participants were divided into 5 groups, totalling 30 students, and the event was overseen by Mrs. Priya.V, Assistant Professor of MBA. The discussion proved beneficial as it provided students with insights into the functioning of the Union Budget across various sectors. Additionally, it served as an opportunity for students to enhance their communication skills.



GROUP DISCUSSION ON UNION BUDGET 2023-2024 AT SVCET- 25-11-2022




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2.4 STUDENT PARTICIPATION IN INTERNAL AND EXTERNAL EVENTS

Our students had taken part in a range of competitions held at several colleges. They actively participated and won prizes under the guidance of our staff members

S.N O	DEPT	ROLL NO	STUDENT NAME	COLLEGE NAME	EVENT	DATE	PARTICIP ATED/ WINNERS
1	III/ CIVIL	112420103315	MURUGAN M K	RAJALAKSHMI ENGINEERING COLLEGE	SYMPOSIUM	29-10- 2022	PARTICIP ATED
2	III/ MECH	112420114016	V. VETRIVEL	RAJALAKSHMI ENGINEERING COLLEGE	SYMPOSIUM	29-10- 2022	PARTICIP ATED
3	III/ CSE	112419104013	KAVIDHANJAL I P	PANIMALAR ENGINEERING COLLEGE	PAPER PRESENTATI ON	25-11- 2022	PARTICIP ATED
4	III/ ECE	112419106023	VASIGARAN S	PANIMALAR ENGINEERING COLLEGE	PAPER PRESENTATI ON	25-11- 2022	PARTICIP ATED
5	III/ EEE	112420105003	SHRIHARI.T. K	PANIMALAR ENGINEERING COLLEGE	PAPER PRESENTATIO N	25-11- 2022	PARTICIP ATED
6	III/ CIVIL	112420103304	DEEBANAND N	PANIMALAR ENGINEERING COLLEGE	PAPER PRESENTATI ON	25-11- 2022	PARTICIP ATED
7	III/ EEE	112420105330	MANIKANDAN. P	PANIMALAR ENGINEERING COLLEGE	PAPER PRESENTATI ON	25-11- 2022	PARTICIP ATED
8	III/ EEE	112420105333	NARENDIRAN. M. G	S.A. ENGINEERING COLLEGE	TECHNICAL QUIZ	13-03- 2023	PARTICIP ATED
9	III/ EEE	112420105335	NITHISH.M	EASWARI ENGINEERING COLLEGE	CIRCUITRIX	23-03- 2023	PARTICIP ATED
10	III/ CSE	112419104006	DEEPIKA R	PRATHYUSHA ENGINEERING COLLEGE	SYMPOSIUM	25-03- 2023	PARTICIP ATED



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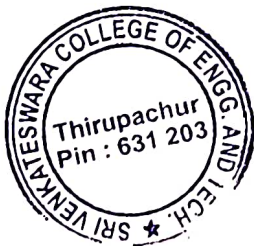



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11	III/ MECH	112420114313	N. DIVAKAR	PRATHYUSHA ENGINEERING COLLEGE	SYMPOSIUM	25-03- 2023	PARTICIP ATED
12	III/ CIVIL	112420103309	KARTHICK M	PRATHYUSHA ENGINEERING COLLEGE	SYMPOSIUM	25-03- 2023	PARTICIP ATED
13	III/ECE	112419106025	VIJAY S	PRATHYUSHA ENGINEERING COLLEGE	SYMPOSIUM	25-03- 2023	PARTICIP ATED
14	III/ECE	112419106002	DIVYA A	PANIMALAR ENGINEERING COLLEGE	SYMPOSIUM	25-03- 2023	PARTICIP ATED
15	III/CSE	112419104014	LAKSHMI SINDHURA A	S.A. ENGINEERING COLLEGE	TECHNICAL QUIZ	28-03- 2023	PARTICIP ATED
16	III/ MECH	112420114307	R. ASHWATHRA	S.A. ENGINEERING COLLEGE	TECHNICAL QUIZ	28-03- 2023	PARTICIP ATED
17	III/ MECH	112420114361	P. PRADEEP KUMAR	S.A. ENGINEERING COLLEGE	TECHNICAL QUIZ	28-03- 2023	PARTICIP ATED
18	III/ CIVIL	112420103309	KARTHICK M	CRESENT ENGINEERING COLLEGE	PAPER PRESENTATI ON	31-03- 2023	PARTICIP ATED
19	III/ CIVIL	112420103310	KEERTHIVASA N E	CRESENT ENGINEERING COLLEGE	PAPER PRESENTATI ON	31-03- 2023	PARTICIP ATED
20	III/ CIVIL	112420103314	MARAN B	CRESENT ENGINEERING COLLEGE	PAPER PRESENTATI ON	31-03- 2023	PARTICIP ATED




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2.5 ACTIVITY BASED LEARNING

SUBJECT: CS359 L COMPUTER NETWORKS (III YEAR/V SEM)

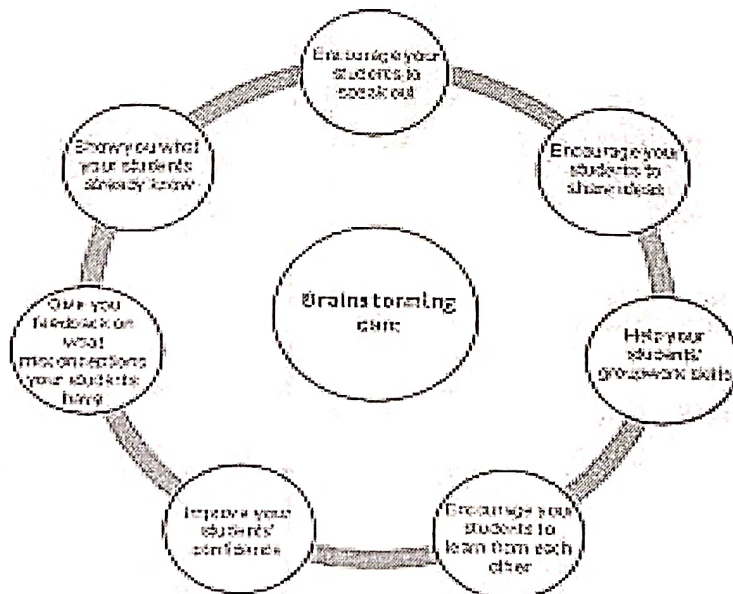
TOPIC: NETWORK LAYER

METHODOLOGY: BRAINSTORMING

TYPE: GROUP ACTIVITY

ABSTRACT OF THE ACTIVITY

Entire class was clustered as four member teams and a team lead got elected for each team. Each team chooses a topic. They searched about the topics in various sources from the network layer. They have consolidated the summary as purpose of introducing the network testing, analysis of the Network layer function.



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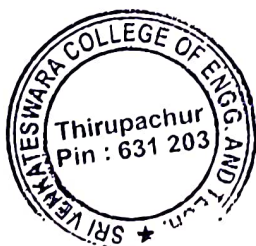
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3. PROBLEM SOLVING METHODOLOGIES

3.1 TUTORIAL

CS8501 THEORY OF COMPUTATION

S.NO	TOPIC	UNIT	TEACHING AIDS
1.	INTRODUCTION TO FORMAL PROOF	I	BLACKBOARD, UNIVERSITY QP
2.	DETERMINISTIC FINITE AUTOMATION	I	BLACKBOARD, UNIVERSITY QP
3.	FINITE AUTOMATA WITH EPSILON TRANSITIONS	I	BLACKBOARD, UNIVERSITY QP
4.	FA AND REGULAR EXPRESSIONS	II	BLACKBOARD, UNIVERSITY QP
5.	CLOSURE PROPERTIES OF REGULAR LANGUAGES	II	BLACKBOARD, UNIVERSITY QP
6.	EQUIVALENCE AND MINIMIZATION OF AUTOMATA	II	BLACKBOARD, UNIVERSITY QP
7.	AMBIGUITY IN GRAMMARS AND LANGUAGES	III	BLACKBOARD, UNIVERSITY QP
8.	DEFINITION OF THE PUSHDOWN AUTOMATA	III	BLACKBOARD, UNIVERSITY QP




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9.	DETERMINISTIC PUSHDOWN AUTOMATA	III	BLACKBOARD, UNIVERSITY QP
10.	NORMAL FORMS FOR CFG	IV	BLACKBOARD, UNIVERSITY QP
11.	PUMPING LEMMA FOR CFL	IV	BLACKBOARD, UNIVERSITY QP
12.	PROGRAMMING TECHNIQUES FOR TM.	IV	BLACKBOARD, UNIVERSITY QP
13.	NON-RECURSIVE ENUMERABLE (RE) LANGUAGE	V	BLACKBOARD, UNIVERSITY QP
14.	UNDECIDABLE PROBLEM WITH RE	V	BLACKBOARD, UNIVERSITY QP
15.	UNDECIDABLE PROBLEMS ABOUT TM	V	BLACKBOARD, UNIVERSITY QP



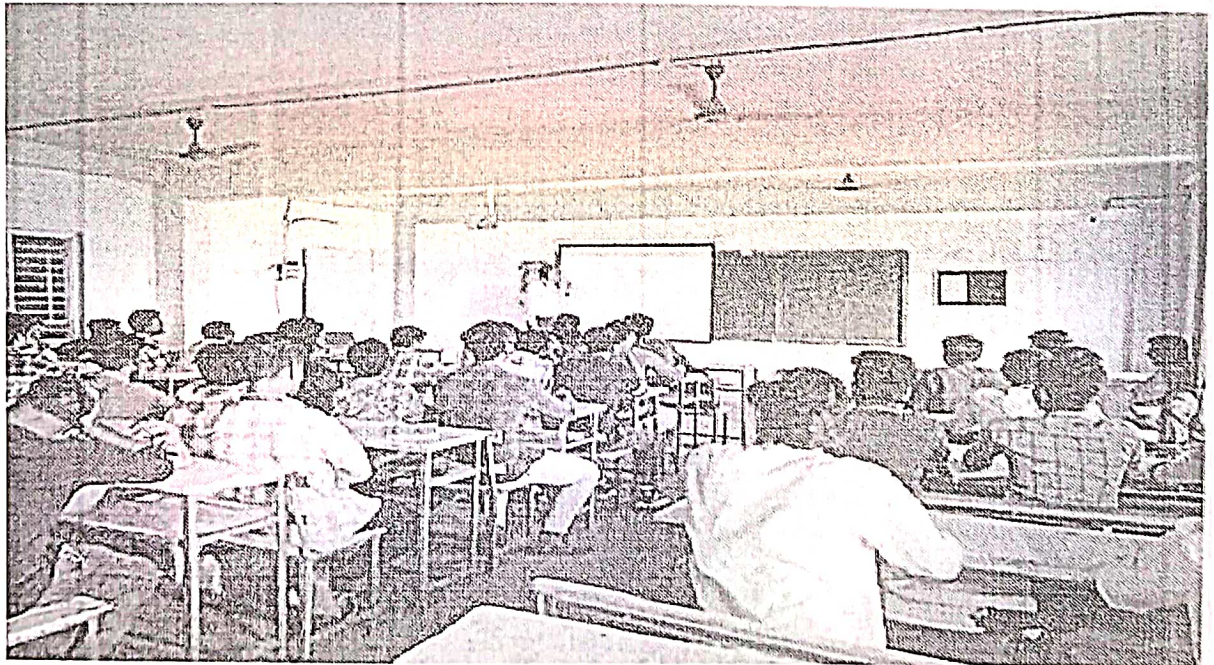
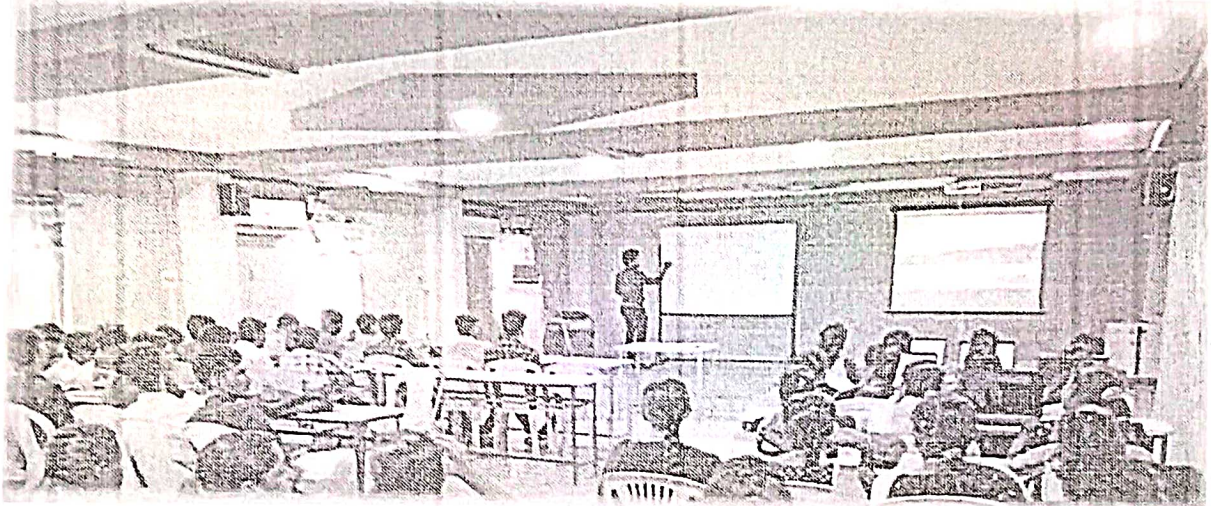

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SAMPLE PHOTOS




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QUESTION PAPER



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2022-2023
INTERNAL ASSESSMENT TEST - 2

SUB CODE : CS801

SUB NAME : THEORY OF COMPUTATION

SEM/YEAR : VIII

DATE : 15.10.2022

MAX MARKS: 50

DURATION : 1.30 HRS

PART -A(7 X 2=14 MARKS)

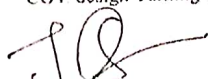
ANSWER ALL THE QUESTIONS

Q.NO	QUESTIONS	M	CO	BTL
1	What is mean by Context Free Grammar? Write any 2 applications.	2	3	2
2	Find L(G) where $G = (\{S\}, \{0,1\}, \{S \rightarrow 0S1, S \rightarrow \epsilon\}, S)$	2	3	1
3	Give the steps to eliminate useless symbols.	2	3	2
4	Show that $E \rightarrow E + E / E * E / (E) / id$ is ambiguous.	2	3	5
5	Construct the grammar for the language $L = \{ a^n b a^n \mid n \geq 1 \}$.	2	3	5
6	What are the different types of language acceptances by a PDA and define them?	2	3	2
7	Define Deterministic PDA.	2	4	1

PART - B (2X13=26 Marks)

Q.NO	QUESTIONS	M	CO	BTL
8	(i) Check Whether the grammar $S \rightarrow aSbS bSaS \epsilon$ is ambiguous or not? (6) (ii) Design a PDA for the language $L = \{ a^n b^n \}$ when $n \geq 1$. (6)	12	3	3
9	(i) Construct a PDA that recognizes the language $\{ a^k b^j c^l \mid l, j, k > 0 \text{ and } i=j \text{ or } i=k \}$. (6) (ii) Discuss about PDA acceptance (6) (1) From empty Stack to final state. (2) From Final state to Empty Stack.	12	3	5
10	(i) Construct a PDA Equivalent to following CFG Productions. $(6) S \rightarrow aAA \quad A \rightarrow aS bS a$ (ii) If L is Context free language then prove that there exists PDA M such that $L = N(M)$. (7)	12	4	2

CO3: Write Context free grammar for any construct.
CO4: design Turing Machines for any languages


FACULTY INCHARGE


HEAD INCHARGE / CSE



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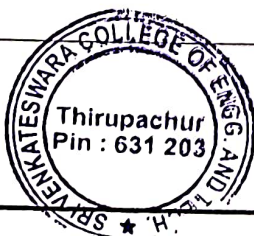
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3.2. VALUE ADDED COURSE

HANDS ON TRAINING FOR CODING TOOL-PYTHON

YEAR/BRANCH: IV/ CSE & ECE ACADEMIC YEAR :2022-2023 DURATION: 36 HOURS

S NO	DATE	HOURS	TIME	TOPIC	FACULTY DETAILS
DAY 1					
1	8-3-2023	1,2	8.00-9.45	INTRODUCTION OF PYTHON PROGRAMMING LANGUAGE	SEVENTH SENSE SOLUTION
		3,4,5	10.00-12.30		
		6,7	1.00-2.50		
DAY 2					
2	9-3-2023	1,2	8.00-9.45	INTRODUCTION - SET ENVIRONMENT VARIABLE	SEVENTH SENSE SOLUTION
		3,4,5	10.00-12.30		
		6,7	1.00-2.50		
DAY 3					
3	10-3-2023	1,2	8.00-9.45	SYNTAX INTRODUCTION, PYTHON IDENTIFIER AND KEYWORDS	SEVENTH SENSE SOLUTION
		3,4,5	10.00-12.30		
		6,7	1.00-2.50		
DAY 4					
4	11-3-2023	1,2	8.00-9.45	PYTHON LITERALS - CLASS NAMES, VARIABLE NAMES, FUNCTION NAMES.	SEVENTH SENSE SOLUTION
		3,4,5	10.00-12.30		
		6,7	1.00-2.50		
DAY 5					
5	11-3-2023	1,2	8.00-9.45	PURPOSE/USE OF COMMENTS IN COMPUTER PROGRAMMING- PYTHON OPERATORS PRECEDENCE.	SEVENTH SENSE SOLUTION
		3,4,5	10.00-12.30		
		6,7	1.00-2.50		
DAY 6					
ASSESSMENT					




PRINCIPAL

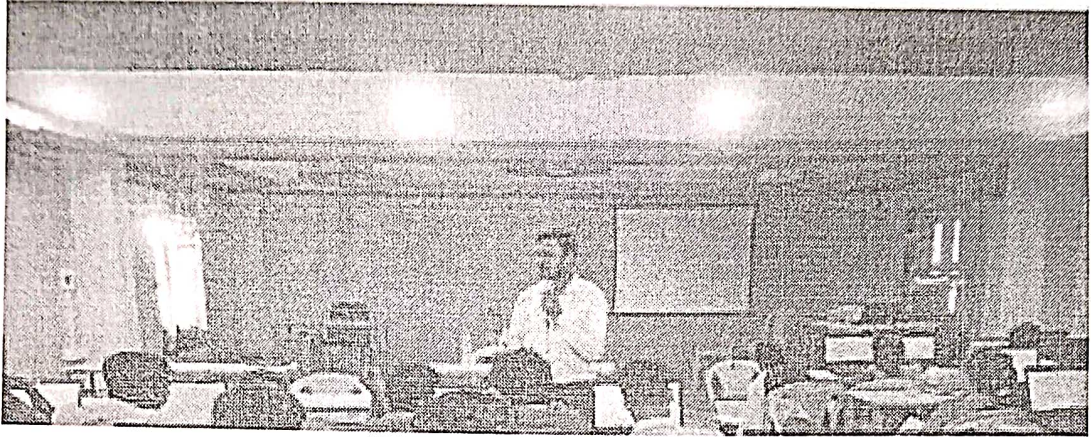
Sri Venkateswara College of
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SAMPLE PHOTOS



HANDS ON TRAINING FOR CODING TOOL-PYTHON AT SVCET, 13.03.2023




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3.3 ASSIGNMENTS


CONSTRUCTION TECHNOLOGY

Assignment is a part of activity and exercises that enable students acquire useful knowledge about subject. Students are asking to submit all the assignment before the IAT II examination.

INSTRUCTIONS FOR THE STUDENTS:

1. Students should submit the assignment I and II on or before IAT-I examination.
2. Students should submit the assignment III and IV on or before IAT-II examination.




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YEAR/SEM: IV/III •		DATE: 31-01-2023	
SUBJECTCODE: CVA001		SUBJECT: CONSTRUCTION TECHNOLOGY	
Q.NO	ASSIGNMENT QUESTIONS	CO	BLOOMS TAXONOMY LEVEL
1	Explain in detail about System of units and its Conversion of units.	CO1	BTL1
2	Write down the building bye law regulation for residential area	CO2	BTL2
3	Discuss in detail about the Estimation of quantities of RCC Elements	CO3	BTL3
4	Enumerate the Bar bending schedule in structural elements.	CO4	BTL4
5	Explain in detail about foundation and its type.	Co5	BTL5


COURSE OUTCOMES:

- CO1: To learn the fundamental units of materials used in construction
- CO2: To know the specifications used for building planning
- CO3: To learn the abstract Estimates of Buildings
- CO4: To understand the effect of bar bending in reinforced concrete.
- CO5: To know the field works in construction


FACULTY INCHARGE


HEAD INCHARGE / CIVIL




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