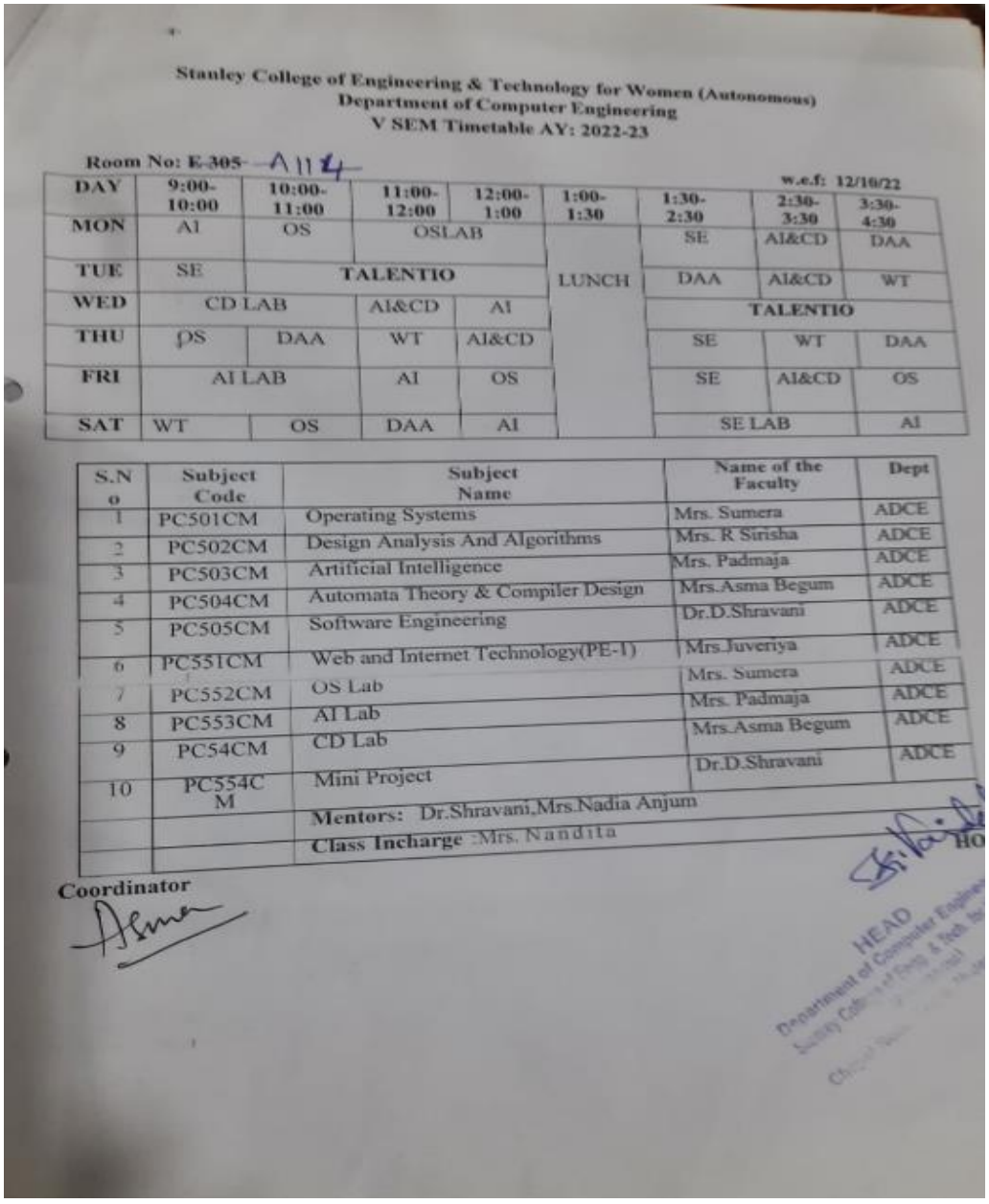
2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experience and teachers use ICT- enabled tools including online resources for effective teaching and learning process.

CRT Timetable



Stanley College of Engineering & Technology for Women (Autonomous)
Department of Computer Engineering
V SEM Timetable AY: 2022-23

Room No: E-305- A114

w.e.f: 12/10/22

DAY	9:00-10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-1:30	1:30-2:30	2:30-3:30	3:30-4:30
MON	AI	OS	OSLAB			SE	AI&CD	DAA
TUE	SE	TALENTIO			LUNCH	DAA	AI&CD	WT
WED	CD LAB		AI&CD	AI		TALENTIO		
THU	OS	DAA	WT	AI&CD		SE	WT	DAA
FRI	AI LAB		AI	OS		SE	AI&CD	OS
SAT	WT	OS	DAA	AI		SE LAB		AI

S.No	Subject Code	Subject Name	Name of the Faculty	Dept
1	PC501CM	Operating Systems	Mrs. Sumera	ADCE
2	PC502CM	Design Analysis And Algorithms	Mrs. R Sirisha	ADCE
3	PC503CM	Artificial Intelligence	Mrs. Padmaja	ADCE
4	PC504CM	Automata Theory & Compiler Design	Mrs.Asma Begum	ADCE
5	PC505CM	Software Engineering	Dr.D.Shravani	ADCE
6	PC551CM	Web and Internet Technology(PE-1)	Mrs.Juveriya	ADCE
7	PC552CM	OS Lab	Mrs. Sumera	ADCE
8	PC553CM	AI Lab	Mrs. Padmaja	ADCE
9	PC54CM	CD Lab	Mrs.Asma Begum	ADCE
10	PC554CM	Mini Project	Dr.D.Shravani	ADCE
		Mentors: Dr.Shravani,Mrs.Nadia Anjum		
		Class Incharge :Mrs. Nandita		

Coordinator

HEAD
Department of Computer Engineering
Stanley College of Engg. & Tech. for Women

Student Participation in Clubs

STANLEY
COLLEGE OF ENGINEERING & TECHNOLOGY FOR WOMEN
(Private Un-aided Non-minority UGC Autonomous Institution)

A Report on

Robotex Club Inaugural Ceremony on the Occasion of Anniversary Celebration of Department of Artificial Intelligence & Data Science and Computer Engineering

The Robotex Club inaugural ceremony was held on 29-11-22, in the college premises at Seminar Hall, on the occasion of Anniversary of AI&DS and CME department. The event was formally inaugurated by Principal Dr. Satya Prasad Lanka, in the presence of HOD, other staff, students and club members of AI&DS and CME Department. The inaugural speech was given by the Principal of our college. Dr.K.Vaidehi HOD of AI&DS and CME Department spoke about the importance of robotics in the modern world.

The faculty coordinators of Robotex club are Mrs. Sumera, Mrs.Nasira Mahjabeen and Mrs. T Padmaja , Assistant Professors of AI&DS and CME department. The main motto of the robotex club is "We Initiate We Build". The goal of the club was to encourage young minds to think creatively and set forth a means of expressing their skills, knowledge, and creativity. The goal and objectives were explained by the faculty coordinators.

The student coordinators of robotex club are Ms. Satwika from III sem AI&DS, Ms. Khansa Nazeer, Ms. Sumayya and Ms. Vaishnavi from V sem CME and Ms. Shriya from V sem AI&DS. Student registration was done and 100 students registered for the club. A logo competition was held for students and a winner was selected.

A Drone was prepared and presented by students on inaugural day. Students of III sem AI&DS demonstrated the construction and working of a Drone. Internship experience on Robotics Automation on web scraping were shared by Ms. Khansa Nazeer of V sem CME. Insights on Metaverse technology (Augmented Reality and Virtual Reality) were provided by Ms. Lasya Priya.

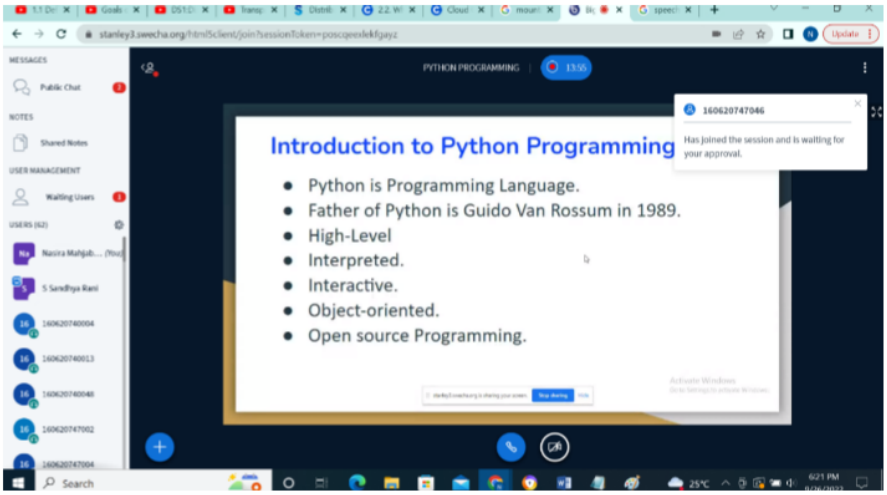
As a token of appreciation students who demonstrated drone application and the club logo competition winner were given presents. The students of AI&DS and CME department have actively participated. The meeting ended with the vote of thanks by coordinator Ms. Sumera Assistant Professor of AI&DS.

FDP,Workshops,Events

Event: Python Programming (Online workshop)

Coordinators: Ms.Nasira Mahjabeen

Dates:26.09.2022-01.10.2023



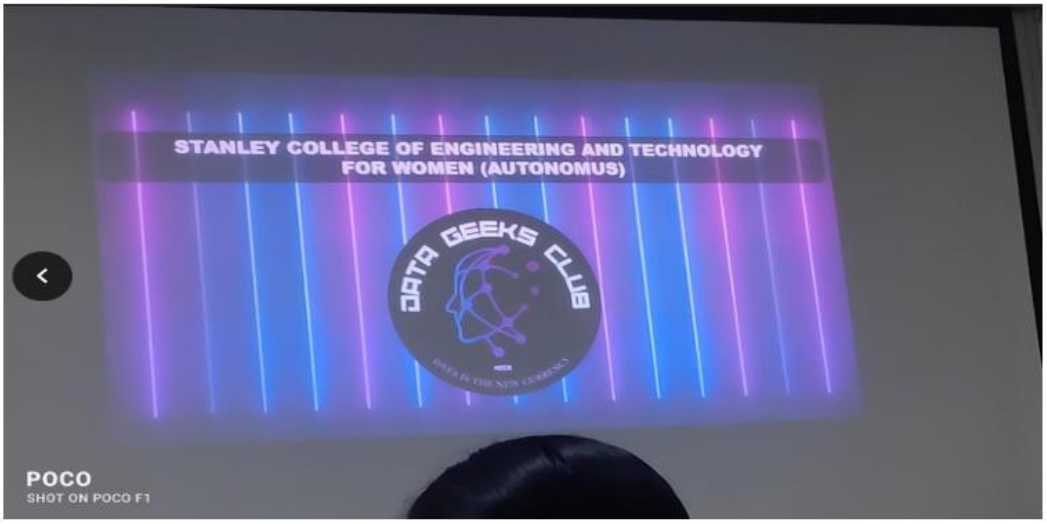
Club Activities

Data geeks Club

Event: Inaugration

Coordinators:Ms.Lavanya Marella,Ms.Nadita

Date:22.11.2022



Cultural Events

Record of presentations

Event: POSTER PRESENTATION(International women's Day)

Date:06.03.2023

Coordinators:Ms.Swapna.C

Project Expo:

OU Schema

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VII - SEMESTER
(COMPUTER ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P / D	Contact Hrs / Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	PC 701 CM	Machine Learning	3	-	-	3	30	70	3	3
2.	PC 702 CM	Natural Language Processing	3	-	-	3	30	70	3	3
3.	PE 7XX CM	Professional Elective – IV	3	-	-	3	30	70	3	3
4.	PE 7XX CM	Professional Elective – V	3	-	-	3	30	70	3	3
5.	OE -II	Open Elective – II	3	-	-	3	30	70	3	3
Practical / Laboratory Courses										
6.	PC 751 CM	Machine Learning Lab	-	-	2	2	25	50	3	1
7.	PW 752 CM	Project Work – I	-	-	2	2	-	50	3	2
8.	SI 671 CM	Summer Internship	-	-	-	-	25	25	3	2
			15	**-**	**04**	**19**	**200**	**475**		**20**

Professional Elective – IV			**Professional Elective – V**	
Course Code	**Course Title**		**Course Code**	**Course Title**
PE 741CM	Big Data Analytics		PE 751 CM	Semantic Web
PE 742CM	Speech Processing & Synthesis		PE 752 CM	Distributed Systems
PE 743CM	Digital Forensics		PE 753 CM	Optimization Techniques
PE 744CM	Web Analytics		PE 754 CM	Computer Vision

Open Elective – II		
1	OE603EE	Non-Conventional Energy Sources (Not for EEE & EIE Students)
2	OE604EE	Transducers and Sensors (Not for EEE & EIE Students)
3	OE621AE	Automotive maintenance (Not for Auto. Engg. students)
4	OE621ME	Industrial Robotics (Not for Mech Engg & Prod. Engg. students)
5	OE811CE	Green Building Technologies (Not for Civil Engg. Students)
6	OE802CS	Data Science Using R Programming (Not for CSE Students)
7	OE 816 IT	Cyber Security (Not for IT Students)

Autonomous Schema

SCHEME OF INSTRUCTION & EXAMINATION
B.E (INFORMATION TECHNOLOGY)
VII Semester

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Course										
1.	PC701IT	Internet of Things	3	-	-	3	30	70	3	3
2.	PC702IT	Big Data Analytics	3	-	-	3	30	70	3	3
3	OE-II	Open Elective II	3	-	-	3	30	70	3	3
4.	PE-III	Professional Elective-III	3	-	-	3	30	70	3	3
5.	PE-IV	Professional Elective IV	3	-	-	3	30	70	3	3
Practical/Laboratory Courses										
5	PC751IT	Internet Of Things Lab	-	-	2	2	25	50	3	1
6	PW752IT	Project Work–I	-	-	6	6	50	-	-	3
7	SI651IT	Summer Internship	-	-	-	-	50	-	-	2
Total			15	-	08	23	275	400	18	21

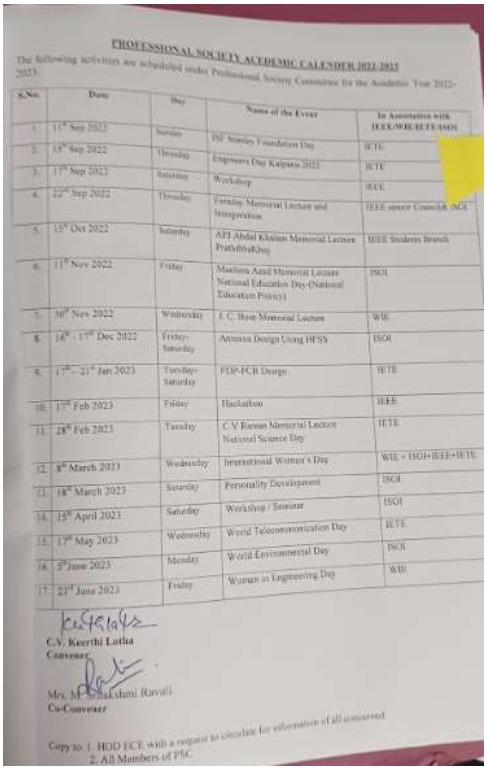
PC: Professional Core; **PE**: Professional Elective; **HS**: Humanities and social Science;
MC: Mandatory; **L**: Lecture; **T**: Tutorial; **P**: Practical
CIE: Continuous Internal Evaluation; **SEE**: Semester End Examination (Univ.Exam)

Note:

1. Each contact hour is one clock hour.
2. The duration of practical class is two hours, however it can be extended whenever necessary to enable the students to complete the program.

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experience and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Department of Electronics and Communication Engineering



PROFESSIONAL SOCIETY ACEDEMIC CALENDER 2022-2023

The following activities are scheduled under Professional Society Committee for the Academic Year 2022-2023.

S.No.	Date	Day	Name of the Event	In Association with IEEE/WIE/IETE/ISOI
1.	11th Sep 2022	Sunday	Dr. Stanley Foundation Day	IETE
2.	15th Sep 2022	Thursday	Engineers Day Kalpana 2022	IETE
3.	17th Sep 2022	Saturday	Workshop	IEEE
4.	22nd Sep 2022	Thursday	Faraday Memorial Lecture and Inauguration	IEEE senior Councelor ISOI
5.	15th Oct 2022	Saturday	APJ Abdul Khalam Memorial Lecture PratibhaDiwa	IEEE Students Branch
6.	11th Nov 2022	Friday	Maulana Azad Memorial Lecture National Education Day-(National Education Policy)	ISOI
7.	30th Nov 2022	Wednesday	J. C. Bose Memorial Lecture	WIE
8.	16th - 17th Dec 2022	Friday-Saturday	Antenna Design Using HFSS	ISOI
9.	17th – 21st Jan 2023	Tuesday-Saturday	FDP-PCB Design	IETE
10.	17th Feb 2023	Friday	Hackathon	IEEE
11.	28th Feb 2023	Tuesday	C.V Raman Memorial Lecture National Science Day	IETE
12.	8th March 2023	Wednesday	International Women's Day	WIE + ISOI+IEEE+IETE
13.	18th March 2023	Saturday	Personality Development	ISOI
14.	15th April 2023	Saturday	Workshop / Seminar	ISOI
15.	17th May 2023	Wednesday	World Telecommunication Day	IETE
16.	5thJune 2023	Monday	World Environmental Day	ISOI
17.	23rd June 2023	Friday	Women in Engineering Day	WIE

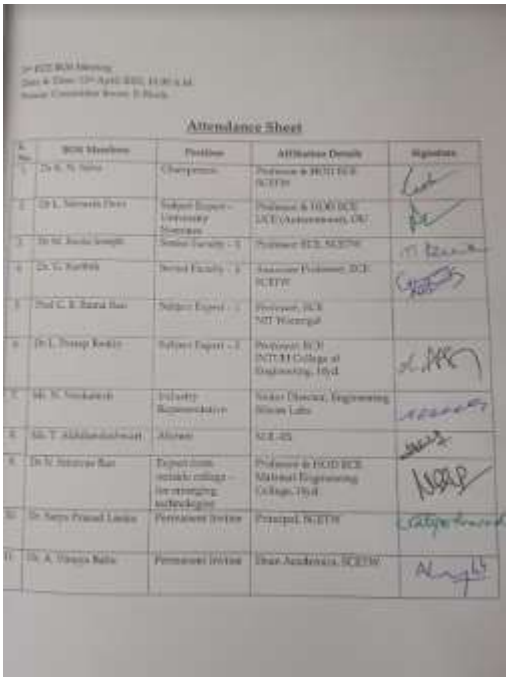
C.V. Keerthi Latha
Convener

Mrs. M. Lakshmi Ravali
Co-Convener

Copy to: 1. HOD ECE with a request to circulate for information of all concerned
2. All Members of PSC

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experience and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Department of Electronics and Communication Engineering



Attendance Sheet

S. No.	BOS Members	Position	Affiliation Details	Signature
1	Dr K. N. Hari	Chairperson	Professor & HOD ECE SCETW	
2	Dr L. Narsimha Dora	Subject Expert - University Nominee	Professor & HOD ECE UCE(Autonomous), OU	
3	Dr M. Ravi Sankar	Senior Faculty - 1	Professor ECE, SCETW	
4	Dr. G. Karthik	Senior Faculty - 2	Associate Professor, ECE SCETW	
5	Prof C. B. Rama Rao	Subject Expert - 1	Professor, ECE NIT Warangal	
6	Dr L. Pratap Reddy	Subject Expert - 2	Professor, ECE NICMAR College of Engineering, Hyd.	
7	Mr. N. Venkatesh	Industry Representative	Senior Director, Engineering Silicon Labs	
8	Mr. T. Abdulmuthuvali	Alumni	ECE-05	
9	Dr N. Srinivas Rao	Expert from outside college - for emerging technologies	Professor & HOD ECE Mahaveer Engineering College, Hyd.	
10	Dr. Satya Prasad Lanka	Permanent Invitee	Principal, SCETW	
11	Dr. A. Dinesh Babu	Permanent Invitee	Dean Academics, SCETW	

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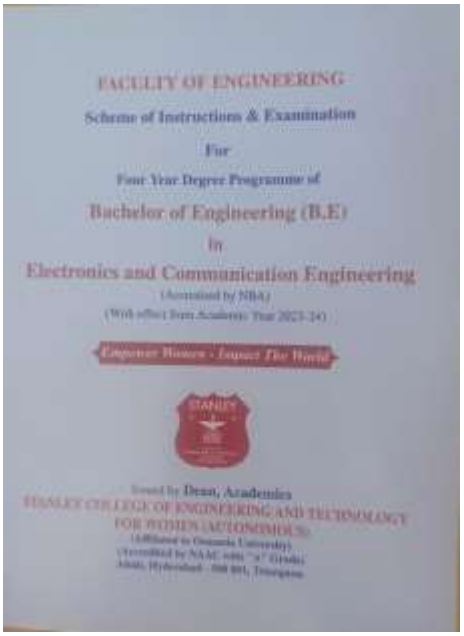
Department of Electronics and Communication Engineering


FACULTY OF ENGINEERING

Scheme of Instructions & Examination

For

Four Year Degree Programme of

Bachelor of Engineering (B.E)

In

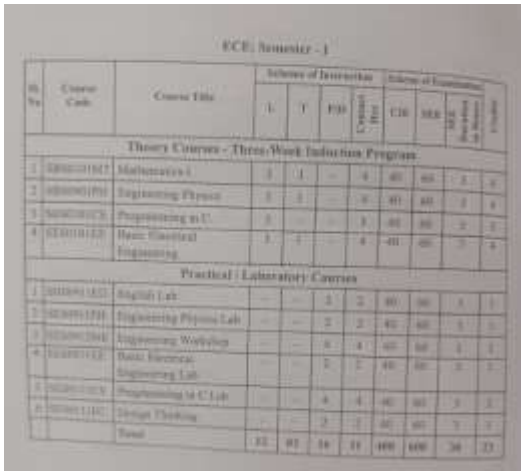
Electronics and Communication Engineering

(Accredited by NBA)

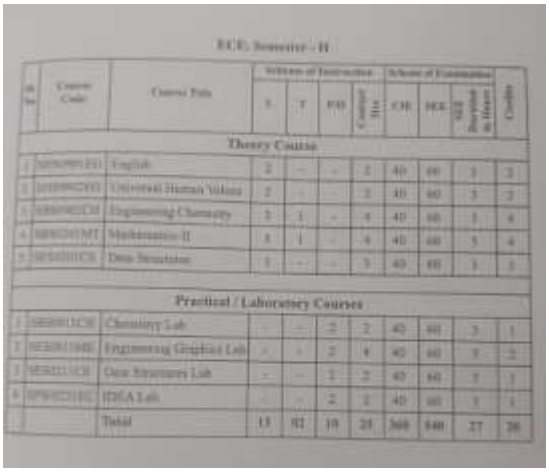
(With effect from Academic Year 2023-24)

Empower Women - Impact The World

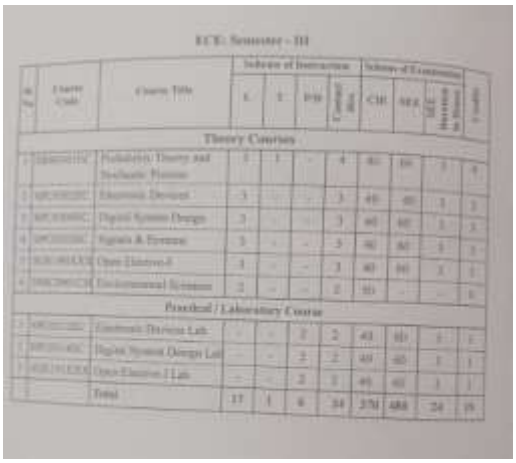
Issued by Dean, Academics


ECE Semester - I

Sl. No	Course Code	Course Title	Scheme of Instruction L	T	P/D	Contact Hrs	Scheme of Examination CIE	SEE	SEE Duration in Hours	Credits
Theory Courses - Three Week Induction Program										
1		Mathematics-I	3	1	-	4	40	60	3	4
2		Engineering Physics	3	1	-	4	40	60	3	4
3		Programming in C	3	-	-	3	40	60	3	3
4		Basic Electrical Engineering	3	1	-	4	40	60	3	4
Practical / Laboratory Courses										
1		English Lab	-	-	2	2	40	60	3	1
2		Engineering Physics Lab	-	-	2	2	40	60	3	1
3		Engineering Workshop	-	-	4	4	40	60	3	2
4		Basic Electrical Engineering Lab	-	-	2	2	40	60	3	1
5		Programming in C Lab	-	-	4	4	40	60	3	2
6		Design Thinking	-	-	2	2	40	60	3	1
		Total	12	03	16	31	400	600	36	27


ECE Semester - II

Sl. No	Course Code	Course Title	Scheme of Instruction L	T	P/D	Contact Hrs	Scheme of Examination CIE	SEE	SEE Duration in Hours	Credits
Theory Course										
1		English	2	-	-	2	40	60	3	2
2		Universal Human Values	2	-	-	2	40	60	3	2
3		Engineering Chemistry	3	1	-	4	40	60	3	4
4		Mathematics-II	3	1	-	4	40	60	3	4
5		Data Structures	3	-	-	3	40	60	3	3
Practical / Laboratory Courses										
1		Chemistry Lab	-	-	2	2	40	60	3	1
2		Engineering Graphics Lab	-	-	2	4	40	60	3	2
3		Data Structures Lab	-	-	2	2	40	60	3	1
4		IDEA Lab	-	-	2	2	40	60	3	1
		Total	13	02	10	25	360	540	27	20


ECE Semester - III

Sl. No	Course Code	Course Title	Scheme of Instruction L	T	P/D	Contact Hrs	Scheme of Examination CIE	SEE	SEE Duration in Hours	Credits
Theory Courses										
1		Probability Theory and Stochastic Process	3	1	-	4	40	60	3	4
2		Electronic Devices	3	-	-	3	40	60	3	3
3		Digital System Design	3	-	-	3	40	60	3	3
4		Signals & Systems	3	-	-	3	40	60	3	3
5		Open Elective-I	3	-	-	3	40	60	3	3
6		Environmental Sciences	2	-	-	2	40	-	-	0
Practical / Laboratory Course										
1		Electronic Devices Lab	-	-	2	2	40	60	3	1
2		Digital System Design Lab	-	-	2	2	40	60	3	1
3		Open Elective-I Lab	-	-	2	2	40	60	3	1
		Total	17	1	6	24	370	480	24	19

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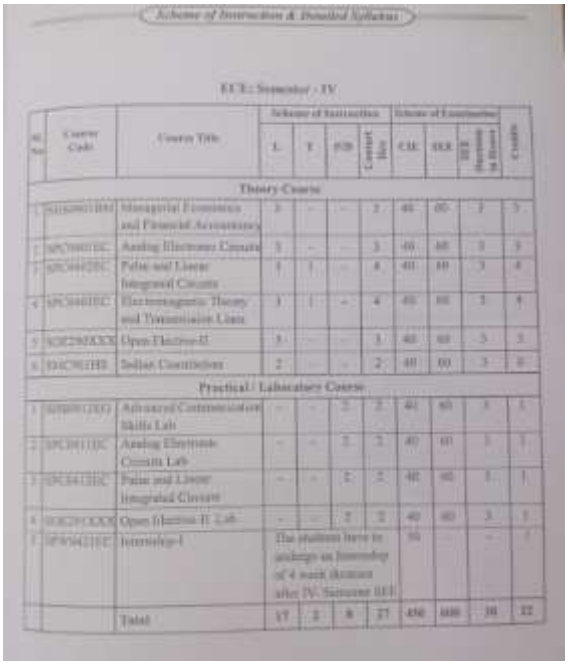
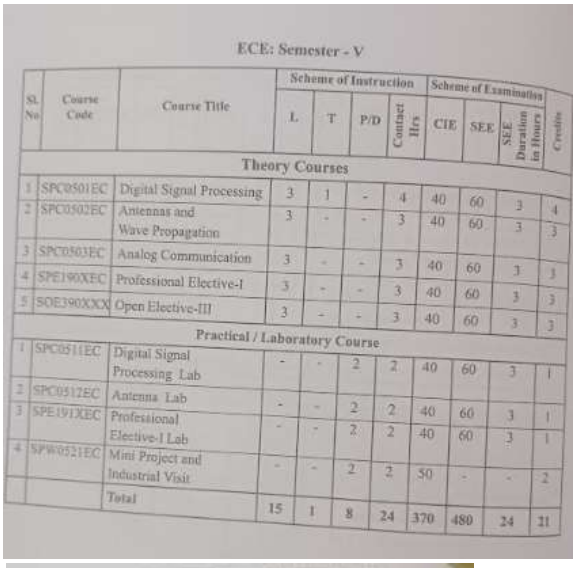
Department of Electronics and Communication Engineering



Scheme of Instruction & Detailed Syllabus

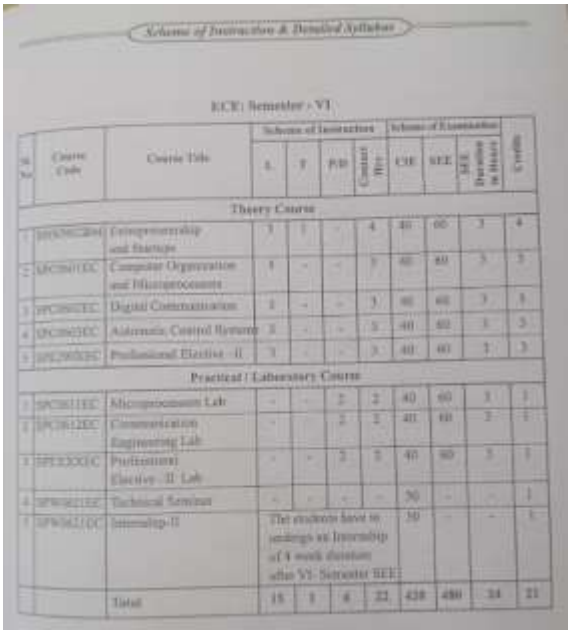
ECE: Semester - IV

Sl. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			
			L	T	P/D	Contact Hrs	CIE	SEE	SEE Duration in Hours	Credits
Theory Course										
1	[illegible]	Managerial Economics and Financial Accountancy	3	-	-	3	40	60	3	3
2	SPC0401EC	Analog Electronic Circuits	3	-	-	3	40	60	3	3
3	SPC0402EC	Pulse and Linear Integrated Circuits	3	1	-	4	40	60	3	4
4	SPC0403EC	Electromagnetic Theory and Transmission Lines	3	1	-	4	40	60	3	4
5	SOE290XXXX	Open Elective-II	3	-	-	3	40	60	3	3
6	HSC0401HS	Indian Constitution	2	-	-	2	40	60	3	0
Practical / Laboratory Course										
1	SPE0412EC	Advanced Communication Skills Lab	-	-	2	2	40	60	3	1
2	SPC0411EC	Analog Electronic Circuits Lab	-	-	2	2	40	60	3	1
3	SPC0413EC	Pulse and Linear Integrated Circuits	-	-	2	2	40	60	3	1
4	SOE29XXXX	Open Elective-II Lab	-	-	2	2	40	60	3	1
5	SPW0421EC	Internship-I	The students have to undergo an Internship of 4 week duration after IV- Semester SEE				50	-	-	2
		Total	17	3	8	27	450	600	30	22



ECE: Semester - V

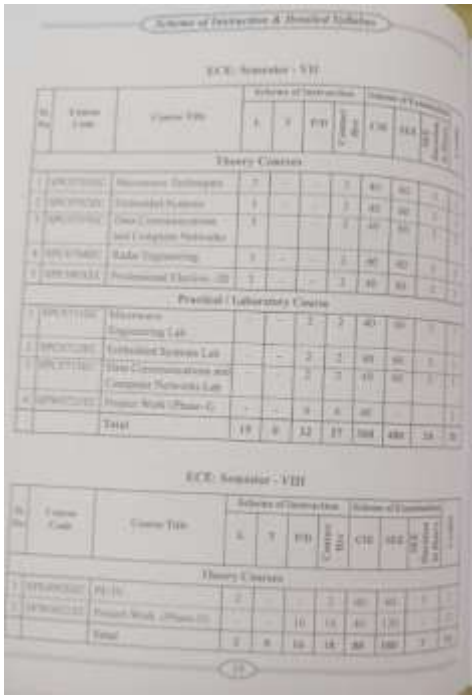
Sl. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			
			L	T	P/D	Contact Hrs	CIE	SEE	SEE Duration in Hours	Credits
Theory Courses										
1	SPC0501EC	Digital Signal Processing	3	1	-	4	40	60	3	4
2	SPC0502EC	Antennas and Wave Propagation	3	-	-	3	40	60	3	3
3	SPC0503EC	Analog Communication	3	-	-	3	40	60	3	3
4	SPE190XEC	Professional Elective-I	3	-	-	3	40	60	3	3
5	SOE390XXX	Open Elective-III	3	-	-	3	40	60	3	3
Practical / Laboratory Course										
1	SPC0511EC	Digital Signal Processing Lab	-	-	2	2	40	60	3	1
2	SPC0512EC	Antenna Lab	-	-	2	2	40	60	3	1
3	SPE191XEC	Professional Elective-I Lab	-	-	2	2	40	60	3	1
4	SPW0521EC	Mini Project and Industrial Visit	-	-	2	2	50	-	-	2
		Total	15	1	8	24	370	480	24	21



Scheme of Instruction & Detailed Syllabus

ECE: Semester - VI

Sl. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			
			L	T	P/D	Contact Hrs	CIE	SEE	SEE Duration in Hours	Credits
Theory Course										
1	[illegible]	Entrepreneurship and Startups	3	1	-	4	40	60	3	4
2	SPC0601EC	Computer Organization and Microprocessors	3	-	-	3	40	60	3	3
3	SPC0602EC	Digital Communication	3	-	-	3	40	60	3	3
4	SPC0603EC	Automatic Control Systems	3	-	-	3	40	60	3	3
5	SPE290XEC	Professional Elective - II	3	-	-	3	40	60	3	3
Practical / Laboratory Course										
1	SPC0611EC	Microprocessors Lab	-	-	2	2	40	60	3	1
2	SPC0612EC	Communication Engineering Lab	-	-	2	2	40	60	3	1
3	SPE290XEC	Professional Elective - II Lab	-	-	2	2	40	60	3	1
4	SPW0621EC	Technical Seminar	-	-	-	-	50	-	-	1
5	SPW0622EC	Internship-II	The students have to undergo an Internship of 4 week duration after VI- Semester SEE				50	-	-	1
		Total	15	1	6	22	420	480	24	21



Scheme of Instruction & Detailed Syllabus

ECE: Semester - VII

Sl. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			
			L	T	P/D	Contact Hrs	CIE	SEE	SEE Duration in Hours	Credits
Theory Courses										
1	[illegible]	Microwave Technologies	3	-	-	3	40	60	3	3
2	SPC0701EC	Embedded Systems	3	-	-	3	40	60	3	3
3	SPC0702EC	Data Communication and Computer Networks	3	-	-	3	40	60	3	3
4	SPC0703EC	Radar Engineering	3	-	-	3	40	60	3	3
5	SPE190XEC	Professional Elective - III	3	-	-	3	40	60	3	3
Practical / Laboratory Course										
1	SPC0711EC	Microwave Engineering Lab	-	-	2	2	40	60	3	1
2	SPC0712EC	Embedded Systems Lab	-	-	2	2	40	60	3	1
3	SPC0713EC	Data Communication and Computer Networks Lab	-	-	2	2	40	60	3	1
4	SPW0721EC	Project Work (Phase-I)	-	-	8	8	60	-	-	4
		Total	15	0	12	27	360	480	24	22

ECE: Semester - VIII

Sl. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			
			L	T	P/D	Contact Hrs	CIE	SEE	SEE Duration in Hours	Credits
Theory Courses										
1	SPE190XEC	PE-IV	3	-	-	3	40	60	3	3
2	SPW0821EC	Project Work (Phase-II)	-	-	10	10	40	120	-	5
		Total	3	0	10	13	80	180	3	8

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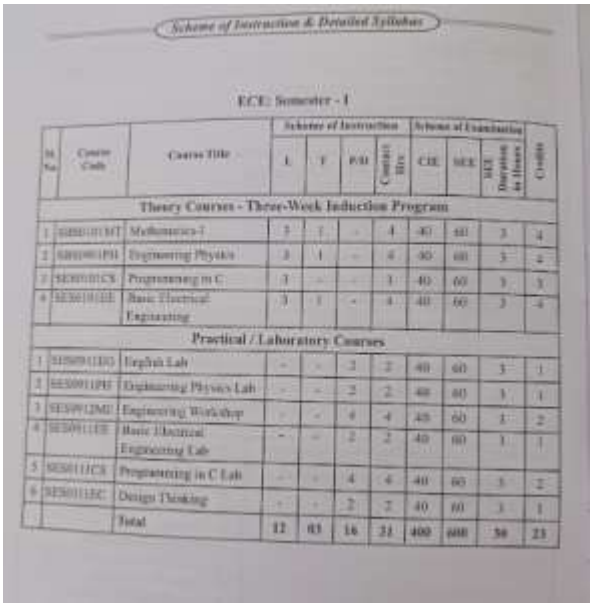
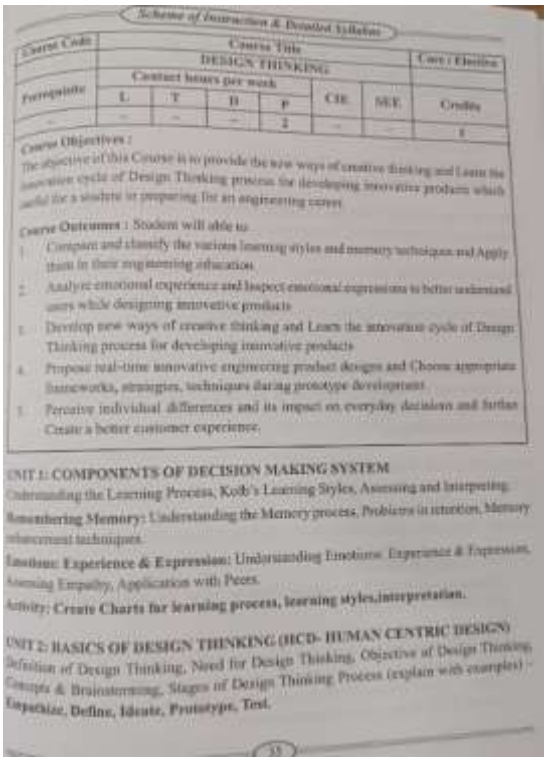
Department of Electronics and Communication Engineering



Scheme of Instruction & Detailed Syllabus

ECE: Semester - I

Sl. No.	Course Code	Course Title	Scheme of Instruction L	T	P/D	Contact Hrs	Scheme of Examination CIE	SEE	SEE Duration in Hours	Credits
Theory Courses - Three-Week Induction Program										
1	SDH101MT	Mathematics-I	3	1	-	4	40	60	3	4
2	SDH001PH	Engineering Physics	3	1	-	4	40	60	3	4
3	SDH101CS	Programming in C	3	-	-	3	40	60	3	3
4	SDH101EE	Basic Electrical Engineering	3	1	-	4	40	60	3	4
Practical / Laboratory Courses										
1	SDH001EG	English Lab	-	-	2	2	40	60	3	1
2	SDH001PH	Engineering Physics Lab	-	-	2	2	40	60	3	1
3	SDH012ME	Engineering Workshop	-	-	4	4	40	60	3	2
4	SDH011EE	Basic Electrical Engineering Lab	-	-	2	2	40	60	3	1
5	SDH011CS	Programming in C Lab	-	-	4	4	40	60	3	2
6	SDH011DC	Design Thinking	-	-	2	2	40	60	3	1
		Total	12	03	16	31	400	600	30	23



Scheme of Instruction & Detailed Syllabus

Course Code	Course Title						Core / Elective
	DESIGN THINKING						
Prerequisite	Contact hours per week				CIE	SEE	Credits
	L	T	D	P			
-	-	-	-	2	-	-	1

Course Objectives :

The objective of this Course is to provide the new ways of creative thinking and Learn the innovation cycle of Design Thinking process for developing innovative products which useful for a student in preparing for an engineering career.

Course Outcomes : Student will able to

1. Compare and classify the various learning styles and memory techniques and Apply them in their engineering education.
2. Analyze emotional experience and Inspect emotional expressions to better understand users while designing innovative products.
3. Develop new ways of creative thinking and Learn the innovation cycle of Design Thinking process for developing innovative products.
4. Propose real-time innovative engineering product designs and Choose appropriate frameworks, strategies, techniques during prototype development.
5. Perceive individual differences and its impact on everyday decisions and further Create a better customer experience.

UNIT 1: COMPONENTS OF DECISION MAKING SYSTEM

Understanding the Learning Process, Kolb's Learning Styles, Assessing and Interpreting.

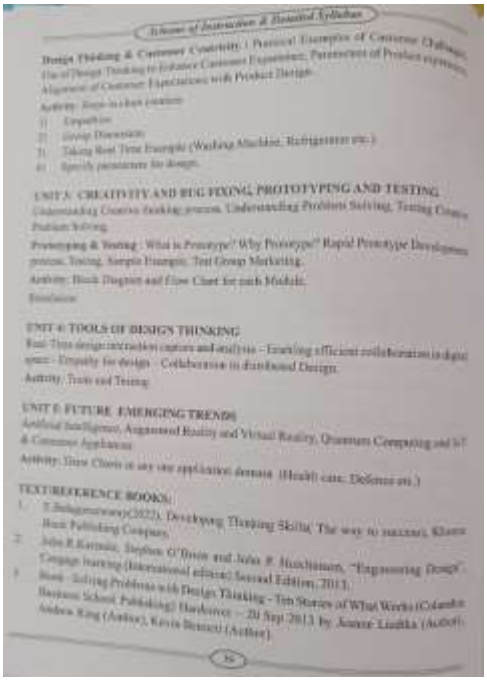
Remembering Memory: Understanding the Memory process, Problems in retention, Memory enhancement techniques.

Emotions: Experience & Expression: Understanding Emotions: Experience & Expression, Assessing Empathy, Application with Peers.

Activity: **Create Charts for learning process, learning styles,interpretation.**

UNIT 2: BASICS OF DESIGN THINKING (HCD- HUMAN CENTRIC DESIGN)

Definition of Design Thinking, Need for Design Thinking, Objective of Design Thinking, Concepts & Brainstorming, Stages of Design Thinking Process (explain with examples) - **Empathize, Define, Ideate, Prototype, Test.**



Scheme of Instruction & Detailed Syllabus

Design Thinking & Customer Creativity : Practical Examples of Customer Challenges, Use of Design Thinking to Enhance Customer Experience, Parameters of Product experience, Alignment of Customer Expectations with Product Design.

Activity: Steps to a best customer

1) Empathize
2) Group Discussion
3) Taking Real Time Example (Washing Machine, Refrigerator etc.)
4) Specify parameters for design.

UNIT 3: CREATIVITY AND BUG FIXING, PROTOTYPING AND TESTING

Understanding Creative thinking process, Understanding Problem Solving, Testing Creative Problem Solving.

Prototyping & Testing : What is Prototype? Why Prototype? Rapid Prototype Development process, Testing, Sample Example, Test Group Marketing.

Activity: Block Diagram and Flow Chart for each Module.

Evaluation

UNIT 4: TOOLS OF DESIGN THINKING

Real Time design interaction capture and analysis – Enabling efficient collaboration in digital space - Empathy for design – Collaboration in distributed Design.

Activity: Tools and Testing

UNIT 5: FUTURE EMERGING TRENDS

Artificial Intelligence, Augmented Reality and Virtual Reality, Quantum Computing and IoT & Customer Applications

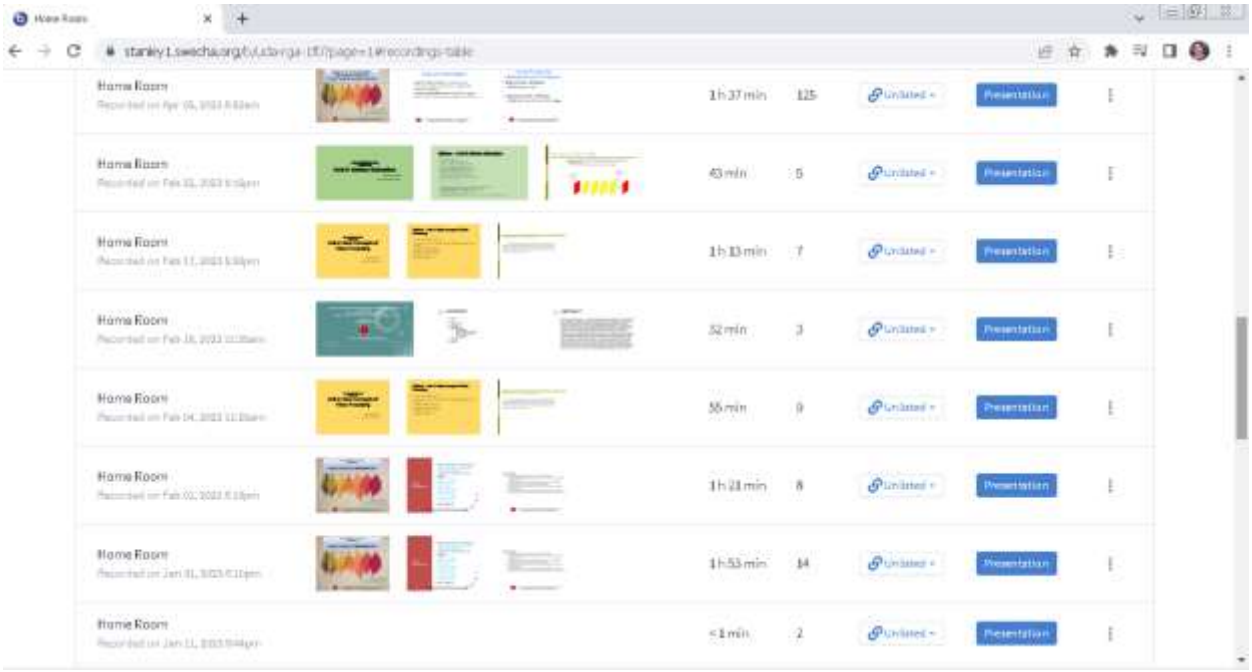
Activity: Time Charts in any one application domain (Health care, Defence etc.)

TEXT/REFERENCE BOOKS:

1. P. Balagurusamy(2022), Developing Thinking Skills(The way to success, Khanna Book Publishing Company.
2. John R.Karmaz, Stephen O'Brien and John R. Hutchinson, "Engineering Design" Cengage learning (International edition) Second Edition, 2013.
3. Book - Solving Problems with Design Thinking - Ten Stories of What Works (Columbia Business School Publishing) Hardcover – 20 Sep 2013 by Jeanne Liedtka (Author), Andrew King (Author), Kevin Bennett (Author).

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experience and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Department of Electronics and Communication Engineering



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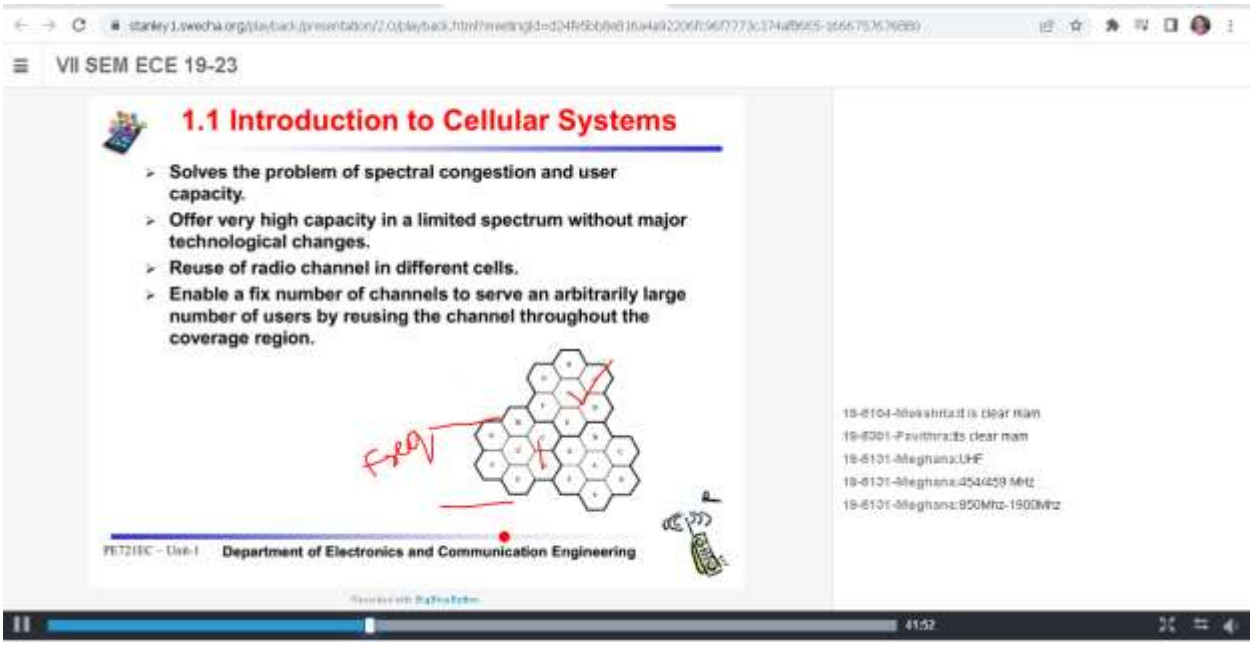

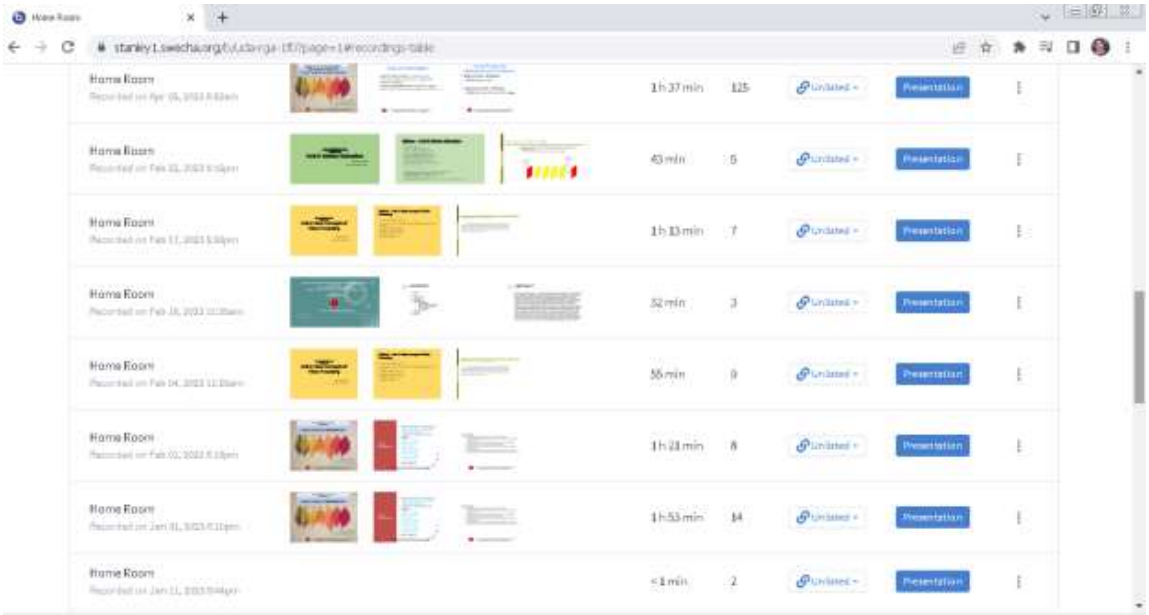

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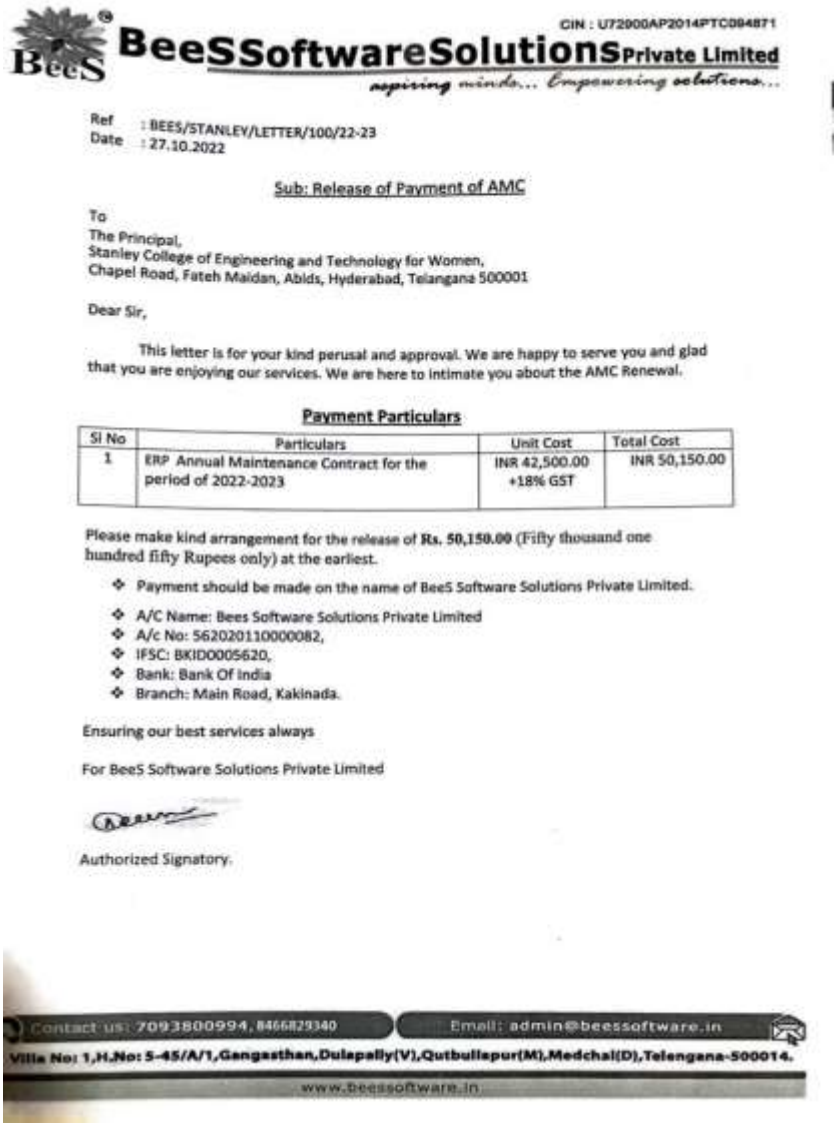

CIN : U72900AP2014PTC094871

BeeS Software Solutions Private Limited

aspiring minds... Empowering solutions...

Ref : BEES/STANLEY/LETTER/100/22-23
Date : 27.10.2022

Sub: Release of Payment of AMC

To
The Principal,
Stanley College of Engineering and Technology for Women,
Chapel Road, Fateh Maidan, Abids, Hyderabad, Telangana 500001

Dear Sir,

This letter is for your kind perusal and approval. We are happy to serve you and glad that you are enjoying our services. We are here to intimate you about the AMC Renewal.

Payment Particulars

Sl No	Particulars	Unit Cost	Total Cost
1	ERP Annual Maintenance Contract for the period of 2022-2023	INR 42,500.00 +18% GST	INR 50,150.00

Please make kind arrangement for the release of **Rs. 50,150.00** (Fifty thousand one hundred fifty Rupees only) at the earliest.

- Payment should be made on the name of BeeS Software Solutions Private Limited.
- A/C Name: Bees Software Solutions Private Limited
- A/c No: 562020110000082,
- IFSC: BKID0005620,
- Bank: Bank Of India
- Branch: Main Road, Kakinada.

Ensuring our best services always

For BeeS Software Solutions Private Limited

Authorized Signatory.

Contact us: 7093800994, 8466829340 Email: admin@beessoftware.in
Villa No: 1,H.No: 5-45/A/1,Gangasthan,Dulapally(V),Qutbullapur(M),Medchal(D),Telengana-500014.
www.beessoftware.in

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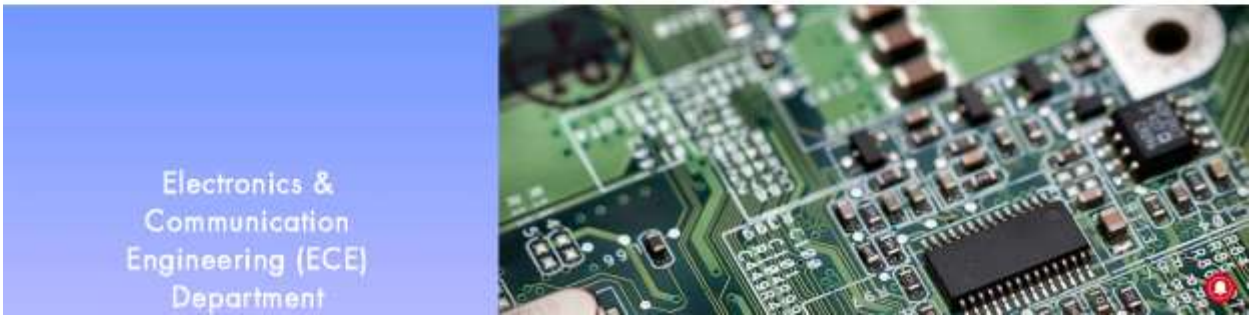
Department of Electronics and Communication Engineering



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Department of Electronics and Communication Engineering

STANLEY COLLEGE OF ENGINEERING ANDTECHNOLOGY FOR WOMEN
(AUTONOMOUS)

Abids, Hyderabad -500 001

(Affiliated to Osmania University & Approved by AICTE)

(All eligible UG Courses are accredited by NBA & Accredited by NAAC with 'A' Grade)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Infrastructure Details

Date: 04.02.2023

(a) Computer Systems – 106 nos.
(b) Server Machine: 1 no.
(c) Class Rooms: 5 nos.
(d) Tutorial Rooms: 2 nos.
(e) Seminar Hall: 1 no.
(f) Laboratories: 9 nos.

1. Microwave Engineering Lab
2. Electronic Workshop Lab
3. Communication Engineering Lab
4. Electronic Devices & Circuits Lab
5. Digital Signal Processing Lab
6. Microprocessors & Microcontrollers Lab
7. Embedded Systems Lab
8. Integrated Circuits Lab
9. Project/Research Lab (IOT & Smart Sensors Lab under AICTE MODROBS)

(g) Software Tools:

1. Mentor Graphics
2. NI Multisim
3. Matlab 8.3
4. Xilinx Vivado System Design Suite
5. Mentor Graphics
6. Matlab9.2
7. MATLAB Tools
8. ANSYS HFSS

(h) Internet facility (Bandwidth: 100Mbps)

1. D-Vois Communications Private Limited - 100 Mbps (Leased Line)-1:1
2. Pioneer E - Labs - 20 Mbps (Leased Line)-1:1

(i) Others:

1. Printers-3
2. Air Conditioners-10
3. Air Coolers-04
4. UPS Back-up
5. LCD Projectors-12
6. Public Address System-1 etc.

Sd/-
Prof. Kedar Nath Sahu
HOD

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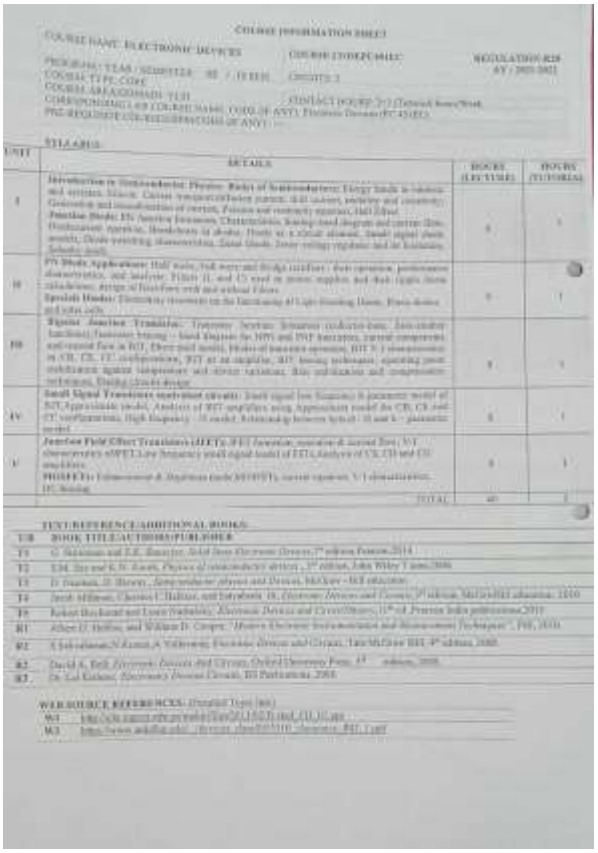
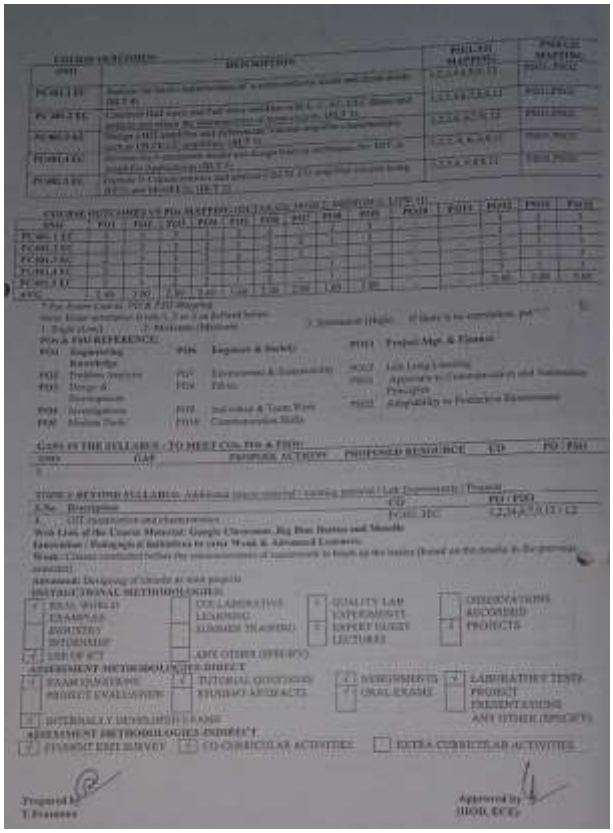
Department of Electronics and Communication Engineering





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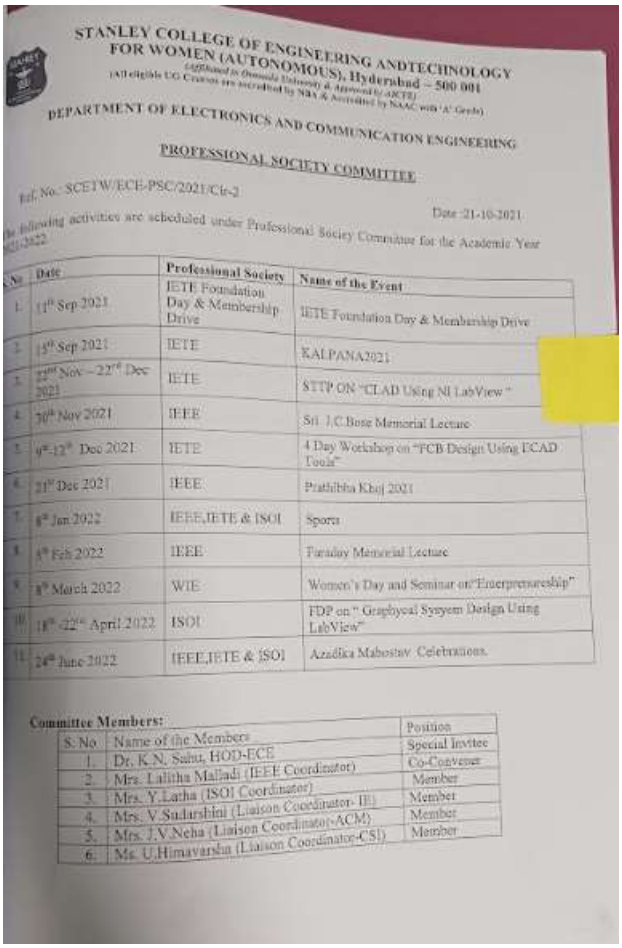

STANLEY COLLEGE OF ENGINEERING AND TECHNOLOGY FOR WOMEN (AUTONOMOUS), Hyderabad – 500 001

(Affiliated to Osmania University & Approved by AICTE)

(All eligible UG Courses are accredited by NBA & Accredited by NAAC with 'A' Grade)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PROFESSIONAL SOCIETY COMMITTEE

Ref. No.: SCETW/ECE-PSC/2021/Cl6-2

Date :21-10-2021

The following activities are scheduled under Professional Society Committee for the Academic Year 2021-2022

S.No	Date	Professional Society	Name of the Event
1.	11th Sep 2021	IETE Foundation Day & Membership Drive	IETE Foundation Day & Membership Drive
2.	15th Sep 2021	IETE	KALPANA2021
3.	22nd Nov – 27th Dec 2021	IETE	STTP ON "CLAD Using NI LabView "
4.	30th Nov 2021	IEEE	Sri. J.C.Bose Memorial Lecture
5.	9th-12th Dec 2021	IETE	4 Day Workshop on "PCB Design Using ECAD Tools"
6.	21st Dec 2021	IEEE	Prathibha Khoj 2021
7.	8th Jan 2022	IEEE,IETE & ISOI	Sports
8.	8th Feb 2022	IEEE	Faraday Memorial Lecture
9.	8th March 2022	WIE	Women's Day and Seminar on"Enterpreneurship"
10.	18th -22nd April 2022	ISOI	FDP on " Graphical Synyem Design Using LabView"
11.	24th June 2022	IEEE,IETE & ISOI	Azadika Mahostav Celebrations.

Committee Members:

S. No	Name of the Members	Position
1.	Dr. K.N. Subu, HOD-ECE	Special Invitee
2.	Mrs. Lalitha Malladi (IEEE Coordinator)	Co-Convener
3.	Mrs. Y.Latha (ISOI Coordinator)	Member
4.	Mrs. V.Sudarshini (Liaison Coordinator- IE)	Member
5.	Mrs. J.V.Neha (Liaison Coordinator-(ACM)	Member
6.	Ms. U.Himavarsha (Liaison Coordinator-CS)	Member

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Department of Electronics and Communication Engineering

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Department of Electronics and Communication Engineering

STANLEYCOLLEGE OF ENGINEERING AND TECHNOLOGY FOR WOMEN (AUTONOMOUS)

(Affiliated to Osmania University)

Chapel Road, Abids, Hyderabad- 500 001

(Re-accredited by NAAC with "A" Grade and NBA)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Board of Studies

Attendance Sheet

S. No.	BOS Members	Position	Affiliation Details	Signature
1.	Dr K. N. Sathi	Chairperson	Professor & HOD ECE SCETW	
2.	Dr L. Hemada Devi	Subject Expert - University Nominee	Professor & HOD ECE UCE (Autonomous), OU	
3.	Dr M. Rama Joseph	Senior Faculty - 1	Professor ECE, SCETW	
4.	Dr G. Karthik	Senior Faculty - 2	Associate Professor, ECE SCETW	
5.	Prof C.B. Rama Rao	Subject Expert - 1	Professor, ECE NIT Warangal	
6.	Dr L. Pratap Reddy	Subject Expert - 2	Professor, ECE JNTUH College of Engineering, Hyd.	
7.	Mr. N. Venkatesh	Industry Representative	Senior Director, Engineering Silicon Labs	
8.	Mr. Raja Bhavana	Alumni	M.E., ES	Absent
9.	Dr N. Srinivas Rao	Expert from outside college - for emerging technologies	Professor & HOD ECE Mahaveer Engineering College, Hyd.	
10.	Dr. Satya Prasad Lanka	Permanent Invitee	Principal, SCETW	
11.	Dr. A. Vinaya Babu	Permanent Invitee	Dean Academics, SCETW	

ELINT

STANLEY

CERTIFICATE OF INTERNSHIP

This is to certify that **Ms. Ravada Mounika** from Stanley College of Engineering and Technology for Women has successfully completed the Internship in National Level Short Term Training Program on "CLAD Using NI LabVIEW" from 22nd November 2021 to 31 January 2022 conducted in collaboration with Stanley women college and IETE in association with Elint Innovations Pvt Ltd, Hyderabad.

Organised by R&D Team of Elint Innovations Pvt Ltd In Collaboration with IETE

P. Karthik Technical Director (Elint Innovations Pvt Ltd)

Honorary IETE Secretary

ELINT

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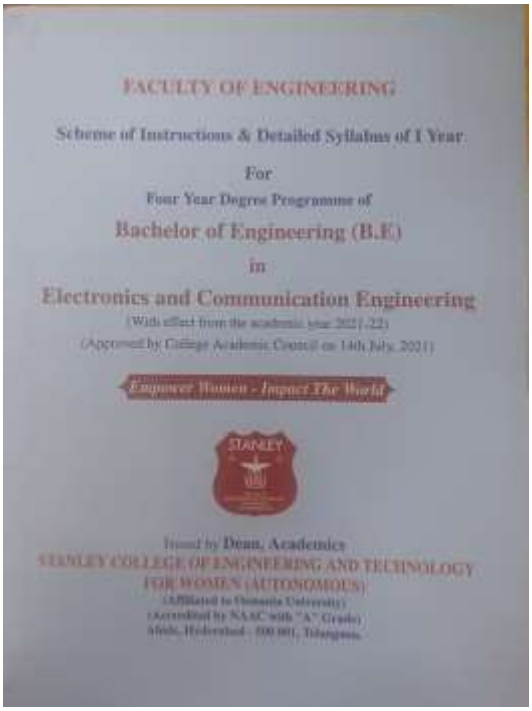
Department of Electronics and Communication Engineering



FACULTY OF ENGINEERING

Scheme of Instructions & Detailed Syllabus of I Year

For

Four Year Degree Programme of

Bachelor of Engineering (B.E)

in

Electronics and Communication Engineering

(With effect from the academic year 2021-22)

(Approved by College Academic Council on 14th July, 2021)

Empower Women - Impact The World

Issued by Dean, Academics

STANLEY COLLEGE OF ENGINEERING AND TECHNOLOGY FOR WOMEN (AUTONOMOUS)

(Affiliated to Osmania University)

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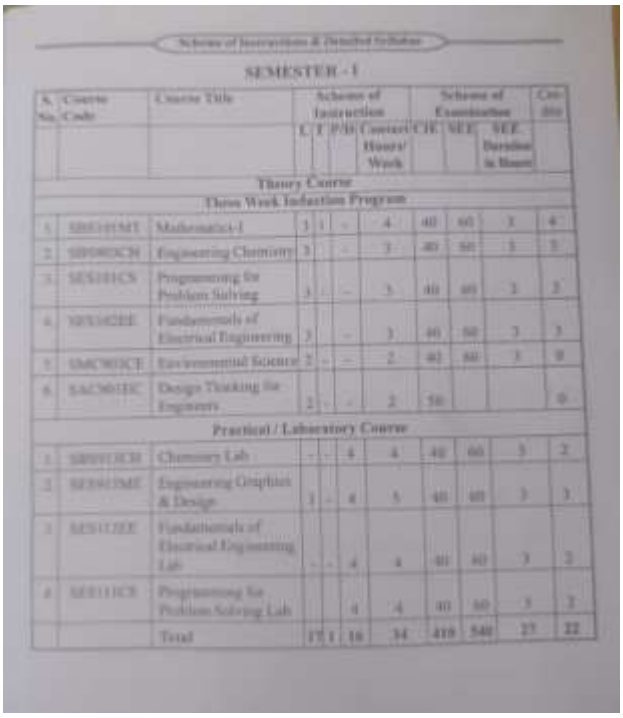
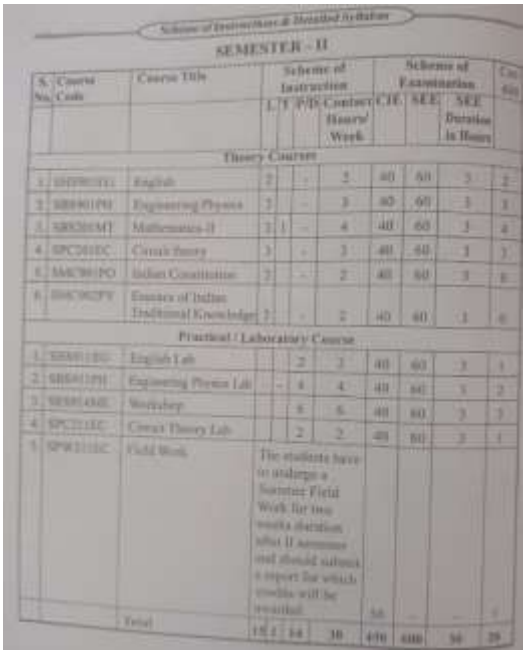
Abids, Hyderabad - 500 001, Telangana.



Scheme of Instructions & Detailed Syllabus

SEMESTER - I

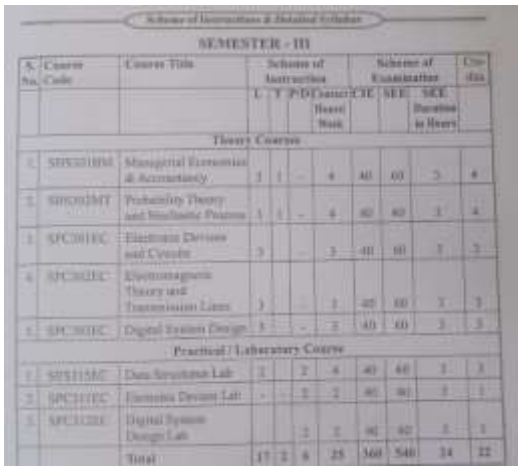
S. No.	Course Code	Course Title	Scheme of Instruction L	T	P/D	Contact Hours/ Week	Scheme of Examination CIE	SEE	SEE Duration in Hours	Credits
		Theory Course								
		Three Week Induction Program								
1	SHS101MT	Mathematics-I	3	1	-	4	40	60	3	4
2	SHS002CH	Engineering Chemistry	3	-	-	3	40	60	3	3
3	SES101CS	Programming for Problem Solving	3	-	-	3	40	60	3	3
4	SES102EE	Fundamentals of Electrical Engineering	3	-	-	3	40	60	3	3
5	SMC903CE	Environmental Science	2	-	-	2	40	60	3	0
6	SAC501EC	Design Thinking for Engineers	2	-	-	2	50			0
		Practical / Laboratory Course								
1	SHS013CH	Chemistry Lab	-	-	4	4	40	60	3	2
2	SES103ME	Engineering Graphics & Design	1	-	4	5	40	60	3	3
3	SES112EE	Fundamentals of Electrical Engineering Lab	-	-	4	4	40	60	3	2
4	SES111CS	Programming for Problem Solving Lab			4	4	40	60	3	2
		Total	17	1	16	34	410	540	27	22



Scheme of Instructions & Detailed Syllabus

SEMESTER - II

S. No.	Course Code	Course Title	Scheme of Instruction L	T	P/D	Contact Hours/ Week	Scheme of Examination CIE	SEE	SEE Duration in Hours	Credits
		Theory Courses								
1	SHS001EL	English	2	-	-	2	40	60	3	2
2	SBS001PH	Engineering Physics	3	-	-	3	40	60	3	3
3	SBS201MT	Mathematics-II	3	1	-	4	40	60	3	4
4	SPC201EC	Circuit Theory	3	-	-	3	40	60	3	3
5	SMC901PO	Indian Constitution	2	-	-	2	40	60	3	0
6	SMC902FV	Essence of Indian Traditional Knowledge	2	-	-	2	40	60	3	0
		Practical / Laboratory Course								
1	SHS011EL	English Lab			2	2	40	60	3	1
2	SBS012PH	Engineering Physics Lab	-	-	4	4	40	60	3	2
3	SES014ME	Workshop			6	6	40	60	3	3
4	SPC211EC	Circuit Theory Lab			2	2	40	60	3	1
5	SPW111EC	Field Work	The students have to undergo a Summer Field Work for two weeks duration after II semester and should submit a report for which credits will be awarded.				50	-	-	1
		Total	15	1	14	30	410	600	30	20



Scheme of Instructions & Detailed Syllabus

SEMESTER - III

S. No.	Course Code	Course Title	Scheme of Instruction L	T	P/D	Contact Hours/ Week	Scheme of Examination CIE	SEE	SEE Duration in Hours	Credits
		Theory Courses								
1	SHS301BM	Managerial Economics & Accountancy	3	1	-	4	40	60	3	4
2	SHS302MT	Probability Theory and Stochastic Process	3	1	-	4	40	60	3	4
3	SPC301EC	Electronic Devices and Circuits	3	-	-	3	40	60	3	3
4	SPC302EC	Electromagnetic Theory and Transmission Lines	3	-	-	3	40	60	3	3
5	SPC303EC	Digital System Design	3	-	-	3	40	60	3	3
		Practical / Laboratory Course								
1	SPC311EC	Data Structures Lab	-	-	2	2	40	60	3	1
2	SPC312EC	Electronic Devices Lab	-	-	2	2	40	60	3	1
3	SPC313EC	Digital System Design Lab	-	-	2	2	40	60	3	1
		Total	17	2	6	25	360	540	24	22

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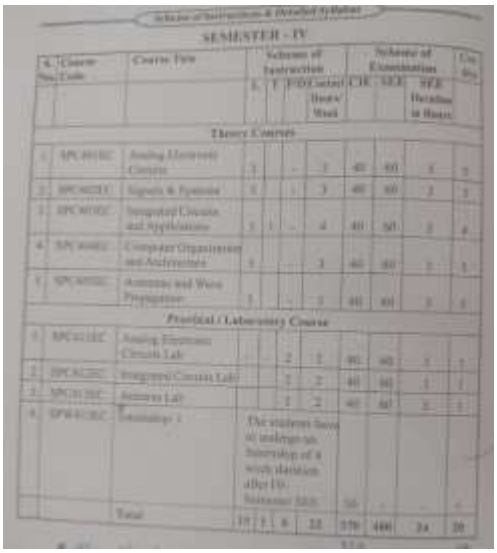
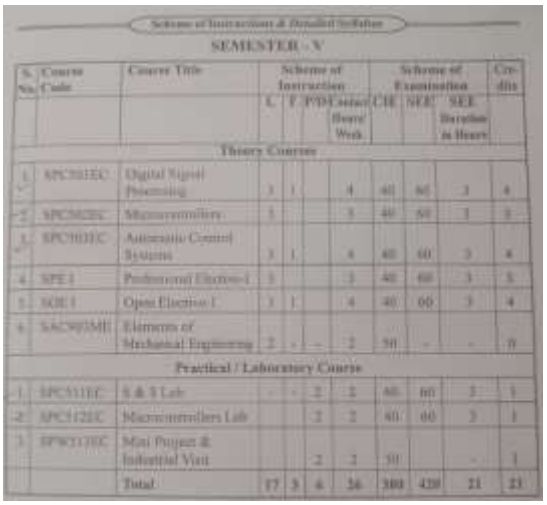
Department of Electronics and Communication Engineering



SEMESTER - IV

S. No.	Course Code	Course Title	Scheme of Instruction L	T	P/D	Contact Hours/ Week	Scheme of Examination CIE	SEE	SEE Duration in Hours	Credits
Theory Courses										
1	EPC4031EC	Analog Electronic Circuits	3		-	3	40	60	3	3
2	EPC4032EC	Signals & Systems	3		-	3	40	60	3	3
3	EPC4033EC	Integrated Circuits and Applications	3	1	-	4	40	60	3	4
4	EPC4034EC	Computer Organization and Architecture	3		-	3	40	60	3	3
5	EPC4035EC	Antennas and Wave Propagation	3		-	3	40	60	3	3
Practical / Laboratory Course										
1	EPC4111EC	Analog Electronic Circuits Lab	-	-	2	2	40	60	3	1
2	EPC4112EC	Integrated Circuits Lab	-	-	2	2	40	60	3	1
3	EPC4113EC	Antennas Lab	-	-	2	2	40	60	3	1
4	EPW4114EC	Internship- 1	The students have to undergo an Internship of 4 week duration after IV- Semester SEE				50	-	-	1
		Total	15	1	6	22	370	480	24	20

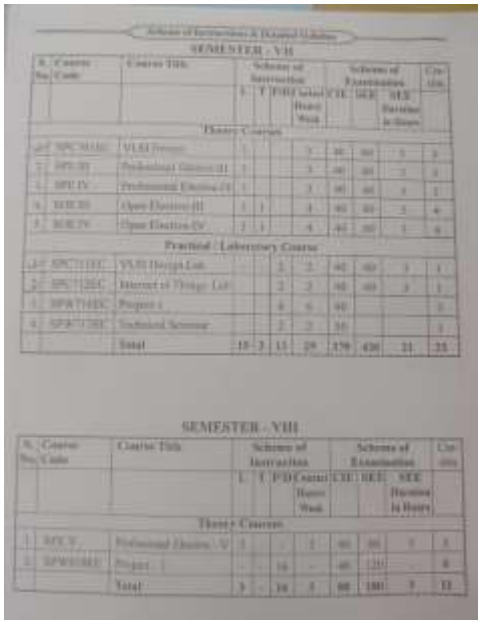


SEMESTER - V

S. No.	Course Code	Course Title	Scheme of Instruction L	T	P/D	Contact Hours/ Week	Scheme of Examination CIE	SEE	SEE Duration in Hours	Credits
Theory Courses										
1	EPC5031EC	Digital Signal Processing	3	1		4	40	60	3	4
2	EPC5032EC	Microcontrollers	3			3	40	60	3	3
3	EPC5033EC	Automatic Control Systems	3	1		4	40	60	3	4
4	EPE I	Professional Elective-I	3			3	40	60	3	3
5	SOE I	Open Elective-I	3	1		4	40	60	3	4
6	SAC5035ME	Elements of Mechanical Engineering	2	-	-	2	50	-	-	0
Practical / Laboratory Course										
1	EPC5111EC	S & S Lab	-	-	2	2	40	60	3	1
2	EPC5112EC	Microcontrollers Lab			2	2	40	60	3	1
3	EPW5113EC	Mini Project & Industrial Visit			2	2	50		-	1
		Total	17	3	6	26	380	420	21	21

SEMESTER - VI

S. No.	Course Code	Course Title	Scheme of Instruction L	T	P/D	Contact Hours/ Week	Scheme of Examination CIE	SEE	SEE Duration in Hours	Credits
Theory Courses										
1	EPC6031EC	Analog and Digital Communications	3	1		4	40	60	3	4
2	EPC6032EC	Computer Networks	3			3	40	60	3	3
3	EPC6033EC	Microwave Techniques	3			3	40	60	3	3
4	EPE II	Professional Elective-II	3			3	40	60	3	3
5	SOE II	Open Elective - II	3	1		4	40	60	3	4
Practical / Laboratory Course										
1	EPC6111EC	Communications Lab			2	2	40	60	3	1
2	EPC6112EC	Computer Networks Lab			2	2	40	60	3	1
3	EPC6113EC	Microwave Lab			2	2	40	60	3	1
4	EPW6114EC	Internship- 2	The students have to undergo an Internship of 4 week duration after VI- Semester SEE				50		-	1
		Total	15	2	6	23	370	480	24	21



SEMESTER - VII

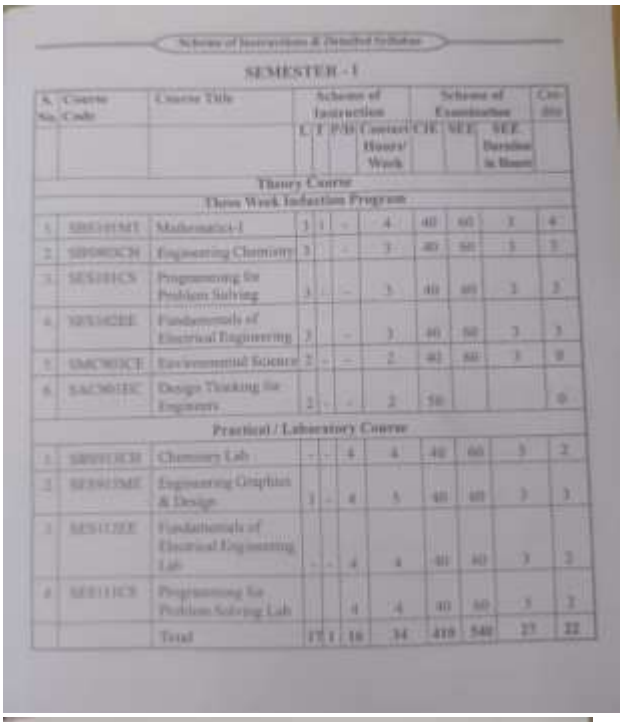
S. No.	Course Code	Course Title	Scheme of Instruction L	T	P/D	Contact Hours/ Week	Scheme of Examination CIE	SEE	SEE Duration in Hours	Credits
Theory Courses										
1	EPC7031EC	VLSI Design	3			3	40	60	3	3
2	EPE III	Professional Elective-III	3			3	40	60	3	3
3	EPE IV	Professional Elective-IV	3			3	40	60	3	3
4	SOE III	Open Elective-III	3	1		4	40	60	3	4
5	SOE IV	Open Elective-IV	3	1		4	40	60	3	4
Practical / Laboratory Course										
1	EPC7111EC	VLSI Design Lab			2	2	40	60	3	1
2	EPC7112EC	Internet of Things Lab			2	2	40	60	3	1
3	EPW7113EC	Project-I			6	6	40			3
4	EPW7114EC	Technical Seminar			2	2	50			1
		Total	15	2	12	29	370	420	21	23

SEMESTER - VIII

S. No.	Course Code	Course Title	Scheme of Instruction L	T	P/D	Contact Hours/ Week	Scheme of Examination CIE	SEE	SEE Duration in Hours	Credits
Theory Courses										
1	EPE V	Professional Elective -V	3	-	-	3	40	60	3	3
2	EPW8102EC	Project - I	-	-	16	-	40	120	-	8
		Total	3	-	16	3	80	180	3	11

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experience and teachers use ICT- enabled tools including online resources for effective teaching and learning process

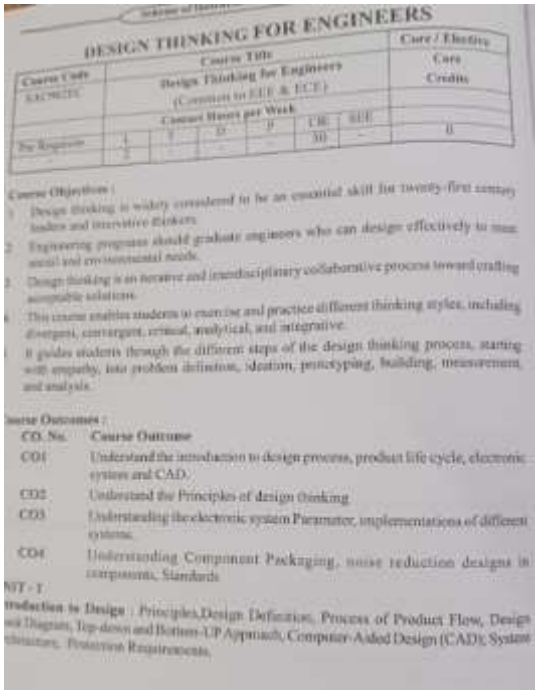
Department of Electronics and Communication Engineering



Schemes of Instructions & Detailed Syllabus

SEMESTER - I

S. No.	Course Code	Course Title	Scheme of Instruction L	T	P/D	Contact Hours/ Week	Scheme of Examination CIE	SEE	SEE Duration in Hours	Credits
		Theory Course								
		Three Week Induction Program								
1	SH01101MT	Mathematics-I	3	1	-	4	40	60	3	4
2	SH01002CH	Engineering Chemistry	3	-	-	3	40	60	3	3
3	SES101CS	Programming for Problem Solving	3	-	-	3	40	60	3	3
4	SES102EE	Fundamentals of Electrical Engineering	3	-	-	3	40	60	3	3
5	UHC901CE	Environmental Science	2	-	-	2	40	60	3	0
6	EAC501EC	Design Thinking for Engineers	2	-	-	2	50			0
		Practical / Laboratory Course								
1	SH01103CH	Chemistry Lab	-	-	4	4	40	60	3	2
2	SES103ME	Engineering Graphics & Design	1	-	4	5	40	60	3	3
3	SES112EE	Fundamentals of Electrical Engineering Lab	-	-	4	4	40	60	3	2
4	SES111CS	Programming for Problem Solving Lab	-	-	4	4	40	60	3	2
		Total	17	1	16	34	410	540	27	22



DESIGN THINKING FOR ENGINEERS

Course Code	Course Title	Core / Elective
EAC501EC	Design Thinking for Engineers (Common to EEE & ECE)	Core
	Contact Hours per Week	Credits

	L	T	D	P	CIE	SEE	
Pre Requisite	1	-	-	-	50	-	0
	2						

Course Objectives :

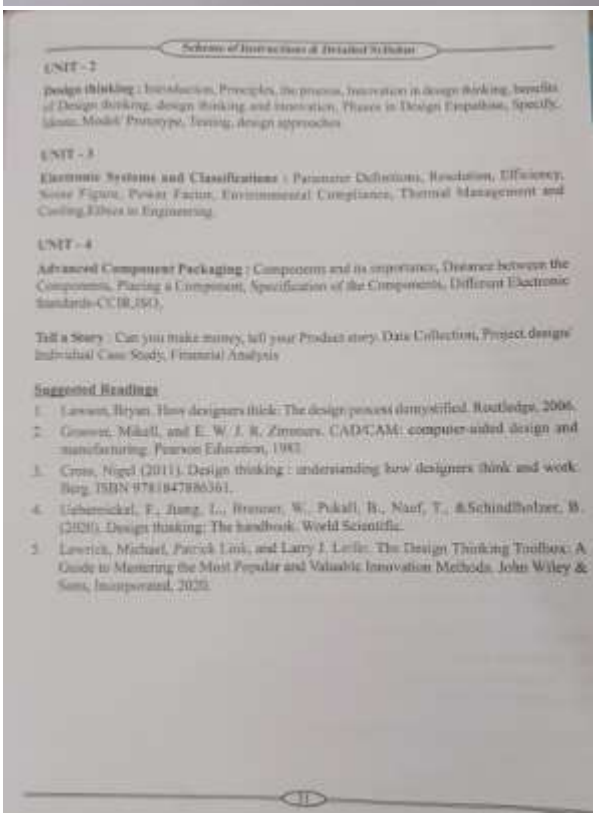
1. Design thinking is widely considered to be an essential skill for twenty-first century leaders and innovative thinkers.
2. Engineering programs should graduate engineers who can design effectively to meet social and environmental needs.
3. Design thinking is an iterative and interdisciplinary collaborative process toward crafting acceptable solutions.
4. This course enables students to exercise and practice different thinking styles, including divergent, convergent, critical, analytical, and integrative.
5. It guides students through the different steps of the design thinking process, starting with empathy, into problem definition, ideation, prototyping, building, measurement, and analysis.

Course Outcomes :

CO. No.	Course Outcome
CO1	Understand the introduction to design process, product life cycle, electronic system and CAD.
CO2	Understand the Principles of design thinking
CO3	Understanding the electronic system Parameter, implementations of different systems.
CO4	Understanding Component Packaging, noise reduction designs in components, Standards

UNIT - I

Introduction to Design : Principles,Design Definition, Process of Product Flow, Design ... Diagram, Top-down and Bottom-UP Approach, Computer-Aided Design (CAD), System ... structure, Protection Requirements.



Schemes of Instructions & Detailed Syllabus

UNIT - 2

Design thinking : Introduction, Principles, the process, Innovation in design thinking, benefits of Design thinking, design thinking and innovation, Phases in Design Empathize, Specify, Ideate, Model/ Prototype, Testing, design approaches

UNIT - 3

Electronic Systems and Classifications : Parameter Definitions, Resolution, Efficiency, Noise Figure, Power Factor, Environmental Compliance, Thermal Management and Cooling,Ethics in Engineering.

UNIT - 4

Advanced Component Packaging : Components and its importance, Distance between the Components, Placing a Component, Specification of the Components, Different Electronic Standards-CCIR,ISO,

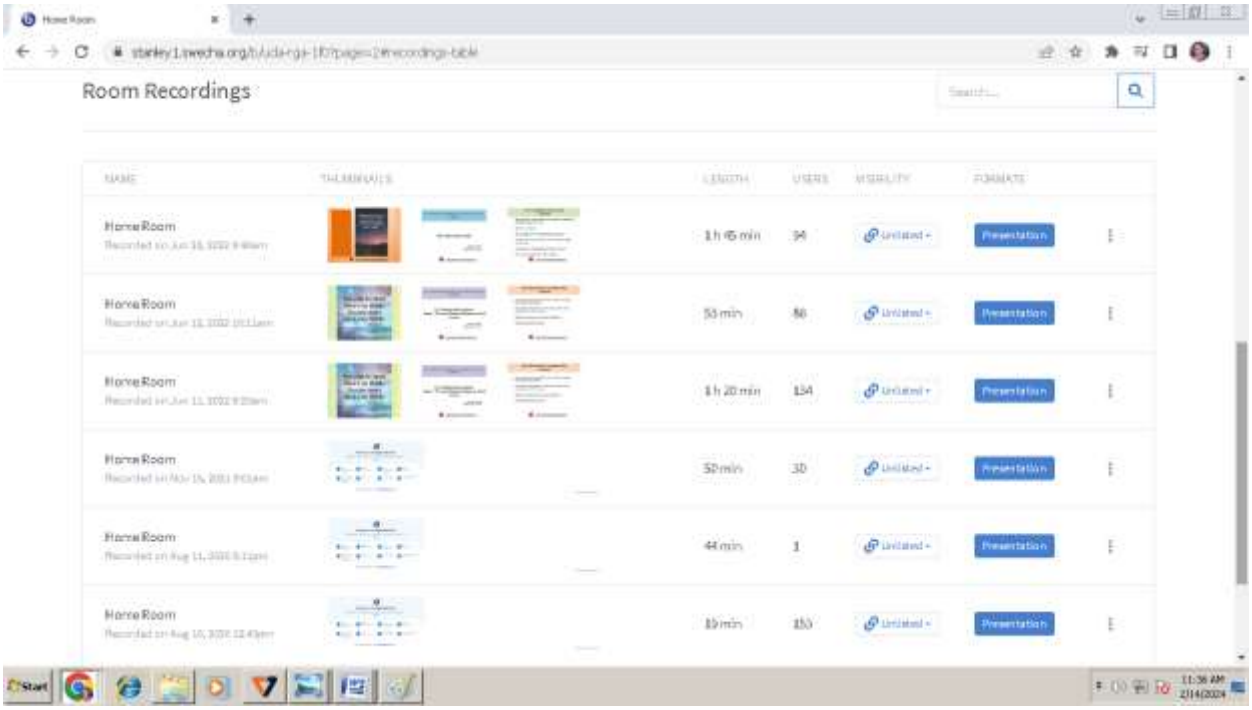
Tell a Story : Can you make money, tell your Product story. Data Collection, Project designs' Individual Case Study, Financial Analysis

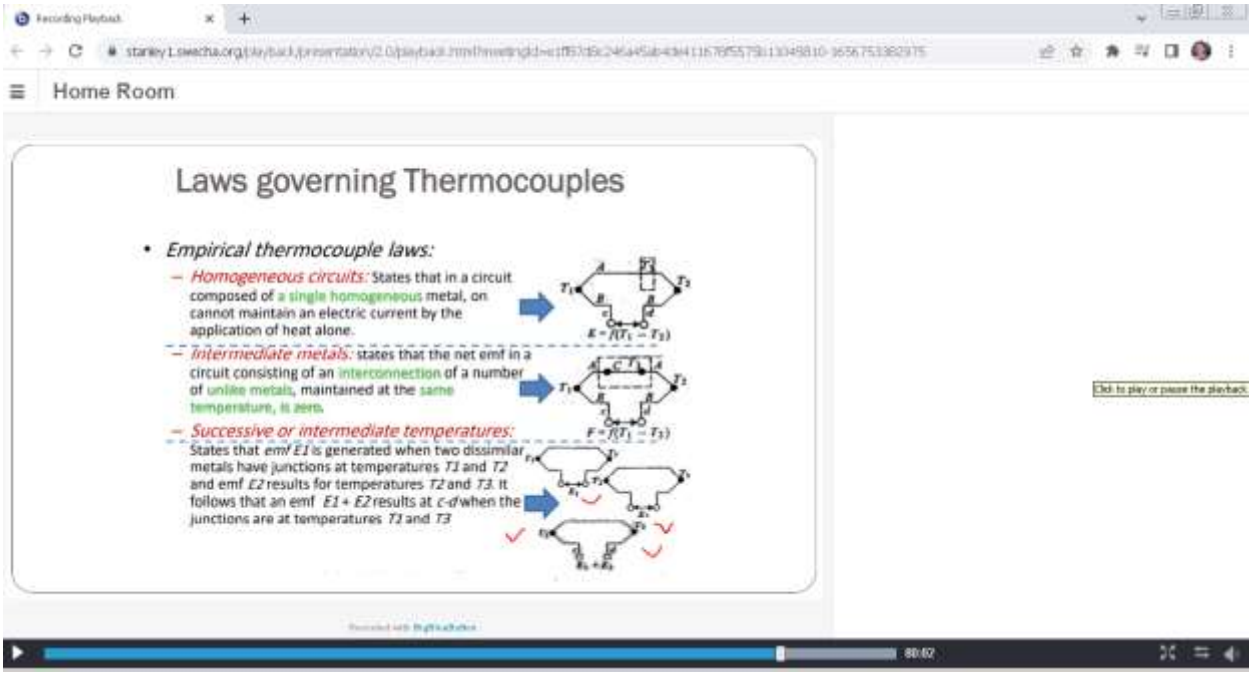
Suggested Readings

1. Lawson, Bryan. How designers think: The design process demystified. Routledge, 2006.
2. Groover, Mikell, and E. W. J. R. Zimmers. CAD/CAM: computer-aided design and manufacturing. Pearson Education, 1983.
3. Cross, Nigel (2011). Design thinking : understanding how designers think and work. Berg. ISBN 9781847886361.
4. Uebernickel, F., Jiang, L., Brenner, W., Pukall, B., Naef, T., &Schindlholzer, B. (2020). Design thinking: The handbook. World Scientific.
5. Lewrick, Michael, Patrick Link, and Larry J. Leifer. The Design Thinking Toolbox: A Guide to Mastering the Most Popular and Valuable Innovation Methods. John Wiley & Sons, Incorporated, 2020.

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experience and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Department of Electronics and Communication Engineering





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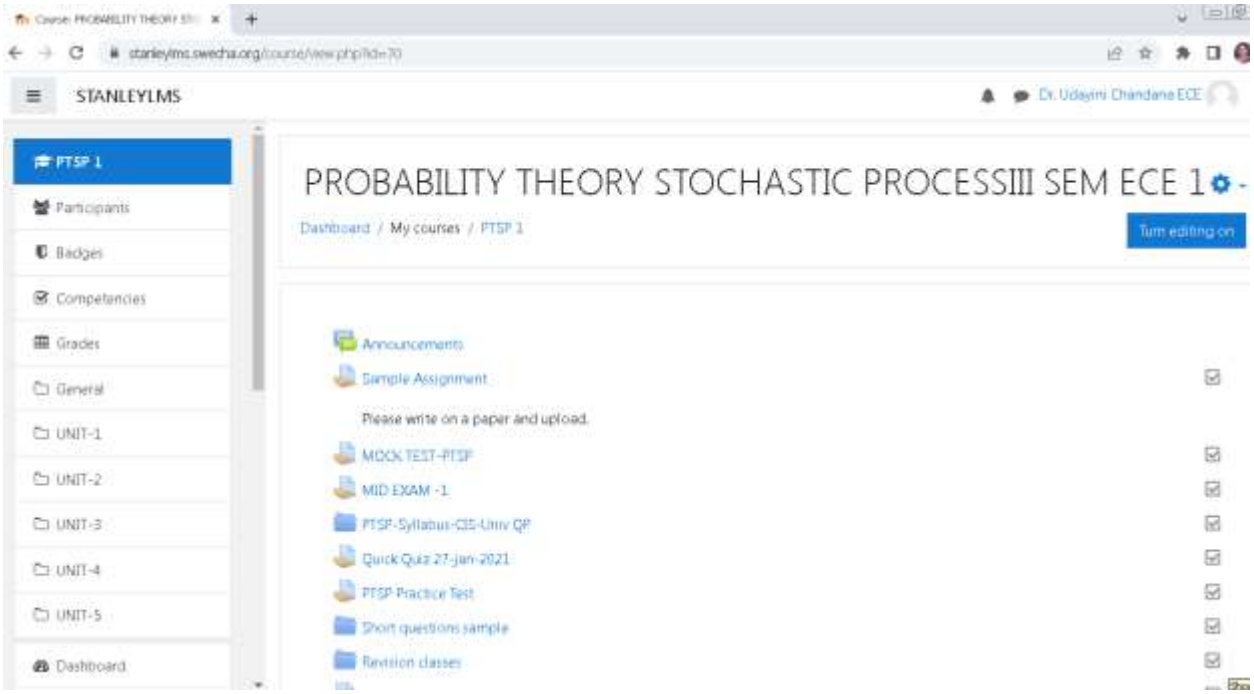

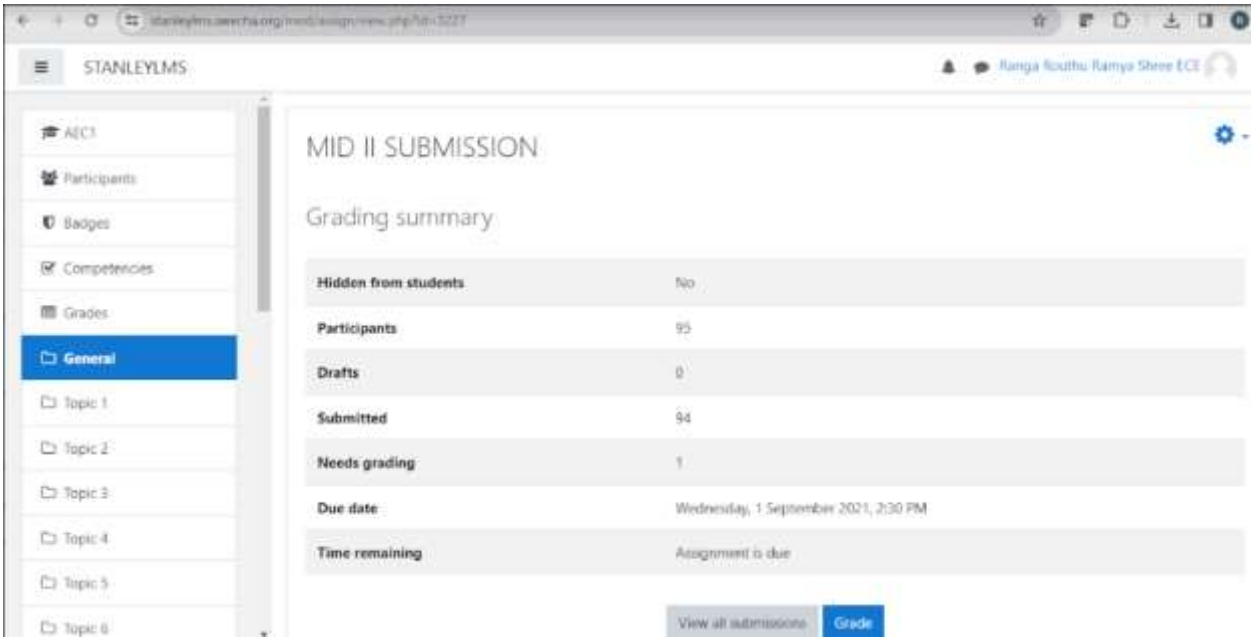

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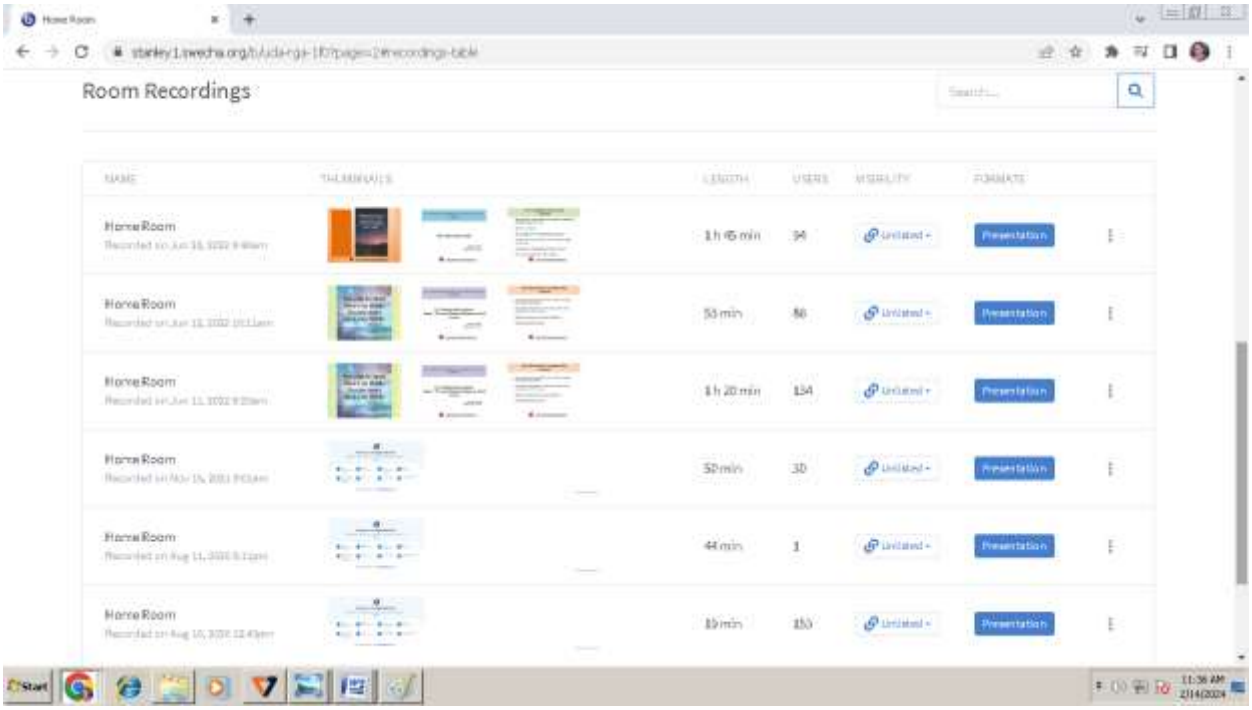
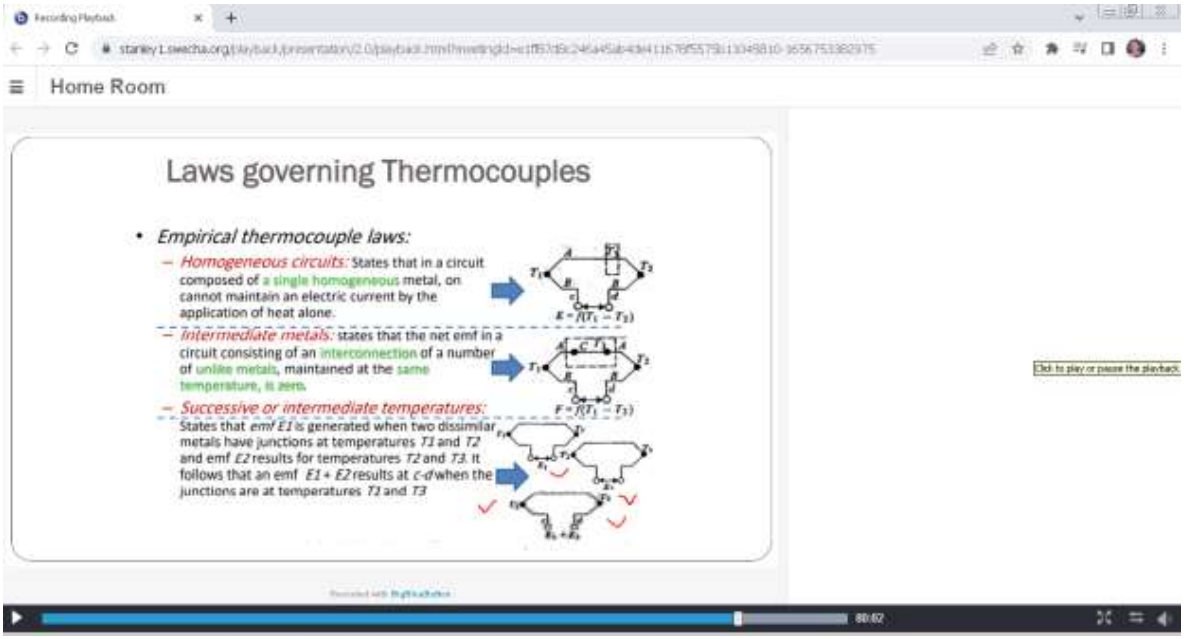
Department of Electronics and Communication Engineering





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Department of Electronics and Communication Engineering

CIN : U72900AP2014PTC094871

BeeS Software Solutions Private Limited

aspiring minds... Empowering solutions...

Ref : BEES/STANLEY/LETTER/100/22-23
Date : 27.10.2022

Sub: Release of Payment of AMC

To
The Principal,
Stanley College of Engineering and Technology for Women,
Chapel Road, Fateh Maidan, Abids, Hyderabad, Telangana 500001

Dear Sir,

This letter is for your kind perusal and approval. We are happy to serve you and glad that you are enjoying our services. We are here to intimate you about the AMC Renewal.

Payment Particulars

Sl No	Particulars	Unit Cost	Total Cost
1	ERP Annual Maintenance Contract for the period of 2022-2023	INR 42,500.00 +18% GST	INR 50,150.00

Please make kind arrangement for the release of **Rs. 50,150.00** (Fifty thousand one hundred fifty Rupees only) at the earliest.

- Payment should be made on the name of BeeS Software Solutions Private Limited.
- A/C Name: Bees Software Solutions Private Limited
- A/c No: 562020110000082,
- IFSC: BKID0005620,
- Bank: Bank Of India
- Branch: Main Road, Kakinada.

Ensuring our best services always

For BeeS Software Solutions Private Limited

Authorized Signatory.

Contact us: 7093800994, 8466829340 Email: admin@beessoftware.in
Villa No: 1,H.No: 5-45/A/1,Gangasthan,Dulapally(V),Qutbullapur(M),Medchal(D),Telengana-500014.
www.beessoftware.in

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Department of Electronics and Communication Engineering

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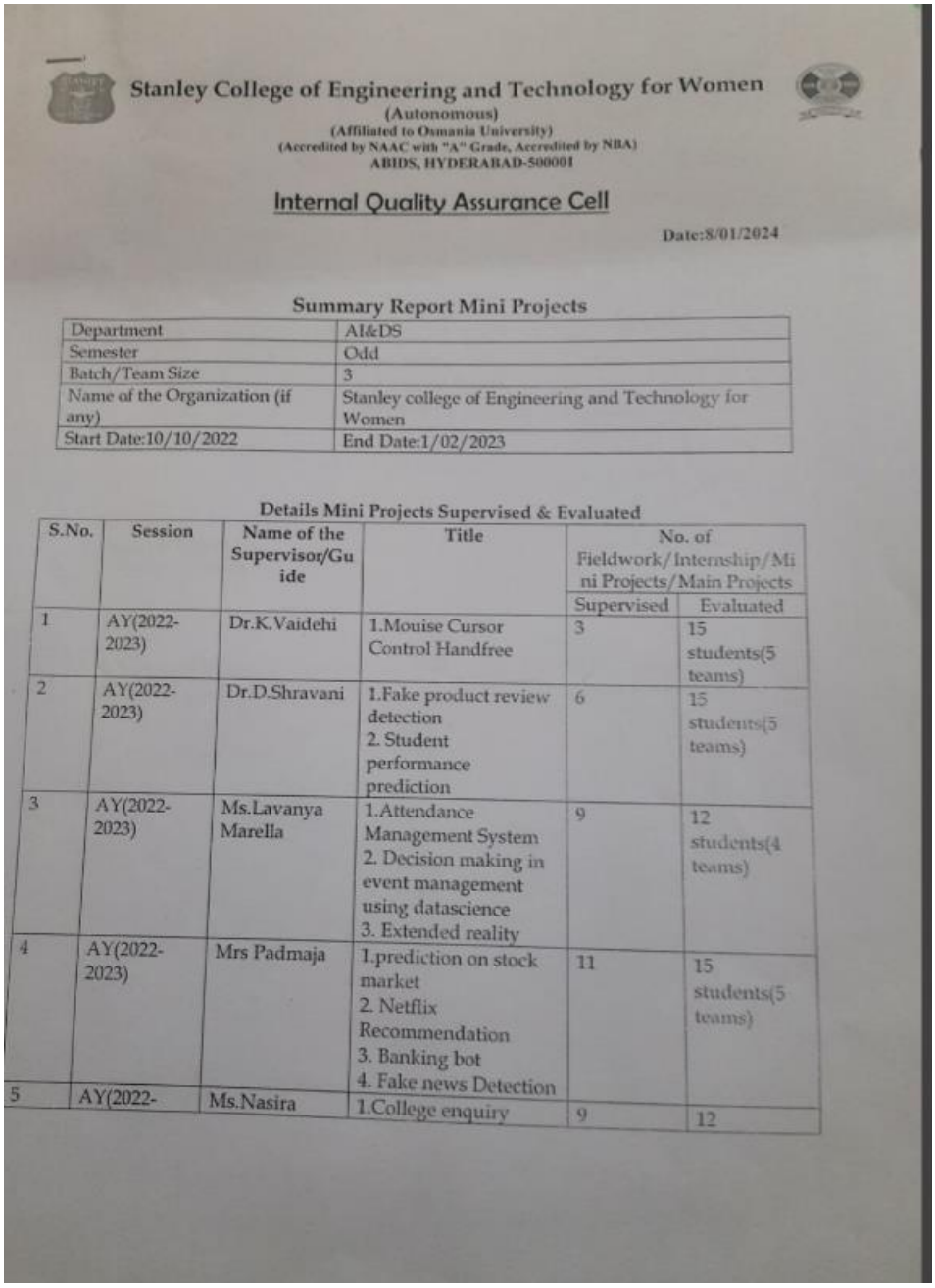
Summary of Projects



Stanley College of Engineering and Technology for Women
(Autonomous)
(Affiliated to Osmania University)
(Accredited by NAAC with "A" Grade, Accredited by NBA)
ABIDS, HYDERABAD-500001

Internal Quality Assurance Cell

Date:8/01/2024

Summary Report Mini Projects

Department	AI&DS
Semester	Odd
Batch/Team Size	3
Name of the Organization (if any)	Stanley college of Engineering and Technology for Women
Start Date:10/10/2022	End Date:1/02/2023

Details Mini Projects Supervised & Evaluated

S.No.	Session	Name of the Supervisor/Guide	Title	No. of Fieldwork/Internship/Mini Projects/Main Projects	
				Supervised	Evaluated
1	AY(2022-2023)	Dr.K.Vaidehi	1.Mouise Cursor Control Handfree	3	15 students(5 teams)
2	AY(2022-2023)	Dr.D.Shravani	1.Fake product review detection 2. Student performance prediction	6	15 students(5 teams)
3	AY(2022-2023)	Ms.Lavanya Marella	1.Attendance Management System 2. Decision making in event management using datascience 3. Extended reality	9	12 students(4 teams)
4	AY(2022-2023)	Mrs Padmaja	1.prediction on stock market 2. Netflix Recommendation 3. Banking bot 4. Fake news Detection	11	15 students(5 teams)
5	AY(2022-	Ms.Nasira	1.College enquiry	9	12

	2023)		chatbot 2. Crime Data Analysis 3. Lung Cancer Prediction using k-nn		students(4 teams)
6	AY(2022-2023)	Ms.Sirisha	1.Emotion Detection 2. Mentoring forms	6	9 students(3 teams)
7	AY(2022-2023)	Ms.Asma Begum	1.JARVIS - The Virtual Assistant 2. Sorting Visualizer	6	9 students(3 teams)
8	AY(2022-2023)	Ms.Juveriya Talath	1.Movie recommendation generator	3	9 students(3 teams)
9	AY(2022-2023)	Ms.S.Sandhya Rani	1.Heart disease prediction 2. Market Basket Analysis	6	9 students(3 teams)

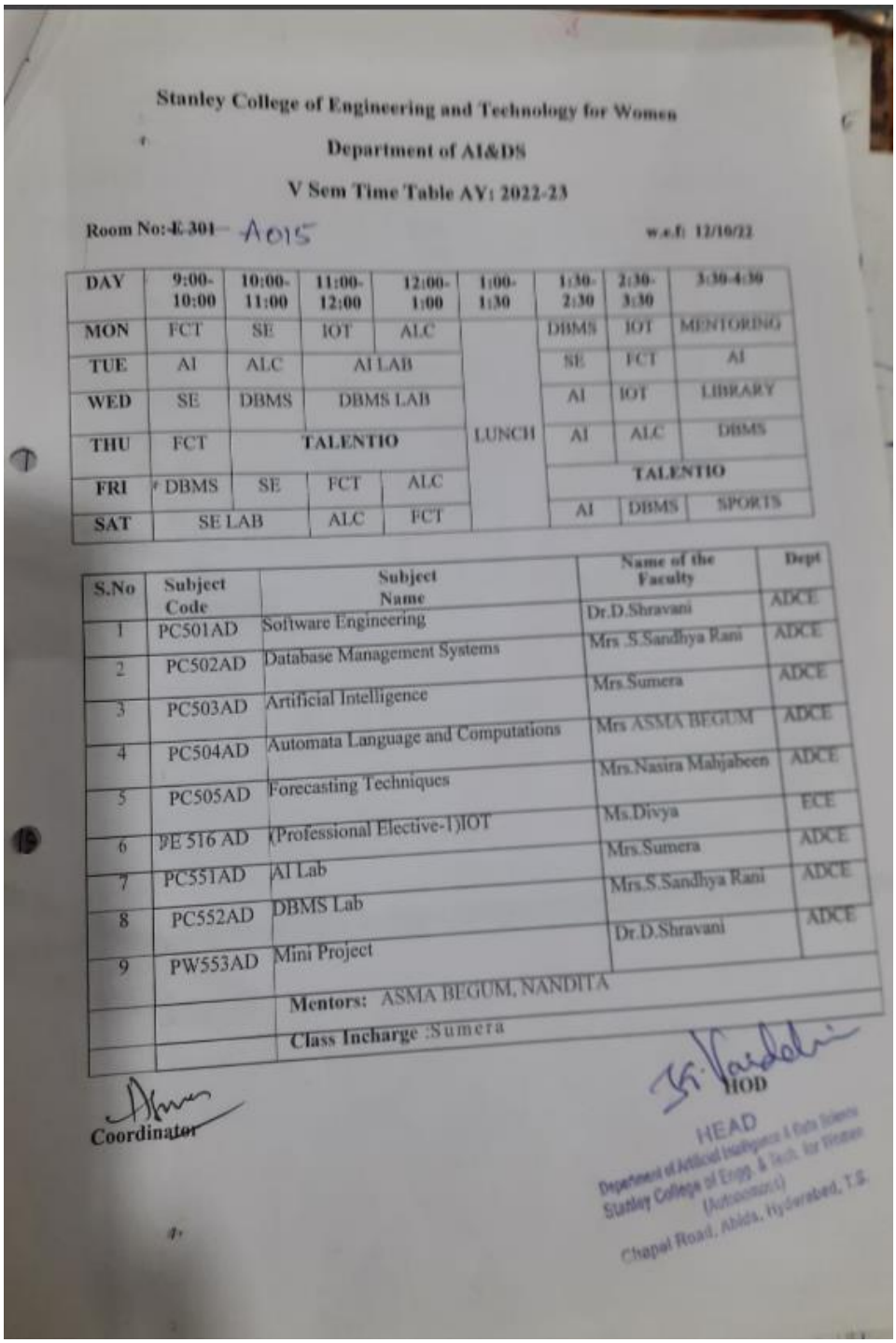
Coordinator 8/1/24
(Name & Signature)
Dr.D. Bhavani

8/1/24
Head
(Name & Signature)

IQAC Coordinator
(Name & Signature)

IQAC Chairperson
(Name & Signature)

CRT TimeTable



Stanley College of Engineering and Technology for Women

Department of AI&DS

V Sem Time Table AY: 2022-23

Room No: ~~C 301~~ A015 w.e.f: 12/10/22

DAY	9:00-10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-1:30	1:30-2:30	2:30-3:30	3:30-4:30
MON	FCT	SE	IOT	ALC		DBMS	IOT	MENTORING
TUE	AI	ALC	AI LAB			SE	FCT	AI
WED	SE	DBMS	DBMS LAB			AI	IOT	LIBRARY
THU	FCT	TALENTIO			LUNCH	AI	ALC	DBMS
FRI	DBMS	SE	FCT	ALC		TALENTIO		
SAT	SE LAB		ALC	FCT		AI	DBMS	SPORTS

S.No	Subject Code	Subject Name	Name of the Faculty	Dept
1	PC501AD	Software Engineering	Dr.D.Shravani	ADCE
2	PC502AD	Database Management Systems	Mrs .S.Sandhya Rani	ADCE
3	PC503AD	Artificial Intelligence	Mrs.Sumera	ADCE
4	PC504AD	Automata Language and Computations	Mrs ASMA BEGUM	ADCE
5	PC505AD	Forecasting Techniques	Mrs.Nasira Mahjabeen	ADCE
6	PE 516 AD	(Professional Elective-I)IOT	Ms.Divya	ECE
7	PC551AD	AI Lab	Mrs.Sumera	ADCE
8	PC552AD	DBMS Lab	Mrs.S.Sandhya Rani	ADCE
9	PW553AD	Mini Project	Dr.D.Shravani	ADCE
		Mentors: ASMA BEGUM, NANDITA		
		Class Incharge :Sumera		

Coordinator

HOD

HEAD
Department of Artificial Intelligence & Data Science
Stanley College of Engg. & Tech. for Women
(Autonomous)
Chapel Road, Abids, Hyderabad, T.S.

Student Participation in Clubs

STANLEY
COLLEGE OF ENGINEERING & TECHNOLOGY FOR WOMEN
(Private Un-aided Non-minority UGC Autonomous Institution)

A Report on

Coder's Club Inaugural Ceremony on the Occasion of Anniversary Celebration of Department of Artificial Intelligence & Data Science and Computer Engineering

The Coder's Club inaugural ceremony was held on 29-11-22, in the college premises at Seminar Hall, on the occasion of Anniversary of AI&DS and CME department. The event was formally inaugurated by Principal Dr. Satya Prasad Lanka, in the presence of HOD, other staff, students and club members of AI&DS and CME Department. The inaugural speech was given by the Principal of our college. Dr.K.Vaidehi HOD of AI&DS and CME Department spoke about the importance of Coding in the modern world.

Convenor of Coder's Club:

1.Mrs.Dr.DShravani Assistant Professor of AI&DS and CME department.
2.Mrs Asma Begum Assistant Professor of AI&DS and CME department

Faculty Coordinators of Coder's club:

1.Mrs.R.Sirisha, Assistant Professor of AI&DS and CME department
2.Mrs.Priya Nandini, Assistant Professor of AI&DS and CME department
3.Ms.Juveriya Talath. Assistant Professor of AI&DS and CME department
4.Mrs.S.Sandhya Rani, Assistant Professor of AI&DS and CME department.

Student Coordinators of Coder's club

1.Ms. Satwika III sem AI&DS.
2. Ms. Khansa Nazeer V sem CME.
3. Ms. Sumayya V sem CME.
4. Vaishnavi V sem CME.
5. Ms. Shriya V sem AI&DS.

FDPS, workshops,Events

Stanley College of Engineering and Technology for Women

Artificial Intelligence& Data Science

Department of Computer Engineering

Event: Python FDP

Dates:11.08.22-19.08.22

Coordinators: Ms.Sumera,Ms.Sirisha

Club Activiities

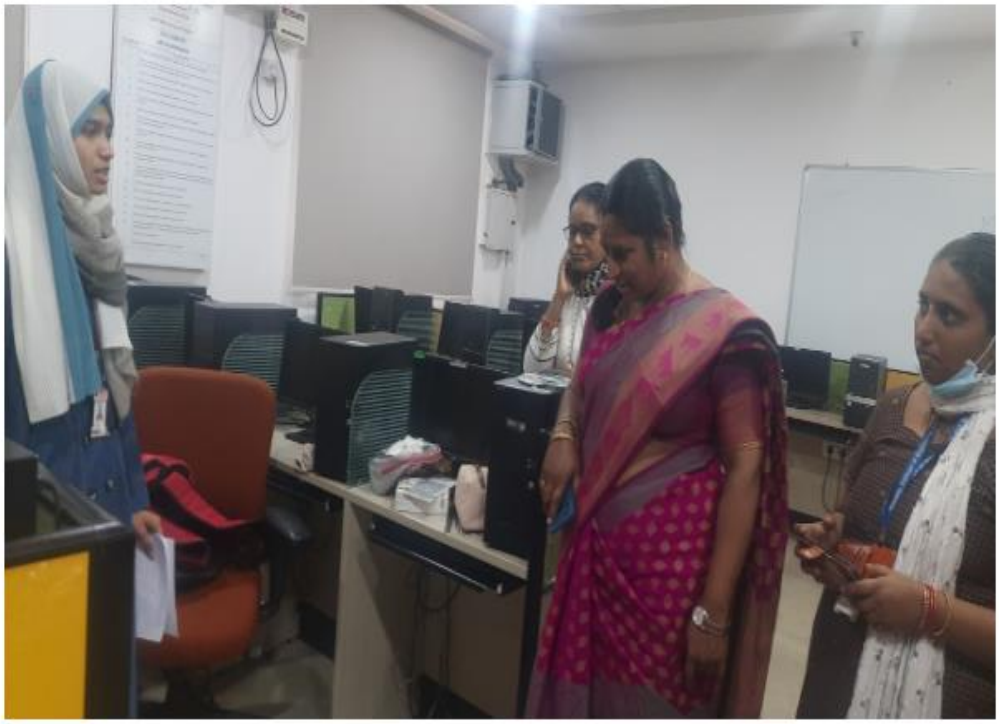
AASYA Club Activities

Coordinator: Dr.D.Shravani

Event: smile care foundation children Date 22.10.2022

Cultural Events

Record of presentations



Project Expo

OU Schema

Faculty of Engineering, OU B.E.(I.T.) w.e.f. 2023 - 2024

SCHEME OF INSTRUCTION & EXAMINATION
B.E (INFORMATION TECHNOLOGY)
VII Semester

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Course										
1.	PC701IT	Internet of Things	3	-	-	3	30	70	3	3
2.	PC702IT	Big Data Analytics	3	-	-	3	30	70	3	3
3	OE-II	Open Elective II	3	-	-	3	30	70	3	3
4.	PE-III	Professional Elective-III	3	-	-	3	30	70	3	3
5.	PE-IV	Professional Elective IV	3	-	-	3	30	70	3	3
Practical/Laboratory Courses										
5	PC751IT	Internet Of Things Lab	-	-	2	2	25	50	3	1
6	PW752IT	Project Work–I	-	-	6	6	50	-	-	3
7	SI651IT	Summer Internship	-	-	-	-	50	-	-	2
Total			15	-	08	23	275	400	18	21

PC: Professional Core; **PE**: Professional Elective; **HS**: Humanities and social Science;
MC: Mandatory; **L**: Lecture; **T**: Tutorial; **P**: Practical
CIE: Continuous Internal Evaluation; **SEE**: Semester End Examination (Univ.Exam)

Note:

1. Each contact hour is one clock hour.
2. The duration of practical class is two hours, however it can be extended whenever necessary to enable the students to complete the program.

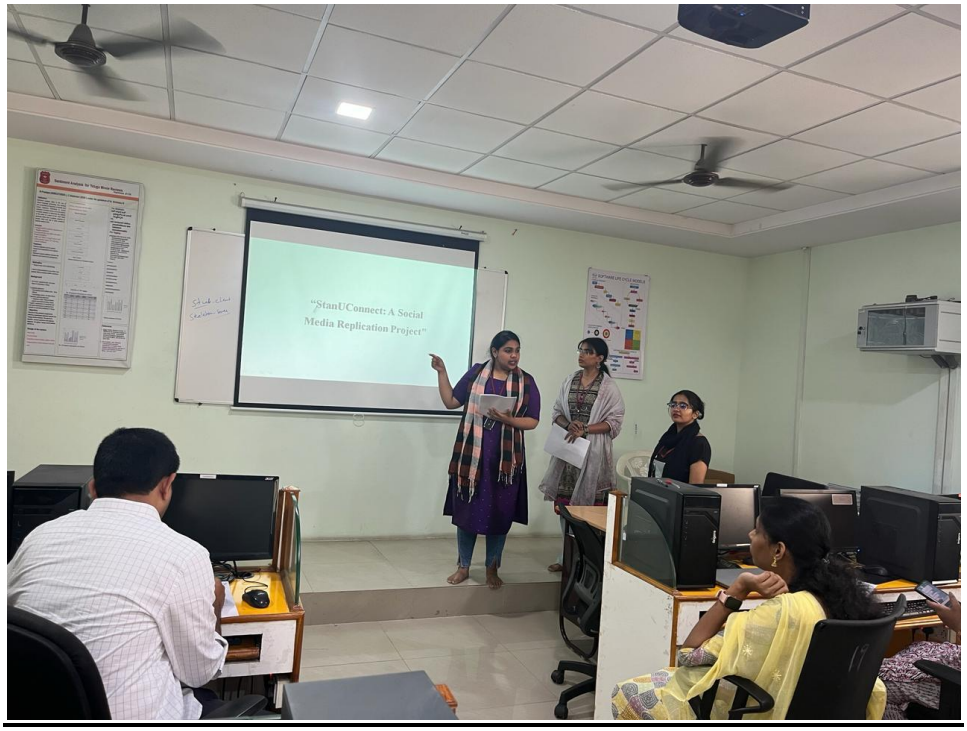
Autonomous Schema

Autonomous *With effect from Academic Year 2022-23*

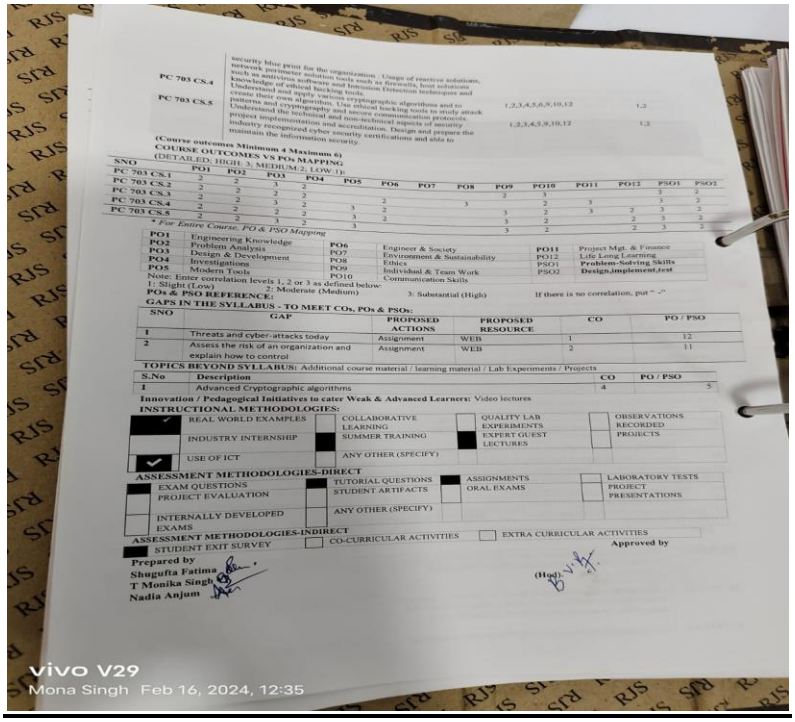
AI&DS: SEMESTER – III

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/	CIE	SEE	SEE Duration in	
Theory Courses										
1	SBS301MT	Mathematics -III (Probability and Statistics)	3	-	-	3	40	60	3	3
2	SES301AD	Discrete Mathematics	3	-	-	3	40	60	3	3
3	SPC301AD	OOPs using Java	3	-	-	3	40	60	3	3
4	SPC302AD	Database Management System	3	-	-	3	40	60	3	3
5	SPC303AD	Concepts in Computer Organization & Microprocessor	3	-	-	3	40	60	3	3
6	SAC902EE	Electrical Technology	2	-	-	2	-	-	-	-
Practical/ Laboratory Courses										
7	SPC311AD	OOPs using Java Lab	-	-	4	4	40	60	3	2
8	SPC312AD	Database Management System Lab	-	-	4	4	40	60	3	2
9	SPC313AD	Concepts in Computer Organization & Microprocessor Lab	-	-	4	4	40	60	3	2
Total			**17**	**-**	**12**	**29**	**320**	**480**		**21**

Record in support of conduct of Seminars, Assignments and Presentations, Group discussions, Case studies and Role plays



Topics beyond syllabus (CIS scan copy)



Record of guest lectures, seminars, and workshops

Activities of student level Clubs/NSS/IIC/IIIC and Entrepreneurship Development Cell

Students' participation in cultural events

Students' participation in Sports and Games of District/State/National and International levels

Group Discussions, Quiz, Poster Presentations, Games and Simulation Exercises and Project Demonstrations etc.

Stanley College of Engineering and Technology for Women

(AUTONOMOUS)

(Affiliated to Osmania University)

(Accredited by NAAC with "A" Grade, Accredited by NBA)

Chapel Road, Abids, Hyderabad – 500 001

Department Of Computer Science And Engineering Cultural Club

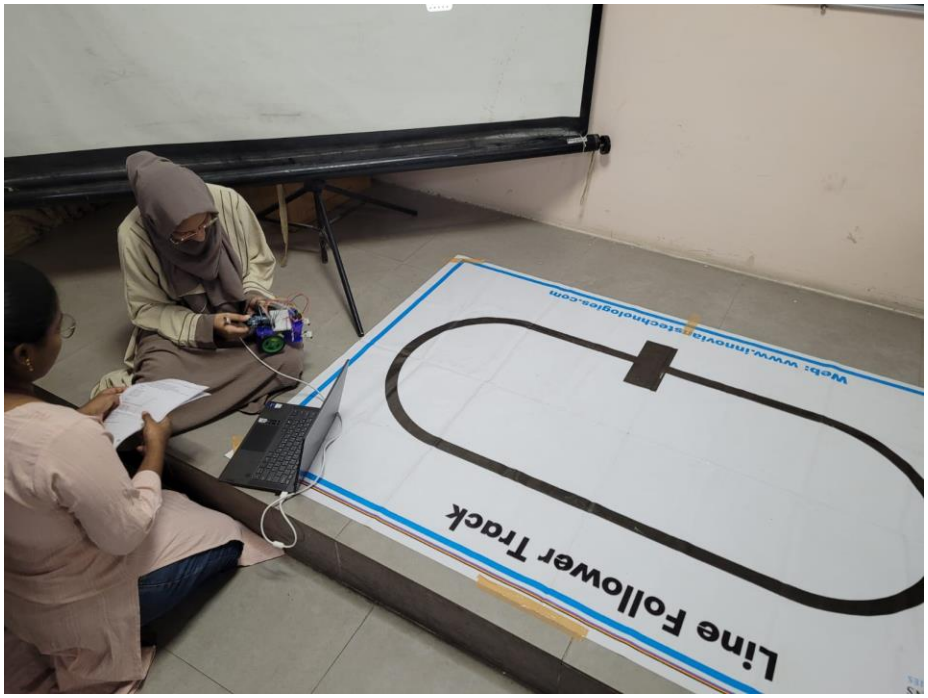
Team members:

1. Badam Rithika - President
2. M.Sri lalitha ranga - Vice president
3. Iruventi Satwika - Secretary
4. Pullisani Satvika - Treasurer
5. Peruka Shalini - Visual Arts Head
6. A. Manvitha - Deputy visual Arts Head
7. Vijaya Sindhoori Kaza - Events Head
8. Harshita Vyas - Deputy Events Head
9. Sri Kameswari Talluri - publicity Head
10. Naksshatra - Deputy publicity Head
11. Rithika Chintha - Communications Head
12. Haniya - Deputy communications Head.

Mrs. R[illegible]handrika
Sign of Event Coordinator

Dr. YVSS Pragathi
HoD

Projects Expos



Summary of one-week Field work

Design Thinking (scan copy of scheme & detailed syllabus)

Course Code	Course Title					Core/Elective
	Design Thinking					
SHS0111CS	Contact Hours per Week			CIE	SEE	CREDITS
Prerequisite	L	T	D	P		
	0	0	-	2	40	60	1

COURSE OBJECTIVE(S):
The objective of this Course is to provide the new ways of creative thinking and Learn the innovation cycle of Design Thinking process for developing innovative products which useful for a student in preparing for an engineering career.

Course Outcomes :
Student will able to
1. Compare and classify the various learning styles and memory techniques and Apply them in their engineering education
2. Analyze emotional experience and Inspect emotional expressions to better understand users while designing innovative products
3. Develop new ways of creative thinking and Learn the innovation cycle of Design Thinking process for developing innovative products
4. Propose real-time innovative engineering product designs and Choose appropriate frameworks, strategies, techniques during prototype development
5. Perceive individual differences and its impact on everyday decisions and further Create a better customer experience.

Unit 1: Components of Decision Making System
Understanding the Learning Process, Kolb's Learning Styles, Assessing and Interpreting.
Remembering Memory: Understanding the Memory process, Problems in retention, Memory enhancement techniques.
Emotions: Experience & Expression: Understanding Emotions: Experience & Expression, Assessing Empathy, Application with Peers.

Activity: Create Charts for learning process, learning styles,interpretation.

Unit 2: Basics of Design Thinking (HCD- Human Centric Design)
Definition of Design Thinking, Need for Design Thinking, Objective of Design Thinking, Concepts & Brainstorming, Stages of Design Thinking Process (explain with examples) – **Empathize, Define, Ideate, Prototype, Test.**
Design Thinking & Customer Centricity : Practical Examples of Customer Challenges, Use of Design Thinking to Enhance Customer Experience, Parameters of Product experience, Alignment of Customer Expectations with Product Design.

Activity: Steps in chart creation
1) Empathize.
2) Group Discussion.
3) Taking Real Time Example(Washing Machine, Refrigerator etc.)
4) Specify parameters for design.

Unit 3: Creativity and Bug Fixing, Prototyping and Testing

Understanding Creative thinking process, Understanding Problem Solving, Testing Creative Problem Solving.

Prototyping & Testing: What is Prototype? Why Prototype? Rapid Prototype Development process, Testing, Sample Example, Test Group Marketing.

Activity: Block Diagram and Flow Chart for each Module.
Simulation

Unit 4: Tools of Design thinking

Real-Time design interaction capture and analysis – Enabling efficient collaboration in digital space - Empathy for design – Collaboration in distributed Design.

Activity: Tools and Testing

Unit 5: Future Emerging Trends

Artificial Intelligence, Augmented Reality and Virtual Reality, Quantum Computing and IoT & Consumer Appliances

Activity: Draw Charts in any one application domain (Health care, Defense etc.)

Text/Reference Books:

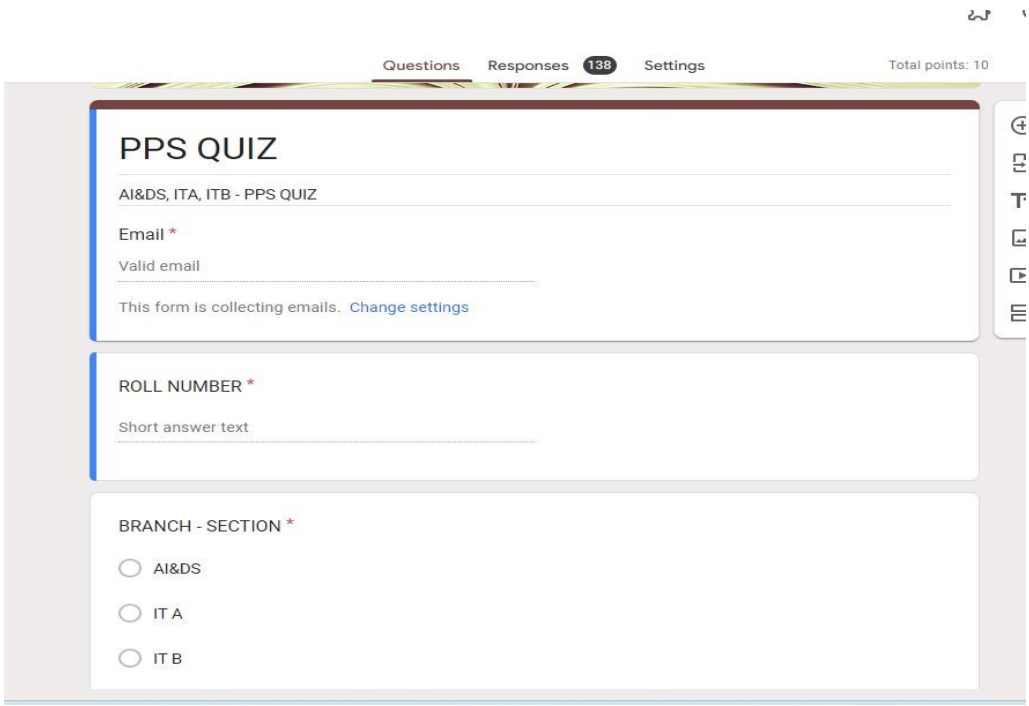
1. E.Balaguruswamy(2022), Developing Thinking Skills(The way to success), Khanna Book Publishing Company.
2. John.R.Karsnitz, Stephen O'Brien and John P. Hutchinson, "Engineering Design", Cengage learning (International edition) Second Edition, 2013.
3. Book - Solving Problems with Design Thinking - Ten Stories of What Works (Columbia Business School Publishing) Hardcover – 20 Sep 2013 by Jeanne Liedtka (Author), Andrew King (Author), Kevin Bennett (Author).

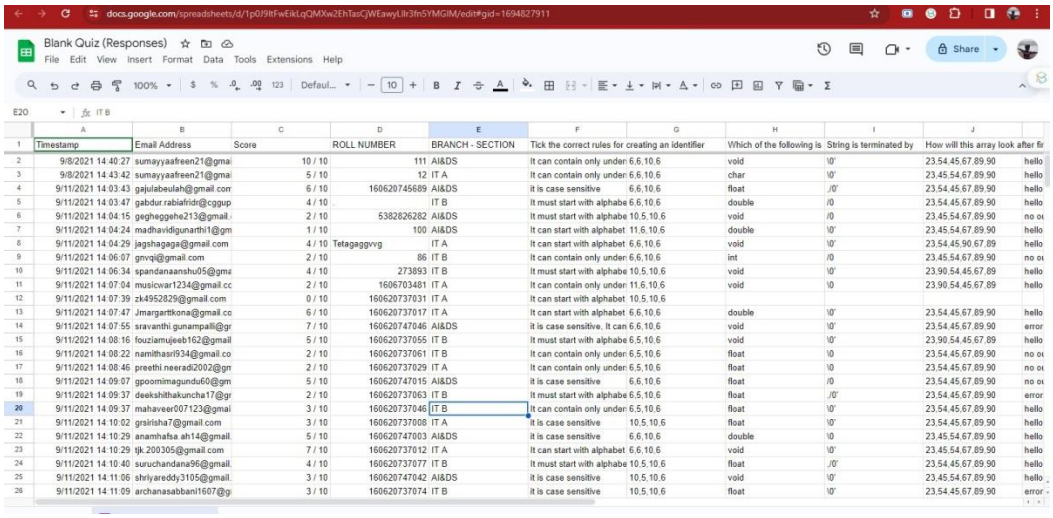
<u>Hackathons' Project Expos Design Contests etc. which are conducted by AICTE, WIE, T-HUB and OTBI OU etc</u>.

Image of classroom with projectors installed

Image of BigBlueButton, Moodle and LMS

Proof of online competitions, quizzes and polls

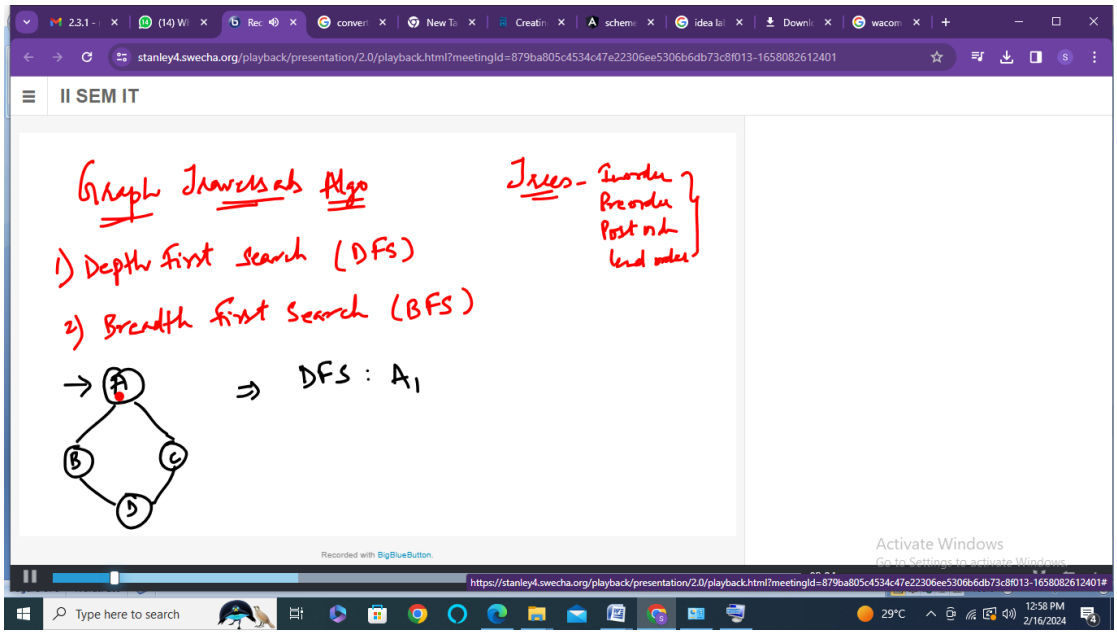




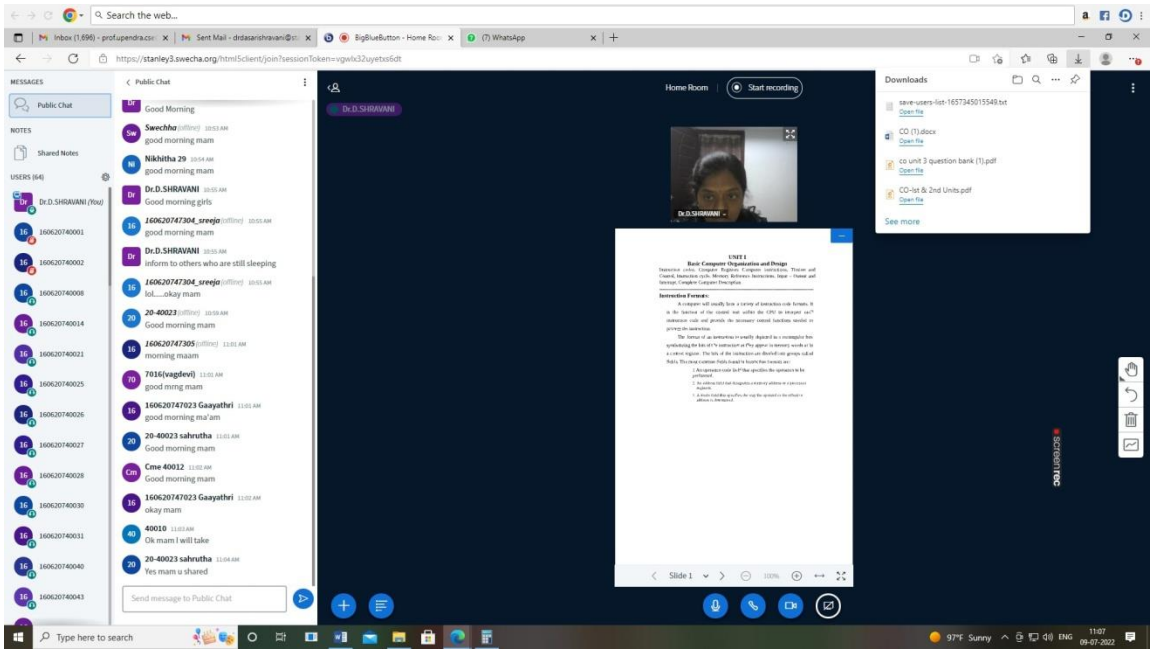
Blank Quiz (Responses)

	Timestamp	Email Address	Score	ROLL NUMBER	BRANCH - SECTION	Tick the correct rules for creating an identifier		Which of the following is	String is terminated by	How will this array look after fir
2	9/8/2021 14:40:27	sumayyaafreen21@gmai	10 / 10	111	AI&DS	It can contain only under	6,6,10,6	void	\0'	23,54,45,67,89,90 hello
3	9/8/2021 14:43:42	sumayyaafreen21@gmai	5 / 10	12	IT A	It can contain only under	6,6,10,6	char	\0'	23,45,54,67,89,90 hello
4	9/11/2021 14:03:43	gajulabeulah@gmail.com	6 / 10	160620745689	AI&DS	it is case sensitive	6,6,10,6	float	,/0'	23,54,45,67,89,90 hello
5	9/11/2021 14:03:47	gabdur.rabiafridi@cgup	4 / 10		IT B	It must start with alphabe	6,6,10,6	double	/0	23,54,45,67,89,90 hello
6	9/11/2021 14:04:15	gegheggehe213@gmail.	2 / 10	5382826282	AI&DS	It must start with alphabe	10,5,10,6	void	/0	23,45,54,67,89,90 no ou
7	9/11/2021 14:04:24	madhavidigunarthi1@gm	1 / 10	100	AI&DS	It can start with alphabet	11,6,10,6	double	\0'	23,45,54,67,89,90 hello
8	9/11/2021 14:04:29	jagshagaga@gmail.com	4 / 10	Tetagaggvrg	IT A	It can start with alphabet	6,6,10,6	void	\0'	23,54,45,90,67,89 hello
9	9/11/2021 14:06:07	gnvqi@gmail.com	2 / 10	86	IT B	It can contain only under	6,6,10,6	int	/0	23,45,54,67,89,90 no ou
10	9/11/2021 14:06:34	spandanaanshu05@gma	4 / 10	273893	IT B	It must start with alphabe	10,5,10,6	void	\0'	23,90,54,45,67,89 hello
11	9/11/2021 14:07:04	musicwar1234@gmail.co	2 / 10	1606703481	IT A	It must start with alphabe	11,6,10,6	void	\0	23,90,54,45,67,89 hello
12	9/11/2021 14:07:39	zk4952829@gmail.com	0 / 10	160620737031	IT A	It can start with alphabet	10,5,10,6			
13	9/11/2021 14:07:47	Jmargarttkona@gmail.co	6 / 10	160620737017	IT A	It can start with alphabet	6,6,10,6	double	\0'	23,54,45,67,89,90 hello
14	9/11/2021 14:07:55	sravanthi.gunampalli@gr	7 / 10	160620747046	AI&DS	it is case sensitive, It can	6,6,10,6	void	\0'	23,54,45,67,89,90 error
15	9/11/2021 14:08:16	fouziamujeeb162@gmail	5 / 10	160620737055	IT B	It must start with alphabe	6,5,10,6	void	\0'	23,90,54,45,67,89 hello
16	9/11/2021 14:08:22	namithasri934@gmail.co	2 / 10	160620737061	IT B	It can contain only under	6,5,10,6	float	\0	23,54,45,67,89,90 no ou
17	9/11/2021 14:08:46	preethi.neeradi2002@gm	2 / 10	160620737029	IT A	It can contain only under	6,5,10,6	float	\0	23,54,45,67,89,90 no ou
18	9/11/2021 14:09:07	gpoornimagundu60@gm	5 / 10	160620747015	AI&DS	it is case sensitive	6,6,10,6	float	/0	23,54,45,67,89,90 no ou
19	9/11/2021 14:09:37	deekshithakuncha17@gr	2 / 10	160620737063	IT B	It must start with alphabe	6,5,10,6	float	,/0'	23,54,45,67,89,90 error
20	9/11/2021 14:09:37	mahaveer007123@gmai	3 / 10	160620737046	IT B	It can contain only under	6,5,10,6	float	\0'	23,54,45,67,89,90 hello
21	9/11/2021 14:10:02	grsirisha7@gmail.com	3 / 10	160620737008	IT A	it is case sensitive	10,5,10,6	float	\0'	23,54,45,67,89,90 hello
22	9/11/2021 14:10:29	anamhafsa.ah14@gmail.	5 / 10	160620747003	AI&DS	it is case sensitive	6,6,10,6	double	\0	23,45,54,67,89,90 hello
23	9/11/2021 14:10:29	tjk.200305@gmail.com	7 / 10	160620737012	IT A	It can start with alphabet	6,6,10,6	void	\0'	23,45,54,67,89,90 hello
24	9/11/2021 14:10:40	suruchandana96@gmail.	4 / 10	160620737077	IT B	It must start with alphabe	10,5,10,6	float	,/0'	23,54,45,67,89,90 hello
25	9/11/2021 14:11:06	shriyareddy3105@gmail.	3 / 10	160620747042	AI&DS	it is case sensitive	10,5,10,6	void	\0'	23,45,54,67,89,90 hello
26	9/11/2021 14:11:09	archanasabbani1607@g	3 / 10	160620737074	IT B	it is case sensitive	10,5,10,6	float	\0'	23,54,45,67,89,90 error

Wacom Board facility (Image and/or document)



Proof showing recording of lectures made available to students



BEES software tool (Invoice and Screenshot)

CIN : U72900AP2014PTC094871

BeeS Software Solutions Private Limited

aspiring minds... Empowering solutions...

Ref : BEES/STANLEY/LETTER/100/22-23
Date : 27.10.2022

Sub: Release of Payment of AMC

To
The Principal,
Stanley College of Engineering and Technology for Women,
Chapel Road, Fateh Maidan, Abids, Hyderabad, Telangana 500001

Dear Sir,

This letter is for your kind perusal and approval. We are happy to serve you and glad that you are enjoying our services. We are here to intimate you about the AMC Renewal.

Payment Particulars

Sl No	Particulars	Unit Cost	Total Cost
1	ERP Annual Maintenance Contract for the period of 2022-2023	INR 42,500.00 +18% GST	INR 50,150.00

Please make kind arrangement for the release of **Rs. 50,150.00** (Fifty thousand one hundred fifty Rupees only) at the earliest.

- Payment should be made on the name of BeeS Software Solutions Private Limited.
- A/C Name: Bees Software Solutions Private Limited
- A/c No: 562020110000082,
- IFSC: BKID0005620,
- Bank: Bank Of India
- Branch: Main Road, Kakinada.

Ensuring our best services always

For BeeS Software Solutions Private Limited

Authorized Signatory.

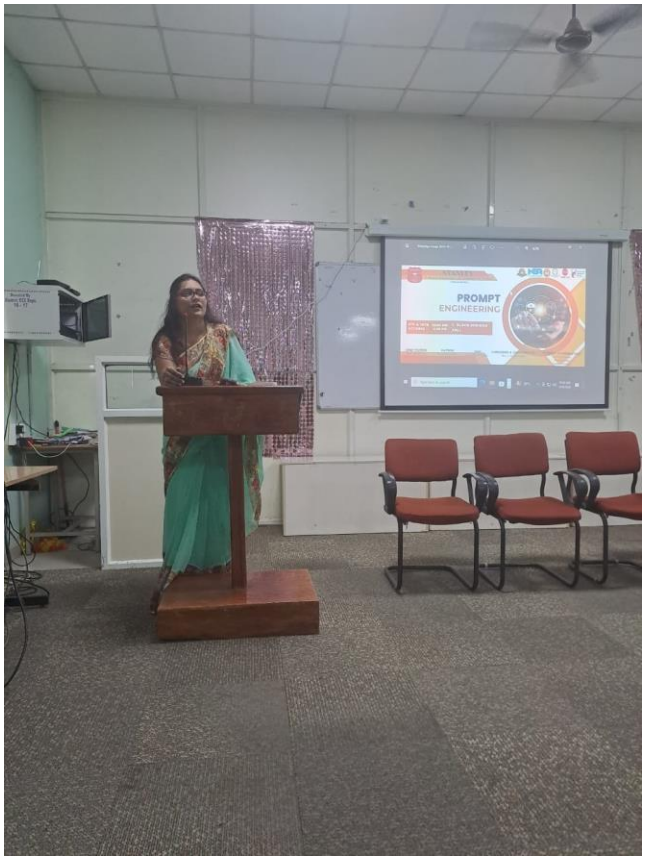
Contact us: 7093800994, 8466829340 Email: admin@beessoftware.in

Villa No: 1,H.No: 5-45/A/1,Gangasthan,Dulapally(V),Qutbullapur(M),Medchal(D),Telengana-500014.

www.beessoftware.in

Images of 03 seminar halls equipped with digital facilities


STANLEY
IDEATHON
2023
Participants to be Stanlians


PROMPT
ENGINEERING


RESEARCH PROBLEM
Dr L K Suresh Kumar

No. of printers, scanners, desktops

S.No	Devices	Number
1	Printers	04
2	Scanners	02
3	Desktops	215

Stanley College of Engineering & technology for Women (Autonomous)

Department of Computer Science & Engineering

Minutes of the meeting of Board of Studies - Computer Science & Engineering

Agenda: UG & PG 1. Schema finalization 2. Syllabus

Venue: Seminar Hall, E- Block (Online Mode)

Date: 9th July 2021

Time: 2.00PM

Resolutions proposed by the Panel Members are:

For UG Schema -

1. Programming for problem solving of Semester 1 -Theory and Laboratory detailed syllabus has been approved.
2. Data Structures using C of Semester 2 -Theory and Laboratory detailed syllabus has been approved.
3. **Professional Cores**:
    I. In Semester 3, Python programming with 2 hours theory and 2 hours of Laboratory with separate examinations to be conducted for theory and laboratory.
    II. In Semester 3, Concepts in Computer Organization & Microprocessor Subject name to be changed as Computer Organization with 4 units of computer organization and 1 unit of microprocessor-8085.
    III. Swapping of subjects Compiler design in semester 6 with Software engineering in semester 5 (theory and laboratory).
4. **Professional Electives**:
    I. Replace professional elective -1, subject Parallel Computing with Data Science with R.
    II. Replace professional elective -4, Data science with R with Predictive Analytics using R.

5. **Open Electives**:
    I. Recommended to include Management and English Subjects instead of technical subjects.

For PG Schema –

1. In Professional Core subjects combine Advanced data structures and Advanced Algorithms as single subject, Data Structures and Algorithms.
2. Introduce Python Programming as Professional Core subject.
3. Recommended to rearrange the professional electives as basket/threads.

Members attended:

1. Dr B V Ramana Murthy, Chairperson
2. Prof. P V Sudha, Subject Expert – University Nominee
3. Prof. V Vijay Kumar – Subject Expert-1
4. Prof. Abdul Salman Moiz - Subject Expert-2
5. Prof. P Sateesh Kumar – Subject Expert-3
6. Dr. K Chandra Bhusan – Industry Representative
7. Mrs. T Monika Singh – Alumni
8. Prof. A Vinaya Babu – Permanent Invitee
9. Prof. Satya Prasad Lanka – Permanent Invitee
10. Prof. Y V S Sai Pragathi – Senior Faculty-1
11. Dr. P R Anisha – Senior Faculty-2

Stanley College of Engineering and Technology for Women

(Autonomous)
(Affiliated to Osmania University)
(Accredited by NAAC with "A" Grade, Accredited by NBA)
ABIDS, HYDERABAD-500001

Internal Quality Assurance Cell

Date:11-1-24

Summary Report on Fieldwork/Internship/Mini Projects/Main Projects

Department	CSE-B
Semester	EVEN
Batch/Team Size	3
Name of the Organization (if any)	Stanley College Of Engineering And Technology For Women
Start Date:13/03/2023	End Date: 22/05/2023

Details of Fieldwork/Internship/Mini Projects/Main Projects Supervised & Evaluated

S.No.	Session	Name of the Supervisor/Guie	Title	No. of Fieldwork/Internship/Mini Projects/Main Projects	
				Supervised	Evaluted
1	2022-2023	Dr.B.Srinivasu	Multimodal Fusion For Fake News Detection	Dr.B.Srinivasu	PRC MEMBERS
2	2022-2023	Dr.B.V.Ramana Murthy	Credit Card Fraud Detection	Dr.B.V.Ramana Murthy	PRC MEMBERS
3	2022-2023	Dr .R.Manivannan	Vehicle Detection For Traffic Rule Violation	Dr .R.Manivannan	PRC MEMBERS
4	2022-2023	Dr P R Anisha	Live Transcript Generation For Sign Language Gestures	Dr P R Anisha	PRC MEMBERS
5	2022-2023	Dr.M.Swapna	Measurement Metrics Of Voice Using Ml	Dr.M.Swapna	PRC MEMBERS

6	2022-2023	Mr.M.Ravikumar	Lane Fiinding For Autonomous Vehicles	Mr.M.Ravikumar	PRC MEMBERS
7	2022-2023	Dr.ShivaniYadvo	Gesture Based Input Devices Using Deep Learning	Dr.ShivaniYadvo	PRC MEMBERS
8	2022-2023	Mrs.M.Soumya	Recipe Generation From Food Images	Mrs.M.Soumya	PRC MEMBERS
9	2022-2023	Mrs.D.Radhika	Accident Severity Prediction Model	Mrs.D.Radhika	PRC MEMBERS
10	2022-2023	Mrs.SumayyaAfreen	Invisible Mantle And Face Swapping Using Opencv And Python	Mrs.SumayyaAfreen	PRC MEMBERS
11	2022-2023	Mrs.K.Srilatha	Colorizing Monochromatic Images	Mrs.K.Srilatha	PRC MEMBERS
12	2022-2023	Mrs.T.Monika Singh	Diverse Ailment Prognosis By Machine Learning	Mrs.T.Monika Singh	PRC MEMBERS
13	2022-2023	Shugufta Fatima	Finding Psychological Instability	Shugufta Fatima	PRC MEMBERS
14	2022-2023	A.Tejaswi	Palm Oil Crop Yield Prediction Using Ml	A.Tejaswi	PRC MEMBERS
15	2022-2023	Ms.HafsaIua	Sentimental Analysis Using Machine Learning	Ms.HafsaIua	PRC MEMBERS
16	2022-2023	Dr.Y V S SPragathi	Abnormal Human Activity Recognition	Dr.Y V S SPragathi	PRC MEMBERS
17	2022-2023	Ms.Ghousiyaa Begum	The Strength Of The Algorithms For Encryption Using Svm	Ms.Ghousiyaa Begum	PRC MEMBERS

18	2022-2023	Mrs.P.Rishitha	Data Poison Detection Scheme Using Machine Learning	Mrs.P.Rishitha	PRC MEMBERS
19	2022-2023	Dr.Y V S SPragathi	Machine Learning Algorithm For Cardiovascular Disease Prediction	Dr.Y V S SPragathi	PRC MEMBERS
20	2022-2023	Mrs.A,SethuMadhavi	Ml Based Body Mass Index Detection Using Facial Recognition	Mrs.A,SethuMadhavi	PRC MEMBERS
21	2022-2023	Mrs. Raga Chandrika	Breast Cancer Prediction Using Deep Learning	Mrs. Raga Chandrika	PRC MEMBERS
22	2022-2023	Mrs.MThejaswee	Finding Patterns In Beauty Products - A Tsne Analysis Of Cosmetic Ingredients	Mrs.MThejaswee	PRC MEMBER

PRC MEMBERS:
DR.Y V S S PRAGATHI,
DR.M.SWAPNA, Mrs.SUMAYYA AFREEN, Mrs.P.Rishitha, Ms. A.Tejaswi

Coordinator
DR.Y V S S PRAGATH
A.TEJASWI

Head
DR.Y V S S PRAGATHI

IQAC Coordinator
(Name & Signature)

IQAC Chairperson
(Name & Signature)

Note: Maintain separate reports for Fieldwork/Internship/Mini Projects/MainProjects.

SEMESTER - I

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/ Week	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SHS901EG	English	2	-	-	2	40	60	3	2
2	SBS101MT	Mathematics - I	3	1	-	4	40	60	3	4
3	SBS902PH	Applied Physics	3	-	-	3	40	60	3	3
4	SES101CS	Programming for Problem Solving	3	-	-	3	40	60	3	3
5	SMC902PY	Essence of Indian Traditional Knowledge	2	-	-	2	40	60	3	-
6	SMC901PO	Indian Constitution	2	-	-	2	40	60	3	-
Practical / Laboratory Courses										
7	SHS911EG	English Lab	-	-	2	2	40	60	3	1
8	SBS912PH	Applied Physics Lab	-	-	4	4	40	60	3	2
9	SES111CS	Programming for Problem Solving Lab	-	-	4	4	40	60	3	2
10	SES914ME	Workshop	-	-	6	6	40	60	3	3
		Total	**15**	**1**	**16**	**32**	**400**	**600**	**30**	**20**

SEMESTER - II

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/ Week	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SBS201MT	Mathematics-II	3	1	-	4	40	60	3	4
2	SBS904CH	Chemistry	3		-	3	40	60	3	3
3	SES901EC	Basic Electrical & Electronics Circuits	3	-	-	3	40	60	3	3
4	SES202CS	Data Structures with C	3	-	-	3	40	60	3	3
5	SMC903CE	Environmental Science	2	-	-	2	40	60	3	-
6	SAC902CS	Design Thinking	2	-	-	2	50	-	-	-
Practical / Laboratory Courses										
7	SBS913CH	Chemistry Lab	-	-	4	4	40	60	3	2
8	SES915ME	Engineering Graphics & Design	1	-	4	5	40	60	3	3
9	SES212CS	Data Structures with C Lab	-	-	2	2	40	60	3	1
10	SES911EC	Basic Electrical & Electronics Circuits Lab	-	-	4	4	40	60	3	2
11	SPW211CS	Field Work	Thestudents have to undergo a Field work of 2-week duration after II- Semester SEE or during semester breaks.				50	-	-	1
		Total	**17**	**01**	**14**	**32**	**460**	**540**	**27**	**22**

SEMESTER - III

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/ Week	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SBS302MT	Mathematics-III (Probability & Statistics)	3	-	-	3	40	60	3	3
2	SES301CS	Discrete Mathematics	3	-	-	3	40	60	3	3
3	SES302EC	Digital Electronics	3	-	-	3	40	60	3	3
4	SPC301CS	OOPs using Java	3	-	-	3	40	60	3	3
5	SPC302CS	Computer Organization	3	-	-	3	40	60	3	3
Practical / Laboratory Courses										
6	SES312CS	Python Programming Lab	2	-	2	4	40	60	3	3
7	SPC311CS	OOPs using Java Lab	-	-	3	3	40	60	3	1.5
8	SPC312CS	Computer Organization Lab	-	-	3	3	40	60	3	1.5
		Total	**17**	**0**	**8**	**25**	**320**	**480**	**24**	**21**

SEMESTER - IV

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/ Week	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SHS902EG	Effective Technical Communication Skills	3	-	-	3	40	60	3	3
2	SPC401CS	Automata Theory Languages and Computation	3	-	-	3	40	60	3	3
3	SPC402CS	Artificial Intelligence	3	-	-	3	40	60	3	3
4	SPC 403CS	Database Management Systems	3	-	-	3	40	60	3	3
5	SPC404CS	Operating Systems	3	-	-	3	40	60	3	3
6	SAC903EE	Electrical Technology	2	-	-	2	50	-	-	-
Practical / Laboratory Courses										
7	SPC413CS	Database Management Systems Lab	-	-	3	3	40	60	3	1.5
8	SPC 414CS	Operating Systems Lab	-	-	3	3	40	60	3	1.5
9	SPC415CS	Web Technology & Applications Lab	2	-	3	5	40	60	3	3.5
10	SPW421CS	Internship-1	The students have to undergo an Internship of 2-week duration after IV- Semester SEE				50	-	-	1
		Total	**19**	**0**	**09**	**28**	**420**	**480**	**24**	**22.5**

SEMESTER - V

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/ Week	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SPC501CS	Design and Analysis of Algorithms	3	-	-	3	40	60	3	3
2	SPC502CS	Data Communication & Computer Networks	3	-	-	3	40	60	3	3
3	SPC503CS	Compiler Design	3	-	-	3	40	60	3	3
4	SPE 501CS	Professional Elective-I	3	-	-	3	40	60	3	3
5	SOE I	Open Elective-I	3	-	-	3	40	60	3	3
Practical / Laboratory Courses										
6	SPC511CS	Design and Analysis of Algorithms Lab	-	-	3	3	40	60	3	1.5
7	SPC512CS	Data Communication & Computer Networks Lab	-	-	3	3	40	60	3	1.5
8	SPC513CS	Compiler Design Lab	-	-	3	3	40	60	3	1.5
		Total	**15**	**-**	**09**	**24**	**320**	**480**	**24**	**19.5**

SEMESTER - VI

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/ Week	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SHS601BM	Managerial Economics & Financial Accounting	3	-	-	3	40	60	3	3
2	SPC601CS	Data Mining	3	-	-	3	40	60	3	3
3	SPC 602CS	Software Engineering	3	-	-	3	40	60	3	3
4	SPC 603CS	Distributed Systems	3	-	-	3	40	60	3	3
5	SPE 601CS	Professional Elective-II	3	-	-	3	40	60	3	3
Practical / Laboratory Courses										
6	SPC 611CS	Data mining Lab	-	-	3	3	40	60	3	1.5
7	SPC 612CS	Software Engineering Lab with Mini Project	-	-	5	5	40	60	3	2.5
8	SPC 613CS	Distributed Systems Lab	-	-	3	3	40	60	3	1.5
9	S TS 611CS	Technical Seminar-1	-	-	3	3	50	-	-	1
10	SPW611CS	Internship -2	The students have to undergo an Internship of 4-week duration after VI - Semester SEE				50	-	-	1
		Total	**15**	**-**	**14**	**29**	**420**	**480**	**24**	**22.5**

SEMESTER - VII

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/ Week	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SPC 701CS	Machine Learning	3	-	-	3	40	60	3	3
2	SPE701CS	Professional Elective-III	3	-	-	3	40	60	3	3
3	SPE702CS	Professional Elective-IV	3	-	-	3	40	60	3	3
4	SPE703 CS	Professional Elective-V	3	-	-	3	40	60	3	3
5	SOE II	Open Elective-II	3	-	-	3	40	60	3	3
Practical / Laboratory Courses										
6	SPC 711CS	Machine Learning Lab	-	-	3	3	40	60	3	1.5
7	SPE 711CS	Professional Elective-III Lab	-	-	2	2	40	60	3	1
8	SPW 711CS	Project Work – I	-	-	6	6	40	-	3	3
9	S TS 612CS	Technical Seminar-2	-	-	2	2	50	-	-	1
		Total	**15**	**-**	**13**	**28**	**370**	**420**	**24**	**21.5**

SEMESTER - VIII

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/ Week	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SOE III	Open Elective - III	3	-	-	3	40	60	3	3
Practical / Laboratory Courses										
2	SPW811CS	Project Work – II	-	-	16	16	40	120	3	8
		Total	**3**	**-**	**16**	**19**	**80**	**180**	**6**	**11**

CSE: Semester - I

Sl. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SBS0101MT	Mathematics-I	3	1	-	4	40	60	3	4
2	SBS0901CH	Applied Chemistry	3	1	-	4	40	60	3	4
3	SES0101CS	Programming for Problem Solving	3	-	-	3	40	60	3	3
4	SHS0901EG	English	2	-	-	2	40	60	3	2
5	SHS0902EG	Universal Human Values-II: Understanding Harmony and Ethical Human Conduct	2	-	-	2	40	60	3	2
Practical / Laboratory Courses										
6	SBS0911CH	Chemistry Lab	-	-	2	2	40	60	3	1
7	SES0111CS	Programming for Problem Solving Lab	-	-	4	4	40	60	3	2
8	SES0911ME	Engineering Graphics Lab	-	-	4	4	40	60	3	2
9	SHS0111CS	Design Thinking	-	-	2	2	40	60	3	1
		Total	**11**	**02**	**12**	**27**	**360**	**540**	**27**	**21**

CSE: Semester - II

Sl. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SBS0902PH	Applied Physics	3	1	-	4	40	60	3	4
2	SBS0201MT	Mathematics-II	3	1	-	4	40	60	3	4
3	SES0201CS	Data Structures	3	-	-	3	40	60	3	3
4	SES0204EE	Basic Electrical & Electronics Engineering	3	1	-	4	40	60	3	4
Practical / Laboratory Courses										
5	SBS0912PH	Physics Lab	-	-	2	2	40	60	3	1
6	SHS0911EG	English Lab	-	-	2	2	40	60	3	1
7	SES0211CS	Data Structures Lab	-	-	4	4	40	60	3	2
8	SES0912ME	Engineering Workshop	-	-	4	4	40	60	3	2
9	SES0214EE	Basic Electrical & Electronics Engineering Lab	-	-	2	2	40	60	3	1
10	SPW0221CS	IDEA Lab Workshop	-	-	2	2	40	60	3	1
		Total	**12**	**03**	**16**	**31**	**400**	**600**	**30**	**23**

CSE: Semester - III

Sl. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SBS0301MT	Mathematics III	4	-	-	4	40	60	3	4
2	SPC0301CS	OOPs using Java	3	1	-	4	40	60	3	4
3	SES0301EC	Logic Switching Theory	3	-	-	3	40	60	3	3
4	SPC0302CS	Computer Organization & Microprocessor	3	-	-	3	40	60	3	3
5	**SES0302EC**	Integrated Electronics	3	-	-	3	40	60	3	3
Practical/ Laboratory Courses										
6	SPC0311CS	OOPs using Java Lab	-	-	2	2	40	60	3	1
7	SPC0312CS	IT Workshop (SCI Lab/MATLAB Lab)	-	-	2	2	40	60	3	1
8	SES0312EC	Integrated Electronics Lab	-	-	2	2	40	60	3	1
9	SHS0912EG	Advanced Communication skills Lab	-	-	2	2	40	60	3	1
		Total	**16**	**1**	**8**	**25**	**360**	**540**	**27**	**21**

CSE: Semester - IV

Sl. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SPC0401CS	Mathematical Foundations for Computer Science	3	-	-	3	40	60	3	3
2	SPC0402CS	Theory of Computation	3	-	-	3	40	60	3	3
3	SPC0403CS	Database Management Systems	3	1	-	4	40	60	3	4
4	SHS0901BM	Managerial Economics & Financial Accountancy	3	-	-	3	40	60	3	3
5	SPC0404CS	Operating Systems	3	-	-	3	40	60	3	3
6	SHS0901CH	Environmental Sciences	2	-	-	2	50	-	-	0
Practical / Laboratory Course										
7	SPC0415CS	Python Programming Lab	3	-	2	2	40	60	3	4
8	SPC 0413CS	Database Management Systems Lab	-	-	2	2	40	60	3	1
9	SPC0414CS	Operating Systems Lab	-	-	2	2	40	60	3	1
10	SPW0421CS	Internship-1	The students have to undergo an Internship of 4-week duration after IV-Semester SEE				-	-	-	-
		Total	**20**	**1**	**06**	**23**	**370**	**480**	**24**	**22**

CSE: Semester - V

Sl. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SPC0501CS	Data Mining and Machine Learning	3	-	-	3	40	60	3	3
2	SPC0502CS	Computer Networks	3	-	-	3	40	60	3	3
3	SPC0503CS	Design and Analysis of Algorithms	3	-	-	3	40	60	3	3
4	SPE 190XCS	Professional Elective-I	3	-	-	3	40	60	3	3
5	SOE190XXX	Open Elective-I	3	-	-	3	40	60	3	3
6	SMC0901HS	Indian Constitution	2	-	-	2	50	-	-	0
Practical / Laboratory Courses										
7	SPC0512CS	Computer Networks Lab	-	-	2	2	40	60	3	1
8	SPC0513CS	Design and Analysis of Algorithms Lab	-	-	2	2	40	60	3	1
9	SPC0514CS	Web Technologies Lab	3		2	5	40	60	3	4
10	SPW0421CS	Internship-1	The students have to undergo an Internship of 4-week duration after IV- Semester SEE				50	-	-	1
		Total	**20**	**-**	**06**	**26**	**420**	**480**	**24**	**22**

CSE: Semester - VI

Sl. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SHS0902BM	Entrepreneurship and startups	3	-	-	3	40	60	3	3
2	SPC0601CS	Software Engineering	3	-	-	3	40	60	3	3
3	SPC0 602CS	Information Security	3	-	-	4	40	60	3	3
4	SPC0 603CS	Compiler Design	3	-	-	3	40	60	3	3
5	SPE290XCS	Professional Elective –II	3	-	-	3	40	60	3	3
Practical / Laboratory Courses										
6	SPC0611CS	Software Engineering Lab with Mini Project	-	-	2	2	40	60	3	1
7	SPC0612CS	Information Security Lab	-	-	2	2	40	60	3	1
8	SPC0613CS	Compiler Design Lab	-	-	2	2	40	60	3	1
9	S PW0622CS	Technical Seminar	-	-	2	2	40	60	3	1
10	SPW0621CS	Internship -2	-	-	2	2	50	-	-	1
			The students have to undergo an Internship of 4-week duration after VI- Semester SEE				-	-	-	-
		Total	**15**	**0**	**8**	**23**	**370**	**480**	**24**	**19**

CSE: Semester - VII

Sl. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SPC0701CS	Distributed Systems	3	-	-	3	40	60	3	3
2	SPE390XCS	Professional Elective- III	3	-	-	3	40	60	3	3
3	SPE490XCS	Professional Elective – IV	3	-	-	3	40	60	3	3
4	SPE590XCS	Professional Elective – V	3	-	-	3	40	60	3	3
5	SOE290XXX	Open Elective-II	3	-	-	3	40	60	3	3
Practical / Laboratory Courses										
6	SPC0 711CS	Distributed Systems Lab	-	-	2	2	40	60	3	1
7	SPE391XCS	Professional Elective- III Lab-		-	2	2	40	60	3	1
8	SPW0721CS	Project Work – I	-	-	6	6	40	-	-	3
9	SPW0621CS	Internship -2	The students have to undergo an Internship of 4-week duration after VI- Semester SEE				50	-	-	1
		Total	**15**	**-**	**10**	**25**	**370**	**420**	**21**	**21**

CSE: Semester - VIII

Sl. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SOE390XXX	Open Elective – III	3	-	-	3	40	60	3	3
Practical / Laboratory Courses										
2	SPW0821CS	Project Work – II	-	-	16	16	40	120	3	8
		Total	**3**	**-**	**16**	**19**	**80**	**180**	**6**	**11**

LIST OF PROFESSION ELECTIVES

Professional Elective-I

Course Code	Course Name
SPE1901CS	Principles of Programming Languages
SPE1902CS	Data Science using R
SPE1903CS	Distributed Databases
SPE1904CS	Natural Language Processing
SPE1905CS	Number Theory and Cryptography

Professional Elective-II

Course Code	Course Name
SPE2901CS	OOPs using C++
SPE2902CS	Mobile Computing
SPE2903CS	Storage Area Networks
SPE2904CS	Digital Image Processing
SPE2905CS	Software Security Engineering

Professional Elective-III

Course Code	Course Name
SPE3901CS	Advanced Python Programming
SPE3902CS	Cloud Computing
SPE3903CS	Data Engineering
SPE3904CS	Exploratory data analysis
SPE3905CS	Wireless Sensor Networks

Professional Elective-IV

Course Code	Course Name
SPE4901CS	Predictive Analytics using R
SPE4902CS	Scalable Architecture for Large Applications
SPE4903CS	Information Retrieval Systems
SPE4904CS	Expert Systems
SPE4905CS	Cyber Security

Professional Elective-V

Course Code	Course Name
SPE5901CS	Human Computer Interaction
SPE5902CS	Architecting Applications for Clouding
SPE5903CS	Principles of Data Intensive Systems
SPE5904CS	Deep Learning
SPE5905CS	Block Chain Technology

Open Elective-I

Course Code	Course Name	Offered to
S0E1901CS*	OOPs Using Java	EEE, ECE
S0E1902CS*	Open Source Technologies	IT
S0E1901EC	Signal Analysis And Transformation Techniques	CSE
S0E1902EC	Signals And Systems	AIDS
S0E1901IT	Operating Systems	ECE
S0E1901EE	Reliability Engineering	IT
S0E1901BM	Entrepreneurship	CSE
S0E1902BM	Operations Research	AIDS
S0E1901EG	Soft Skills & Interpersonal Skills	CSE
S0E1902EG	Effective Technical Communication In English	AIDS
S0E1901MT	Operations Research	AIDS

Note: * Denotes Course offered to other departments

Open Elective-II

Course Code	Course Name	Offered to
S0E2901CS*	Software Engineering	EEE
S0E1902CS*	Data Science Using R	ECE
S0E2901EC	Internet Of Things	CSE
S0E2902EC	FUNDAMNETALS OF Iot	EEE
S0E2903EC	Digital Signal Processing	CME
S0E2904EC	Embedded Systems And Its Applications	AIDS
S0E2901IT	Cyber Security	EEE,ECE
S0E2902OTH	Intellectual Property Rights	IT
S0E2901AD	Database Management Systems	ECE
S0E2901BM	Human Resource Management	CME
S0E2902BM	Management Science	CSE
S0E2903BM	Advanced Entrepreneurship	AIDS
S0E2904BM	Quantitative Analysis For Business Decisions	IT
S0E2901EG	Technical Writing For Research	CME
S0E2901MT	Quantitative Analysis For Business Decisions	IT

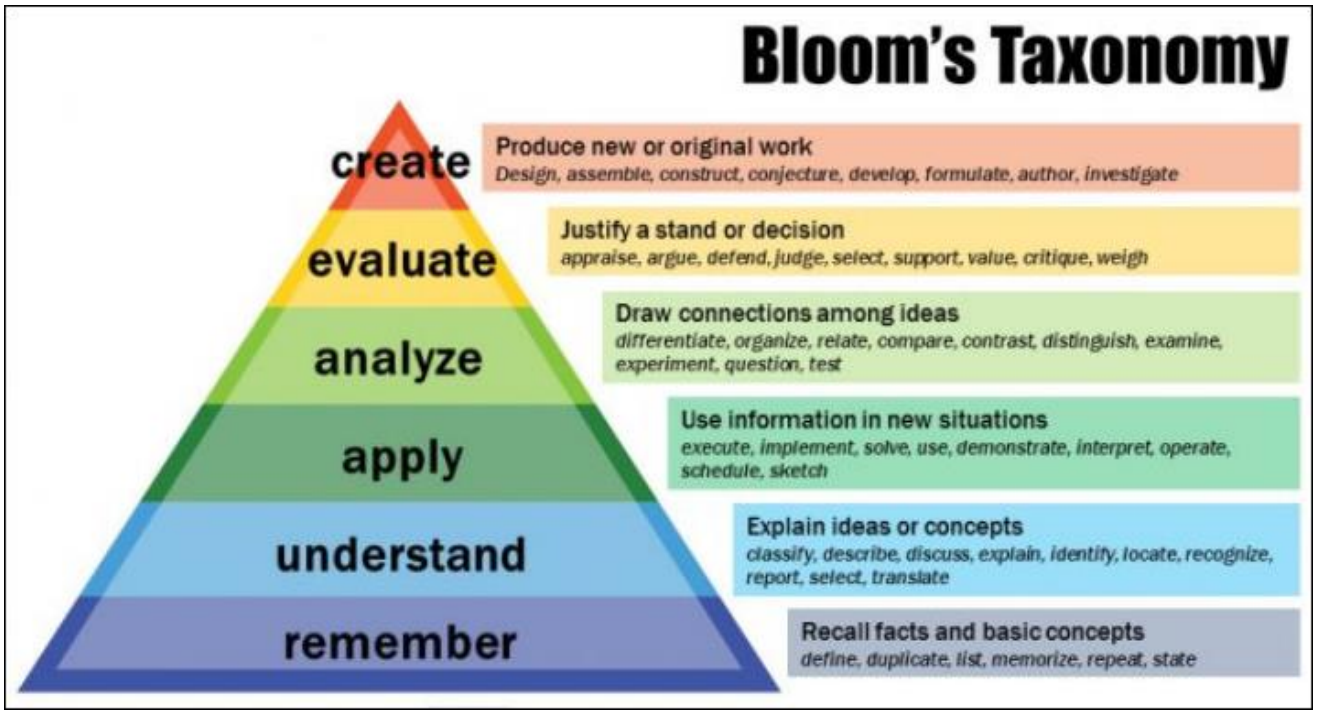
Note: * Denotes Course offered to other departments

Open Elective-III

Course Code	Course Name	Offered to
S0E3901CS*	Database Management Systems	EEE
S0E3901EC	Embedded Systems	CSE
S0E3902EC	Power Management For IoT Devices	CME
S0E3903EC	Internet Of Things	AIDS
S0E3901IT	Software Engineering	ECE
S0E3902OTH	Intellectual Property Rights	ECE
S0E3901AD	Data Science Using R	EEE
S0E3901EE	Energy Conservation And Management	IT
S0E3901BM	Basics Of Entrepreneurship	IT
S0E3902BM	Human Resource Management	CSE
S0E3903BM	Management Information System	CME
S0E3904BM	Supply Chain Management	AIDS
S0E3901EG	Technical Writing For Research	AIDS

Note: * Denotes Course offered to other departments

Bloom's taxonomy



Record in support of conduct of Seminars, Assignments and Presentations, Group discussions, Case studies and Role plays

Topics beyond syllabus (CIS scan copy)

COURSE INFORMATION SHEET

COURSE NAME: Finance and Accounting	**COURSE CODE:** HS105CM	**REGULATION:** 2020-21
PROGRAM / YEAR / SEMESTER: II/IV	**CREDITS:** 70+30 (CREDITS 3)	
COURSE TYPE: CORE		
COURSE AREA/DOMAIN: Accounting, Finanacial Management	**CONTACT HOURS:** 3 hours/Week.	
CORRESPONDING LAB COURSE NAME, CODE (IF ANY): NA		
PRE-REQUISITE COURSES/SEM/CODE (IF ANY) : NA		

SYLLABUS:

UNIT	DETAILS	HOURS (LECTURE)	HOURS (TUTORIAL)
I	**Basics of Accounting:** Financial Accounting–Definition- Accounting Cycle – Journal - Ledger and Trial Balance-Cash Book-Bank Reconciliation Statement (including Problems)	10	
II	**Final Accounts**: Trading Account-Concept of Gross Profit- Profit and Loss Account-Concept of Net Profit Balance Sheet (including problems with minor adjustments)	8	
III	**Financial System and Markets:** Financial System-Components-Role-Considerations of the investors and issuers- Role of Financial Intermediaries. Financial Markets-Players- Regulators and instruments - Money Markets Credit Market- Capital Market (Basics only)	7	
IV	**Basics of Capital Budgeting techniques:** Time Value of money- Compounding- Discounting- Future Value of single and multiple flows- Present Value of single and multiple Flows- Present Value of annuities Financial Appraisal of Projects– Payback Period, ARR- NPV, Benefit Cost Ratio, IRR (simple ratios).	10	
V	**Financial statement Analysis:** Financial Statement Analysis- Importance-Users-Ratio Analysis- liquidity, solvency, turnover and profitability ratios.	8	
	TOTAL	43	

TEXT/REFERENCE/ADDITIONAL BOOKS:

T/R	BOOK TITLE/AUTHORS/PUBLISHER
T1	Satyanarayana. S.V. and Satish. D., Finance and Accounting for Engineering, Pearson Education
T2	M Kasi Reddy and S Saraswathi, "Managerial Economics And Financial Accounting"
R1	Sharma.S.K. and Rachan Sareen, Financial Management, Sultan Chand
R2	Sharan, Fundamentals of Financial Management, Pearson Education
R3	Rajasekharan, Financial Accounting, Pearson Education

WEB SOURCE REFERENCES: (Detailed Topic link)

W1	http://libguides.alfaisal.edu/mba513
W2	https://www.kashflow.com/bookkeeping/double-entry-bookkeeping/
W3	https://www.edupristine.com/blog/capital-budgeting-techniques

COURSE OUTCOMES:

SNO	DESCRIPTION	PO(1..12) MAPPING	PSO(1..3) MAPPING
HS105CM .1	Evaluate the financial performance of the business unit. (evaluate,BLT5)	PO2, PO5, PO8,PO12	PSO1
HS105CM .2	Take decisions on selection of projects. (Create,BLT 1)	PO2, PO5, PO12	PSO1
HS105CM .3	Take decisions on procurement of finances. (Create,BLT 1)	PO3, PO6,PO12	PSO1

HS105CM.4	Analyze the liquidity, solvency and profitability of the business unit.(analyze,BLT 4)	PO1,PO2,PO5, PO11, PO12	PSO1, PSO2
HS105CM.5	Evaluate the overall financial functioning of an enterprise. (evaluate,BLT 5)	PO1,PO2,PO5, PO11, PO12	PSO1

(Course outcomes Minimum 4 Maximum 6)

COURSE OUTCOMES VS POs MAPPING (DETAILED; HIGH:3; MEDIUM:2; LOW:1):

SNO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
HS 105 CM.1		2			2			2				2	3	
HS 105 CM.2		2			2							2	2	
HS 105 CM.3			2			2						2	3	
HS 105 CM.4	2	2			2						2	2	3	2
HS 105 CM.5	2	2			2						2	2	3	
AVG	2.00	2.00	2.00		2.00	2.00		2.00			2.00	2.00	3.00	2.00

** For Entire Course, PO & PSO Mapping*

Note: Enter correlation levels 1, 2 or 3 as defined below:
1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)
If there is no correlation, put "-"

POs & PSO REFERENCE:

PO1	Apply Engineering Knowledge	PO6	Engineer & Society	PO11	Project Mgt. & Finance
PO2	Problem Analysis	PO7	Environment & Sustainability	PO12	Life Long Learning
PO3	Design & Development	PO8	Ethics	PSO1	Skilled Professional
PO4	Investigations of Complex problems	PO9	Individual & Team Work	PSO2	Research Capability
PO5	Modern Tools	PO10	Communication Skills	PSO3	.....

GAPS IN THE SYLLABUS - TO MEET COs, POs & PSOs:

SNO	GAP	PROPOSED ACTIONS	PROPOSED RESOURCE	CO	PO / PSO
1	Unit IV before taking up ARR depreciation, depreciation is not there in the syllabus	Giving basics before topic is covered	Faculty	CO4	PO6,PSO1

TOPICS BEYOND SYLLABUS: Additional course material / learning material / Lab Experiments / Projects

S.No	Description	CO	PO / PSO
1	*Topics to meet the Course Outcome in addition to syllabus*	*CO5*	*PO2,PSO1*

Web Link of the Course Material: http://libguides.alfaisal.edu/mba513
Innovation / Pedagogical Initiatives to cater Weak & Advanced Learners: by assigning additional problems.

INSTRUCTIONAL METHODOLOGIES:

*	REAL WORLD EXAMPLES		COLLABORATIVE LEARNING		QUALITY LAB EXPERIMENTS		OBSERVATIONS RECORDED
	INDUSTRY INTERNSHIP		SUMMER TRAINING		EXPERT GUEST LECTURES		PROJECTS
	USE OF ICT		ANY OTHER (SPECIFY)				

ASSESSMENT METHODOLOGIES-DIRECT:

*	EXAM QUESTIONS	*	TUTORIAL QUESTIONS	*	ASSIGNMENTS		LABORATORY TESTS
	PROJECT EVALUATION		STUDENT ARTIFACTS		ORAL EXAMS		PROJECT PRESENTATIONS
*	INTERNALLY DEVELOPED EXAMS		ANY OTHER (SPECIFY)				

ASSESSMENT METHODOLOGIES-INDIRECT:

	STUDENT EXIT SURVEY	*	CO-CURRICULAR ACTIVITIES		EXTRA CURRICULAR ACTIVITIES

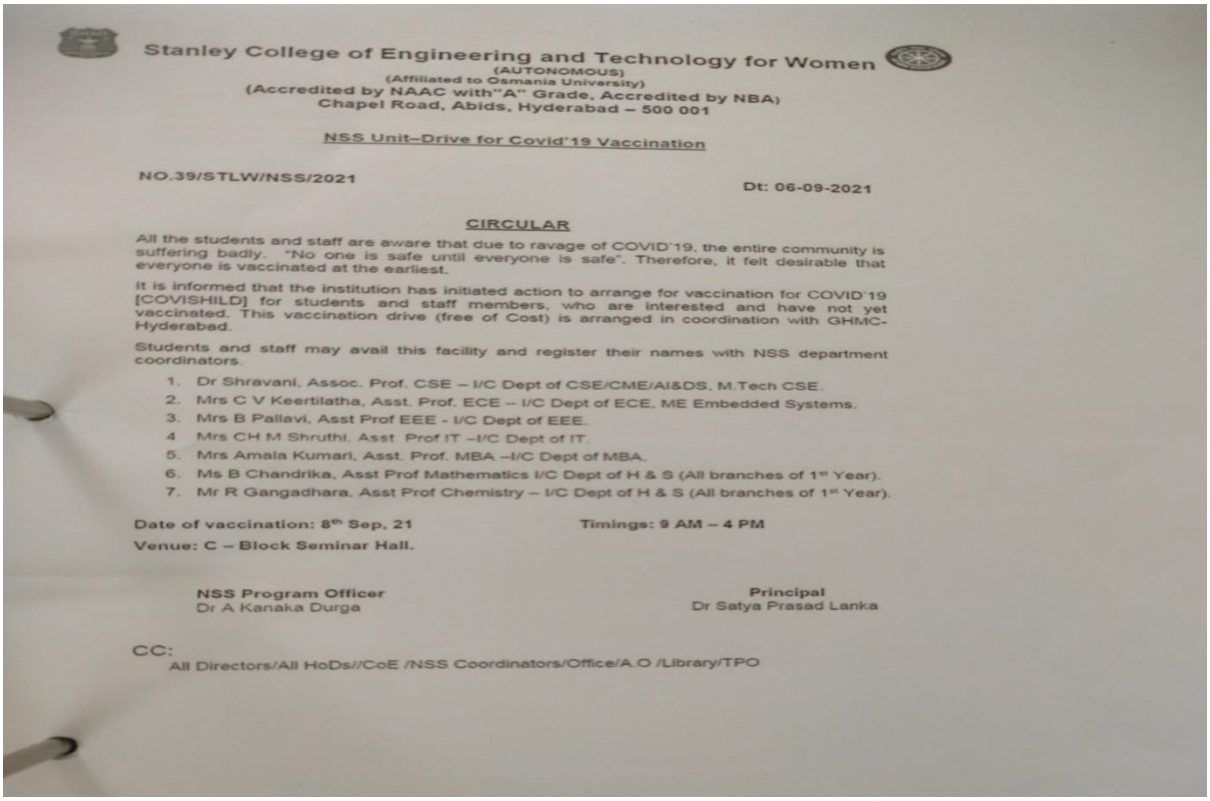
Prepared by
Anjum Fathima

Approved by
(HOD)

Record of guest lectures, seminars, and workshops


LD ENTREPRENEURS DAY
On 21 AUGUST 2023
START UP AWARENES
PROGRAM
* ESSAY WRITING
* POSTER PRESENTATION
* ELOCUTION

Activities of student level Clubs/NSS/IIC/IIIC and Entrepreneurship Development Cell



Stanley College of Engineering and Technology for Women
(AUTONOMOUS)
(Affiliated to Osmania University)
(Accredited by NAAC with "A" Grade, Accredited by NBA)
Chapel Road, Abids, Hyderabad – 500 001

NSS Unit–Drive for Covid'19 Vaccination

NO.39/STLW/NSS/2021 Dt: 06-09-2021

CIRCULAR

All the students and staff are aware that due to ravage of COVID'19, the entire community is suffering badly. "No one is safe until everyone is safe". Therefore, it felt desirable that everyone is vaccinated at the earliest.

It is informed that the institution has initiated action to arrange for vaccination for COVID'19 [COVISHILD] for students and staff members, who are interested and have not yet vaccinated. This vaccination drive (free of Cost) is arranged in coordination with GHMC-Hyderabad.

Students and staff may avail this facility and register their names with NSS department coordinators.

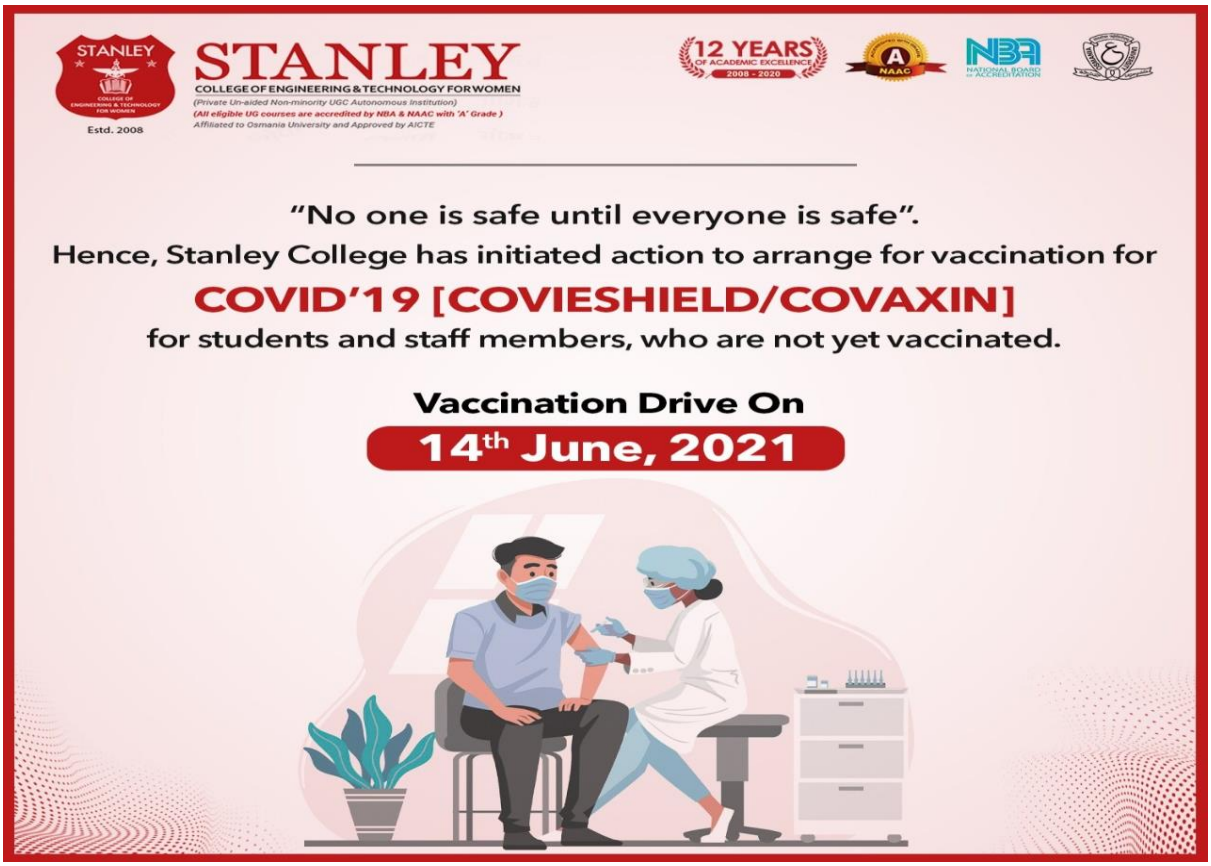
1. Dr Shravani, Assoc. Prof. CSE – I/C Dept of CSE/CME/AI&DS, M.Tech CSE.
2. Mrs C V Keertilatha, Asst. Prof. ECE – I/C Dept of ECE, ME Embedded Systems.
3. Mrs B Pallavi, Asst Prof EEE - I/C Dept of EEE.
4. Mrs CH M Shruthi, Asst. Prof IT –I/C Dept of IT.
5. Mrs Amala Kumari, Asst. Prof. MBA –I/C Dept of MBA.
6. Ms B Chandrika, Asst Prof Mathematics I/C Dept of H & S (All branches of 1st Year).
7. Mr R Gangadhara, Asst Prof Chemistry – I/C Dept of H & S (All branches of 1st Year).

Date of vaccination: 8th Sep, 21 Timings: 9 AM – 4 PM
Venue: C – Block Seminar Hall.

NSS Program Officer
Dr A Kanaka Durga

Principal
Dr Satya Prasad Lanka

CC:
All Directors/All HoDs//CoE /NSS Coordinators/Office/A.O /Library/TPO



Stanley College of Engineering and Technology for Women (Autonomous)

Chapel Road- Abids,HYD

NSS Unit-Drive for Covid19 Vaccination

Registration Form

Department of Business Management

Date: 08-09-2021

S.no.	Name of the Faculty/Student	Age	Branch/Year	Aadhar Number	E-Mail Id	Contact Number
1	Deepika	22	MBA,II year	210626552986	dubbakadeepika2@gmail.com	8309648853
2	Peddireddy Vasavi	21	MBA,II year	6263 2247 5459	vasavipeddireddy@gmail.com	9705291406
3	Tvijaya lakshmi	21	MBA,II year	228015705766	vijaya19thanneru@gmail.com	9652808491
4	Ayesha hussain	22	MBA,II year	546868198184	ayeshahussain4811@gmail.com	9701929873
5	Manvar Krupali	22	MBA ,I year	563321816923	krupalimanvar0002@gmail.com	9381750903
6	P. Sri Reshekha	22	MBA ,I year	889473589767	shinyreshekha@gmail.com	8790961922
7	N.Sarika	22	MBA ,I year	919073795526	sarikanaramshetti@gmail.com	9032211993
8	Mamatha karbari	22	MBA ,I year	645468619041	mamtakarbari0720@gmail.com	9398020478
9	G.Navya	22	MBA ,I year	846048460070	navyagaddam67@gmail.com	9014533196
10	Nayeemaunnisa	21	MBA ,I year	225005468065	nynnisa@gmail.com	6301106907
11	Nethavath Bharathi	22	MBA ,I year	921295294202	nethavathbharathi12@gmail.com	8790563017
12	sadia fatima	22	MBA ,I year	321451306159	sadiastanley049@gmail.com	9701870538
13	M.Amala Kumari	32	Faculty	543263236111	mamlakumari@stanley.edu.in	9704643773
14	Dr. G.Nalini	36	Faculty	272772809503	gnalini@stanley.edu.in	9160123408

Coordinator

NSS Program Officer

Stanley College of Engineering and Technology for Women
(AUTONOMOUS)
(Affiliated to Osmania University)
(Accredited by NAAC with"A" Grade, Accredited by NBA)
Chapel Road, Abids, Hyderabad – 500 001

NSS Unit – CIRCULAR

NO.39/STLW/NSS/2022 **Dt: 18 – 04 - 2022**

NSS Unit is conducting an Elocution competition on the topic **"Consequences of Drug Consumption and the role of youth for a drug free society"**, and also an awareness program on Ban of Drugs.

Interested students can register their names with NSS department coordinators and take active participation

1. Dr Shravani, Assoc. Prof. ADCE
2. Mrs D Archana, Ms Tejaswini, Asst. Prof. CSE
3. Mrs C V Keertilatha, Asst. Prof. ECE
4. Mrs, Namratha Sampath, Asst. Prof. EEE
5. Mrs Amala Kumari, Asst. Prof. MBA
6. Dr Mythreye, Mrs Sirisha, Asst Prof. H & S

Date of Event: 23rd Apr, 2022 **Venue: C Block – Seminar Hall**

NSS Program Officer **Principal**
Dr A Kanaka Durga **Dr Satya Prasad Lanka**

CC: Dean Academics/Director Information Systems/Vice Principal/All HoDs - circulate to all the students, Staff/Controller of Examinations/Library/A.O./A.R./Accounts.

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Dt: 23 – 04 - 2022

MBA

NSS Unit – Free Eye Camp

Registration Form

Department of Business Management

	Name of the Faculty / Student	Year/ Semester	E – Mail	Mobile No	Sign
1.	Maduguvaishnavi	I year II Sem	maduguvaishnavi09@gmail.com	9381390944	M.Vaishnavi
2.	T. Akshata Singh	I Year II Sem	takuraakshatha@gmail.com	6304234172	
3.	Jeedi Divya	MBA 2nd year/IV Sem	jeedidivya222@gmail.com	6304744656	Divya. J
4.	Ch. keerthana	MBA IV yr / II Sem	chkeerthana20@gmail.com	9059006574	ch. Keerthana
5.	P. Sri Reshekha	I Sty / II Sem	shinyreshekha@gmail.com	8790967722	P.Sri Reshekha
~~6.~~	~~B. Malvika~~	~~I Yr / II Sem~~	~~malvika02@gmail.com~~	~~9533145~~	~~Malvika~~
6.	T. Vaishnavi	I st / II Sem	Terala Vaishnavi@gmail.com	9640319956	Vaishnavi
7.	S. Krishnaveni	II nd year II Sem	skrishnaveni2k@gmail.com	9553968455	
8.	P. Vijayalakshmi	II nd year	vijaya19bhanu@gmail.com	9652808491	P.Vijaya
9.	N. Sapna	1st year	sapnanarasagoudd4@gmail.com	9032321993	N. Sapna
10.	Hajera Anjum	faculty	hajera06.vnr@stanley.edu.in	9160887417	Hajera
11.	Dr. G. Nalini	faculty	gnalini@stanley.edu.in	9160123408	Nalini
12.	Anjum fathima	faculty	anjumfathima@stanley.edu.in	8919180479	

Coordinator

23/4/22

NSS Program Officer

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NSS Unit – CIRCULAR

NO.42/STLW/NSS/2023 Dt: 01 – 02 - 2023

A Health talk on "**Knee Pain & Remedy**" by Dr Kushal Hippalgaonkar, Surgeon, KIMS_SUN SHINE Hospital will be conducted by NSS Unit on 04th **Feb, 2023** at **11:00 AM**.

All (Students, Staff [both Teaching & Non – Teaching]) are invited to attend the above said program.

Date of Event: **04th Feb, 2023**. Venue: **C Block – Seminar Hall**
Time: **11:00 AM**

Dr A Kanaka Durga
NSS Program Officer

Dr Satya Prasad Lanka
Principal

CC: Dean Academics/Director Information Systems/Vice Principal/All HoDs – circulate to all the students, Staff/Dept. NSS Coordinators/Library/ A.R. / Controller of Examinations/A.O./Accounts/R &D.

STANLEY COLLEGE OF ENGINEERING AND TECHNOLOGY FOR WOMEN (AUTONOMOUS)

(Affiliated to Osmania University & Approved by AICTE)

(All eligible UG Courses are accredited by NBA & Accredited by NAAC with 'A' Grade)

DEPARTMENT OF BUSINESS MANAGEMENT

NSS Attendance Sheet

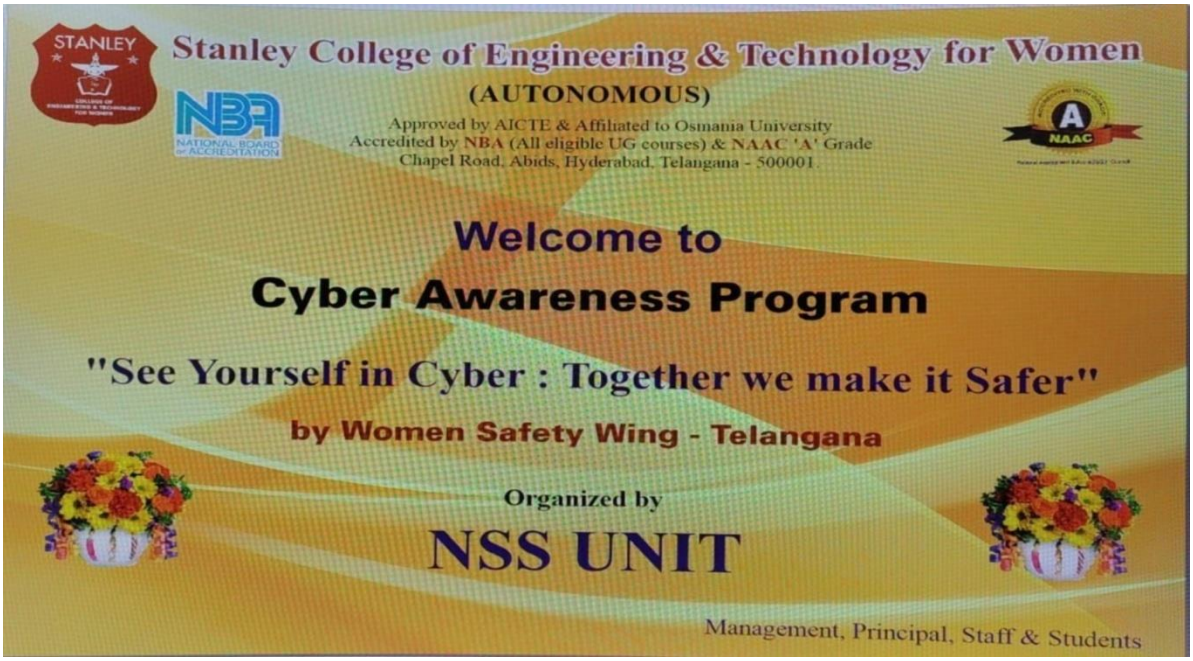
"A Health talk on Arthritis and Sports Injury around Knee"

Date: 04/02/2023

S.No	Roll Number	Name of the Student	Mobile Number	Signature
1	160622672013	Fairy Gazula	9515765192	Fairy
2	160622672012	G. Sampoorna	7981103431	G. Sampoorna.
3	160622672030	Apoorva Manne	9492200930	Apoorvamane.
4	160622672057	Akansha Reddy	7386716883	Akansha
5	160622672059	K. Sushma	9492448254	Sushma
6	160622672043	P. Anupriya	9390783532	PAnupriya
7	160622672014	G. SukhjeevanRao	8142150621	
8	160622672041	Sai Poojitha	7386912225	
9	160622672036	N. Akshaya	8886844626	Akshaya.
10	160622672009	B. Ushaswini	8688356115	B Ushaswini.
11	160622672034	N. Ramya sri	9133550706	Ramya.

Coordinator **NSS Program Officer**

Dr. A. KANAKA DURGA
M.Tech CSE, Ph.D CSE



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NSS Unit – CIRCULAR

NO.40/STLW/NSS/2022 **Dt: 18 – 10 - 2022**

Cyber Awareness Program "**See Yourself in Cyber: Together we make it Safer**" on **22nd Oct, 2022** was organized by NSS Unit in association with Women Safety Wing, Telangana State on **22nd Oct, 2022 at E Block – Seminar Hall.**

Agenda:

In this program Students have been taught about

- What is Cyber Crime
- Who Will be Targeted by Cyber Crime Offenders
- What to be done if someone is targeted by Cyber Crime
- What to be done if someone is targeted in Cyberbullying
- What to be done if someone is harassed sexually
- Who is a Cyber Warrior
- What kind of a Role "SHE TEAM" is having in soceity.

Resource Persons: Mr G Mallesh, S.I. - CCS
Participants: 100 members (12 – Faculty & 88 – Students)

Dr A Kanaka Durga
NSS Program Officer

STANLEY COLLEGE OF ENGINEERING AND TECHNOLOGY FOR WOMEN (AUTONOMOUS)

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DEPARTMENT OF BUSINESS MANAGEMENT

NSS Attendance Sheet

"Cyber Awareness Program"

Date: 22/10/2022

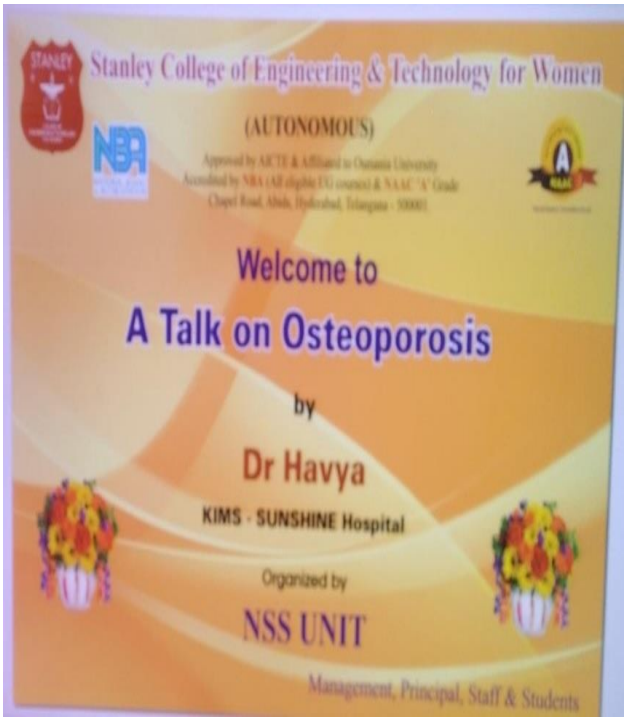
S.No	Roll Number	Name of the Student	Mobile Number	Signature
1	160622672037	P. Bhavani	6304533818	Bha
2	160622672001	A. Deekshitha	7995258964	Deekshi K
3	160622672040	P. Neha	8498825625	P. Neha
4	160622672010	D. Manitha	7981964201	Manitha
5	160622672022	K. POOJA	7901818410266	K. Pooja
6	160622672011	Gudhreya	6303366478	G. Ghr
7	160622672024	Kushi Toshaniwal	8790595481	Kushi
8	160622672017	Hanuha Thakur	8639021709	Hanuha. T
9	160622672054	Uemu Jahnavi	9390221632	U. Jahnavi
10	160622672053	V. Ravali	7995190210	V. Ravali
11	160622672015	Gona. Mary	7842243920	Mary
12	160622672002	Afia tabassum	8885332991	Afia

S.No	Roll Number	Name of the Student	Mobile Number	Signature
13	160622672029	Maliha Afreen	7075905400	Maliha
14	160622672055	waheeda Khatoon	7995107478	waheeda
15	160622672059	K. Sushma	9492448254	Sushma
16	160622672043	P. Anupriya	9390788532	P. Anupriya
17	160622672013	Fairy Gazala	9515765192	Fairy
18	160622672012	G. Sampoorna	7981103431	G. Sam
19	160622672057	K. Akanksha Reddy	7386716888	Akanksha
20	160622672030	M. Apoorva	9492200930	Apoorva
21	160622672014	G. Sukhjeevan Rani	8142150621	

Coordinator

NSS Program Officer

Dr. A. KANAKA DURGA
M.Tech CSE, Ph.D CSE



STANLEY COLLEGE OF ENGINEERING AND TECHNOLOGY FOR WOMEN (AUTONOMOUS)

(Affiliated to Osmania University & Approved by AICTE)

(All eligible UG Courses are accredited by NBA & Accredited by NAAC with 'A' Grade)

DEPARTMENT OF BUSINESS MANAGEMENT

NSS Attendance Sheet

"Talk on Osteoporosis"

Date: 19/10/2022

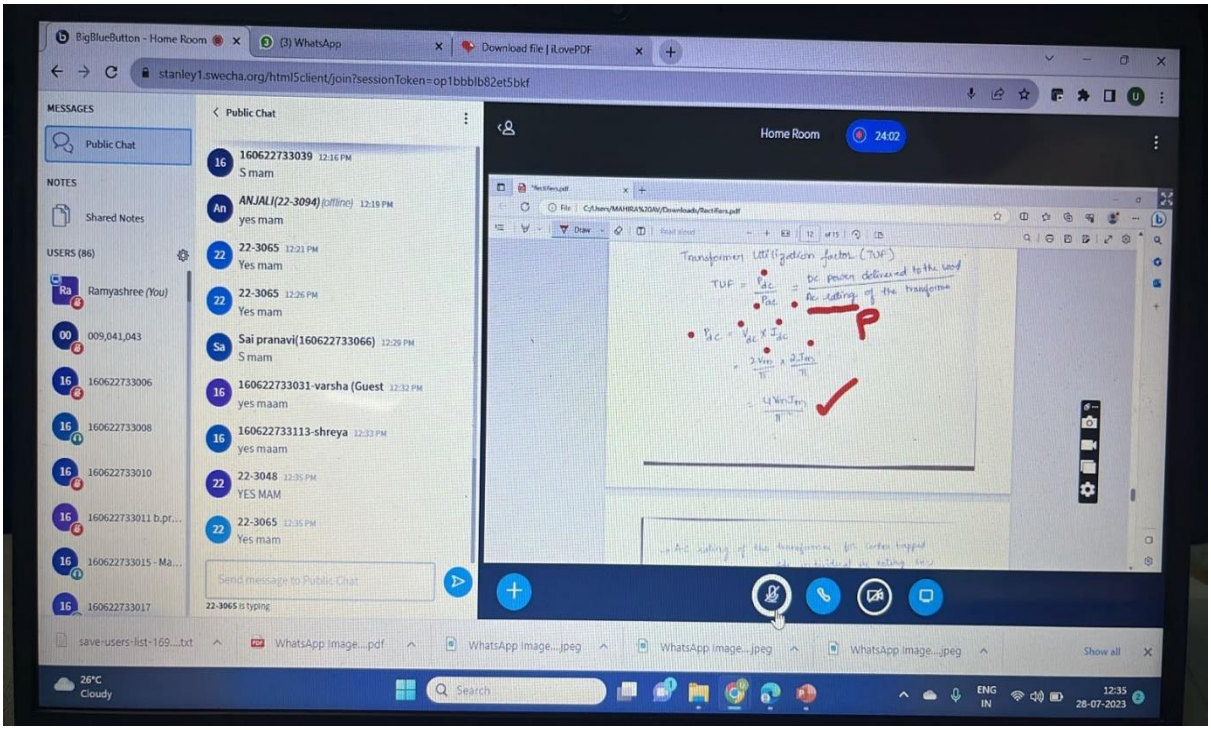
S.No	Roll Number	Name of the Student	Mobile Number	Signature
1	160622672058	Aqsa Ahmedi	6302759327	Aqsa
2	160622672045	Kirthana Rana	7995324531	KR
3	160622672052	Tanzeel	7095752321	Tanzeel
4	160622672021	K. Priyathi	8978707980	Priyathi
5	160622672050	S. Rajeshwari	9391766964	Rajeshwari
6	160622672032	Muna Sayeed	8555090123	Muna
7	160622672008	Bachawanda Harshitha	7995712805	Harshitha
8	160622672064	Rida Unnisa	8309949289	
9	160622672026	M. Jaya Shree	7337225101	M. Jayashree
10	160622672059	K. Snehma	9491448254	Snehma

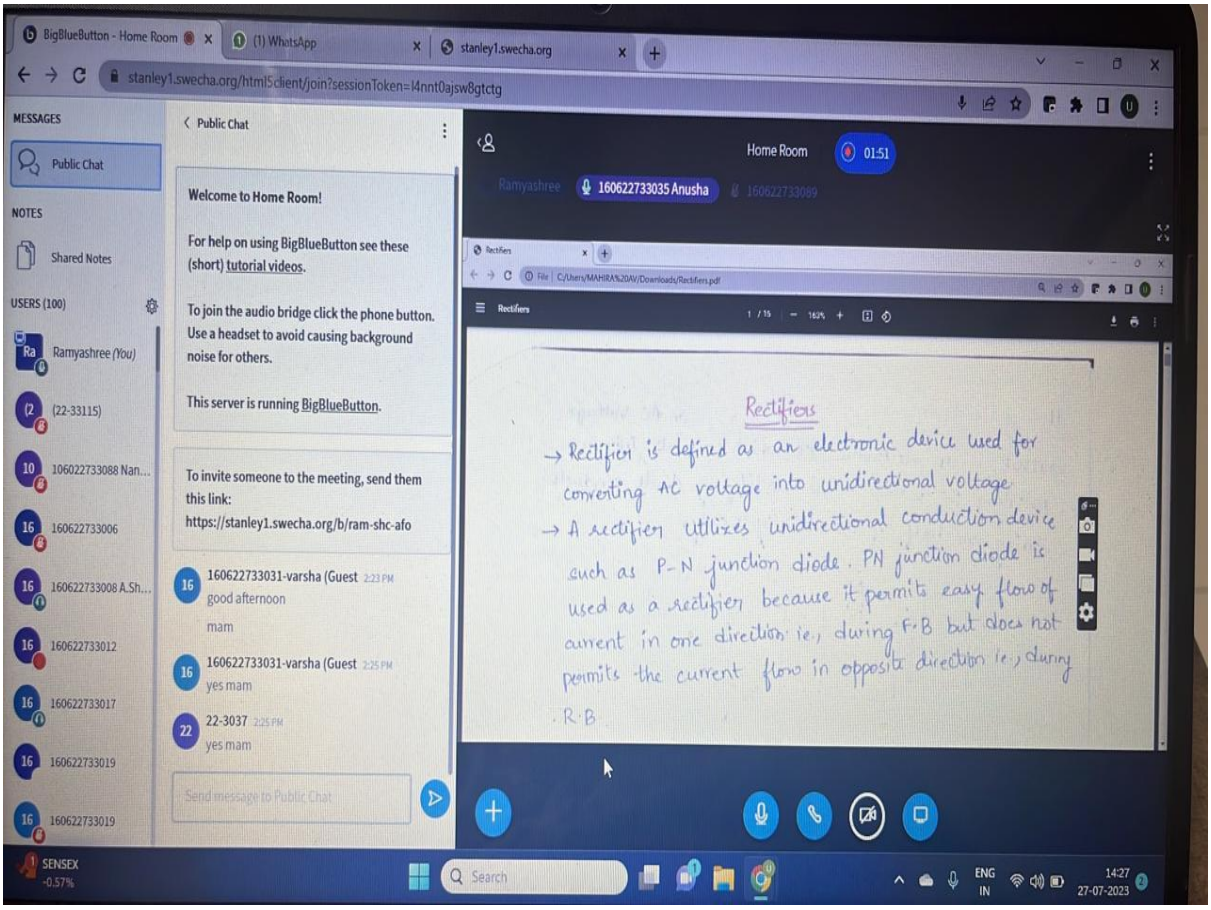
Coordinator

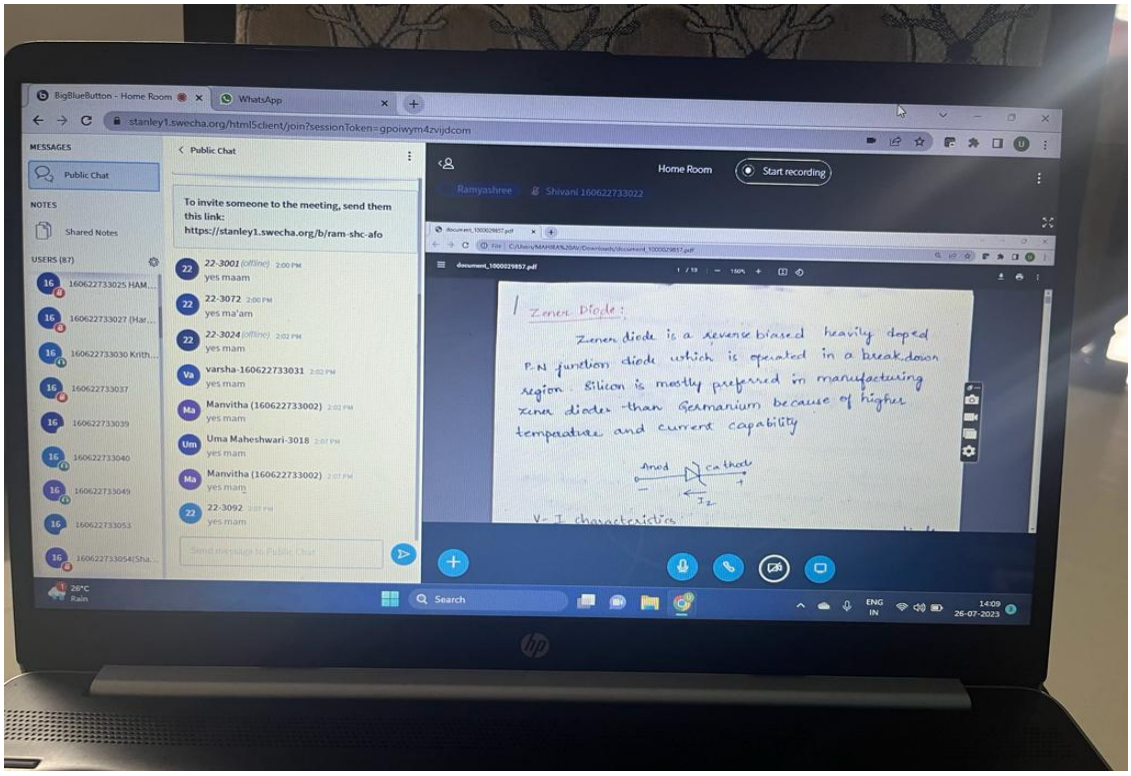
NSS Program Officer

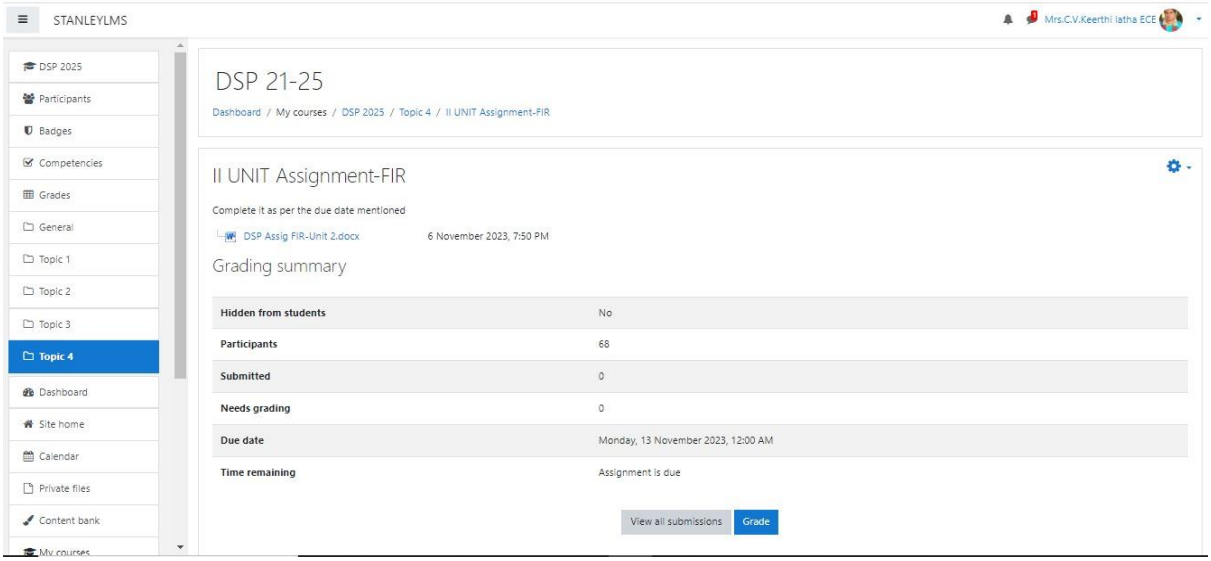
Dr. A. KANAKA DURGA
M.Tech CSE, Ph.D CSE

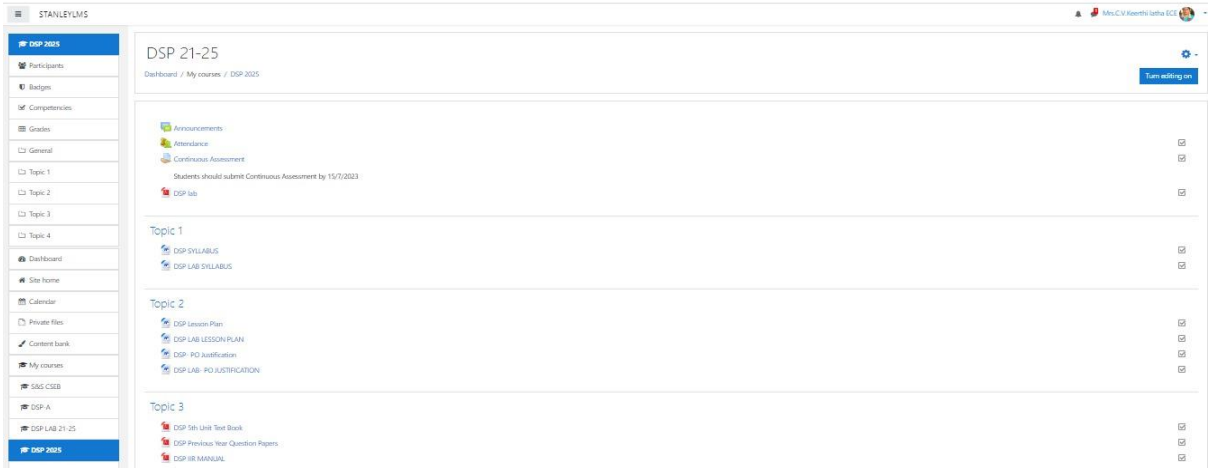
BBB Screenshot






BigBlueButton - Home Room
WhatsApp
stanley1.swecha.org/html5client/join?sessionToken=gpoiwym4zvjdcom
MESSAGES
Public Chat
NOTES
Shared Notes
USERS (87)
Public Chat
To invite someone to the meeting, send them this link: https://stanley1.swecha.org/b/ram-shc-afo
22-3001 (offline) 2:00 PM yes maam
22-3072 2:00 PM yes ma'am
22-3024 (offline) 2:02 PM yes mam
varsha-160622733031 2:02 PM yes mam
Manvitha (160622733002) 2:02 PM yes mam
Uma Maheshwari-3018 2:07 PM yes mam
Manvitha (160622733002) 2:07 PM yes mam
22-3092 2:07 PM yes mam
Home Room
Start recording
Ramyashree
Shivani 160622733022
Zener Diode:
Zener diode is a reverse biased heavily doped P-N junction diode which is operated in a break down region. Silicon is mostly preferred in manufacturing zener diodes than Germanium because of higher temperature and current capability
Anod
Cathode
V-I characteristics
Search
ENG IN
14:09
26-07-2023

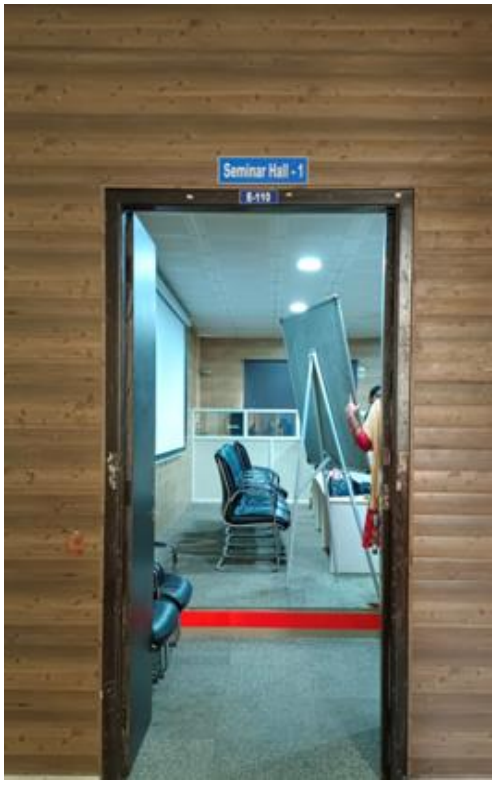

STANLEYLMS
Mrs.C.V.Keerthi latha ECE
DSP 2025
Participants
Badges
Competencies
Grades
General
Topic 1
Topic 2
Topic 3
Topic 4
Dashboard
Site home
Calendar
Private files
Content bank
My courses
DSP 21-25
Dashboard / My courses / DSP 2025 / Topic 4 / II UNIT Assignment-FIR
II UNIT Assignment-FIR
Complete it as per the due date mentioned
DSP Assig FIR-Unit 2.docx
6 November 2023, 7:50 PM
Grading summary
Hidden from students
No
Participants
68
Submitted
0
Needs grading
0
Due date
Monday, 13 November 2023, 12:00 AM
Time remaining
Assignment is due
View all submissions
Grade

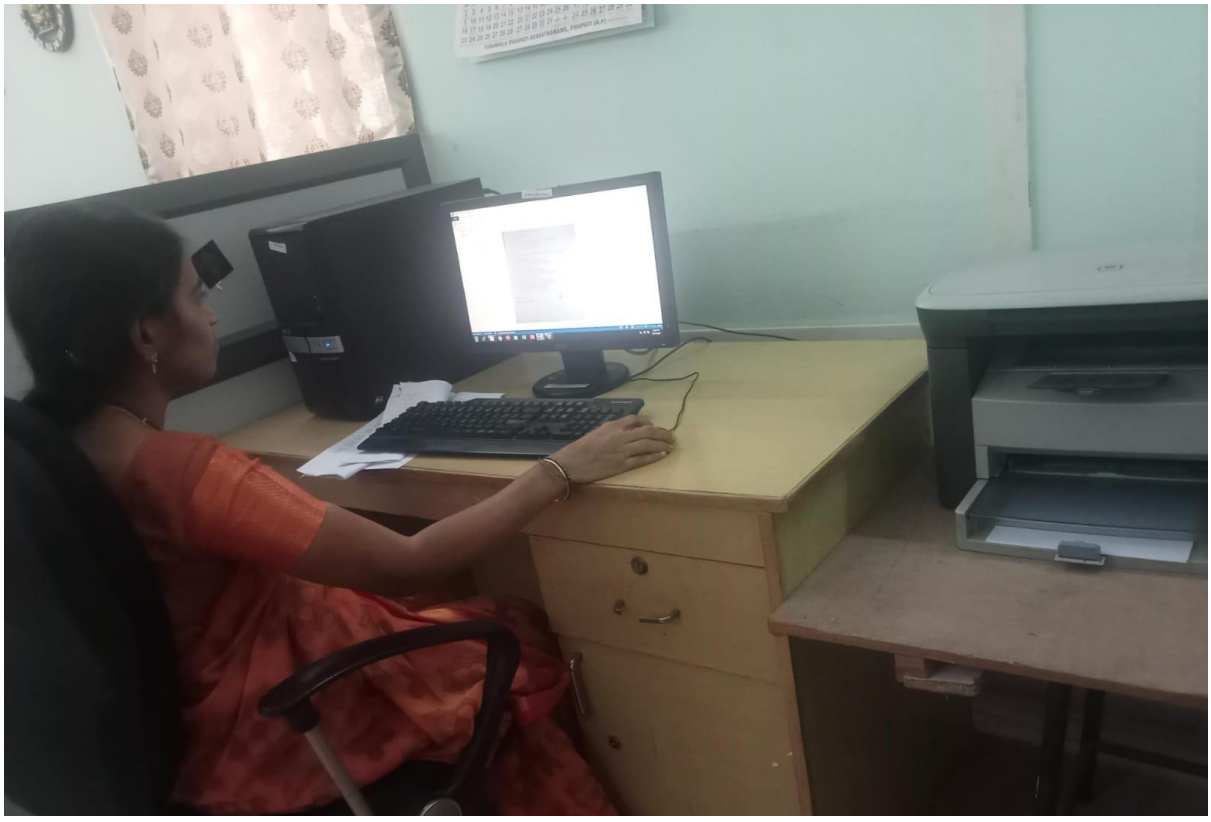

STANLEYLMS
DSP 21-25
Turn editing on
Announcements
Attendance
Continuous Assessment
Students should submit Continuous Assessment by 15/7/2023
DSP lab
Topic 1
DSP SYLLABUS
DSP LAB SYLLABUS
Topic 2
DSP Lesson Plan
DSP LAB LESSON PLAN
DSP- PO Justification
DSP LAB- PO JUSTIFICATION
Topic 3
DSP 5th Unit Text Book
DSP Previous Year Question Papers
DSP IIR MANUAL

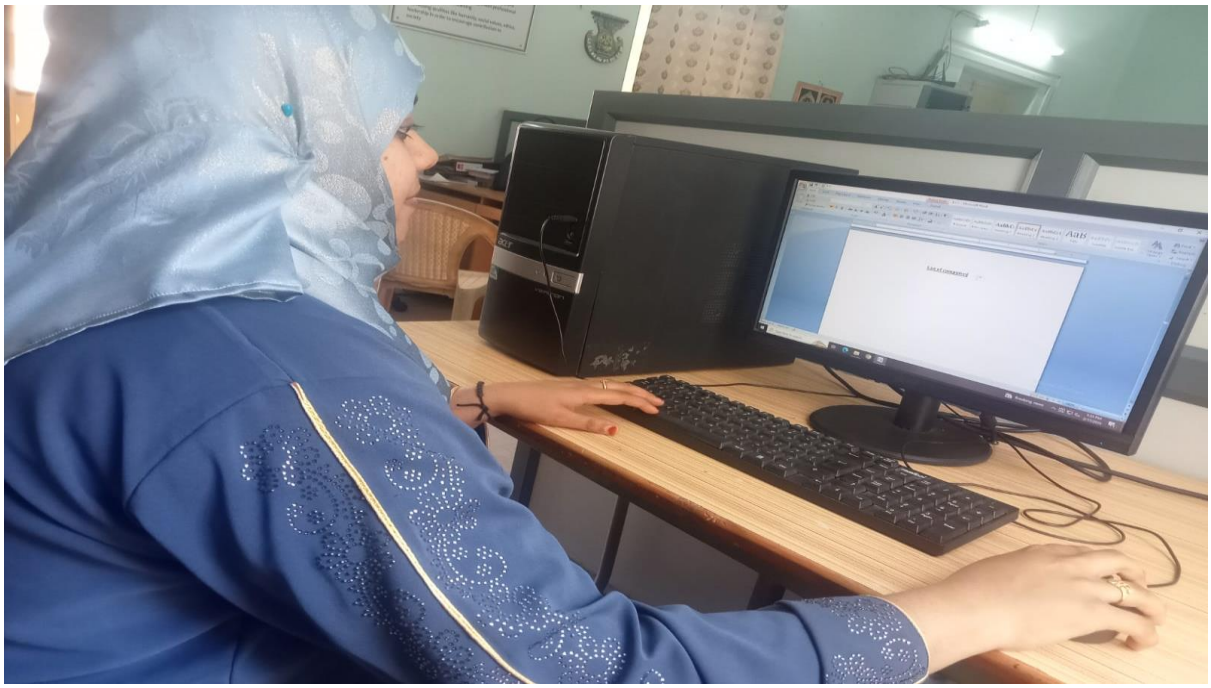
C-Block Seminar Hall

D Block

E Block







FENCING ASSOCIATION OF INDIA

Affiliated to: Federation Internationale d'Escrime, Fencing Confederation of Asia
Commonwealth Fencing Federation, Indian Olympic Association
Recognised by: Ministry of Youth Affairs & Sports, Govt. of India

30th Junior (U-20) National Fencing Championship 2022

29th June to 2nd July 2022, Cuttack - Odisha

Organised by : Odisha Fencing Association

Under the Aegis of Fencing Association of India

Merit Certificate

FAIFFTL2575

Certified that Mr./Ms. BADISA SAMEKSHA S/oD/oW/o. BADISA SEETA RAMULU

Date of Birth: 17-09-2003 State / UT / Unit Telangana Participated in the 30th Junior (U-20) National Fencing Championship 2022 (Boys & Girls) held at Jawaharlal Nehru Indoor Stadium, Cuttack, Odisha from 29th June to 2nd July 2022 as a Player / ~~Coach~~ / ~~Manager~~ / ~~Technical Official~~, in the ~~Foil~~ / Epee / ~~Sabre~~ event in ~~Individual~~ / Team Has won Silver medal.

38JNFC/2022/100010426

Pankaj Singh
President
Fencing Association of India

Rajeev Mehta
Secretary General
Fencing Association of India

Bashir Ahmed Khan
Treasurer
Fencing Association of India

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Bloom's Taxonomy

To judge the quality of something based on its adequecy, value, logic or use.

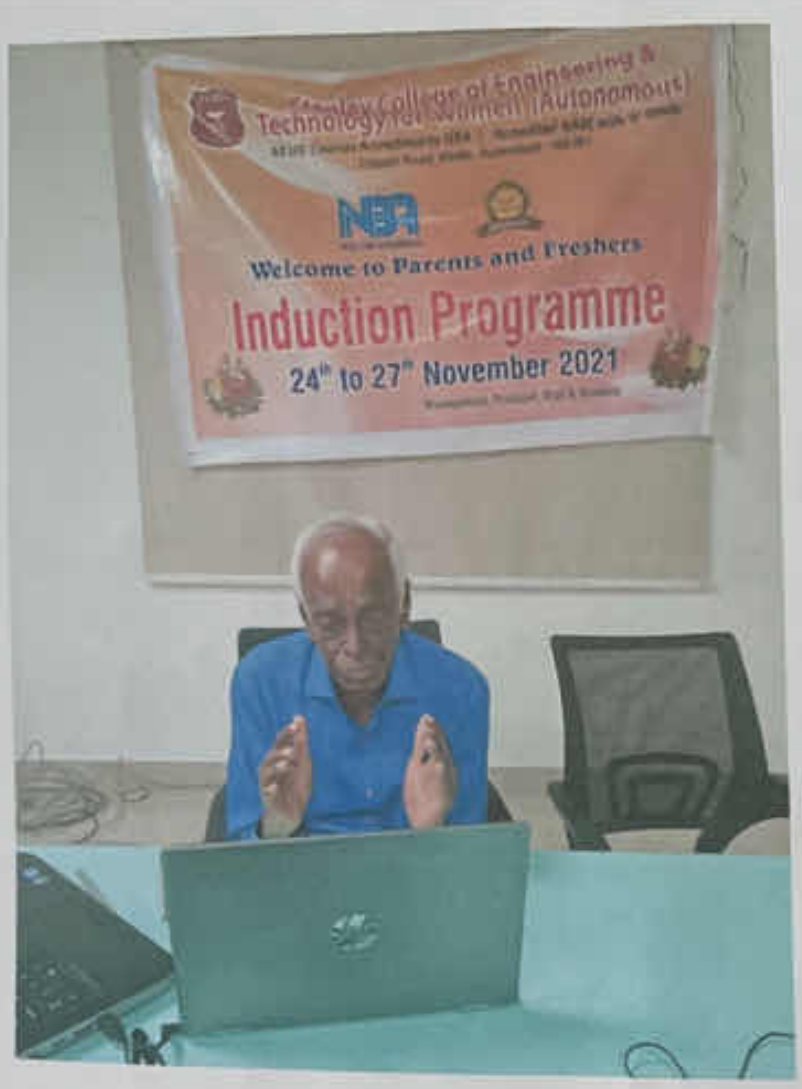
To create something, to integrate ideas into a solution, to propose an action plan, to formulate a new classification scheme.

To identify the organization structure; to pull meaning from parts, relations and organizing principles.

To apply knowledge to new situations, to solve problems.

To understand, interpret, compare, contrast or explain.

To know specific facts, terms, concepts, principles or theories.



Dr. Ravidran Ethiraj – Importance of Science for Engineers (24-11-2021)

Mrs. Juvairiah Fatima – Psychology (25-11-2021)

Prof. Regalla Ravikanth – World without Engineers (27-11-2021)

Lifeskills Training by Ms. Jyati Gupta

Date: 3/09/2022

Stanley College of Engineering and Technology for Women

(Approved by AICTE, Accredited by NBA, NAAC 'A', UGC Autonomous)

Abids, Hyderabad, Telangana – 500001

Department of Humanities and Sciences

Induction Program – 2022 Report

(01-11-2022 to 04-11-2022)

Lecture Session:

Role of Young Engineers in National Building

COURSE INFORMATION SHEET EEE

COURSE NAME:EITK	**COURSE CODE: SMC902PY**	**REGULATION: 2021-22**
PROGRAM / YEAR / SEMESTER: Year-I / Semester-II	CREDITS: 60+40 (CREDITS 0)	
COURSE TYPE: HUMANITIES&SCIENCES		
COURSEAREA/DOMAIN: Engineering English	**CONTACT HOURS:** 2 hours/Week	
CORRESPONDING LAB COURSE NAME, CODE (IF ANY):		
PRE-REQUISITE COURSES/SEM/CODE (IF ANY) :		

SYLLABUS:

UNIT	DETAILS	HOURS (LECTURE)	HOURS (TUTORIAL)
I	**Introduction to Culture:** Culture, civilization, culture and heritage, general characteristics of culture, importance of culture in human literature, Indian Culture, Ancient India, Medieval India, Modern India	8	2
II	**Indian Languages, Culture and Literature:** Indian Languages and Literature-I: the role of Sanskrit, significance of scriptures to current society, Indian philosophies, other Sanskrit literature, literature of south India **Indian Languages and Literature-II**: Northern Indian languages & literature	8	2
III	**Religion and Philosophy:** Religion and Philosophy in ancient India, Religion and Philosophy in Medieval India, Religious Reform Movements in Modern India (selected movements only)	8	2
IV	**Fine Arts in India (Art, Technology& Engineering):** Indian Painting, Indian handicrafts, Music, divisions of Indian classic music, modern Indian music, Dance and Drama, Indian Architecture (ancient, medieval and modern), Science and Technology in India, development of science in ancient, medieval and modern India	9	2
V	**Education System in India:** Education in ancient, medieval and modern India, aims of education, subjects, languages, Science and Scientists of Ancient India, Science and Scientists of Medieval India, Scientists of Modern India	9	2
	TOTAL	32	10

TEXT/REFERENCE/ADDITIONALBOOKS:Suggested Reading:

Kapil Kapoor, "Text and Interpretation: The India Tradition",ISBN: 81246033375,2005

"Science in Samskrit", Samskrita Bharti Publisher, ISBN 13: 978-8187276333,2007

NCERT, "Position paper on Arts, Music, Dance and Theatre", ISBN 81-7450 494-X,200

S. Narain, "Examinations in ancient India", Arya Book Depot,1993

Satya Prakash, "Founders of Sciences in Ancient India", Vijay Kumar Publisher,1989

M.Hiriyanna,"EssentialsofIndianPhilosophy",MotilalBanarsidassPublishers,ISBN13: 978-8

978-8120810990,2014

T/R	BOOK TITLE/AUTHORS/PUBLISHER

COURSE OUTCOMES:

SNO	DESCRIPTION	PO(1..12) MAPPING	PSO(1..3) MAPPING
SMC902PY.1	*Acquire Knowledge of Indian Philosophy*	PO6, PO7,PO12	
SMC902PY.2	Comprehend The Importance of Language in the development of Society	PO7, PO10,PO12	
SMC902PY.3	Able to distinguish the Philosophical Contributions of Various Religions	PO7,PO8,PO10,PO12	
SMC902PY.4	Understand / comprehend the Scientific Progress in Ancient/Medieval/Modern India.	PO7,PO8,PO10,PO12	
SMC902PY.5	Apply the acquired Knowledge in new situations or in his own life	PO6,PO8,PO10,PO12	

(Course outcomes Minimum 4 Maximum 6)

COURSE OUTCOMES VS POs MAPPING (DETAILED, HIGH:3; MEDIUM:2; LOW:1): **CSE**

SNO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
SMC902PY.1						3	3					3		
SMC902PY.2							3	3		3		3		
SMC902PY.3							3	3		3		3		
SMC902PY.4							3	3		3		3		
SMC902PY. 5							2	3		3		3		

** For Entire Course, PO & PSO Mapping*Note: Enter correlationlevels1,2 or3as defined below:
1:Slight(Low) 2:Moderate(Medium) 3: Substantial(High) Iftheretisnocorrelation,put"-"

POs & PSO REFERENCE:

PO1	**Engineering Knowledge**	**PO6**	**Engineer & Society**	**PO11**	**Project Mgt. & Finance**
PO2	Problem Analysis	PO7	Environment & Sustainability	PO12	Life Long Learning
PO3	Design & Development	PO8	Ethics	PSO1	**Problem-Solving Skills**
PO4	Investigations	PO9	Individual &Team Work	PSO2	**Successful Career and Entrepreneurship**
PO5	Modern Tools	PO10	Communication Skills	PSO3	Design,implement,test,and evaluate a computer system,component,or algorithm to meet desired needs and to solve a computational problem

GAPS IN THE SYLLABUS - TO MEET COs, POs & PSOs:

SNO	GAP	PROPOSED ACTIONS	PROPOSED RESOURCE	CO	PO / PSO
1	The Indian Political Atmosphere in the Context of Liberalization,Privatization& Globalization , Changing Socio ,Cultural Scenario	Class Room Debate & Discussion	Video	**SMC902PY 4**	7,8,10,12
2	Need to understand the ftictions &Ruptures at different Periods of Indian History	Guest Lecture	Department of Philosophy	**SMC902PY.3**	7,8,10, 12

TOPICS BEYOND SYLLABUS: Additional course material / learning material / Lab Experiments / Projects

S.No	Description	CO	PO / PSO
1	*Autobiographical readings of Philosophers, Bible,Bhagavat Gita, Yoga Demonstrations*	**SMC902PY.1**	6, 7, 12
2	*Internet*	**SMC902PY 1,2,3,4,5,**	6,7,8,10,12
3	Workshop on Dance & Music	**SMC902PY.3**	7, 8, 10, 12
4	Guest lecture on importance Oriental languages in Communication	**SMC902PY.2**	7, 10, 12

Web Link of the Course Material: https://uwaterloo.ca/centre-for-teaching-excellence/teaching-resources/teaching-tips/communicating-students/telling/effective-communication-barriers-and-strategies

Innovation / Pedagogical Initiatives to cater Weak & Advanced Learners:

1. **Regular Slip test in the class rooms.**
2. **Practice the previous question papers.**
3. **Counseling the week students regularly.**

INSTRUCTIONAL METHODOLOGIES:

x	REAL WORLD EXAMPLES	x	COLLABORATIVE LEARNING		QUALITY LAB EXPERIMENTS		OBSERVATIONS RECORDED
	INDUSTRY INTERNSHIP		SUMMER TRAINING	x	EXPERT GUEST LECTURES		PROJECTS
x	USE OF ICT		ANY OTHER (SPECIFY)				

ASSESSMENT METHODOLOGIES-DIRECT

x	EXAM QUESTIONS	x	TUTORIAL QUESTIONS	x	ASSIGNMENTS		LABORATORY TESTS
	PROJECT EVALUATION	x	STUDENT ARTIFACTS	x	ORAL EXAMS	x	PROJECT PRESENTATIONS
x	INTERNALLY DEVELOPED EXAMS		ANY OTHER (SPECIFY)				

ASSESSMENT METHODOLOGIES-INDIRECT

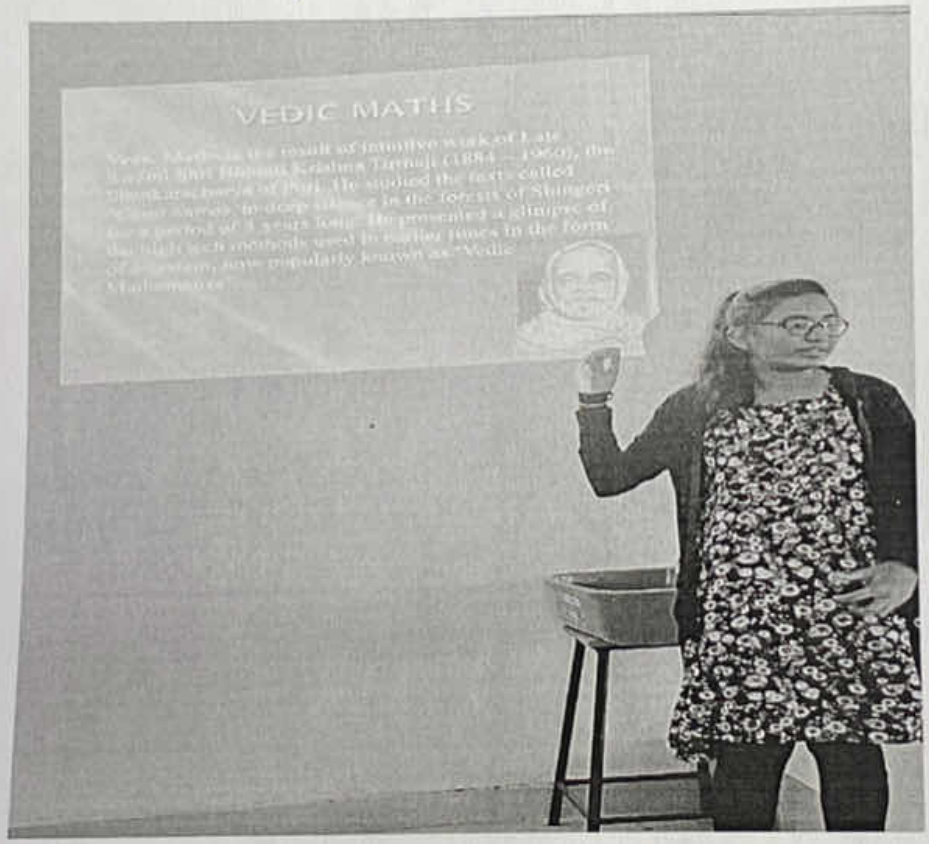
x	STUDENT EXIT SURVEY	x	CO-CURRICULAR ACTIVITIES	x	EXTRA CURRICULAR ACTIVITIES

Prepared by
Dr. V. Anuradha

Approved by
(HOD H&S)

Distribution of Certificates

Paper Presentation.



Poster Presentation

Quiz

National Mathematics Day

Competitions will be held on 17-12-2022

- Poster presentation

Topic: Math & its impact on the wider world.

Timings: 11:30 a.m to 1:00 p.m

- Power point presentation

Topic: Vedic Mathematics in modern era.

Timings: 9:30 a.m to 11:00 a.m

- Quiz

Timings : 2:00 p.m to 3:00 p.m

Department of Mathematics
Stanley College Of Engineering and Technology for Women

Certificate Distribution

Poster Presentation On National Pollution Control Day

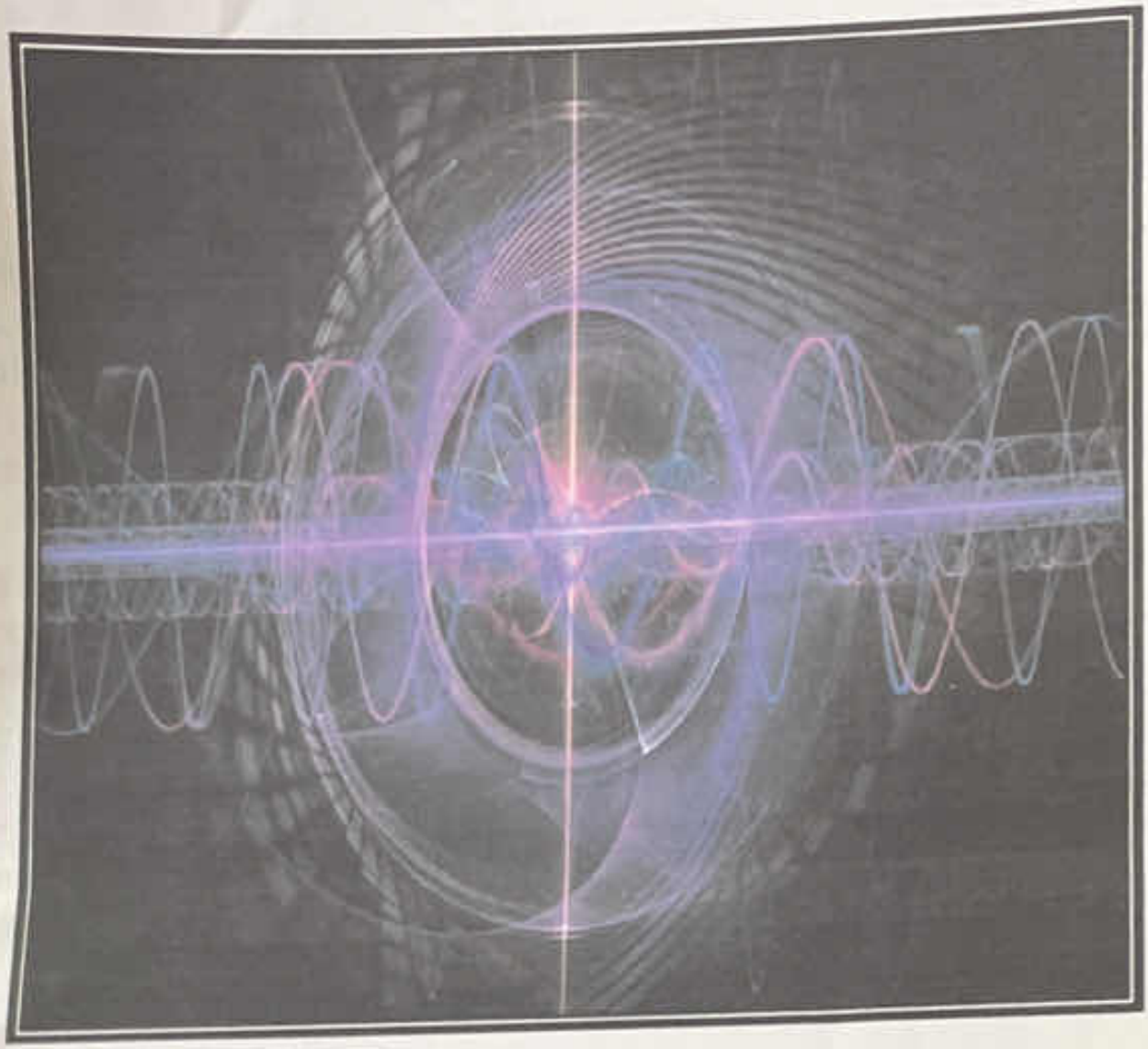
Stanley College of Engineering &Technology for Women

Abids, Hyderabad

National Pollution Control Day

Poster Presentation

S.NO	ROLL NO.	NAME OF THE PARTICIPATE	BATCH NO
1.	160622735004	ALUGONDA SIRI	BATCH-1 SAVE NATURE
2.	160622735007	ARKALA SANJANA REDDY	
3.	160622735010	BUDDE SUSHMA	
4.	160622735011	C. LAXMI PRIYA	
5.	160622735012	CHEDURUPALLI LAXMI PRASANNA	
6.	160622735020	DHANNI YESHWANTHINI	
7.	160622735045	MANUKA JOSHNAVI	
8.	160622735047	MARVATHU SAI RISHITHA	
9.	160622735063	SEREPALLI SHRUTHIKA	
10.	160622735069	VEERAMALLA SRINIDHI	
11.	160622735001	AAMENA RAFEEQ	BATCH-2 SAVE EARTH
12.	160622735024	ELATY HASINI REDDY	
13.	160622735026	FIZA FATIMA	
14.	160622735028	GAYATRI	
15.	160622735034	HAFSA JABEEN	
16.	160622735049	MUBASHEERA FATIMA	
17.	160622735053	PARSA TANMAYEE	
18.	160622735056	PUTTAPALLY SAI MADHUMITHA	
19.	160622735060	RUMAYSA ABDUL BASEER	
20.	160622735064	SHABMEEN AFROZ	
21.	160622735002	AENNA VAISHNAVI	BATCH-3 WATER CYCLE
22.	160622735017	D. SHREYA REDDY	
23.	160622735019	DARAVATH ANUSHA	
24.	160622735042	KRITHIKA SOWMYA	
25.	160622735044	MAMIDIPELLY LIKHITHA	
26.	160622735051	NAREDDY AKSHITHA	
27.	160622735054	PERUKA HASINI	
28.	160622735057	RACHANA KODIGANTI	
29.	160622735066	SURAKANTI SRINIJA	
30.	160622735067	TALLAPAKA BHARGAVI	
31.	160622735005	ANUMULA AKSHITHA	BATCH-4 GLOBAL WARMING
32.	160622735006	AVULA GEETHA	
33.	160622735013	CHETTE DEEPTHI	
34.	160622735014	CHINTHA BHAVANA	
35.	160622735016	CHITHALOORI YASHA SRI	
36.	160622735021	DOKKU HARSHITHA	
37.	160622735031	GUNDE VAISHNAVI	
38.	160622735036	K JYOTHIKA	



APPLIED PHYSICS PROJECT

ELECTROMAGNETISM

- KANITI ANJALI(094)
- GAYATHRI YADAV(073)
- SUMAIYYA FATIMA(118)
- G.NANDINI(088)
- G.SANGEETHA(086)

TEAM MEMBERS

AY: 2022-23, Sem I, CSE-B

Solar Application Project

2/2/23
(J.P. Pramod)

SEMESTER - I

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/ Week	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SBS101MT	Mathematics-I	3	1	-	4	40	60	3	4
2	SBS904CH	Chemistry	3	-	-	3	40	60	3	3
3	SES 101CS	Programming for Problem Solving	3	-	-	3	40	60	3	3
4	SES901EC	Basic Electrical and Electronics Circuits	3	-	-	3	40	60	3	3
5	SMC903CE	Environmental Science	2	0	-	2	40	60	3	0
6	SAC902IT	Design Thinking	2	0	-	2	50	-	0	0
Practical / Laboratory Courses										
7	SBS913CH	Chemistry Lab			4	4	40	60	3	2
8	SES915ME	Engineering Graphics & Design	1	-	4	5	40	60	3	3
9	SES911EC	Basic Electrical and Electronics Circuits Lab	-	-	4	4	40	60	3	2
10	SES111CS	Programming for Problem Solving Lab	-	-	4	4	40	60	3	2
		Credits	**17**	**01**	**16**	**34**	**410**	**540**	-	**22**

SEMESTER - II

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/ Week	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SHS901EG	English	2	-	-	2	40	60	3	2
2	SBS902PH	Applied Physics	3	-	-	3	40	60	3	3
3	SBS201MT	Mathematics-II	3	1	-	4	40	60	3	4
4	SPC201IT	Data Structures with C	3	-	-	3	40	60	3	3
5	SMC902PY	Essence of Indian Traditional Knowledge	2	-	-	2	40	60	-	-
6	SMC901PO	Indian Constitution	2	-	-	2	40	60	-	-
Practical / Laboratory Courses										
7	SHS911EG	English lab	-	-	2	2	40	60	3	1
8	SBS912PH	Applied Physics Lab			4	4	40	60	3	2
9	SES914ME	Workshop	-	-	6	6	40	60	3	3
10	SPC211IT	Data Structures with C Programming lab			2	2	40	60	3	1
11	SPW211IT	Field Work	The students have to undergo a Field work of 2 week duration after II- Semester SEE or during semester breaks.				50	-	-	1
		Total	**15**	**01**	**14**	**30**	**450**	**600**	**24**	**20**

DESIGN THINKING

Course Code	Course Title						Core / Elective
SAC902IT	Design Thinking (Common to CSE, CME, IT and ADE)						Core
	Contact Hours per Week						Credits
Pre Requisite	L	T	D	P	CIE	SEE	
-	2	-	-	-	50	-	0

Course Objective :

The main objective of this course is to inculcate interdisciplinary engineering skills in students for taking real time engineering problem available in our society/industry and to come-up with the grass root innovation, can be helpful to all level of human beings.

Course Outcomes :

After completion of this course, student will be able to

1. Understand the importance of Design Thinking.
2. Evaluate the quality of your information and your emotions; keep thinking straight.
3. Identify skills and personality traits of successful problem solving.
4. Apply standard problem-solving heuristics to aid in problem solving.
5. Apply problem-solving techniques to programming activities.
6. Formulate and successfully communicate the solutions to problems.

Pre-requisite of course : Not Required.

Module 1 : Design Thinking Skills

Understand the critical design thinking skills needed to either improve an existing product or design a new product.

Module 2 : Identifying Customer Needs

Learn to identify customer needs and draft customer needs statements as your first step towards user innovations.

Module 3 : Product Specifications

Learn how to translate user needs into product specifications quantitatively, and how establishing product metrics can help to define those specifications.

Module 4 : Applied Creativity

Learn to apply creativity, brainstorming, and concept generation process in designing needs solutions.

Module 5 : Prototyping
Explore prototyping methods, strategies, and real-life examples where these have been applied to create a design that represents customer needs and product specifications.

Module 6 : Design for Services
Understand design of services, identify the potential for innovations within them, and learn how to apply product development frameworks to the service context

Module 7 : Product Architecture
Learn to use the modular and integral product architectures in determining the building blocks of a product

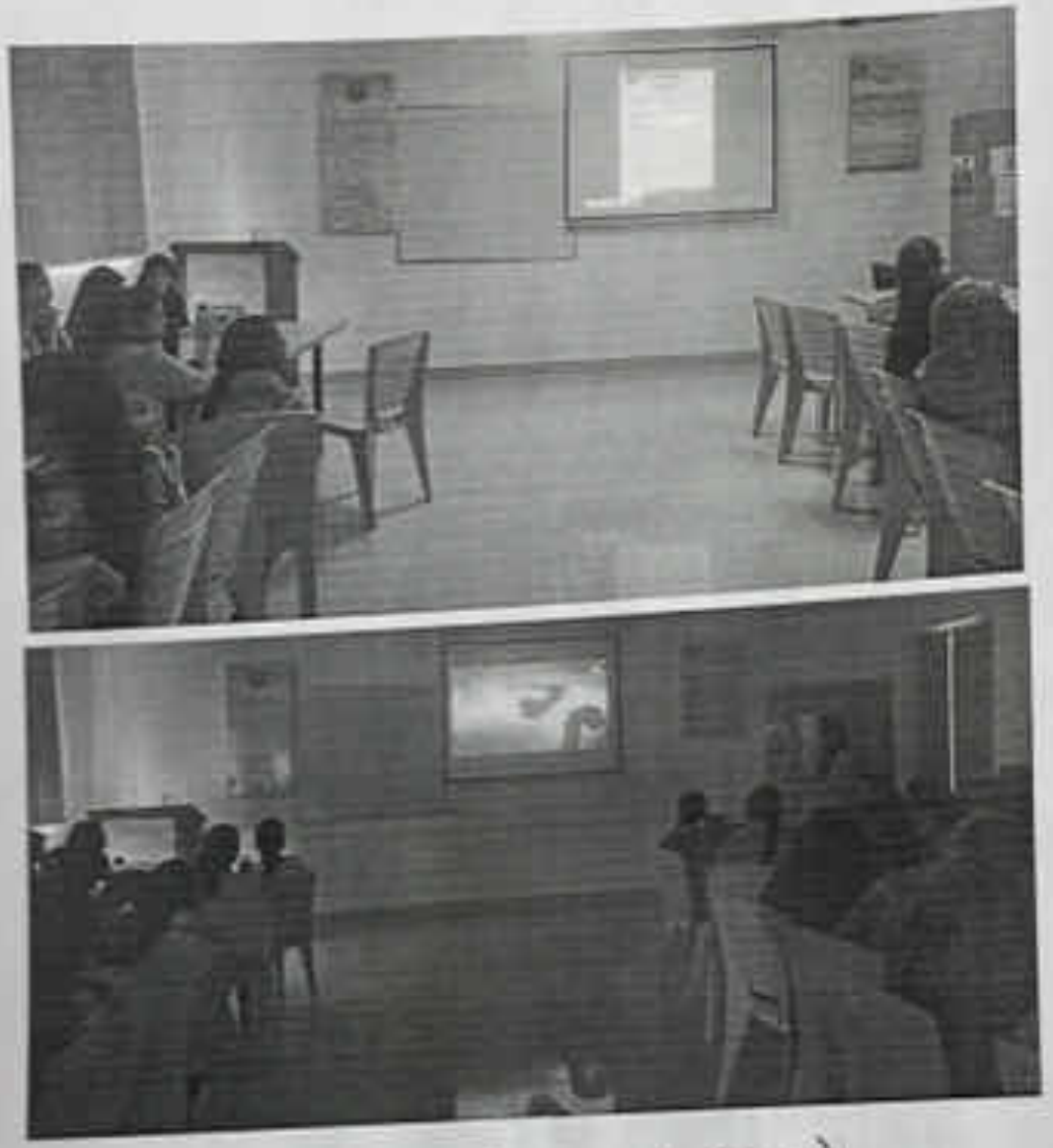
Module 8 : Financial Analysis
Learn to perform financial analysis of your project idea and decide if it is backed by a strong business rationale (Worth-It).

Module 9 : Design for Environment
Learn how to apply design for environment principles to a product life cycle.

Module 10 : Product Development Processes
Learn to select and implement a product development process (staged, spiral, and agile) that's aligned to your project needs.

References :

1. H. S. Fogler and S. E. LeBlanc, Strategies for Creative Problem Solving, 2nd edition, Pearson, Upper Saddle River, NJ, 2008.
2. A. Whimbey and J. Lochhead, Problem Solving & Comprehension, 6th edition, Lawrence Erlbaum, Mahwah, NJ, 1999.
3. M. Levine, Effective Problem Solving, 2nd edition, Prentice Hall, Upper Saddle River, NJ, 1994.



STANSCREEN (English Club)

STANSCREEN

JOIN FOR THE AUDITIONS ON 03/12/22
VENUE: COMMUNICATION LAB
TIME: 9.30 AM-12.00PM

STANSCREEN, the official film club of Stanley College of Engineering and Technology for Women, would like to welcome you all to the auditions of the club. We organize this as a process to evaluate the consistency, dedication, organizing and and communicating skills of the interested candidates.

1) As we majorly consider screening of non pop cult movies, documentaries, interviews, science and history materials, we look for the candidates who have a taste in these subjects.

2) Auditions

Auditions will be conducted based on a common written aptitude test, narrative skills, technical knowledge and current affairs of the candidate.

3) Screenings and discussions generally happen on every Saturday and if a candidate is being absent for two continuous screenings without prior permission she shall be eliminated from the club and the seat will be given to another interested candidate.

4) There will be week-long film festivals, guest lectures and discussions on film studies. Candidates should be available at campus during these for the smooth coordination of the same.

5) Responsibility, persistence, commitment, communication skills (language is not a barrier) good observation and ability in taking initiatives are highly expected.

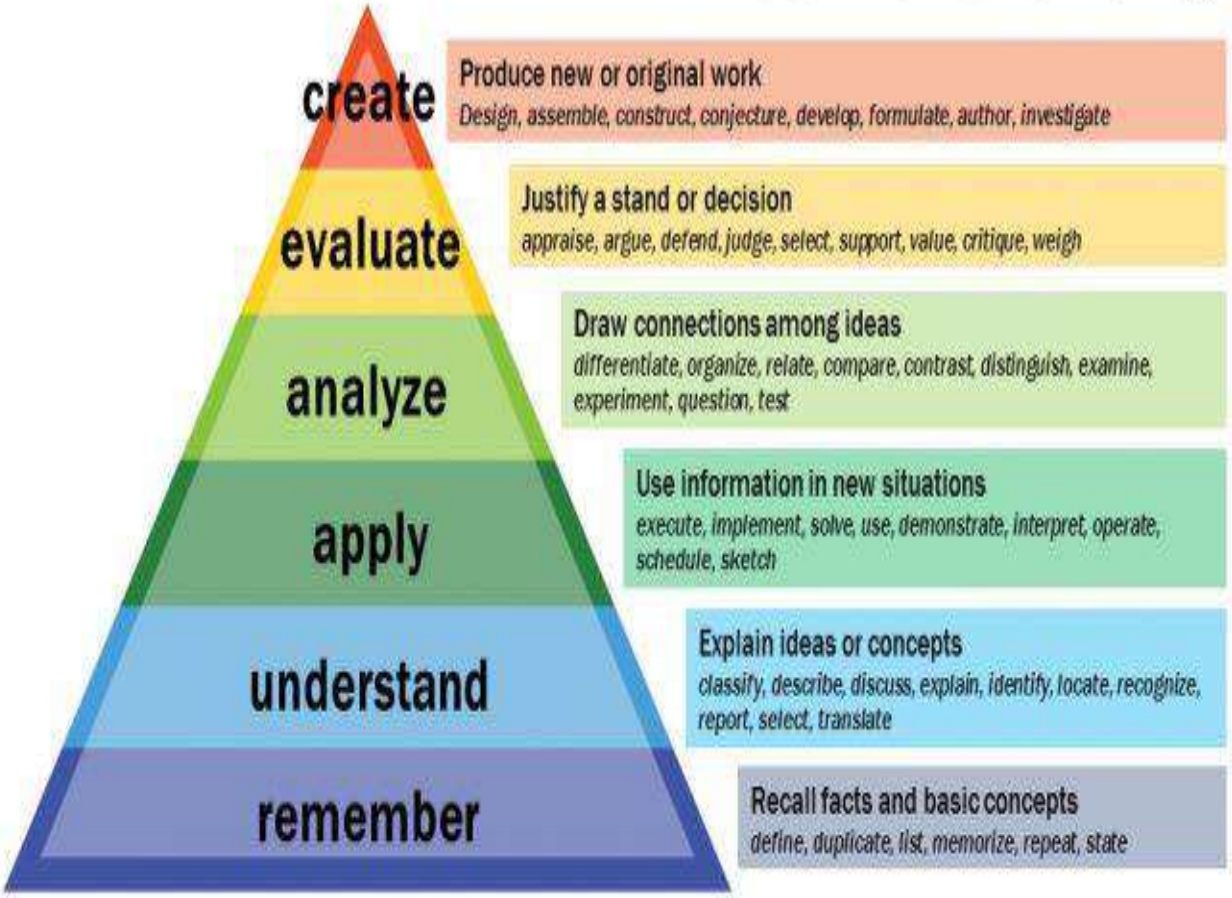
6) Candidates are expected to make a short-film/ documentary in the end of every semester/ year. These short films shall be sent for short film festivals and streamed on college's YouTube channel.

7) Even after forming the committee, the organizers have complete authority to cancel/ change the screenings based on the contents.

Thank you for your cooperation.

FOR MORE DETAILS, CONTACT HARIPRIYA R/ ATHUL MOHAN T M

Bloom's Taxonomy

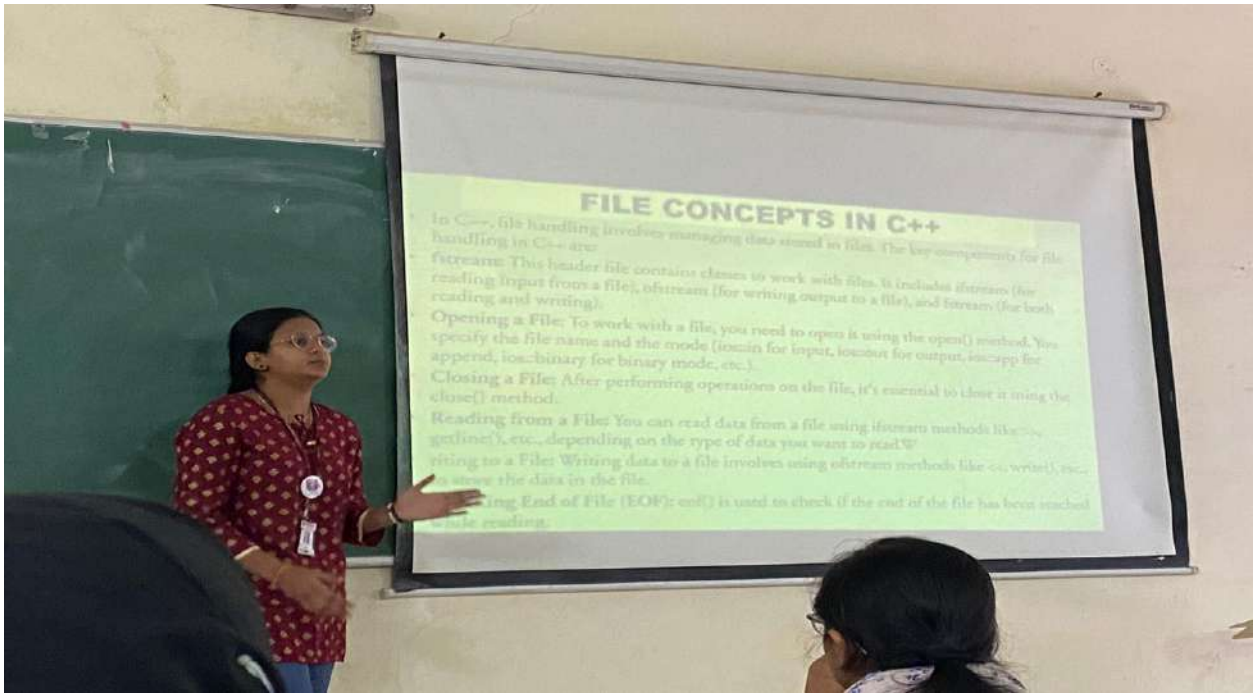


REVISED Bloom's Taxonomy Action Verbs

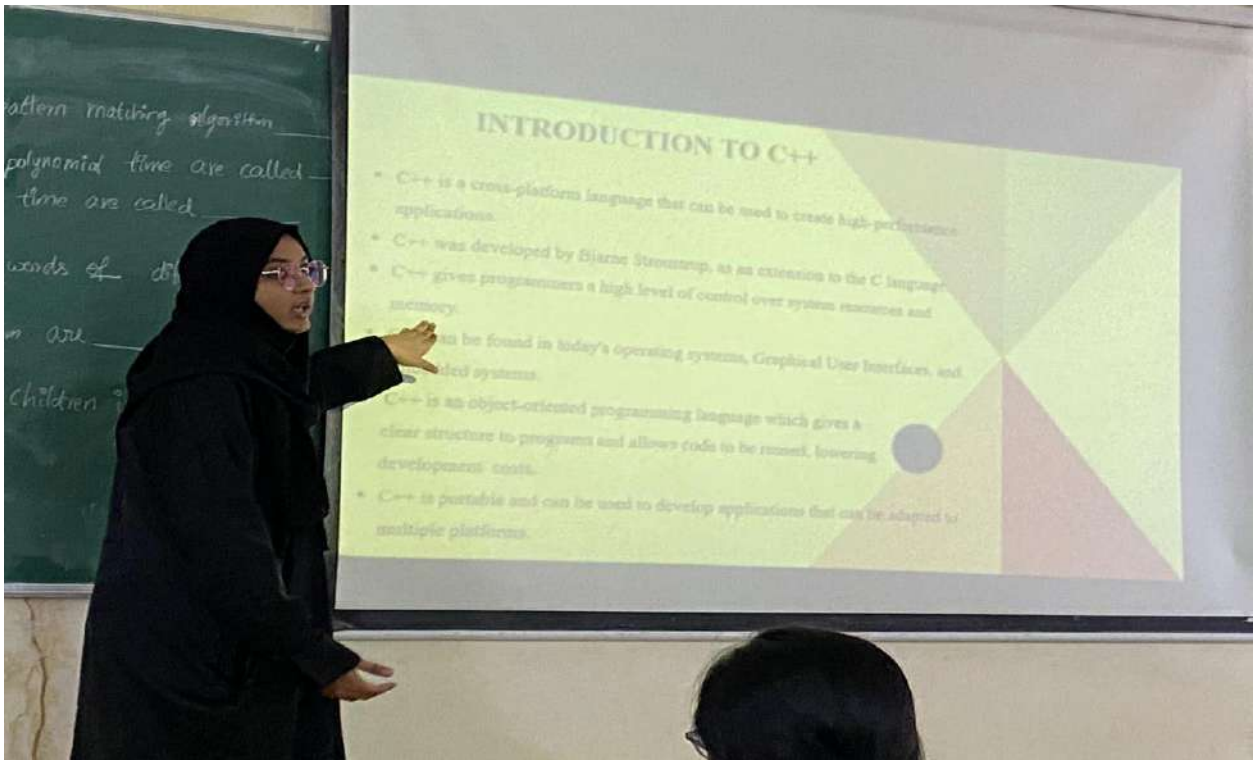
Definitions	I. Remembering	II. Understanding	III. Applying	IV. Analyzing	V. Evaluating	VI. Creating
Bloom's Definition	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.	Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.
Verbs	• Choose • Define • Find • How • Label • List • Match • Name • Omit • Recall • Relate • Select • Show • Spell • Tell • What • When • Where • Which • Who • Why	• Classify • Compare • Contrast • Demonstrate • Explain • Extend • Illustrate • Infer • Interpret • Outline • Relate • Rephrase • Show • Summarize • Translate	• Apply • Build • Choose • Construct • Develop • Experiment with • Identify • Interview • Make use of • Model • Organize • Plan • Select • Solve • Utilize	• Analyze • Assume • Categorize • Classify • Compare • Conclusion • Contrast • Discover • Dissect • Distinguish • Divide • Examine • Function • Inference • Inspect • List • Motive • Relationships • Simplify • Survey • Take part in • Test for • Theme	• Agree • Appraise • Assess • Award • Choose • Compare • Conclude • Criteria • Criticize • Decide • Deduct • Defend • Determine • Disprove • Estimate • Evaluate • Explain • Importance • Influence • Interpret • Judge • Justify • Mark • Measure • Opinion • Perceive • Prioritize • Prove • Rate • Recommend • Rule on • Select • Support • Value	• Adapt • Build • Change • Choose • Combine • Compile • Compose • Construct • Create • Delete • Design • Develop • Discuss • Elaborate • Estimate • Formulate • Happen • Imagine • Improve • Invent • Make up • Maximize • Minimize • Modify • Original • Originate • Plan • Predict • Propose • Solution • Solve • Suppose • Test • Theory

Anderson, L. W., & Krathwohl, D. R. (2001). A taxonomy for learning, teaching, and assessing, Abridged Edition. Boston, MA: Allyn and Bacon.


matching algorithm
id time are called
are called
of different length
HOW A C++ COMPILER COMPILES THE CODE
Preprocessing: The compiler's first stage involves a preprocessor, which handles directives like #include and #define. It expands macros and includes header files into the code.
Compilation: The preprocessed code is then translated into assembly language or an intermediate representation specific to the compiler.
Assembly: The assembly code or intermediate representation is converted into machine code (binary instructions) specific to the target architecture.
Linking: If there are multiple source files or external libraries, the linker combines all necessary object files into an executable file. It resolves references to functions or variables across different files and libraries.
During these stages, the compiler performs syntax and semantic analysis, optimization, and generates executable code compatible with the targeted platform or architecture.


FILE CONCEPTS IN C++


C language
Features
Execution
Stages
Rules for Variables
Type Casting
Operators
Control Structures
Data Types
Functions


INTRODUCTION TO C++
C++ is a cross-platform language that can be used to create high-performance applications.
C++ was developed by Bjarne Stroustrup, as an extension to the C language.
C++ gives programmers a high level of control over system resources and memory.
C++ is an object-oriented programming language which gives a clear structure to programs and allows code to be reused, lowering development costs.
C++ is portable and can be used to develop applications that can be adapted to multiple platforms.

DC ASSIGNMENT - 1

UNIT - 1

A. Sahithi
IT-B
160619737054

1,4) Distinguish LAN and WAN

Ans:- LAN: A local area network privately owned & links devices in a single office, building or campus.

→ It is size limited to only a few kms.

→ Allows resources to be shared between personal computers or workstations like pointer (hardwares), data or application program (software).

WAN: A Wide Network provides long distance transmission of data, image, audio & video info over large geographic areas that may comprise a country, a consistent or even whole world.

→ Implemented using circuit switching, packet switching & frame relay, ATM network.

2) Define protocol.

Ans: A protocol is a set of rules that govern data communications. It defines what is communicated, how it is communicated & when it is communicated. The key elements are:

→ Syntax: structure / format of data

→ Semantics: Meaning of each section of data i.e. interprets bits.

→ Timing: Refers to 2 characteristics, when data should be sent and how fast they can be sent.

3) Define pear process.

Ans: The process of communication between devices at a given layer or same level is called "pear-to-pear process".

Eg: Pear-to-pear protocol in OSI model layer.

5) short note on circuit switching vs packet switchig.

Ans: circuit switching: In this a dedicated communication path

is established b/n stations through nodes of network.
→ Resources is reserved before transfer of data.
→ path is connected sequence of physical links b/n nodes at each node data is sent ~~in sequence of~~ or routed to destination.
Eg: Telephone network

Packet switching: The data is sent in sequence of small chunks called packets.
→ These packets of data are transferred from node to node b/n source & destination.
→ At each node the entire packet is received, stored briefly & transmitted to next node.
Eg: Terminal-to-computer, computer-computer communication.

6) What are advantages of layering.
Ans: → Layering in n/w protocols helps complex tasks to get done easily as they simplify by breaking into smaller & measurable units.
→ If one network fails at a layer it does not affect other layers.
→ By layering, protocols can be designed for interoperability b/n the systems.
→ Each layer has their own functionality.

7) List functions of physical layer.
Ans: → Representation & Transmission of bits
→ Synchronization of bits
→ Line configuration → physical topology
→ Data rate → Transmission mode

8) List functions of Data link layer.
Ans: → physical addressing → Framing → Access control

→ Flow control → Error control

→ Transforms physical link to reliable link by adding trailer.

9) List functions of Network layer.

Ans: → Logical addressing

→ Responsible for source-to-destination delivery of packet, across multiple networks.

→ Routing: connecting devices in interworks are called routers or switches that route the packets to their final destination.

10) List functions of Transport layer.

Ans: → service point addressing

→ segmentation of reassembly → Flow control

→ connection control → Error control

→ Responsible for 'process - to- process' delivery of entire message.

11) List functions of session layer.

Ans: → Dialog control

→ Synchronization: Adds checkpoints or synchronization points to a stream of data.

→ It establishes, maintains & synchronizes the interaction b/n communicating systems.

12) List functions of presentation layers.

Ans: → Translation: provides interoperability b/n diff encoding systems.

→ Encryption: To ensure privacy of sensitive data.

→ compression: Reduces no. of bits in information.

→ changes the look of particular data.

LAQ's:

1) Explain protocol architecture of ISO-OSI model.

Ans: The International standards Organization (ISO), introduced OSI model in 1970's that covers all aspects of network communication.

→ open systems interconnection is a model for understanding & designing a network architecture that is flexible, robust & interperable.

Layered architecture of OSI: OSI model of composed of 7 layers & each layer defines functions distinct from those of other layers.

→ Allows complete interoperability b/n otherwise incomplete systems.

a) physical layer: It defines the characteristics of interface b/n devices & transmission media.

→ Consists of stream of bits which are transmitted one heap to next & before transmitted they are encoded into signals.

→ Transmission rate (no. of bits ~~which are transmitted one~~ sent each second) is defined by this layer.

b) Data-Link layer: This layer divides the stream of bits received from network layer into managable data units called 'frames'.

→ Responcible for physical addressing. It adds a 'header' to frame to define sender & receiver of the frame.

→ Responsible for transforming physical layer into reliable link by addressing / adding 'trailer' to detect & retransmit last frames.

c) Network layer: Responsible for source-to-destination delivery of a packet, across multiple networks. If two systems are connected to same link, there is no need for network layer.

d) Transport layer: Responsible for process-to-process delivery of entire message. The header includes a type of address called service point address or port address.

→ In this layer, message is divided into transmittable segments, each of them contain a sequence number. The sequence no. enables transport layer to reassemble the message upon reaching destination.

e) Session layer: It is a network dialog controller.

→ It establishes, maintains & synchronizes the interaction b/w communication systems.

f) Presentation layer: This layer is concerned with syntax and semantics of information.

→ This layer at sender changes data from sender dependent format to common format and at receiving machine it is changed from common format to receiver dependent format. This is called translation.

g) Application layer: This layer enables the user, when human or software try to access the network.

→ It provides user interfaces & supports services such as electronic mail, remote file access & transfer, shared database management & directory services.

2) Explain protocol architecture of Tcp/Ip protocol suite.

Ans:- Transmission control protocol/ Internetworking protocol was developed prior to OSI model.

→ This suite is made of 5 layers.

→ The layer of Tcp/Ip contain relatively independent protocols that can be mixed & matched depending on needs of systems.

1/2) physical & Data link layer: It does not define any specific protocol at these 2 layers. It supports all standard & proprietary protocols.

→ The network can be a LAN or a WAN.

Network Layer: supports Internetworking ~~protocol, which~~ inter-connecting & connectionless protocol- a best effort delivery service.

2) Network layer: supports internetworking protocol, which inturn uses of 4 supporting protocols.

(i) Internetworking protocol (IP)
(ii) Address Revolution (ARP)
(iii) Reverse Address Revolution (RARP)
(iv) Internet Group Message protocol (IGMP)
(v) Intemet control Message protocol (ICMP).

4) Transport layers: Represented in TCP/IP by 3 protocols.

(i) User Datagram protocol (UDP)
(ii) Transmission control protocol (TCP)
(iii) stream control Transmission protocol ~~(SCTP)~~ (SCTP)

5) Application Layer: It is combined layer of session, presentation and application layers in OSI model.

(i) simple Mail transfer protocol (SMTP) (ii) File Transfer protocol (FTP)
(iii) Hyper Text Transfer protocol (HTTP) (iv) Domain Name sener (DNS)
(v) Simple Network Management protocol (SNMP)
(vi) Terminal Network (TELNET)

3) Differentiate OSI model & TCP/IP protocol suite.

Ans:-

OSI Model	TCP/IP protocol Suite
→ Open system Interconnection.	→ Transmission control protocol/ Internnetwork protocol.
→ Developed by Iso.	→ Developed prior to OSI by ARPANET.
→ It is a model for computer protocol architecture & as a framework for developing protocol standards.	→ It is a hierarchical protocol made up of interactive modules, each of which provide a specific functionality.
→ The intent of OSI model is that protocols be developed to perform the functions of each layer.	→ The layers of Icp/Ip contain relatively independent protocols that can be mixed & matched depending on needs of system.
→ It has 7 layers.	→ It has 5 layers.
→ Follows a vertical approach.	→ Follows a horizontal approach.
→ The transport layer provides a guarantee for delivery of packets. The network layer provides both connection oriented and connectionless service.	→ The transport layer doesn't provide surity for delivery of datagrams. The network layer provides only connectionless service.
→ The usuage of this model is very low because its complex with 7 layers.	→ Usuage of this model is very high and is a more practical model.
→ More complexity due to more no. of layers.	→ Less complexity due to less no. of layers.
→ OSI model does not uses the services of other models.	→ It uses services of physical & data link layers of OSI model.

4) Explain data communication networking.

Ans: Data communication Networking: A Network is a set of devices connected by media links. A node can be computer, printer, etc.

→ There are 3 categories of networks: LAN, WAN, MAN.
The network category is determined by its size.

(i) Local Area Network (LAN): It is usually privately owned & links the devices ~~connected by media links~~. a single office, building or campus.
→ A given LAN will only use 1 type of transmission media.
→ The most common LAN topologies are bus, ring, star.
→ The data rate in early LAN's had 4 to 16 megabits per bits (Mbps) range. Today, the speeds are normally 100 to 1000 Mbps.

(ii) Wide Area Network (WAN): A WAN provides long distance transmission of data, image, audio & video information over large geographic areas that may comprise a country, a continent or even whole world.
→ Switched WAN connects the end systems which usually comprise a router that connects to another LAN or WAN.
→ A point-to-point WAN is ~~usually~~ normally a line leased from a telephone or cable TV provider that connects a home computer or a small LAN to an Internet service provider (ISP). This type of WAN is used to provide Internet access.
→ WAN's have been implemented using one of 2 technologies: circuit switching & packet switching.
→ Recently, frame replay & ATM networks have been playing major roles.

(iii) Metropolitan Area Network (MAN): It is a network with a size b/n a LAN & a WAN.
→ It normally covers an area inside a town / city.
→ It is designed for customers who need high-speed connectivity normally to Internet & have end points spread over a city.
→ A good example is telephone company network that can provide a high speed DSL line to customer.

Stanley College of Engineering and Technology for Women

(Autonomous)
(Affiliated to Osmania University)
(Accredited by NAAC with "A" Grade, Accredited by NBA)
Chapel Road, Abids, Hyderabad - 500 001

Course Information Sheet - Autonomous 2022 - 23

Course Name: Theory of Automata	Course Code: SPC4011T	Regulation: Ay:2022-23
Program / Year / Semester: B.E IT/2023/IV	Credits: 3 Max Marks :100	
Course Type: Core /Elective / Inter-Disciplinary/ Maths / Science /Humanities / Computing: Core		
Course Area/Domain:	Contact Hours: 3 L (Tutorial) Hours/Week.:	
Corresponding Lab Course Name, Code (If Any):		
Pre-Requisite Courses/Sem/Code (If Any) : Discrete Mathematics		

Syllabus

UNIT	DETAILS	HOURS (LECTURE)	HOURS (TUTORIAL)
I	Automata and Finite Automata	10	1
II	Regular Expressions and Language, Properties of Regular Expressions	10	1
III	Context Free Grammars and Languages Properties of Context Free Language	8	1
IV	Pushdown Automata Turning Machines	10	1
V	Recursive and Recursively enumerable languages(REL)	10	1
	TOTAL	48+5=53	

Text/Reference/Additional Books

T/R	Book Title/Authors/Publisher
T1	John Hopcroft, Rajeev Motwani, Jeffery D Ulman. Introduction to Automata Theory Languages and Computation, third edition, Pearson Education, 2009.
T2	John C. Martin, Introduction to Languages and the Theory of computation, third Edition, Tata McGrawHill,2003.

Web Source References: (Detailed Topic link)

W1	https://www.javatpoint.com/automata-tutorial
W2	https://www.youtube.com/playlist?list=PLduM7bkxBdOckkPOjexEV8KKCjqYh1T_3

Course Outcomes:

SNO	Description *Description of the first course Outcome (Taxonomy Level in Braces)*	PO(1..12) Mapping	PSO(1..2) Mapping
CO.1	Gain the knowledge of basic kinds of finite automata and their capabilities.	1,2,12	1
CO.2	Understand regular and context-free languages	1,2,3,12	1
CO.3	Gain the knowledge to analyze regular expressions and grammars	1,2,3,12	1
CO.4	Design finite automata, push down automata	1,2,3,12	1
CO.5	Constructing the Turing machine for Recursive languages.	1,2,3,4,12	1,2

(Course outcomes Minimum 4 Maximum 6)

Course Outcomes Vs Pos Mapping (Detailed; High:3; Medium:2; Low:1):

SNO	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2
CO.1	3	3	2							1		1	2	2
CO.2	2	2	2							1		1	2	2
CO.3	2	2	2	1					1	1		1	2	1
CO.4	2	2	2	1	1				1	1		1	2	1
CO.5	2	2	2	1								1	1	1
AVG	9.4	2.2	2	0.6	0.2	0	0	0	0.4	0.8	0	1	1.8	1.4

* *For Entire Course, PO & PSO Mapping*

Note: Enter correlation levels 1, 2 or 3 as defined below:
1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)
If there is no correlation, put "-"

Class Assessment:

	Technical Participations in Inter College Competitions/ Paper Presentations / Publications	Certification Courses (SWAYAM, NPTEL or Relevant online recommended courses	Course Project / Project Based Learning (PBL) Team Size:3	Viva Conducted by Course Committee	Observations
No. of Students			**Case Study:** **Team size=3** 1. Spell Checker 2. Game Theory 3. Working of Turnstile 4.PageRank 5. Traffic Signal Automation		
Mapping with Cos			CO4		

POs & PSO Reference:

PO1	Apply Engineering Knowledge	PO6	Engineer & Society	PO11	Project Mgt. & Finance
PO2	Problem Analysis	PO7	Environment & Sustainability	PO12	Life Long Learning
PO3	Design & Development	PO8	Ethics	PSO1	Skilled Professional
PO4	Investigations of Complex problems	PO9	Individual & Team Work	PSO2	Research Capability
PO5	Modern Tools	PO10	Communication Skills	PSO3	.....

Gaps In The Syllabus - To Meet COs, POs & PSOs:

SNO	GAP	PROPOSED ACTIONS	PROPOSED RESOURCE	CO	PO/ PSO
1	Practical Implementation Using Python	Experiments to construct automation using finite automata	Computers with Python Software	CO1,2,4	PO5/PS1

Topics Beyond Syllabus: Additional course material / learning material / Lab Experiments / Projects

S.No	Description	CO	PO / PSO
1	Case Studies	CO4	PO4,P09,PO10/PSO1

Web Link of the Course Material:
https://drive.google.com/drive/folders/1okHxCIfizRDmiMf3AESNOqSIAcUQJAXW?usp=drive_link

Innovation / Pedagogical Initiatives to Cater Weak & Advanced Learners:

1. For Weak Learners Class tests and tutorial question practice classes were conducted
2. For Advance Learners, Seminars are conducted and Case studies are assigned.

Instructional Methodologies:

✓	REAL WORLD EXAMPLES	✓	COLLABORATIVE LEARNING		QUALITY LAB EXPERIMENTS		OBSERVATIONS RECORDED
	INDUSTRY INTERNSHIP		SUMMER TRAINING		EXPERT GUEST LECTURES		PROJECTS
	USE OF ICT		ANY OTHER (SPECIFY)				

Assessment Methodologies-Direct

✓	EXAM QUESTIONS	✓	TUTORIAL QUESTIONS	✓	ASSIGNMENTS		LABORATORY TESTS
	PROJECT EVALUATION		STUDENT ARTIFACTS		ORAL EXAMS		PROJECT PRESENTATIONS
✓	INTERNALLY DEVELOPED EXAMS		ANY OTHER (SPECIFY)				

Assessment Methodologies-Indirect

	STUDENT EXIT SURVEY		CO-CURRICULAR ACTIVITIES		EXTRA CURRICULAR ACTIVITIES

Prepared by

Dr. Y.L Malathi Latha
Associate Professor

Approved by

Head of Department
Information Technology
Stanley College of Engineering & Technology for Women
Abids, Hyderabad-500001, T.S.

Dean Academics with sign

STANLEY COLLEGE OF ENGINEERING AND TECHNOLOGY FOR WOMEN
DEPARTMENT OF INFORMATION TECHNOLOGY
MINI PROJECT BATCH 1 LIST

7/6/22.

Team No	Sno	Roll.no.	Name	Tentative Title	Guide Name	Student Signature	Remarks
1	1	160619737070	Gorityala Nandini	App for online OPD appointment & hospital information system.	Dr. K.Rama Krishna	A	No Proper presentation Dint Complete Implemetation should be explained.
	2	160619737051	Yenumula.Nikitha	~~Facial Recognition based Attendance system~~		Nikitha	
	3	160619737080	Nandanam Vaishnav			Vaishnavi	
2	4	160619737071	G.Sai Meghana	Text-Speech Recongnition	Ms Hajera Subani	Sai	
	5	160619737057	Alekhya Kulkarni			K. Alekhya	
	6	160619737052	Amaraboina.Rajeshv	~~Weather Forecast using Python~~		A. Rajeshwari	
3	7	160619737062	B.Aishwarya	Hand-written digit Recognition System	Mrs G.Sreelatha	Aishwarya	Dint Complete
	8	160619737054	Alli Sahithi			A	
	9	160619737053	Ananthoju Sai Sreey	~~Object Detection and Classification~~		Sreeja	
4	10	160619737055	Ayesha Jahan	Plagarism Detection Tool.	Mr T.Sandeep	Ayesha	Not clear with project PPT is not proper
	11	160619737074	K.Sangeetha			K. Sangeetha	
	12	160619737075	K.Sathvika	Chatbot using Artifical Intelligence		K. Sathvika	
5	13	160619737079	Mirupati Sneha Redd	Employee finacial Analysis.	Mrs Nagamani	Sneha Reddy	Right process on ppt
	14	160619737069	G Chetna	~~Career Guidance on Engineering Streams~~		G. Chetna	
	15	160619737063	Cheera Sharanya			Sharanya	
6	16	160619737078	M Brinda Iyengar	Student Result Management System	Mrs Ruqia Alam	Brinda	Modify Design
	17	160619737077	K.Praharsha			Praharsha	
	18	160619737067	D. Sindhu			A	
7	19	160619737073	K.Harshitha	carrer guidance system using ML	Mrs Niharika	Harshitha	completed ppt Told changes Good
	20	160619737058	Bellamkonda Megha			Megha	
	21	160619737056	A.Varshita Reddy	IPL Score Prediction		Varshita	
8	22	160619737076	K.Harika	~~Sign Language Recognition based on Hand Gestures Using Machine~~	Dr B Srinivasu	Harika	Code Execution Pending.
	23	160619737068	G Vanaja	Learning.		G. Vaneela	
9	24	160619737060	B.Mahalaxmi Rao	Automatic text summarizer	Ms Vishalini	Mahalaxmi	Improve Design
	25	160619737061	Bandi.Charishma Ch			Nihanika	
	26	160619737066	D. Niharika	Color Detecton System in Python		Charishma	
10	27	160619737065	D. Akshitha	Tailor Mgt Sys.	Ms J Sumedha	D. Akshitha	Didnt present
	28	160619737059	Bollam Preethi	Food Filters using Javascript in Snapchat/Instagram		A	
	29	160619737064	Chowhan Ananya Sir			A	

Sentiment Analysis of news articles using web scraping and NLP.

STANLEY COLLEGE OF ENGINEERING AND TECHNOLOGY FOR WOMEN

DEPARTMENT OF INFORMATION TECHNOLOGY

MINI PROJECT BATCH 1 LIST VI Sem ACY 2021-22

Team No	Sno	Roll.no.	Name	Tentative Title	Guide Name	Guide Signature	Remarks
1	1	160619737070	Gorityala Nandini	App for Online appointment and hospital information system	Dr. K.Rama Krishna		
	2	160619737051	Yenumula.Nikitha				
	3	160619737080	Nandanam Vaishnavi				
2	4	160619737071	G.Sai Meghana	Text to speech recognition	Ms Hajera Subani	Hajera	
	5	160619737057	Alekhya Kulkarni				
	6	160619737052	Amaraboina.Rajeshwari				
3	7	160619737062	B.Aishwarya	Object Detection and Classification	Mrs G.Sreelatha	Sreelatha	
	8	160619737054	Alli Sahithi				
	9	160619737053	Ananthoju Sai Sreeya				
4	10	160619737055	Ayesha Jahan	Plagiarism Detection Tool	Mr T.Sandeep		
	11	160619737074	K.Sangeetha				
	12	160619737075	K.Sathvika				
5	13	160619737079	Mirupati Sneha Reddy	Employee Financial Analysis Using Hierarchical Clustering	Mrs Nagamani		
	14	160619737069	G Chetna				
	15	160619737063	Cheera Sharanya				
6	16	160619737078	M Brinda Iyengar	Student Result Management System	Mrs Ruqia Alam		
	17	160619737077	K.Praharsha				
	18	160619737067	D. Sindhu				
7	19	160619737073	K.Harshitha	Web crawler using python	Mrs Niharika		
	20	160619737058	Bellamkonda Meghana				
	21	160619737056	A.Varshita Reddy				
8	22	160619737076	K.Hanika	Sign Language Prediction Based on Hand Gestures Using Machine Learning.	Dr B Srinivasu		
	23	160619737068	G Vanaja				
9	24	160619737060	B.Mahalaxmi Rao	Automatic text summarizer	Ms Vishalini		
	25	160619737061	Bandi.Charishma Chowda				
	26	160619737066	D. Niharika				
10	27	160619737065	D. Akshitha	Tailor Management System	Ms J Sumedha		
	28	160619737059	Bollam Preethi				
	29	160619737064	Chowhan Ananya Singh				

Stanley College Of Engineering And Technology For Women

Department of Information Technology

BE VI SEM- B SEC-MiniProject2021-22

Internal Guide Review Sheet

Project Title: APPLICATION FOR ONLINE OPD APPOINTMENT & HOSPITAL INFORMATION SYSTEM.

Internal Guide: Dr. K. RAMAKRISHNA Batch No: 1

Student – 1: Name: N. VAISHNAVI. R. No: 160619733080

Student – 2: Name: Y. NIKITHA R. No: 160619733051

Student – 3: Name: G. NANDINI R. No: 160619733070

SNo.	Date	Purpose of Meet	Signature	Remarks
1.	18/4/22	Idea Presentation		Come with two ideas & finalized one idea.
2	25/4/22	Introduction, Existing & Proposed system		Suggested to Change the way they are developing project after discussion
3	25/4/22	System Requirements, modules presentation		
4	14/6/22	Design Presentation		Form Designed
5	21/6/22	Coding-(partial)		partial code is shown & verified.
6	28/6/22	Coding Implementation changes		Majority code for patient & Admin modules is done

Internal Guide Project Coordinator HOD

STANLEY COLLEGE OF ENGINEERING AND TECHNOLOGY FOR WOMEN (AUTONOMOUS)

(Affiliated to Osmania University & Approved by AICTE)

(All eligible UG Courses are accredited by NBA & Accredited by NAAC with 'A' Grade)

DEPARTMENT OF INFORMATION TECHNOLOGY

B.E. VI Semester B Sec, 2021-2022

Internal Project Evaluation

Project Title: Application for Online OPD appointment and Hospital Info Systems.

Name of the Project Guide: Dr. K. Ramakrishna.

BATCH.NO	ROLL NO.	NAME
1	160619737080	N. Vaishnavi
	160619737051	Y. Nikitha
	160619737070	G. Nandini

S. No				
		80	51	70
1.	Problem Selection(2)	2	2	2
2.	Domain knowledge and technical knowledge (3)	2	2	2
3.	Design Methodology(4)	3	3	3
4.	Presentation (3)	2	3	2
5.	Q & A (3)	3	3	3
		12	13	12

Project Guide

Project Coordinator

HOD -IT

SCHEME OF INSTRUCTION & EXAMINATION
B.E. - VIII SEMESTER
(INFORMATION TECHNOLOGY)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	PE-VI	Professional Elective – VI	3	-	-	3	30	70	3	3
2	OE-III	Open Elective – III	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
3	PW861 IT	Project Work – II	-	-	16	16	50	100	-	8
			06	-	**16**	**22**	**110**	**240**	**06**	**14**

Profession Elective – VI	
Course Code	**Course Title**
PE 811 IT	Quantum Computing
PE 812 IT	Deep Learning
PE 813 IT	Cryptography and Network Security
PE 814 IT	Scalable Architecture

Open Elective III	
Course Code	**Course Title**
OE 801 CE	Road Safety Engineering
OE 801CS**	Fundamentals of AL & ML
OE801EE	Smart Building Systems
OE802EE	Programmable Logic Controllers
OE801EC	Principles of Electronic Communications
OE801 IT**	Software Engineering
OE801ME	3D Printing Technologies
OE801AE	ELEMENTS OF ELECTRIC AND HYBRID VEHICLE TECHNOLOGY

Note-1: ** Subject is not offered to the students of CSE and IT Department.

PC: Professional Course **MC**: Mandatory Course **HS**: Humanities and Sciences
L: Lectures **T**: Tutorials **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation
SEE: Semester End Examination (Univ. Exam)

Note-2: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. - VII SEMESTER
(INFORMATION TECHNOLOGY)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	**PC 701 IT**	VLSI Design	3	1	-	4	30	70	3	3
2	**PC 702 IT**	Big Data Analytics	3	1	-	4	30	70	3	3
3	**PE-V**	Professional Elective-V	3	-	-	3	30	70	3	3
4	**OE-II**	Open Elective II	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
5	**PC 751 IT**	VLSI Design Lab	-	-	2	2	25	50	3	1
6	**PC 752 IT**	Big Data Analytics Lab	-	-	2	2	25	50	3	1
7	**PW 761 IT**	Project Work – I	-	-	4	4	50	-	-	2
8	**SI 762 IT**	Summer Internship	`	-	-	-	25	50	-	2
			12	**02**	**8**	**22**	**245**	**430**	**18**	**18**

Profession Elective – V	
Course Code	**Course Title**
PE 711 IT	Wireless and Mobile Communication
PE 712 IT	Semantic Web
PE 713 IT	Cloud Computing
PE 714 IT	Human Computer Interaction

Open Elective II	
Course Code	**Course Title**
OE 776 IT**	Cyber Security
OE 772 CS**	Data Science and Data analytics
OE 771 CE	Green Building Technologies
OE 773 EC	Fundamentals of IoT
OE 774 EE	Non-Conventional Energy Sources
OE 775 ME	Entrepreneurship

Note-1: ** Subject is not offered to the students of CSE and IT Department.
PC: Professional Course **PE**: Professional Elective,
HS: Humanities and social Science **MC**: Mandatory Course
L: Lecture T: Tutorial **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation, **SEE**: Semester End Examination (Univ. Exam)
Note:
1. Each contact hour is a Clock Hour
2. The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

BATCH 2020-2024

SCHEMEOFINSTRUCTION&EXAMINATION
B.E(INFORMATIONTECHNOLOGY)
(witheffectfromtheacademicyear2022-23)

VISemester(2022-23)

S.No	Course Code	CourseTitle	SchemeofInstruction				SchemeofExamination			Credits
			L	T	D/P	Contact Hrs/Wk	CIE	SEE	DurationinHrs	
TheoryCourse										
1.	PC601IT	EmbeddedSystems	3	1	-	4	30	70	3	3
2.	PC602IT	DesignandAnalysisof Algorithms	3	1	-	4	30	70	3	3
3.	PC603IT	MachineLearning	3	1	-	4	30	70	3	3
4.	PC604IT	NetworkSecurityandcryptography	3	-	-	3	30	70	3	3
5	OE-1	OpenElective-1	3	-	-	3	30	70	3	3
6.	PE-II	ProfessionalElective-II	3	-	-	3	30	70	3	3
Practical/LaboratoryCourse										
7.	PC651IT	EmbeddedSystemsLab	-	-	2	2	25	50	3	1
8.	PC652IT	MachineLearningLab	-	-	2	2	25	50	3	1
9.	PC653IT	MobileApplicationDevelopmentLab	-	-	2	2	25	50	3	1
8.	PW654IT	MiniProject-I	-	-	2	2	25	50	3	1
Total			18	03	8	29	280	620	-	22

PC:ProfessionalCorePE:ProfessionalElective,HS:HumanitiesandsocialScienceMC:Mandatory
CourseL:LectureT:TutorialP:PracticalD:Drawing
CIE:ContinuousInternalEvaluation,SEE:SemesterEndExamination(Univ.Exam)

Note:1.EachcontacthourisaClockHour
2.Thepracticalclasscanbeoftwoandhalfhour(clockhours)durationastherequirementofaparticularlaboratory.

Note-2:* and **SubjectisnotofferedtotheCSE and IT Department students.

Open Elective-I

BATCH 2020-2024

SCHEMEOFINSTRUCTION&EXAMINATION
B.E(INFORMATIONTECHNOLOGY)

VSemester(2022-23)

S. No.	Course Code	CourseTitle	SchemeofInstruction: PeriodsPer week L	T	D/P	ContactHrs/Week	SchemeofExamination: Maximum Marks CIE	SEE	DurationinHrs	Credits
TheoryCourse										
1.	PC501IT	AutomataTheory	3	1	-	4	30	70	3	3
2.	PC502IT	OperatingSystems	3	1	-	4	30	70	3	3
3.	PC503IT	ArtificialIntelligence	3	1	-	4	30	70	3	3
4.	PC504IT	ComputerNetworks	3	1	-	4	30	70	3	3
5.	PC505IT	SoftwareEngineering	3	-	-	3	30	70	3	3
6.	PE-1	ProfessionalElective–I	3	-	-	3	30	70	3	3
Practical/LaboratoryCourses										
7.	PC551IT	ComputerNetworksandOperatingSystemLab	-	-	3	3	25	50	3	1.5
8.	PC552IT	ArtificialIntelligence Lab	-	-	2	2	25	50	3	1
9.	PC553IT	WebApplicationDevelopmentLab	-	-	2	2	25	50	3	1
Total			18	04	07	32	255	570	-	21.5

PC:ProfessionalCorePE:ProfessionalElective,HS:HumanitiesandsocialScienceMC:MandatoryCourse
L:LectureT:TutorialP:PracticalD:Drawing
CIE:ContinuousInternalEvaluation,SEE:SemesterEndExamination(Univ.Exam)

Note:1.EachcontacthourisaClockHour
2.Thepracticalclasscanbeoftwoandhalfhour(clockhours)durationspertherequirementofaparticularlaboratory.

CSE IV Semester

Sl. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs per Week	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SES401EC	Techniques on Signals and Systems	3	-	-	3	40	60	3	3
2	SPC401IT	Theory of Automata	3	-	-	3	40	60	3	3
3	SPC402IT	Operating Systems	3		-	3	40	60	3	3
4	SES402EC	Fundamentals of Digital Image Processing	3	-	-	3	40	60	3	3
5	SPC403IT	Computer Organization and Microprocessor	3	-	-	3	40	60	3	3
Practical/Laboratory Courses										
6	SPC411IT	Python Lab	1		2	3	40	60	3	2
7	SPC412IT	Operating Systems Lab	-	-	3	3	40	60	3	1.5
8	SPC413IT	Microprocessor Lab	-	-	3	3	40	60	3	1.5
9	SPW511IT	Internship- 1	The students have to undergo a Internship of 4 week duration after IV- Semester SEE				50	-		1
		Total	**15**	**-**	**10**	**25**	**370**	**540**		**21**

IT : III Semester

Sl. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs per Week	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SBS301MT	Probability and statistics	3	-	-	3	40	60	3	3
2	SPC301IT	OOPS using JAVA	3	-	-	3	40	60	3	3
3	SES302EC	Digital Electronics & Logic Design	3	-	-	3	40	60	3	3
4	SPC302IT	Database Management Systems	3	-	-	3	40	60	3	3
5	SPC303IT	Discrete Mathematics	3	-	-	3	40	60	3	3
6	SAC903EE	Electrical Technology	2	-	-	2	50	-	-	-
Practical / Laboratory Courses										
6	SPC311IT	OOPS using JAVA Lab	-	-	3	3	40	60	3	1.5
7	SPC312IT	Database Management Systems Lab	-	-	3	3	40	60	3	1.5
8	SHS902EG	Soft Skills Lab	1	-	2	3	40	60	3	2
		Total	**18**	-	**6**	**24**	**330**	**480**		20

SEMESTER - II

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/ Week	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SHS901EG	English	2	-	-	2	40	60	3	2
2	SBS902PH	Applied Physics	3	-	-	3	40	60	3	3
3	SBS201MT	Mathematics-II	3	1	-	4	40	60	3	4
4	SPC201IT	Data Structures with C	3	-	-	3	40	60	3	3
5	SMC902PY	Essence of Indian Traditional Knowledge	2	-	-	2	40	60	-	-
6	SMC901PO	Indian Constitution	2	-	-	2	40	60	-	-
Practical / Laboratory Courses										
7	SHS911EG	English lab	-	-	2	2	40	60	3	1
8	SBS912PH	Applied Physics Lab			4	4	40	60	3	2
9	SES914ME	Workshop	-	-	6	6	40	60	3	3
10	SPC211IT	Data Structures with C Programming lab			2	2	40	60	3	1
11	SPW211IT	Field Work	The students have to undergo a Field work of 2 week duration after II- Semester SEE or during semester breaks.				50	-	-	1
		Total	**15**	**01**	**14**	**30**	**450**	**600**	**24**	**20**

SEMESTER - I

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/ Week	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SBS101MT	Mathematics-I	3	1	-	4	40	60	3	4
2	SBS904CH	Chemistry	3	-	-	3	40	60	3	3
3	SES 101CS	Programming for Problem Solving	3	-	-	3	40	60	3	3
4	SES901EC	Basic Electrical and Electronics Circuits	3	-	-	3	40	60	3	3
5	SMC903CE	Environmental Science	2	0	-	2	40	60	3	0
6	SAC902IT	Design Thinking	2	0	-	2	50	-	0	0
Practical / Laboratory Courses										
7	SBS913CH	Chemistry Lab			4	4	40	60	3	2
8	SES915ME	Engineering Graphics & Design	1	-	4	5	40	60	3	3
9	SES911EC	Basic Electrical and Electronics Circuits Lab	-	-	4	4	40	60	3	2
10	SES111CS	Programming for Problem Solving Lab	-	-	4	4	40	60	3	2
		Credits	**17**	**01**	**16**	**34**	**410**	**540**	**-**	**22**

B. E . 4 Year (8 semesters) Regular Programme in
INFORMATION TECHNOLOGY
Course Structure
(Applicable for the Batch admitted from the Academic Year 2023-24)

Semester III

S. NO	Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	CONTACT HOURS	CIE	SEE	DURATION IN HOURS	Credits
Theory Courses										
1	SPC301IT	Discrete Mathematics & Graph Theory	3			3	40	60	3	3
2	SPC302IT	OOPs using JAVA	3			3	40	60	3	3
3	SPC303IT	Database Management Systems	3			3	40	60	3	3
4	ES302EC	*Digital Electronics*	3	-		3	40	60	3	3
5	SPC304IT	Computer Architecture and Organization	3			3	40	60	3	3
6	SAU903CH	Environmental Science	2			2	50		2	0
Practical/Laboratory Courses										
7	SPC311IT	OOPs using JAVA			2	2	40	60	3	1
8	SPC312IT	Database Management Systems Lab			2	2	40	60	3	1
9	ES312EC	Digital Electronics Lab			2	2	40	60	3	1
10	SPC313IT	IT Work Shop			2	2	40	60	3	1
			17		8	25	410	540	29	19

B. E . 4 Year (8 semesters) Regular Programme in
INFORMATION TECHNOLOGY
Course Structure
(Applicable for the Batch admitted from the Academic Year 2023-24)

Semester IV

S. NO	Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	CONTACT HOURS	CIE	SEE	DURATION IN HOURS	Credits
Theory Courses										
1	SBS401MT	Mathematics-III	4			4	40	60	3	4
2	SHS901BM	Managerial Economics and Financial Accountancy	4			4	40	60	3	4
3	SPC401IT	Operating Systems	3			3	40	60	3	3
4	SPC402IT	Data Communication and Computer Networks	3	-		3	40	60	3	3
5	SES401EC	Microprocessor and Microcontrollers	3			3	40	60	3	3
6	SMC901HS	Indian Constitution	2			2	40	60	2	0
Practical/Laboratory Courses										
7	SPC411IT	OS &CN Lab			2	2	40	60	3	1
8	SES411EC	Micro processor Lab			2	2	40	60	3	1
9	SPC412IT	Python Programming Lab		2	2	4	40	60	3	3
10	SHS912EG	Advanced Communication Skills lab			2	2	40	60	2	1
11		Internship-1	(to be evaluated in 5th semester. To be carried out in summer after 4th semester))							
			19	2	8	29	400	600	28	23

B. E . 4 Year (8 semesters) Regular Programme in
INFORMATION TECHNOLOGY
Course Structure
(Applicable for the Batch admitted from the Academic Year 2023-24)

Semester V

S.NO	Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	CONTACT HOURS	CIE	SEE	DURATION IN HOURS	Credits
Theory Courses										
1	SPC501IIT	Automata Theory and Compiler Design	3			3	40	60	3	3
2	SPC502IT	Design and Analysis of Algorithms	3			3	40	60	3	3
3	SPC503IT	Internet of Things	3			3	40	60	3	3
4	SPC504IT	Software Engineering	3	-		3	40	60	3	3
5	PE-1	Professional Elective -1	3			3	40	60	3	3
Practical/Laboratory Courses										
6	SPC511IT	Internet of Things Lab			2	2	40	60	3	1
7	SPC 512IT	DAA Lab			2	2	40	60	3	1
8	SPC513IT	Full Stack Development Lab-1 (HTML,CSS, Bootstrap, JS, ReactJS)		2	2	4	40	60	3	3
9	SPW501IT	Internship -1 (to be evaluated in 5ih semester. To be carried out in summer after 4 th semester))					50	-	3	1
			15	2	6	23	370	480	27	21

B. E . 4 Year (8 semesters) Regular Programme in
INFORMATION TECHNOLOGY
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(Applicable for the Batch admitted from the Academic Year 2023-24)

Semester VI

S. NO	Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	CONTACT HOURS	CIE	SEE	DURATION IN HOURS	Credits
Theory Courses										
1	SPC601IT	Block chain Technology	3			3	40	60	3	3
2	SPC602IT	Cloud Computing	3			3	40	60	3	3
3	SPC603IT	Cryptography and Network Security	3			3	40	60	3	3
4	PE-2	Professional Elective – 2	3	-		3	40	60	3	3
5	OE-1	Open Elective-1	3			3	40	60	3	3
Practical/Laboratory Courses										
6	SPC611IT	Block chain Technology Lab			2	2	40	60	3	1
7	SPC612IT	Cloud Computing Lab			2	2	40	60	3	1
8	SPC613IT	Full Stack Development Lab-2 (Angular Js,NodeJs, MongoDB , , VCS)		2	2	4	40	60	3	3
9	SPW611IT	Mini Project			2	2	40	60	3	1
10		Internship-2	The students have to undergo a Internship-2 of 6 week duration after VI-Semester SEE							
			15	2	8	25	360	540	27	21

SEMESTER - I

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/ Week	CIE	SEE	SEE Duration in Hours	
Theory Courses										
1	SBS101MT	Mathematics-I	3	1	-	4	40	60	3	4
2	SBS904CH	Chemistry	3	-	-	3	40	60	3	3
3	SES 101CS	Programming for Problem Solving	3	-	-	3	40	60	3	3
4	SES901EC	Basic Electrical and Electronics Circuits	3	-	-	3	40	60	3	3
5	SMC903CE	Environmental Science	2	0	-	2	40	60	3	0
6	SAC902IT	Design Thinking	2	0	-	2	50	-	0	0
Practical / Laboratory Courses										
7	SBS913CH	Chemistry Lab			4	4	40	60	3	2
8	SES915ME	Engineering Graphics & Design	1	-	4	5	40	60	3	3
9	SES911EC	Basic Electrical and Electronics Circuits Lab	-	-	4	4	40	60	3	2
10	SES111CS	Programming for Problem Solving Lab	-	-	4	4	40	60	3	2
		Credits	**11**			**34**	**410**	**540**	-	**22**

B. E . 4 Year (8 semesters) Regular Programme in
INFORMATION TECHNOLOGY
Course Structure
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Semester I

S. NO	Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	CONTACT HOURS	CIE	SEE	DURATION IN HOURS	Credits
Theory Courses										
1	SBS101MT	Mathematics-I	4			4	40	60	3	4
2	SES103EE	Fundamentals of Electrical Electronics Engineering	4			4	40	60	3	4
3	SBS902PH	Applied Physics	4			4	40	60	3	4
4	SES101IT	Programming for Problem Solving	3			3	40	60	3	3
Practical/Laboratory Courses										
5	SHS911EG	English Lab			2	2	40	60	3	1
6	SES113EE	Fundamentals of Electrical Electronics Engineering Lab			2	2	40	60	3	1
7	SBS912PH	Applied Physics Lab			2	2	40	60	3	1
8	SES111IT	Programming for Problem Solving Lab			4	4	40	60	3	2
9	SES914ME	Engineering Workshop			4	4	40	60	3	2
10	SHS916IT	Design Thinking			2	2	40	60	3	1
			15		16	31	400	600	30	23

B. E . 4 Year (8 semesters) Regular Programme in
INFORMATION TECHNOLOGY
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Semester II

S. NO	Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	CONTACT HOURS	CIE	SEE	DURATION IN HOURS	Credits
Theory Courses										
1	SBS202 MT	Mathematics-II	4			4	40	60	3	4
2	SES201IT	Data Structure	4			4	40	60	3	4
3	SBS904CH	Applied chemistry	4			4	40	60	3	4
4	SHS901EG	English	2	-		2	40	60	3	2
5	SHS902EG	Universal Human Values	2			2	40	60	3	2
Practical/Laboratory Courses										
6	SES211IT	Data Structures Lab			2	2	40	60	3	1
7	SBS914CH	Chemistry Lab			2	2	40	60	3	1
8	SES915ME	Engineering Graphics			4	4	40	60	3	2
9	SPW211IT	IDEA Lab			2	2	40	60	3	1
			16		10	26	360	540	27	21

B. E . 4 Year (8 semesters) Regular Programme in INFORMATION TECHNOLOGY
Course Structure
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Semester VII

S.NO	Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	CONTACT HOURS	CIE	SEE	DURATION IN HOURS	Credits
Theory Courses										
1	SPC701IT	Cyber Security and Digital Forensics	3			3	40	60	3	3
2	SPC702IT	DevOps	3			3	40	60	3	3
3	PE-4	Professional Elective – 3	3			3	40	60	3	3
4	PE-5	Professional Elective – 4	3	-		3	40	60	3	3
5	OE-2	Open Elective-2	3			3	40	60	3	3
Practical/Laboratory Courses										
6	SPC711IT	Cyber Security Lab Lab			2	2	40	60	3	1
7	SPC712 IT	DevOps Lab			2	2	40	60	3	1
8	SPW711IT	Project work -1			6	6	50		3	3
9	SPW712IT	Internship -2 (to be evaluated in 7th semester. To be carried out in summer after 6th semester))					50		3	1
			15		10	25	380	420	27	21

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Semester VIII

S.NO	Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	CONTACT HOURS	CIE	SEE	DURATION IN HOURS	Credits
Theory Courses										
1	OE-3	Open Elective-3	3			3	40	60	3	3
Practical/Laboratory Courses										
8	SPW811IT	Project work -2			16	16	40	120	3	8
			3		16	18	80	180	6	11

PC: Professional Course **PE:** Professional Elective **MC:** Mandatory Course

PW: Project Work **L:** Lecture **T:** Tutorial **P:** Practical **D:** Drawing

AU: Audit Course CIE: Continuous Internal Evaluation, **SEE:** Semester End Examination

Note:

1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

STANLEY COLLEGE OF ENGINEERING ANDTECHNOLOGY FOR WOMEN (AUTONOMOUS)

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(All eligible UG Courses are accredited by NBA & Accredited by NAAC with 'A' Grade)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

V SEM TIME TABLE (SECTION C) w.e.f. 08-11-2021

Room No.: C006

Day / Time	9:00 AM-10:00 AM	10:00 AM-11:00 AM	11:00 AM-12:00 PM	12:00 PM-1:00 PM	1:00 PM-1:30 PM	1:30 PM-2:30 PM	2:30 PM-3:30 PM
Monday	MPMC	AWP	DSP	ACS	LUNCH	SSP LAB / MPMC LAB	
Tuesday	DSP	DSP	SSP LAB / MPMC LAB			ACS	AC
Wednesday (Online)	AWP	AWP	AC	AC		TRAINING	
Thursday (Online)	AC	AC	AWP	ACS		TRAINING	
Friday	DSP	ACS	MINIPROJECT			MPMC	
Saturday	MPMC	AWP	MINIPROJECT			DSP	ACS

S.No.	Subject Code	Subject Name	Faculty Details		Department
1	PC 501 EC	Analog Communication (AC)	Mrs.Srilakshmi Ravali M. (9849384722)		ECE
2	PC 502 EC	Digital Signal Processing (DSP)	Dr. M. Kezia Joseph (9866104982)		ECE
3	PC 503 EC	Automatic Control Systems (ACS)	Mrs.Udayini Chandana (9885000969)		ECE
4	PC 504 EC	Antenna and Wave Propagation (AWP)	Dr. K. N. Sahu (9866512654)		ECE
5	PC 505 EC	Microprocessors and Microcontrollers	Mrs.G. Nirmala (9966364634)		ECE
6	PC551EC	Signals and System Processing (SSP) Lab	Mrs.Udayini Chandana (9885000969)	Dr. M. Kezia Joseph (9866104982)	ECE
7	PC552EC	Microprocessors and Microcontrollers (MPMC) Lab	Mrs.G. Nirmala (9966364634)		ECE
8	PC553EC	Mini Project			

Class Incharge: Mrs. Srilakshmi Ravali. M Class link: https://stanley1.swecha.org/b/drr-p5i-jll-mou

Prepared By:
Strategic Planning & Coordination Committee
Mrs. Lalitha Malladi
Mrs. Srilakshmi Ravali M.

HOD

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Tuesday	DSP	DSP	SSP LAB / MPMC LAB			ACS	AC
Wednesday (Online)	AWP	AWP	AC	AC		TRAINING	
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Tuesday	DSP	DSP	SSP LAB / MPMC LAB			ACS	AC
Wednesday (Online)	AWP	AWP	AC	AC		TRAINING	
Thursday (Online)	AC	AC	AWP	ACS		TRAINING	
Friday	DSP	ACS	MINIPROJECT			MPMC	
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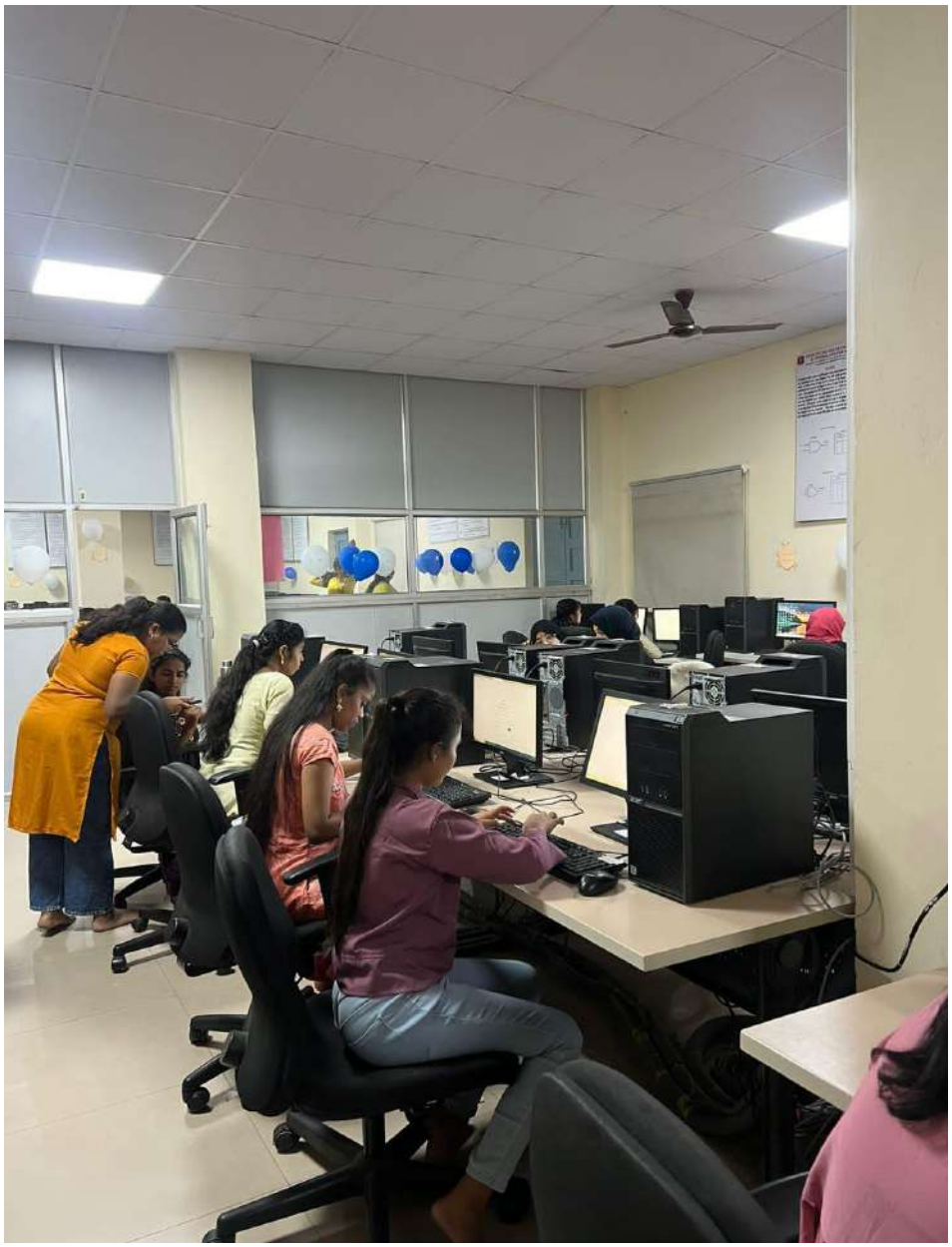
Hyderabad, India




GPS Map Camera
Hyderabad, Telangana, India
5-9-94, Chapel Rd, Bagher Complex, Fateh Maidan, Abids, Hyderabad, Telangana 500001, India
Lat 17.397283°
Long 78.473487°
19/09/23 12:04 PM GMT +05:30
Google


GPS Map Camera
Hyderabad, Telangana, India
5-9-94, Chapel Rd, Bagher Complex, Fateh Maidan, Abids, Hyderabad, Telangana 500001, India
Lat 17.397296°
Long 78.473491°
13/09/23 09:28 AM GMT +05:30
Google


GPS Map Camera
Hyderabad, Telangana, India
5-9-94, Chapel Rd, Bagher Complex, Fateh Maidan, Abids, Hyderabad, Telangana 500001, India
Lat 17.397261°
Long 78.473512°
12/09/23 10:12 AM GMT +05:30
Google


GPS Map Camera
Hyderabad, Telangana, India
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Lat 17.397261°
Long 78.473512°
12/09/23 10:10 AM GMT +05:30
Google

DC ASSIGNMENT - 1

UNIT - 1

A. Sahithi
IT-B
160619737054

1,4) Distinguish LAN and WAN

Ans:- LAN: A local area network privately owned & links devices in a single office, building or campus.

→ It is size limited to only a few kms.

→ Allows resources to be shared between personal computers or workstations like pointer (hardwares), data or application program (software).

WAN: A Wide Network provides long distance transmission of data, image, audio & video info over large geographic areas that may comprise a country, a consistent or even whole world.

→ Implemented using circuit switching, packet switching & frame relay, ATM network.

2) Define protocol.

Ans: A protocol is a set of rules that govern data communications. It defines what is communicated, how it is communicated & when it is communicated. The key elements are:

→ Syntax: structure / format of data

→ Semantics: Meaning of each section of data i.e. interprets bits.

→ Timing: Refers to 2 characteristics, when data should be sent and how fast they can be sent.

3) Define pear process.

Ans: The process of communication between devices at a given layer or same level is called "pear-to-pear process".

Eg: pear-to-pear protocol in OSI model layer.

5) short note on circuit switching vs packet switchig.

Ans: circuit switching: In this a dedicated communication path

is established b/n stations through nodes of network.
→ Resources is reversed before transfer of data.
→ path is connected sequence of physical links b/n nodes at each node data is sent ~~in sequence of~~ or routed to destination.
Eg: Telephone network

Packet switching: The data is sent in sequence of small chunks called packets.
→ These packets of data are transferred from node to node b/n source & destination.
→ At each node the entire packet is received, stored briefly & transmitted to next node.
Eg: Terminal-to-computer, computer-computer communication.

6) What are advantages of layering.
Ans: → Layering in n/w protocols helps complex tasks to get done easily as they simplify by breaking into smaller & measurable units.
→ If one network fails at a layer it does not affect other layers.
→ By layering, protocols can be designed for interoperability b/n the systems.
→ Each layer has their own functionality.

7) List functions of physical layer.
Ans: → Representation & Transmission of bits
→ Synchronization of bits
→ Line configuration → physical topology
→ Data rate → Transmission mode

8) List functions of Data link layer.
Ans:- → physical addressing → Framing → Access control

→ Flow control → Error control

→ Transforms physical link to reliable link by adding trailer.

9) List functions of Network layer.

Ans: → Logical addressing

→ Responsible for source-to-destination delivery of packet, across multiple networks.

→ Routing: connecting devices in interworks are called routers or switches that route the packets to their final destination.

10) List functions of Transport layer.

Ans: → service point addressing

→ segmentation of reassembly → Flow control

→ connection control → Error control

→ Responsible for 'process - to- process' delivery of entire message.

11) List functions of session layer.

Ans: → Dialog control

→ synchronization: Adds checkpoints or synchronization points to a stream of data.

→ It establishes, maintains & synchronizes the interaction b/n communicating systems.

12) List functions of presentation layers.

Ans: → Translation: provides interoperability b/n diff encoding systems.

→ Encryption: To ensure privacy of sensitive data.

→ compression: Reduces no. of bits in information.

→ changes the look of particular data.

LAQ's:

1) Explain protocol architecture of ISO-OSI model.

Ans: The International standards organization (ISO), introduced OSI model in 1970's that covers all aspects of network communication.

→ open systems interconnection is a model for understanding & designing a network architecture that is flexible, robust & interperable.

Layered architecture of OSI: OSI model of composed of 7 layers & each layer defines functions distinct from those of other layers.

→ Allows complete interoperability b/n otherwise incomplete systems.

a) physical layer: It defines the characteristics of interface b/n devices & transmission media.

→ Consists of stream of bits which are transmitted one heap to next & before transmitted they are encoded into signals.

→ Transmission rate (no. of bits ~~which are transmitted one~~ sent each second) is defined by this layer.

b) Data-Link layer: This layer divides the stream of bits received from network layer into managable data units called 'frames'.

→ Responcible for physical addressing. It adds a 'header' to frame to define sender & receiver of the frame.

→ Responsible for transforming physical layer into reliable link by addressing / adding 'trailer' to detect & retransmit last frames.

c) Network layer: Responsible for source-to-destination delivery of a packet, across multiple networks. If two systems are connected to same link, there is no need for network layer.

d) Transport layer: Responsible for process-to-process delivery of entire message. The header includes a type of address called service point address or port address.

→ In this layer, message is divided into transmittable segments, each of them contain a sequence number. The sequence no. enables transport layer to reassemble the message upon reaching destination.

e) Session layer: It is a network dialog controller.

→ It establishes, maintains & synchronizes the interaction b/w communication systems.

f) Presentation layer: This layer is concerned with syntax and semantics of information.

→ This layer at sender changes data from sender dependent format to common format and at receiving machine it is changed from common format to receiver dependent format. This is called translation.

g) Application layer: This layer enables the user, when human or software try to access the network.

→ It provides user interfaces & supports services such as electronic mail, remote file access & transfer, shared database management & directory services.

2) Explain protocol architecture of Tcp/Ip protocol suite.

Ans:- Transmission control protocol/ Internetworking protocol was developed prior to OSI model.

→ This suite is made of 5 layers.

→ The layer of Tcp/Ip contain relatively independent protocols that can be mixed & matched depending on needs of systems.

1/2) physical & Data link layer: It does not define any specific protocol at these 2 layers. It supports all standard & proprietary protocols.

→ The network can be a LAN or a WAN.

Network Layer: supports Internetworking ~~protocol, which~~ inter-connecting & connectionless protocol- a best effort delivery service.

3) Network layer: supports internetworking protocol, which inturn uses of 4 supporting protocols.

(i) Internetworking protocol (IP)
(ii) Address Revolution (ARP)
(iii) Reverse Address Revolution (RARP)
(iv) Internet Group Message protocol (IGMP)
(v) Internet control Message protocol (ICMP).

4) Transport layers: Represented in TCP/IP by 3 protocols.

(i) User Datagram protocol (UDP)
(ii) Transmission control protocol (TCP)
(iii) stream control Transmission protocol (~~ICMP~~) (SCTP)

5) Application Layer: It is combined layer of session, presentation and application layers in OSI model.

(i) simple Mail transfer protocol (SMTP) (ii) File Transfer protocol (FTP)
(iii) Hyper Text Transfer protocol (HTTP) (iv) Domain Name sener (DNS)
(v) Simple Network Management protocol (SNMP)
(vi) Terminal Network (TELNET)

3) Differentiate OSI model & TCP/IP protocol suite.

Ans:-

OSI Model	TCP/IP protocol suite
→ Open System Interconnection.	→ Transmission control protocol/ Internnetwork protocol.
→ Developed by Iso.	→ Developed prior to OSI by ARPANET.
→ It is a model for computer protocol architecture & as a framework for developing protocol standards.	→ It is a hierarchial protocol made up of interactive modules, each of which provide a specific functionality.
→ The intent of OSI model is that protocols be developed to perform the functions of each layer.	→ The layers of Icp/Ip contain relatively independent protocols that can be mixed & matched depending on needs of system.
→ It has 7 layers.	→ It has 5 layers.
→ Follows a vertical approach.	→ Follows a horizontal approach.
→ The transport layer provides a guarantee for delivery of packets. The network layer provides both connection oriented and connectionless service.	→ The transport layer doesn't provide surity for delivery of datagrams. The network layer provides only connectionless service.
→ The usuage of this model is very low because its complex with 7 layers.	→ Usuage of this model is very high and is a more practical model.
→ More complexity due to more no. of layers.	→ Less complexity due to less no. of layers.
→ OSI model does not uses the services of other models.	→ It uses services of physical & data link layers of OSI model.

4) Explain data communication networking.

Ans: Data communication Networking: A Network is a set of devices connected by media links. A node can be computer, printer, etc.

→ There are 3 categories of networks: LAN, WAN, MAN.
The network category is determined by its size.

(i) Local Area Network (LAN): It is usually privately owned & links the devices ~~connected by media links~~. a single office, building or campus.
→ A given LAN will only use 1 type of transmission media.
→ The most common LAN topologies are bus, ring, star.
→ The data rate in early LAN's had 4 to 16 megabits per bits (Mbps) range. Today, the speeds are normally 100 to 1000 Mbps.

(ii) Wide Area Network (WAN): A WAN provides long distance transmission of data, image, audio & video information over large geographic areas that may comprise a country, a continent or even whole world.
→ Switched WAN connects the end systems which usually comprise a router that connects to another LAN or WAN.
→ A point-to-point WAN is ~~usually~~ normally a line leased from a telephone or cable TV provider that connects a home computer or a small LAN to an Internet service provider (ISP). This type of WAN is used to provide Internet access.
→ WAN's have been implemented using one of 2 technologies; circuit switching & packet switching.
→ Recently, frame replay & ATM networks have been playing major roles.

(iii) Metropolitan Area Network (MAN): It is a network with a size b/n a LAN & a WAN.
→ It normally covers an area inside a town/city.
→ It is designed for customers who need high-speed connectivity normally to Internet & have end points spread over a city.
→ A good example is telephone company network that can provide a high speed DSL line to customer.

Stanley College of Engineering and Technology for Women

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(Accredited by NAAC with "A" Grade, Accredited by NBA)
ABIDS, HYDERABAD-500001

Internal Quality Assurance Cell

Date:8.1.2024

Summary Report on Fieldwork A -Sec

Department	Information Technology
Semester	Even
Batch/Team Size	1
Name of the Organization (if any)	Stanley College of Engineering and Technology for Women
Start Date:	End Date:24.12.2022

Details of Fieldwork & Evaluated

S.No.	Session	Name of the Supervisor/Guide	Title	No. of Fieldwork/Internship/Mini Projects/Main Projects	
				Supervised	Evaluated
1.	2021-2022		Cryptocurrency	62	Dr.G.Sreelatha(Associate Professor) Ms. Naheed Sultana(Assistant Professor) Ms. Ch. Srilatha(Assistant Professor)
2.	2021-2022		Impact Of Technology On Employement In Indian Manufacturing		
3.	2021-2022		It Domains		
4.	2021-2022		Health Care System		
5.	2021-2022		Impact Of Technology On Employement In Indian Manufacturing		
6.	2021-2022		Blockchain		
7.	2021-2022		Blockchain		
8.	2021-		Machine		

	2022		Learning & Natural Learning Processing		
9.	2021-2022		Environment Pollution		
10.	2021-2022		Artifical Intellegence & Speech Processing		
11.	2021-2022		Impact Of Technology On Employement In Indian Manufacturing		
12.	2021-2022		Environment Pollution		
13.	2021-2022		Environment Pollution		
14.	2021-2022		Artifical Intellegence & Speech Processing		
15.	2021-2022		Augmented Reality And Virtual Reality		
16.	2021-2022		Data Science And Robotics		
17.	2021-2022		Integrated Organic Farming		
18.	2021-2022		Bitcoin		
19.	2021-2022		Environment Pollution		
20.	2021-2022		Natural Farming		
21.	2021-2022		Machine Learning With Python		
22.	2021-2022		Machine Learning & Natural Language Processing		
23.	2021-2022		IT Domains		
24.	2021-2022		Artifical Intellegence & Speech		

			Processing		
25.	2021-2022		Machine Learning & Natural Learning Processing		
26.	2021-2022		Ecological Farming		
27.	2021-2022		Impact Of Technology On Employement In Indian Manufacturing		
28.	2021-2022		Oragnic Framing		
29.	2021-2022		Artifical Intellegence & Speech Processing		
30.	2021-2022		Artifical Intellegence & Speech Processing		
31.	2021-2022		Pure Organic Farming		
32.	2021-2022		Machine Learning & Natural Language Processing		
33.	2021-2022		Machine Learning & Natural Language Processing		
34.	2021-2022		Machine Learning & Natural Language Processing		
35.	2021-2022		Internet Of Things		
36.	2021-2022		Machine Learning With Python		
37.	2021-2022		Machine Learning With Python		
38.	2021-2022		Machine Learning With		

			Python		
39.	2021-2022		Biological Farming		
40.	2021-2022		Data Science And Robotics		
41.	2021-2022		Digitally Secure Voting Using MIT Aap Inverter		
42.	2021-2022		Impact Of Technology On Employement In Indian Manufacturing		
43.	2021-2022		Health System		
44.	2021-2022		IT Domains		
45.	2021-2022		Digitally Secure Voting Using MIT Aap Inverter		
46.	2021-2022		IT Domains		
47.	2021-2022		IT Domains		
48.	2021-2022		IT Domains		
49.	2021-2022		IT Domains		
50.	2021-2022		Augmented Reality And Virtual Reality		
51.	2021-2022		Environment Pollution		
52.	2021-2022		Environment Pollution		
53.	2021-2022		Health Care System In India		
54.	2021-2022		Digitally Secure Voting Using MIT Aap Inverter		
55.	2021-2022		Augmented Reality And Virtual Reality		
56.	2021-2022		Augmented Reality And Virtual Reality		

57.	2021-2022		Blockchain		
58.	2021-2022		Augmented Reality And Virtual Reality		
59.	2021-2022		Health Care System In India		
60.	2021-2022		IT Domains		
61.	2021-2022		Crypto Currency		
62.	2021-2022		IT Domains		

(Name & Signature)
Ms. Hajera Subhani

(Name & Signature)
Dr. B. Srinivasu

IQAC Coordinator
(Name & Signature)

IQAC Chairperson
(Name & Signature)

Stanley College of Engineering and Technology for Women

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ABIDS, HYDERABAD-500001

Internal Quality Assurance Cell

Date:8.1.2024

Summary Report on Fieldwork-B Sec

Department	Information Technology
Semester	Even
Batch/Team Size	1
Name of the Organization (if any)	Stanley College of Engineering and Technology for Women
Start Date:	End Date:24.12.2022

Details of Fieldwork Supervised & Evaluated

S.No.	Session	Name of the Supervisor/Guide	Title	No. of Fieldwork/Internship/Mini Projects/Main Projects	
				Supervised	Evaluated
1.	2021-2022	Dr. B. Srinivasu	Ancient Architecture Golconda	58	Mrs. K. Nagamani(Assistant Professor) Ms. Hajera Subhani(Assistant Professor) Ms. J.Sumedha(Assistant Professor)
2.	2021-2022	Dr. B. Srinivasu	Health Care System		
3.	2021-2022	Dr. B. Srinivasu	Visit To An Oldage Home(Sai Chaitanya Oldagr Home Moosarambagh)		
4.	2021-2022	Dr. B. Srinivasu	Science & Technology (Dscs)		
5.	2021-2022	Dr. B. Srinivasu	Visit To An Oldage Home(Sai Chaitanya Oldage Home Moosarambagh)		

6.	2021-2022		Health Care Professional And Systems		
7.	2021-2022		Ancient Architecture Thousand Pillar Temple		
8.	2021-2022		Ancient Architecture Thousand Pillar Temple		
9.	2021-2022		Health Care Professional And Systems		
10.	2021-2022		Ancient Architecture		
11.	2021-2022		Ancient Architecture		
12.	2021-2022		Machine Learning		
13.	2021-2022		Health Care		
14.	2021-2022		Natural Language Processing And Cloud Computing		
15.	2021-2022		Organic Farming		
16.	2021-2022		Organic Farming		
17.	2021-2022		Health Care		
18.	2021-2022		Organic Farming		
19.	2021-2022		Visit To An Oldage Home(Sai Chaitanya Oldagr Home Moosarambagh)		
20.	2021-2022		Ancient Architecture		
21.	2021-2022		Agriculture In India(Visited Village Nagireddy Palli)		
22.	2021-2022		Organic Farming		

3.	2021-2022		Organic Farming		
4.	2021-2022		Ancient Architecture Charminar		
25.	2021-2022		Visit To An Oldage Home(Sai Chaitanya Oldagr Home Moosarambagh)		
26.	2021-2022		Health Care Professional And Systems		
27.	2021-2022		Visit To An Oldage Home(Sai Chaitanya Oldagr Home Moosarambagh)		
28.	2021-2022		Consultancy Aap Using MIT Aap Inventer		
29.	2021-2022		Science & Technology (Dscs)		
30.	2021-2022		Visit To An Oldage Home(Sai Chaitanya Oldagr Home Moosarambagh)		
31.	2021-2022		Data Science And Cyber Security		
32.	2021-2022		Consultancy Aap Using MIT Aap Inventer		
33.	2021-2022		Agriculture In India(Visited Village Nagireddy Palli)		
34.	2021-2022		Visit To An Oldage Home(Sai Chaitanya Oldagr Home Moosarambagh)		
35.	2021-		Science &		

	Technology (Aiml)		
	Ancient Architecture		
	Health Care(Diabetes)		
	Ancient Architecture Thousand Pillar Temple		
	Agriculture In India(Visited Village Nagireddy Palli)		
	Visit To An Oldage Home(Sai Chaitanya Oldagr Home Moosarambagh)		
	Machine Learning And Natural Language Processing		
	Agriculture In India(Visited Village Nagireddy Palli)		
	Machine Learning		
	Health Care Covid-19		
	Agriculture In India(Visited Village Nagireddy Palli)		
	Ancient Architecture Thousand Pillar Temple		
	Ancient Architecture		
	Health Care Covid-19		
	Health Care		

	2022		Technology (Aiml)		
36.	2021-2022		Ancient Architecture		
37.	2021-2022		Health Care(Diabetes)		
38.	2021-2022		Ancient Architecture Thousand Pillar Temple		
39.	2021-2022		Agriculture In India(Visited Village Nagireddy Palli)		
40.	2021-2022		Visit To An Oldage Home(Sai Chaitanya Oldagr Home Moosarambagh)		
41.	2021-2022		Machine Learning And Natural Language Processing		
42.	2021-2022		Agriculture In India(Visited Village Nagireddy Palli)		
43.	2021-2022		Machine Learning		
44.	2021-2022		Health Care Covid-19		
45.	2021-2022		Agriculture In India(Visited Village Nagireddy Palli)		
46.	2021-2022		Ancient Architecture Thousand Pillar Temple		
47.	2021-2022		Ancient Architecture		
48.	2021-2022		Health Care Covid-19		
49.	2021-2022		Health Care Professional		

			And Systems		
50.	2021-2022		Science And Technology (Datacience And Cyber Security)		
51.	2021-2022		Consultancy Aap Using MIT Aap Inventer		
52.	2021-2022		Science And Technology (AIML)		
53.	2021-2022		Datacience And Cyber Security		
54.	2021-2022		Science And Technology (AIML)		
55.	2021-2022		Ancient Architecture		
56.	2021-2022		Ancient Architecture Charminar		
57.	2021-2022		Machine Learning		
58.	2021-2022		Visit To An Oldage Home(Sai Chaitanya Oldagr Home Moosarambagh)		

Coordinator
(Name & Signature)
Ms. Hajera Subhani

Head
(Name & Signature)
Dr. B. Srinivasu

IQAC Coordinator
(Name
(Name & Signature)

&

IQAC Chairperson
Signature)

Note: Maintain separate reports for Fieldwork/Internship/Mini Projects/Main Projects.

Stanley College of Engineering and Technology for Women

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ABIDS, HYDERABAD-500001

Internal Quality Assurance Cell

Date:10/1/24

Summary Report on Main Projects

Department	IT
Semester	Odd/Even
Batch/Team Size	3
Name of the Organization (if any)	NILL
Start Date:15/04/2022	End Date:06/05/2023

Details of Fieldwork/Internship/Mini Projects/Main Projects Supervised & Evaluated

S.No.	Session	Name of the Supervisor/ Guide	Title	No. of Fieldwork/Internship/Mini Projects/Main Projects	
				Supervised	Evaluated
1	22-23	MrT.Sandeep	1.Comparison of ML algorithms used for human detection 2.Text Summarization For Telugu Documents 3.Leave and permission management system for students and faculty	3	PRC+INTERNAL GUIDE
2	22-23	Niharika	1.Phishing Websites detection using machine learning 2.Student Result Management and Faculty Feedback system using MERN stack and PowerBI	2	PRC+INTERNAL GUIDE
3	22-23	Dr.B.Srinivasu	1.multilingual translator and transliterator	12	PRC+INTERNAL GUIDE

				2.Conversion of scanned documents to text documents 3.Cyberbullying Detection on Social Media Using Machine Learning 4.Dynamic Virtual Asistance for Educational Institutions 5.Signboard translator for tourism 6.Food Wastage Reduction APP Development 7.Customer churn prediction 8.Stock Market Prediction 9.Speech emotion recognition using deep learning 10.Detecting Suspicious File Migration or Replication in the Cloud 11.A Game-based app for teaching mathematical skills for Autistic Children 12.Multimodal fusion of fake news detection		
	4	22-23	Vishalini krishnan	1.Conversion of sign language to text and vice versa 2.Audio to sign language using nlp	2	PRC+INTERNAL GUIDE
	5	22-23	DR.G Sreelatha	1.IOT BASED AIR POLLUTION MONTORING SYSTEM 2.Authorized Parking System using Arduino and IoT 3.Secure Cloud Storage Based On RLWE 4.Cyber Bullying Intensity And Category Prediction Of Tweets	3	PRC+INTERNAL GUIDE
	6	22-23	Ms J Sumedha	1.commercial crop monitoring system	2	PRC+INTERNAL GUIDE

		latha	1.predicting stock markets trends using machine learning 2.Price prediction of digital currency 3.Fake User Identification on Social Networks 4.Improving Lung cancer prediction from CT scan images using Dynamic Deep neural networks 5.Loan Eligibility prediction 6.unlocking the potential of machine learning for accurate diagnosis of breast cancer	6	PRC+INTERNAL GUIDE
8	22-23	Mrs.T C Swethapriya	1. Text Encryption using Rsa Algorithm 2. Signature verification system 3. Placement management System	3	PRC+INTERNAL GUIDE
9	22-23	Ms. Hajera Subhani	1. Weapon detection using Deep learning 2. Student performance analysis	2	PRC+INTERNAL GUIDE
10	22-23	Ms. Naheed Sultana	1.Image Orator 2. Web application for attendance management system	2	PRC+INTERNAL GUIDE

Coordinator
(Ms.J.Sumedha)

Head
Dr B.Srinivasu

IQAC Coordinator
(Name & Signature)

IQAC Chairperson
(Name & Signature)

Stanley College of Engineering and Technology for Women

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Chapel Road, Abids, Hyderabad – 500 001

Department of Information Technology

STANFEST 2K23

EVENT REPORT

<table>
<tr><td>Name of the Event</td><td colspan="3">Logo design & Short Film Making Contest</td></tr>
<tr><td>Type of Activity</td><td colspan="3">Non Technical Event</td></tr>
<tr><td>Date & Time
Venu</td><td>Date :
28-04-2023</td><td>Time :
10:00 to 12:00 p.m</td><td>Venue
C Block : Lab 3 & 4</td></tr>
<tr><td>Details of Participants</td><td colspan="3">
Logo Designing Contest:
<table>
<tr><th>S.No</th><th>Name</th><th>Year/Sec</th></tr>
<tr><td>1</td><td>Aitipamula Lipika</td><td>ECE-A</td></tr>
<tr><td>2</td><td>Khutheja Iram</td><td>I / IT-A</td></tr>
<tr><td>3</td><td>Saniya Afreen</td><td>I / IT-A</td></tr>
<tr><td>4</td><td>A.Neelu</td><td>I / IT-A</td></tr>
<tr><td>5</td><td>T.Sri Harshitha</td><td>I / IT-A</td></tr>
<tr><td>6</td><td>Badha Brindha</td><td>I / IT-A</td></tr>
<tr><td>7</td><td>K.Kavya</td><td>I / IT-A</td></tr>
<tr><td>8</td><td>B.Manvitha Sen</td><td>III / IT-B</td></tr>
</table>
Short Film Contest:
<table>
<tr><th>S.No</th><th>Name</th><th>Year/Sec</th></tr>
<tr><td>1</td><td>Raj Kumar Reddy</td><td>2nd IT(CBIT)</td></tr>
<tr><td rowspan="3">2</td><td>Kagithala Anjali</td><td>2nd IT</td></tr>
<tr><td>K.Alankruthi</td><td>2nd IT</td></tr>
<tr><td>Thokati Soumya</td><td>2nd IT</td></tr>
<tr><td rowspan="2">3</td><td>Maheshwari Balam</td><td>3rd EEE</td></tr>
<tr><td>Vulpee Harini</td><td>3rd EEE</td></tr>
</table>
</td></tr>
<tr><td>Faculty and Student Coordinator(s)</td><td colspan="3">
Faculty Coordinators :
Dr. Y.L.Malathi Latha
Mrs. T.C. Swetha Priya
Student Coordinators :
B Ankitha (II - A)
M Sravya Reddy (II -B)
Suchitha Kamarapu (III -A)
P Anshu (III -B)
</td></tr>
</table>

<table>
<tr><td></td><td>Niradi Preethi (III -A)</td></tr>
<tr><td>Judges</td><td>Dr. B Srinivasu, HOD, IT</td></tr>
<tr><td>Description (min. 100 words)</td><td>Logo Design contest is all about designing the logos for dream company, college or any idea based on the choice of participants.All students who are interested have sent their logos to stanfest2k23_it@stanley.edu.in .
All the students have come and presented their logo design ideas in front of coordinators and Judge.

Short Film Making contest is all about Creating short film based on the theme “Empower Women, Empower World”. All students whoever are interested have sent their short films to stanfest2k23_it@stanley.edu.in .
All the students have come and presented their Short films in front of coordinators and Judge.

Out of all participants the following are selected as I and II Prize winners.

<table>
<tr><th>Event Name</th><th>I Prize</th><th>II Prize</th><th>III Prize</th></tr>
<tr><td>Logo Design</td><td>B. Manvitha Sen (III Year IT B, SCETW)</td><td>Khuteja Iram (I Year , IT)</td><td>K. Kavya</td></tr>
<tr><td>Short Film Making</td><td>Raj Kumar Reddy (II Year IT, CBIT)</td><td>Alankritha K and group Maheshwari B nd Group</td><td>-</td></tr>
</table>
</td></tr>
<tr><td>Photos</td><td>  </td></tr>
</table>

	 
	 

Event Coordinators **HOD**

Mrs T C Swetha Priya
Dr. Y L Malathi Latha

FACULTY OF ENGINEERING
Scheme of Instructions
For
Four Year Degree Programme of Bachelor of Engineering (B.E)

in

INFORMATION TECHNOLOGY

(Accredited by NBA)

(With effect from the academic year 2023-24)

(Approved by College Academic Council on -- -- ----)

Empower Women – Impact the World

Stanley College of Engineering and Technology for Women (Autonomous)

(Affiliated to Osmania University)

(Accredited by NAAC with "A" Grade)

Abids, Hyderabad – 500 001, Telangana.

B. E . 4 Year (8 semesters) Regular Programme in
INFORMATION TECHNOLOGY
Course Structure
(Applicable for the Batch admitted from the Academic Year 2023-24)

Semester I

S. NO	Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	CONTACT HOURS	CIE	SEE	DURATION IN HOURS	Credits
Theory Courses										
1	SBS101MT	Mathematics-I	4			4	40	60	3	4
2	SES103EE	Fundamentals of Electrical Electronics Engineering	4			4	40	60	3	4
3	SBS902PH	Applied Physics	4			4	40	60	3	4
4	SES101IT	Programming for Problem Solving	3			3	40	60	3	3
Practical/Laboratory Courses										
5	SHS911EG	English Lab			2	2	40	60	3	1
6	SES113EE	Fundamentals of Electrical Electronics Engineering Lab			2	2	40	60	3	1
7	SBS912PH	Applied Physics Lab			2	2	40	60	3	1
8	SES111IT	Programming for Problem Solving Lab			4	4	40	60	3	2
9	SES914ME	Engineering Workshop			4	4	40	60	3	2
10	SHS916IT	Design Thinking			2	2	40	60	3	1
			15		16	31	400	600	30	23

B. E . 4 Year (8 semesters) Regular Programme in
INFORMATION TECHNOLOGY
Course Structure
(Applicable for the Batch admitted from the Academic Year 2023-24)

Semester II

S. NO	Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	CONTACT HOURS	CIE	SEE	DURATION IN HOURS	Credits
Theory Courses										
1	SBS202 MT	Mathematics-II	4			4	40	60	3	4
2	SES201IT	Data Structure	4			4	40	60	3	4
3	SBS904CH	Applied chemistry	4			4	40	60	3	4
4	SHS901EG	English	2	-		2	40	60	3	2
5	SHS902EG	Universal Human Values	2			2	40	60	3	2
Practical/Laboratory Courses										
6	SES211IT	Data Structures Lab			2	2	40	60	3	1
7	SBS914CH	Chemistry Lab			2	2	40	60	3	1
8	SES915ME	Engineering Graphics			4	4	40	60	3	2
9	SPW211IT	IDEA Lab			2	2	40	60	3	1
			16		10	26	360	540	27	21

B. E . 4 Year (8 semesters) Regular Programme in
INFORMATION TECHNOLOGY
Course Structure
(Applicable for the Batch admitted from the Academic Year 2023-24)

Semester III

S. NO	Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/ P	CONTACT HOURS	CIE	SEE	DURATION IN HOURS	Credits
Theory Courses										
1	SPC301IT	Discrete Mathematics & Graph Theory	3			3	40	60	3	3
2	SPC302IT	OOPs using JAVA	3			3	40	60	3	3
3	SPC303IT	Database Management Systems	3			3	40	60	3	3
4	ES302EC	*Digital Electronics*	3	-		3	40	60	3	3
5	SPC304IT	Computer Architecture and Organization	3			3	40	60	3	3
6	SAU903CH	Environmental Science	2			2	50		2	0
Practical/Laboratory Courses										
7	SPC311IT	OOPs using JAVA			2	2	40	60	3	1
8	SPC312IT	Database Management Systems Lab			2	2	40	60	3	1
9	ES312EC	D*i*gital Electronics Lab			2	2	40	60	3	1
10	SPC313IT	IT Work Shop			2	2	40	60	3	1
			17		8	25	410	540	29	19

B. E . 4 Year (8 semesters) Regular Programme in
INFORMATION TECHNOLOGY
Course Structure
(Applicable for the Batch admitted from the Academic Year 2023-24)

Semester IV

S. NO	Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	CONTACT HOURS	CIE	SEE	DURATION IN HOURS	Credits
Theory Courses										
1	SBS401MT	Mathematics-III	4			4	40	60	3	4
2	SHS901BM	Managerial Economics and Financial Accountancy	4			4	40	60	3	4
3	SPC401IT	Operating Systems	3			3	40	60	3	3
4	SPC402IT	Data Communication and Computer Networks	3	-		3	40	60	3	3
5	SES401EC	Microprocessor and Microcontrollers	3			3	40	60	3	3
6	SMC901HS	Indian Constitution	2			2	40	60	2	0
Practical/Laboratory Courses										
7	SPC411IT	OS &CN Lab			2	2	40	60	3	1
8	SES411EC	Micro processor Lab			2	2	40	60	3	1
9	SPC412IT	Python Programming Lab		2	2	4	40	60	3	3
10	SHS912EG	Advanced Communication Skills lab			2	2	40	60	2	1
11		Internship-1	(to be evaluated in 5th semester. To be carried out in summer after 4th semester))							
			19	2	8	29	400	600	28	23

B. E . 4 Year (8 semesters) Regular Programme in
INFORMATION TECHNOLOGY
Course Structure
(Applicable for the Batch admitted from the Academic Year 2023-24)

Semester V

S.NO	Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	CONTACT HOURS	CIE	SEE	DURATION IN HOURS	Credits
Theory Courses										
1	SPC501IIT	Automata Theory and Compiler Design	3			3	40	60	3	3
2	SPC502IT	Design and Analysis of Algorithms	3			3	40	60	3	3
3	SPC503IT	Internet of Things	3			3	40	60	3	3
4	SPC504IT	Software Engineering	3	-		3	40	60	3	3
5	PE-1	Professional Elective -1	3			3	40	60	3	3
Practical/Laboratory Courses										
6	SPC511IT	Internet of Things Lab			2	2	40	60	3	1
7	SPC 512IT	DAA Lab			2	2	40	60	3	1
8	SPC513IT	Full Stack Development Lab-1 (HTML,CSS, Bootstrap, JS, ReactJS)		2	2	4	40	60	3	3
9	SPW501IT	Internship -1 (to be evaluated in 5ih semester. To be carried out in summer after 4 th semester))					50	-	3	1
			15	2	6	23	370	480	27	21

B. E . 4 Year (8 semesters) Regular Programme in
INFORMATION TECHNOLOGY
Course Structure
(Applicable for the Batch admitted from the Academic Year 2023-24)

Semester VI

S. NO	Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	CONTACT HOURS	CIE	SEE	DURATION IN HOURS	Credits
Theory Courses										
1	SPC601IT	Block chain Technology	3			3	40	60	3	3
2	SPC602IT	Cloud Computing	3			3	40	60	3	3
3	SPC603IT	Cryptography and Network Security	3			3	40	60	3	3
4	PE-2	Professional Elective – 2	3	-		3	40	60	3	3
5	OE-1	Open Elective-1	3			3	40	60	3	3
Practical/Laboratory Courses										
6	SPC611IT	Block chain Technology Lab			2	2	40	60	3	1
7	SPC612IT	Cloud Computing Lab			2	2	40	60	3	1
8	SPC613IT	Full Stack Development Lab-2 (Angular Js,NodeJs, MongoDB , , VCS)		2	2	4	40	60	3	3
9	SPW611IT	Mini Project			2	2	40	60	3	1
10		Internship-2	The students have to undergo a Internship-2 of 6 week duration after VI-Semester SEE							
			15	2	8	25	360	540	27	21

B. E . 4 Year (8 semesters) Regular Programme in
INFORMATION TECHNOLOGY
Course Structure
(Applicable for the Batch admitted from the Academic Year 2023-24)

Semester VII

S.NO	Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/ P	CONTACT HOURS	CIE	SEE	DURATION IN HOURS	Credits
Theory Courses										
1	SPC701IT	Cyber Security and Digital Forensics	3			3	40	60	3	3
2	SPC702IT	DevOps	3			3	40	60	3	3
3	PE-4	Professional Elective – 3	3			3	40	60	3	3
4	PE-5	Professional Elective – 4	3	-		3	40	60	3	3
5	OE-2	Open Elective-2	3			3	40	60	3	3
Practical/Laboratory Courses										
6	SPC711IT	Cyber Security Lab Lab			2	2	40	60	3	1
7	SPC712 IT	DevOps Lab			2	2	40	60	3	1
8	SPW711IT	Project work -1			6	6	50		3	3
9	SPW712IT	Internship -2 (to be evaluated in 7th semester. To be carried out in summer after 6th semester))					50		3	1
			15		10	25	380	420	27	21

B. E . 4 Year (8 semesters) Regular Programme in INFORMATION TECHNOLOGY
Course Structure
(Applicable for the Batch admitted from the Academic Year 2023-24)

Semester VIII

S.NO	Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	CONTACT HOURS	CIE	SEE	DURATION IN HOURS	Credits
Theory Courses										
1	OE-3	Open Elective-3	3			3	40	60	3	3
Practical/Laboratory Courses										
8	SPW811IT	Project work -2			16	16	40	120	3	8
			3		16	18	80	180	6	11

PC: Professional Course **PE:** Professional Elective **MC:** Mandatory Course

PW: Project Work **L:** Lecture **T:** Tutorial **P:** Practical **D:** Drawing

AU: Audit Course CIE: Continuous Internal Evaluation**,** **SEE:** Semester End Examination

Note:

1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

Micro/Minor Specialization

Thread Name	PE-1	PE-2	PE-3	PE-4
Subject Code	SPE501IT	SPE601IT	SPE701IT	SPE702IT
AI&ML	Artificial Intelligence	Machine Learning	Natural Language Processing	Deep Learning
Data Engineers	Data Exploration and Visualization	No- SQL Databases	Data Analysis	Text and Speech Analysis
Cyber Security and Data Privacy	Digital & Mobile Forensics	Web Application Security	Crypto currency and Blockchain Technologies	Security and Privacy in Cloud
Software Engineering	Object Oriented Analysis and Design	Software Testing Methodologies	Scalable Services	Agile Software Processes
Miscellaneous	Principles of Programming Languages	Advanced Python	Augmented Reality/Virtual Reality	UI & UXTechnologies

Comparison between AICTE Model curriculum CSE and Stanley IT Proposed

S. No	Category	Credits breakup for		
		AICTE -CSE	Stanley-IT (present)	Stanley - IT(new)
1.	Humanities and Social Sciences including Management courses	9.8 %(16)	5% (08)	7% (11)
2.	Basic Science courses	14.11% (23)	13.75% (22)	13.75% (22)
3.	Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc.	17.79%(29)	16%(24)	16.88% (27)
4.	Professional core courses	36.2% (59)	40% (64)	40% (64)
5.	Professional Elective courses relevant to chosen specialization / branch	7.36% (12)	10.63% (17)	7.50 %(12)
6.	Open subjects – Electives from other technical and /or emerging subjects	5.52 % (9)	5. 63 % (9)	5. 63 % (9)
7.	Project work, seminar and internship in industry or elsewhere	9.2 % (15)	10% (16)	9. 38 % (15)
8.	Mandatory Courses /audit courses [Environmental Sciences, Induction Program, Indian Constitution, Essence of Indian Knowledge Tradition]	(non-credit)	(non-credit)	(non-credit)
	Total	163	160	160

HUMANITIES & SOCIAL SCIENCES COURSES [HS]	
AICTE Model Curriculum (CSE) (2022(	**Stanley-R23 (IT)Proposed**
HSMC-201 English (3)	English (3)
HSMC-102 Design Thinking (1)	Design Thinking (1)
HSMC (H-102) Universal Human Values (3)	Universal Human Values (2)
HSMC-301 Humanities – 1 (3)	Advanced Communication Skills (1)
HSMC-401 Management-I Finance & Accounting (3)	Finance & Accounting (4)
HSMC-501 Humanities – II (3)	-
TOTAL= 16	**TOTAL= 11**

BASIC SCIENCE COURSE [BSC]	
AICTE Model Curriculum (CSE) (2022)	**Stanley-R23 (IT)Proposed**
BSC-101 Physics-I (5)	BS101 Physics (5)
BSC-102 Mathematics-I (Calculus and Linear Algebra) (4)	BS102 Mathematics-I (4)
BSC-201 Mathematics-II (Probability and Statistics) (4)	BS201 Mathematics-II (4)
BSC-202 Chemistry-I (5)	BS202 Chemistry (5)
BSC-301 Mathematics-III (Differential Calculus) (2)	BS401 Mathematics-III (4)
BSC-701 Biology (3)	
TOTAL= 23	**TOTAL= 22**

ENGINEERING SCIENCE COURSES [ES]	
AICTE Model Curriculum (CSE) (2022)	**Stanley-R23 (IT)Proposed**
ESC-101 Basic Electrical Engineering (5)	ESC-101 Basic Electrical Engineering I (5)
ESC-102 Engineering Graphics & Design (3)	ESC-102 Engineering Graphics & Design (2)
ESC-201 Programming for Problem Solving (5)	ES101 Problem Solving and Programming (5)
ESC-202 Workshop/Manufacturing Practices (3)	ESC-202 Workshop/Manufacturing Practices(2)
ESC-301 Analog Electronic Circuits(5)	ESC Data Structures(5)
ESC-302 Digital Electronics (5)	ESC-302 Digital Electronics (4)
ESC-501 Signals and Systems (3)	Microprocessor and Micro Controllers (4)
TOTAL= 29	**TOTAL= 27**

PROFESSIONAL CORE COURSES [PCC]	
AICTE Model Curriculum (CSE) (2022)	**Stanley-R23 (IT)Proposed**
PCC CS-301 Data Structure and Algorithms (5)	
PCC CS-401 Discrete Mathematics (4)	PCC IT -301 Discrete Mathematics & Graph Theory (3)

PCC CS-302 IT Workshop – (Sci Lab / MATLAB) (3)	PCC IT-312 IT Workshop – (1)
PCC CS-402 Computer Organization and Architecture (5)	PCC CS- 304 Computer Organization and Architecture (3)
	PCC IT- 302 Java Programming (4)
PCC CS-505 Introduction to Database Systems (5)	PCC IT-303 Relational Database Management System (4)
PCC CS-403 Operating Systems (5)	PCC IT-401Concepts of Operating Systems(4)
PCC CS-601 Computer Networks (5)	PCC IT-402 Data Communication and Computer Networks (3)
PCC CS-405 Advanced Programming (4)	
	PCC IT -412Python Programming (3)
PCC CS-404 Design and Analysis of Algorithms (5)	PCC IT-502 Algorithm Analysis and Design (3)
PCC CS-504 Theory of Computation (4)	PCC IT-501 Automata Theory and Compiler Design(3)
	PCC IT-503 Software Engineering (4)
	PCC IT-504 Internet of Things (4)
	PCC IT-514 Full Stack Development-1(3)
PCC CS-602 Complier Design (5)	
PCC CS-603 Machine Learning (4)	
PEC CS-601Introductory Cyber Security (5)	PCC IT-701 Cyber Security and Digital Forensics (4)
	PCC IT-601 Programming with Raspberry-Pi (4)
	PCC IT-602 Cloud Computing (4)
	PCC IT-603 Cryptography and Network Security (3)
	PCC IT-614 Full Stack Development Lab-2(3)_
	DevOps (4)
TOTAL= 59	**TOTAL= 64**

PROFESSIONAL ELECTIVE COURSES[PEC]	
AICTE Model Curriculum (CSE) (2022)	**Stanley-R23 (IT)Proposed**
PE001 (3)	PE001 (3)
PE002 (3)	PE002 (3)
PE003 (3)	PE003 (3)
PE004 (3)	PE004 (3)
TOTAL= 12	**TOTAL= 12**

OPEN ELECTIVE COURSES[OEC]	
AICTE Model Curriculum (CSE) (2022)	**Stanley-R23 (IT)Proposed**
OEC Open Elective – I (3)	OEC Open Elective – I (3)
OEC Open Elective – II (3)	OEC Open Elective – II (3)
OEC Open Elective – III (3)	OEC Open Elective – III (3)
TOTAL= 09	**TOTAL= 09**

PROJECT WORK, SEMINAR AND INTERNSHIP IN INDUSTRY	
AICTE Model Curriculum (CSE) (2022)	**Stanley-R23 (IT)Proposed**
	Idea Lab / Field Work(1)
	PW IT-511 Summer Internship – I (1)
PROJ CS-601 Project-I (3)	PW IT-611 mini Project (1)
PROJ CS-601 Project-II (6)	PW IT-711 Summer Internship – 2 (1)
PROJ CS-601 Project-III (6)	PW IT-712 Project-I (3)
	PW IT-811 Project-II (8)
TOTAL= 15	**TOTAL= 15**

EM	MC (0C, 4S)	HS (9C, 4S)	BS (22C,5S)	ES (28C,8S)	PC (56C,14S)	PE (16C ,5S)	OE (9C, 3S)	Project (15)	Total CREDITS	Total Subjects
SEM 1		ENG Lab (1)	M1 (4), PHY(4) +LAB (1)	PPS (3) +Lab (2), WS LAB (2) + BEE(4)+Lab(1)					**23**	4 Th 5 Lab
SEM 2		ENG (2) +UHV (2)+DT(1)	M2 (4), CHE (4),CHE LAB(1)	DS (4) + Lab (1), Graphics Lab (2)					**21**	5 Th 5 Lab
SEM 3	MC-1			EDC (3) BE LAB (1), IT-workshop(1)	Java (4)+DBMS(4)+DM(3)+DL CD(3)			Field work(1)	**19**	5 Th 4 Lab MC-1
SEM 4	MC-2	MEFA (4)+A CK(1)	M3 (4)	MP&MC(4)	DCCN(3) + OS(3), + Lab (1) python(3)				**23**	5 Th 3 Lab MC-1
SEM 5					TC (3) + DAA(3)+SE(3)+lab(1)+IO T(3)+lab(1)+ +FSD-LAB(3)	PE I (3)		INTERN-1 (1) (Done at Sem4)	**21**	5 Th 3 Lab
SEM 6					PAR(3)+lab(1)+DS(3)+C NS(3)+lab(1) +MAD(3)	PE II (3)	OE I (3)	Mini-Proj(1)	**21**	5 Th 3 Lab
SEM 7					CC(3)+Lab(1) Devapp(4)	PE-III(3) + PE-IV(3) +	OE2 (3)	INTERN-2 (1) +Project -1 (3)	**21**	5 Th 2 Lab 1 proj
SEM8							OE 3 (3)	Project (8)	**11**	1 Th 1 proj
Total	**0**	**11**	**22**	**27**	**64**	**12**	**9**	**15**	**160**	

Stanley College of Engineering and Technology for Women

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(Affiliated to Osmania University)

(Accredited by NAAC with"A" Grade, Accredited by NBA)

Chapel Road, Abids, Hyderabad – 500 001

Department of Information Technology

STANFEST2023

TALENT HUNT

EVENT REPORT

Name of the Event	Talent Hunt		
Type of Activity	Non-Technical		
Date & Time Venu	28/04/2023	10Am to 1Pm	C block Seminar Hall

Details of Participants

Name	Branch	Year	Phone no
Ananya	CSE-A	1st	8639709613
R.Pranathi	ECE	1st	9618041320
Thanmay	IT	1st	8074698429
Laxmi Manasa	IT	1st	7396594372
K.Soni	CSE-A	1st	8179667652
Zumar Sania	IT-A	1st	9177533743
Noor	CSE	3rd	7673949208
Nizam	CSE	3rd	8179066103
Zaheruddin	CSE	3rd	8143842620
Ruthika	IT	1st	9700111660
Anvitha	IT-B	2nd	8309927328
Siri Chandana	IT	1st	6300177769
Sri Harshitha	IT	1st	9154369159
Sai madhumitha	ECE	1st	6304400829

	P.Jagadheswari CSE 1st 6303892841 Ismail BBA 3rd 9347566288
Winners & Runners	Winners: S.Laxmi Manasa(Singing) R.Pranathi(Dance) Anvitha Adepu (Instrumental) Zumar Saina(What IF) Nizam(Poetry) A.Ruthika(Stand-Up Comedy) Runners: K. Soni (Singing), T.Sai Harshitha (Singing) Ananya(Dance), Thanmay, Siri(Dance) Noor (What IF) Zahruddin (Poetry) Ismail (Stand-Up Comedy)
Faculty and Student Coordinator(s)	**Faculty Coordinator:** Ms. Vishalini Krishnan **Student Coordinators:** Arjumand Afroze Nandini N. Abhitha Sri K. Namitha Sri
Judges	**Dr.Shravani** **Associate** **professor** **CME & AIDS**
	The Stanfest takes place every year in the Stanley College of Engineering and Technology for Women, Abids. This year, the Information technology department came up with '**TechnoUtsav-2k23**' in which it held many technical and non-technical events. **Talent Hunt** is a Non-technical event which refers to cultural activities like Singing, Dancing, poetry, Instrumental music, What IF quiz competitions, Stand-up Comedy etc... It focused on encouraging the students in all

Description (*min. 100 words)*	types of cultural activities. The event was conducted on **28th April, 2023**. This event is all about how to manage time and present in front of an audience and the Judge with this to enhance command over different activities and interact with the audience. Many participants from Stanley and other colleges too participated with much enthusiasm. This event enhances student's critical thinking, time management, confidence. In the event, winners were awarded with certificates and first prize winners were awarded mementos by **Dr.B.Srinivasu (HoD of IT).** Student coordinators and Volunteers were awarded with appreciation certificates. Tech-fests unforgettable imprints remain with us. We have been blessed enough to be backed by a team of very motivated and dedicated faculties, who know their job and are result oriented. We extend our most sincere thanks to the entire IT Department for their incessant support, guidance for making TechnoUtsav-2k23 a great success.

Photos	         

Event Coordinator HOD

Stanley College Of Engineering & Technology For Women
(Autonomous)
Chapel Road, Abids, Hyderabad
(Accredited by NAAC & NBA)
Department of Information Technology
Singing & Dancing Contest

DT: 15-09-2022

As part of 55th Engineer's day celebrations conducted in Department of Information Technology, Singing and Dancing contest was conducted for III, V, and VII Semester Students. The list of participants is as follows:

S.NO	ROLL NO	NAME	BRANCH	SINGING/ DANCING
1.	160621737081	G Pravalika	IT	Dancing
2.	160621737016	G D Srivalli	IT	Singing
3.	160621737067	A Anvitha	IT	Singing
4.	160621747062	Vachaspathi Gnyana Varshini	ADCE	Singing
5.	160621737096	Mahin Fatima	IT	Singing

All the students have participated enthusiastically. A total of 5 students have participated in the event. Among them, the Winner and runner up list is as follows:

S.NO	ROLL NO	NAME	BRANCH	EVENT	PRIZE
1.	160621747062	Vachaspathi Gnyana Varshini	ADCE	Singing	Winner
2.	160621737016	G D Srivalli	IT	Singing	Runner Up

The student coordinators for the event are :

1. A. Navitha (III SEM)
2. V. Sravani (III SEM)

Photo Gallery of the Event:

Singing & Dancing Event

Event Coordinator

Mrs. T C Swetha Priya
Assistant Professor
IT Department

HOD

Dr. B Srinivasu

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Chapel Road, Abids, Hyderabad – 500 001

NSS Unit – CIRCULAR

NO.40/STLW/NSS/2022 Dt: 18 – 10 - 2022

All [Students, Staff (both Teaching & Non – Teaching)] are invited to attend a Cyber Awareness Program "**See Yourself in Cyber: Together we make it Safer**" on **22nd Oct, 2022** organized by NSS Unit in association with Women Safety Wing, Telangana State.

Date of Event: **22nd Oct, 2022** Venue: E **Block – Seminar Hall**

NSS Program Officer
Dr A Kanaka Durga

Principal
Dr Satya Prasad Lanka

CC: Dean Academics/Director Information Systems/Vice Principal/All HoDs - circulate to all the students, Staff/Controller of Examinations/ Library/ A.O./A.R./Accounts/R &D.

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NSS Unit – CIRCULAR

NO.40/STLW/NSS/2022 **Dt: 18 – 10 - 2022**

Cyber Awareness Program "**See Yourself in Cyber: Together we make it Safer**" on **22nd Oct, 2022** was organized by NSS Unit in association with Women Safety Wing, Telangana State on **22nd Oct, 2022 at E Block – Seminar Hall.**

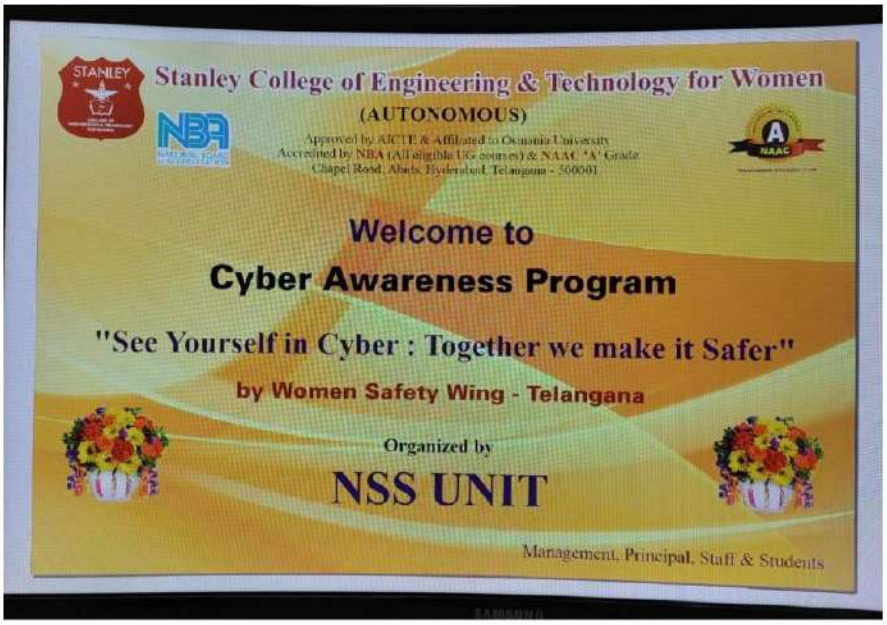
Agenda:

In this program Students have been taught about

- What is Cyber Crime
- Who Will be Targeted by Cyber Crime Offenders
- What to be done if someone is targeted by Cyber Crime
- What to be done if someone is targeted in Cyberbullying
- What to be done if someone is harassed sexually
- Who is a Cyber Warrior
- What kind of a Role "SHE TEAM" is having in soceity.

Resource Persons: Mr G Mallesh, S.I. - CCS
Participants: 100 members (12 – Faculty & 88 – Students)

Dr A Kanaka Durga
NSS Program Officer


Stanley College of Engineering & Technology for Women
(AUTONOMOUS)
Approved by AICTE & Affiliated to Osmania University
Accredited by NBA (All eligible UG courses) & NAAC 'A' Grade
Chapel Road, Abids, Hyderabad, Telangana - 500001
Welcome to
Cyber Awareness Program
"See Yourself in Cyber : Together we make it Safer"
by Women Safety Wing - Telangana
Organized by
NSS UNIT
Management, Principal, Staff & Students


How to Report?
Helpline Numbers:
Dial 100
Cyber Crime 1930
Cybercrime.gov.in
She Teams
Hyderabad: 9490616555
Cyberabad : 9490616444
Samsung Triple Camera
Shot with my Galaxy A30s

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Dt: 04 – 02 – 2023

Report

A Health Talk on Arthritis and Sports Injury Around Knee - NSS Unit

A Health Talk on Arthritis and Sports Injury around Knee – [Knee Pain & Remedy] was organized by NSS Unit on 4th Feb, 2023 in C Block Seminar Hall from 11:00 AM to 01:00 PM.

115 members (19 –Teaching Staff, 03 – Non – Teaching Staff & 93 – Students) have attended the session.

Dr Kushal Hippalgaonkar, Surgeon KIMS_SUN SHINE Hospital has addressed the following points in detail:

- Arthritis of Knee
- Hinge Joint Knee
- Meniscus Injuries & Repair
- TKR
- Treatment - Knee Exercises & Precautions
- Sports Injuries around the Knee
- Robotic Knee Replacement
- FAQs on Arthritis

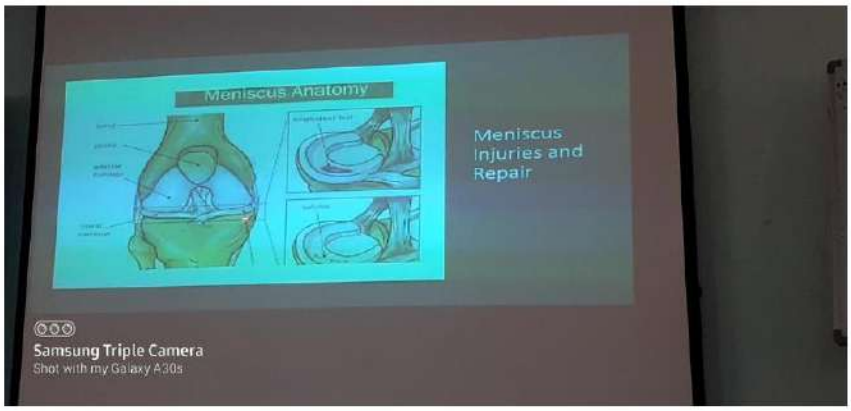
.

Dr A Kanaka Durga
NSS Program Officer


(AUTONOMOUS)
Welcome to
"Arthritis and Sports Injury Around Knee"
by
Dr. Kushal Hippalgaonkar
Surgeon - KIMS - Sunshine Hospital
On 4th February, 2023
Organized by
NSS UNIT


Welcome to
Dr. Kushal Hippalgaonkar
On 4th February, 2023
NSS UNIT


Samsung Triple Camera


Meniscus Anatomy
Meniscus Injuries and Repair
Samsung Triple Camera
Shot with my Galaxy A30s


FAQs of arthritis

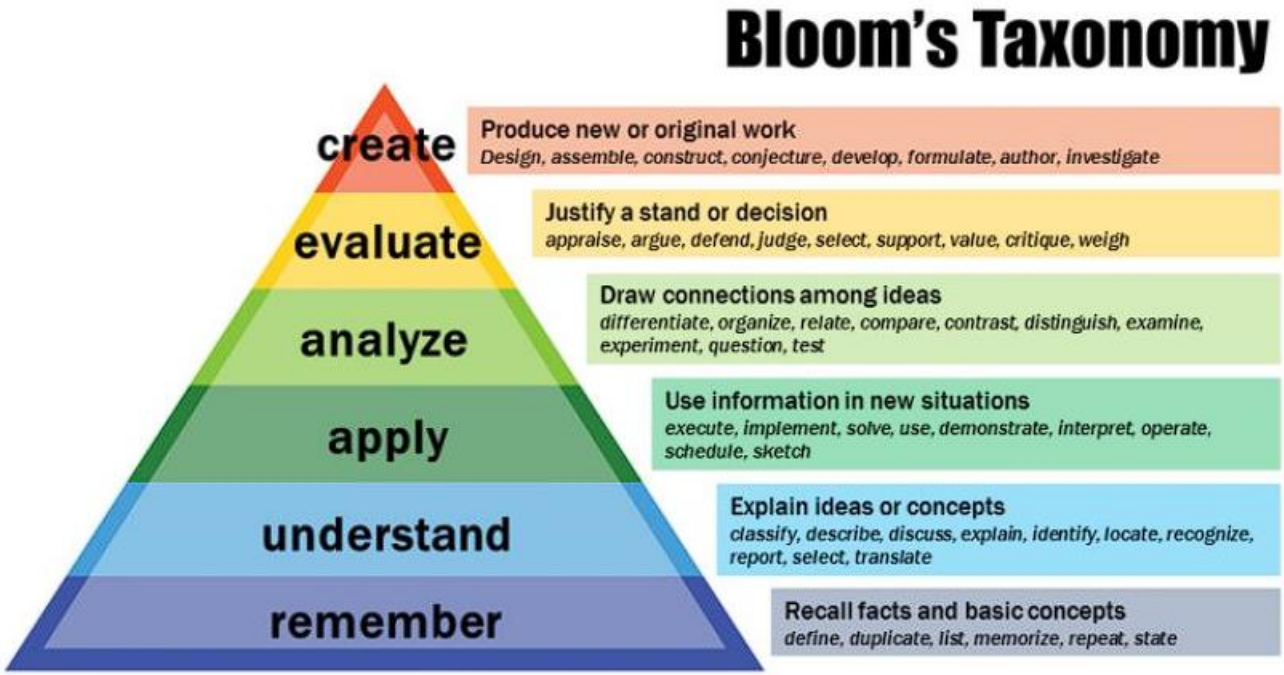

Sports Injuries around the Knee
Samsung Triple Camera
Shot with my Galaxy A30s

STANLEY COLLEGE OF ENGINEERING & TECHNOLOGY FOR WOMEN

Department of Electrical and Electronics Engineering

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experience and teachers use ICT- enabled tools including online resources for effective teaching and learning process

- **Bloom's Taxonomy**



- **Topics beyond syllabus (CIS scan copy)**

COURSE INFORMATION SHEET

COURSE NAME: MICROPROCESSORS AND MICROCONTROLLERS	**COURSE CODE:** PC423EE
PROGRAM / YEAR / SEMESTER: B.E VI SEM	**REGULATION:** AICTE (UG) **AY:** 2022 – 23
COURSE TYPE: CORE	**CREDITS:** 3
COURSE AREA/DOMAIN: MICROPROCESSORS	**CONTACT HOURS:** 3 HOURS/WEEK.
CORRESPONDING LAB COURSE NAME, CODE (IF ANY): MICROPROCESSORS AND MICROCONTROLLERS LAB (PC462EE)	
PRE-REQUISITE COURSES/SEM/CODE: DIGITAL ELECTRONICS AND LOGIC DESIGN (PC410EE)	

SYLLABUS:

UNIT	DETAILS	HOURS (LECTURE)
I	**UNIT I – Microprocessor** Architecture of 8086 – Segmented memory, Addressing modes, Instruction set, Minimum and maximum mode operations.	12
II	**UNIT II – Introduction to Programming** Assembly language programming, Assembler directives, Simple programs using assembler, Strings, Procedures, Macros timing.	11
III	**UNIT III – Interfacing to Microprocessor** Memory and I/O interfacing, A/D and D/A interfacing, 8255(PPI), Programmable Internal Timer (8253), Keyboard and display interlace, Interrupts of 8086.	12
IV	**UNIT IV – Microcontroller Architecture** Types of Micro Controllers, 8051 MC – Architecture input/output pins, Ports and circuits, Internal and external memories, counters and timers, serial data input/output, Interrupts & timers.	11
V	**UNIT V – Introduction to Programming** Basic Assembly language programming, instruction cycle, Addressing modes, 8051 instruction set, Classification of instructions, Simple programs.	10
	TOTAL	**56**

TEXT/REFERENCE/ADDITIONAL BOOKS:

T/R	BOOK TITLE/AUTHORS/PUBLISHER
T1	1. Douglas, V. Hall microprocessors and Interfacing- Tata McGraw Hill-Revised 2nd Edition, 2017.
T2	2. Kenneth. J. Ayala – The 8051 Microcontroller Architecture Programming and Applications", Thomson publishers, 2nd Edition, 2007.
R1	3. Krishna Kant – microprocessors and Microcontrollers – Architeture, Programming and System Design 8085, 8086, 8051, 8096, Prentice-Hall india-2007.
R2	4. Waiter A. Triebel & Avtar Singh – The 8088 and 8086 Microprocessor – Pearson Publishers, 4th Edition, 2007.

WEB SOURCE REFERENCES: (Detailed Topic link)

UNIT I	**W1**	https://www.youtube.com/watch?v=Xl2nWDcy0To
	W2	https://www.youtube.com/watch?v=DmwOSdwzZ3E
	W3	https://nptel.ac.in/courses/108103157
UNIT II	**W1**	https://www.youtube.com/watch?v=iROUX8eYU38&list=RDCMUC-AyjLkoQSxTHN3zlThxg6w&index=2
	W2	https://nptel.ac.in/courses/108103157
UNIT III	**W1**	https://www.youtube.com/watch?v=gjq9fWku34U&list=RDCMUC-AyjLkoQSxTHN3zlThxg6w&index=21
	W2	https://nptel.ac.in/courses/108103157
UNIT IV	**W1**	https://www.youtube.com/watch?v=nfq_WaPGb6o&list=RDCMUC-AyjLkoQSxTHN3zlThxg6w&index=12
	W2	https://nptel.ac.in/courses/108105102
UNIT V	**W1**	https://www.youtube.com/watch?v=6Q362E3LIgo&list=RDCMUC-AyjLkoQSxTHN3zlThxg6w&index=35
	W2	https://www.youtube.com/watch?v=3gI8RAEo40c&list=RDCMUC-AyjLkoQSxTHN3zlThxg6w&index=21
	W3	https://nptel.ac.in/courses/108105102

COURSE OUTCOMES:

COURSE CODE	DESCRIPTION	PO (1 – 12) MAPPING	PSO (1, 2) MAPPING	BLOOMS TAXONOMY LEVEL
PC423EE.1	Acquire the knowledge of architecture of 8086	1,2,3,4,5,11,12	1,2	Understand (Level 2)
PC423EE.2	Understanding the writing of assembly language programming for different applications	1,2,3,4,5,11,12	1,2	Apply (Level 3)
PC423EE.3	Analyse the interfacing of 8086 to different applications	1,2,3,4,5,11,12	1,2	Analyze (Level 4)
PC423EE.4	Understanding the architecture of 8051	1,2,3,4,5,11,12	1,2	Apply (Level 3)
PC423EE.5	Analyse the coding of 8051 for different problems	1,2,3,4,5,11,12	1,2	Analyze (Level 4)

(Course outcomes Minimum 4 Maximum 6)

COURSE OUTCOMES VS POs MAPPING (DETAILED; HIGH:3; MEDIUM:2; LOW:1)**:**

COURSE CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
PC423EE.1	2	2	2	1	2						1	1	2	1
PC423EE.2	2	3	1	1	1						1	2	3	1
PC423EE.3	2	2	2	1	2						1	2	2	2
PC423EE.4	3	2	2	1	2						1	2	3	2
PC423EE.5	3	2	2	1	1						2	2	3	1
AVG	**2.4**	**2.2**	**1.8**	**1**	**1.6**						**1.2**	**1.8**	**2.6**	**1.4**

** For Entire Course, PO & PSO Mapping*

Note: Enter correlation levels 1, 2 or 3 as defined below:
1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)
If there is no correlation, put "-"

POs & PSO REFERENCE:

PO1	Engineering Knowledge	PO6	Engineer & Society	PO11	Project Management & Finance
PO2	Problem Analysis	PO7	Environment & Sustainability	PO12	Life Long Learning
PO3	Design & Development	PO8	Ethics		
PO4	Investigations	PO9	Individual & Team Work	PSO1	Skilled Professional
PO5	Modern Tools	PO10	Communication Skills	PSO2	Research Capability

GAPS IN THE SYLLABUS - TO MEET COs, POs & PSOs:

SNO	GAP	PROPOSED ACTIONS	PROPOSED RESOURCE	CO	PO / PSO
1	8085 Architecture	Advise	NPTEL Lectures	1	1,2,3,4,11,12/1,2
2	Explanation about 80186, 80286, 80386, …	Advise	NPTEL Lectures	2	1,2,3,4,11,12/1,2

TOPICS BEYOND SYLLABUS: Additional course material / learning material / Lab Experiments / Projects

S.No	Description	CO	PO/PSO
1	Differences between 8085, 8086 and latest computers	1	PO1,PO2,PO3,PSO1,PSO2
2	Writing a ALP to find out LCM and GCD of given numbers	2	PO1,PO2,PO3,PSO1,PSO2
3	Interfacing of stepper motor in both directions	3	PO1,PO2,PO3,PSO1,PSO2
4	Role of microcontroller in embedded systems	4	PO1,PO2,PO3,PSO1,PSO2
5	PIC Microcontroller programming	5	PO1,PO2,PO3,PSO1,PSO2

Innovation / Pedagogical Initiatives to cater Weak & Advanced Learners: Multimedia Learning Process, Mind Map, Z to A approach, Lecture method & Interactive Learning, Project based learning, Computer assisted Learning, Smart Class Room.

INSTRUCTIONAL METHODOLOGIES:

■	REAL WORLD EXAMPLES	■	COLLABORATIVE LEARNING	■	QUALITY LAB EXPERIMENTS	■	OBSERVATIONS RECORDED
■	INDUSTRY INTERNSHIP		SUMMER TRAINING		EXPERT GUEST LECTURES		PROJECTS
■	USE OF ICT		ANY OTHER (SPECIFY)				

ASSESSMENT METHODOLOGIES-DIRECT

■	EXAM QUESTIONS	■	TUTORIAL QUESTIONS	■	ASSIGNMENTS	■	LABORATORY TESTS
	PROJECT EVALUATION		STUDENT ARTIFACTS		ORAL EXAMS		PROJECT PRESENTATIONS
■	INTERNALLY DEVELOPED EXAMS		ANY OTHER (SPECIFY)				

ASSESSMENT METHODOLOGIES-INDIRECT

■	STUDENT EXIT SURVEY	■	CO-CURRICULAR ACTIVITIES	■	EXTRA CURRICULAR ACTIVITIES

Prepared by
(Dr. Nagasekhara Reddy Naguru)

Approved by
(HOD)

HEAD
Department of Electrical & Electronics Engineering

- **NSS/ IIC /IIIC Activities**

Name of the activity	Organising unit/ Forum/ collaborating agency	Date of the activity DD-MM-YYYY	Number of students participated in such activities
Vaccination Drive	Rainbow Hospitals	2020-2021	39
Free Medical Camp	Vijaya Diagnostics	2020-2021	20
Free Eye Camp	Neoretina Eye Care	2022	20
Ban on Drugs Campaign	NSS	2022	8
National Pollution control day	NSS	2022	10
Cyber awareness program	NSS	2022	200-300
KNEE Pain and Remedy	NSS	2023	50
Awareness on Osteoporosis	NSS	2023	100

Stanley College of Engineering and Technology for Women
Chapel Road, Abids HYD - 1

NSS Unit–Drive for Covid'19 Vaccination

NO.38/STLW/NSS/2021 **Dt: 05-06-2021**

CIRCULAR

All the students and staff are aware that due to ravage of COVID'19, the entire community is suffering badly. "No one is safe until everyone is safe". Therefore, it felt desirable that everyone is vaccinated at the earliest.

It is informed that the institution has initiated action to arrange for vaccination for COVID'19 (COVISHILD/COVAXIN) for students and staff members, who are interested and have not yet vaccinated. This vaccination drive is arranged in coordination with Rainbow Hospitals-Hyderabad.

The approximate costper person- per dose is Rs. 950/- for COVISHIELD and Rs 1450/-for COVAXIN.

Unless exempted from vaccination by doctors, it is mandatory that all the students and staff are to be vaccinated.

Students and staff may avail this facility and register their names with NSS department coordinators on or before 7th June, 21.

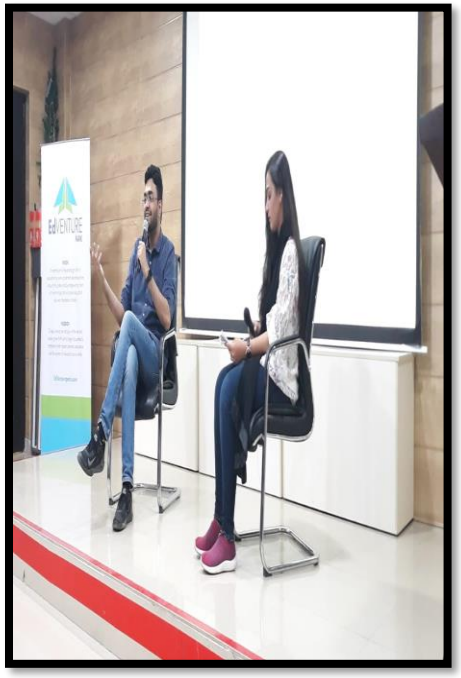
1. Dr Shravani, Assoc. Prof. CSE – I/C Dept of CSE, M.Tech CSE
2. Dr K Vaidehi, Assoc Prof CSE - I/C Dept of CME, AIDS
3. Mrs Keertilatha, Asst. Prof. ECE – I/C Dept of ECE, ME Embedded Systems
4. Mrs Pallavi, Asst Prof EEE - I/C Dept of EEE
5. Mrs CH M Shruthi, Asst. Prof IT –I/C Dept of IT
6. Mrs Amala Kumari, Asst. Prof. MBA –I/C Dept of MBA
7. Mr Gangadhara, Asst Prof Chemistry – I/C Dept of H & S (All branches of 1st Year)

Date of vaccination will be communicated shortly.

NSS Program Officer
Dr A Kanaka Durga

Principal
Dr Satya Prasad Lanka

- **IIC Activities**
- **Entrepreneurship - Incubation Workshop by EdVenture Park**


- **Engineers Day**

- **AMSE 2021 International Conference**

- **International Webinar Global Perspective on Higher Education**

- **Webinar on Intellectual Property Rights - Patents Designs Process RGNIIPM-Govt of India**

- **A Webinar on Start-up Success - My Story of a Successful Entrepreneur/Start Up Founder**

- **National Education Day Celebrations**

- **Session on Problem Solving and Ideation Workshop-Think Entrepreneurship**

- **Mhrd Innovation Cell**

Stanley College of Engineering & Technology for Women
(Autonomous)
(Approved by AICTE and Affiliated to Osmania University, Accredited by NBA (UG Courses in - CSE, ECE, EEE & IT) & **NAAC with 'A'** Grade)
Chapel Road, Abids, Hyderabad-001 Ph. No 040-23234880, 23244880

INSTITUTION'S INNOVATION COUNCIL

Cordially invite you to

"MY STORY- MOTIVATIONAL SESSION BY SUCCESSFUL INNOVATOR"

Tuesday, 30th November 2021 @6:30 p.m.
Mode: Online
Speaker:
Ms Geetha Dubba,
Founder CEO, G&G Consultants,
Director, Milet Bowl Pvt Ltd.

Activity Coordinator:
Dr. G. Padmasree
ARIIA Coordinator, IIC Council, SCETW

Student Coordinators:
Ms. Basava Lavanya
Ms. Amrutha Parwatikar

Thanks & Regards:
IIC Council of SCETW
Dr. A Vinaya Babu, Dean Academics, President, IIC Council
Dr Satya Prasad Lanka, HoI, Principal, SCETW
Dr. K Ramakrishna, Director, R&D, Convenor, IIC Council

Dr G Nalini, Start up Coordinator
Dr D Shravani, IPR Coordinator.
Dr K Vaidehi, NIRF Coordinator
Dr AS Sreelatha, Innovation Coordinator
Ms G Sreelatha, Internship Coordinator
Ms R Ramya Sree, Social Media Coordinator
Email: iic@stanley.edu.in

- **"National Pollution Control Day" and had Workshop on "Renewable Energy & Solar PV Systems" - Organised by Dept of EEE, IIC Innovation Ambassador**



- **Workshop on "Entrepreneurship and Innovation as Career Opportunity" –"Design Thinking, Critical Thinking, & Innovation Design**


➢ Energy Conservation Workshop 2022-2023

❖ **ENERGY CONSERVATION BROUCHER**

❖ **PRIZE DISTRIBUTION:**

❖ **POSTER PRESENTATION BY STUDENTS**

❖ **INTERACTION WITH STUDENTS:**

❖ **SAMPLE CERTIFICATE:**

Stanley College of Engineering & Technology for Women
(AUTONOMOUS)

Certificate of Participation

This is to certify that Ms. S.HARIEA
bearing Roll No. : 160419431035 *of B.E* IV *Year from Dept. of* EEE *has participated in the Poster Presentation on the "National Energy Conservation Day" event on 14th December 2022.*

Coordinator | Convenor | HoD | Principal

- **Project Expo 2022-2023**

STANLEY

COLLEGE OF ENGINEERING & TECHNOLOGY FOR WOMEN

(Private Un-aided Non-minority Autonomous Institution)

(All eligible UG courses are accredited by NBA & NAAC with 'A' grade)

Affiliated to Osmania University and Approved by AICTE

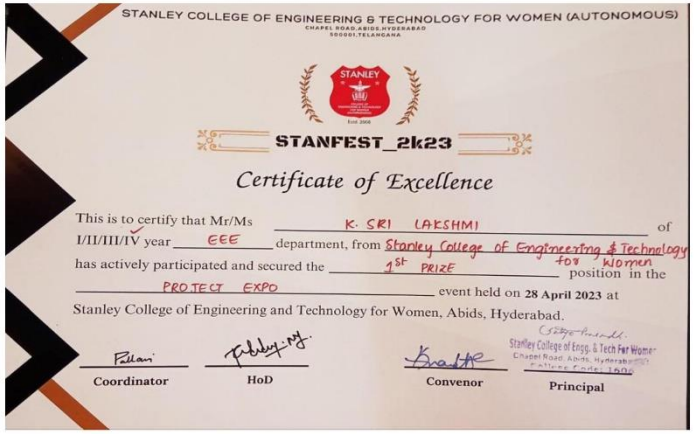
Estd.2008

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REPORT ON PROJECT EXPO

❖ **PROJECT EXPO POSTER:**

❖ **SAMPLE EXCELLENCE CERTIFICATE:**



STANLEY COLLEGE OF ENGINEERING & TECHNOLOGY FOR WOMEN (AUTONOMOUS)

CHAPEL ROAD,ABIDS,HYDERABAD 500001,TELANGANA

STANFEST_2k23

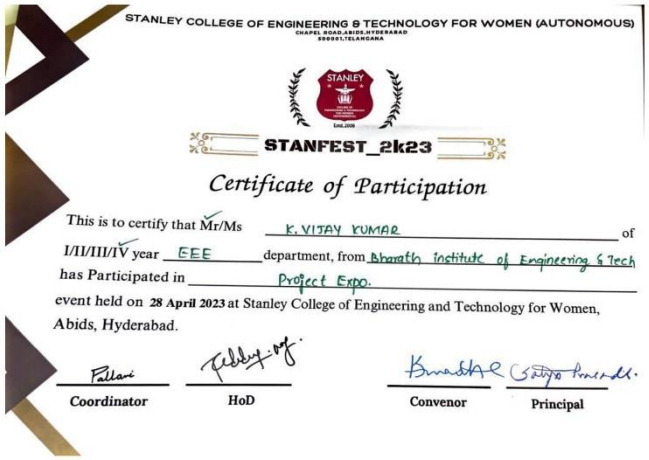
Certificate of Excellence

This is to certify that Mr/Ms K. SRI LAKSHMI of I/II/III/IV year EEE department, from Stanley College of Engineering & Technology for Women has actively participated and secured the 1st PRIZE position in the PROTECT EXPO event held on **28 April 2023** at Stanley College of Engineering and Technology for Women, Abids, Hyderabad.

Coordinator HoD Convenor Principal

Stanley College of Engg. & Tech For Women Chapel Road, Abids, Hyderabad-500 001

❖ **SAMPLE PARTICIPATION CERTIFICATE:**



STANLEY COLLEGE OF ENGINEERING & TECHNOLOGY FOR WOMEN (AUTONOMOUS)

CHAPEL ROAD,ABIDS,HYDERABAD 500001,TELANGANA

STANFEST_2k23

Certificate of Participation

This is to certify that Mr/Ms K. VIJAY KUMAR of I/II/III/IV year EEE department, from Bharath Institute of Engineering & Tech has Participated in Project Expo. event held on **28 April 2023** at Stanley College of Engineering and Technology for Women, Abids, Hyderabad.

Coordinator HoD Convenor Principal

STANLEY

STANLEY

COLLEGE OF ENGINEERING & TECHNOLOGY FOR WOMEN

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Estd.2008

Department of Electrical and Electronics Engineering
Project Expo Feedback.

S. No	Question/Parameter for evaluation	Comments
1	Do you feel that attending Project Expo event is benefitted to you?(YES/NO)	Yes
2	If you could describe your experience at this event in one word,what would it be?	Awesome
3	How do you rate the organizers for this event? (Excellent - 5 / Very good - 4 / Good - 3 / Average – 2 / Unsatisfactory – 1)	Excellent
4	How much you rate for the facilities provided for this event? (Excellent - 5 / Very good - 4 / Good - 3 / Average – 2 / Unsatisfactory – 1)	Excellent
5	Did the event meet your expectations? (YES/NO)	Yes

Please share any additional comments, thoughts, suggestions for future events

Name: K. Srilakshmi
M. Pujitha
S. Harika

Signature: K. Srilakshmi

Institute: Stanley College of engineering & technology for women

Phone: 8328303746

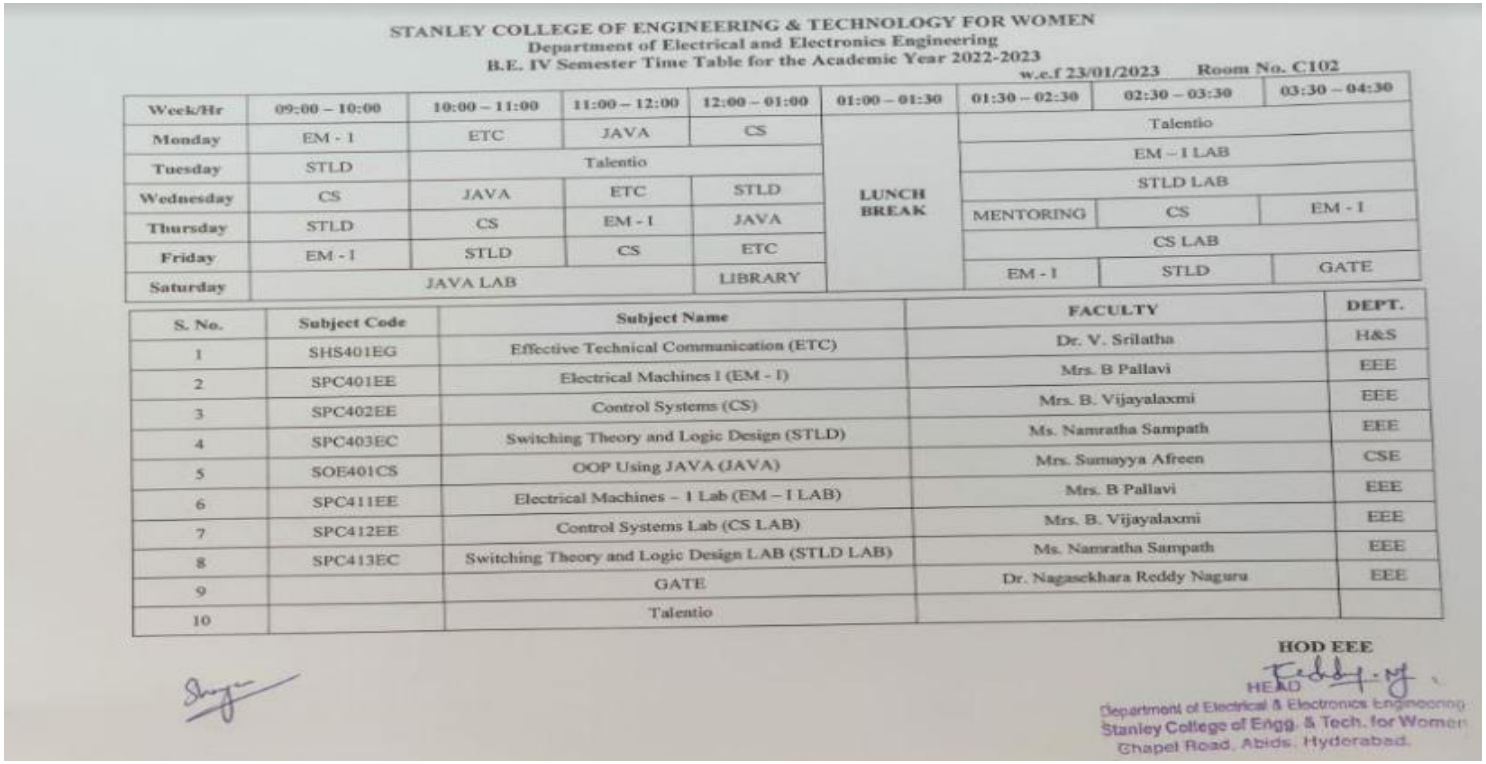
2021-2022






- **CRT**

2022-2023



STANLEY COLLEGE OF ENGINEERING & TECHNOLOGY FOR WOMEN

Department of Electrical and Electronics Engineering

B.E. IV Semester Time Table for the Academic Year 2022-2023

w.e.f 23/01/2023 Room No. C102

Week/Hr	09:00 – 10:00	10:00 – 11:00	11:00 – 12:00	12:00 – 01:00	01:00 – 01:30	01:30 – 02:30	02:30 – 03:30	03:30 – 04:30
Monday	EM - I	ETC	JAVA	CS	LUNCH BREAK	Talentio		
Tuesday	STLD	Talentio				EM – I LAB		
Wednesday	CS	JAVA	ETC	STLD		STLD LAB		
Thursday	STLD	CS	EM - I	JAVA		MENTORING	CS	EM - I
Friday	EM - I	STLD	CS	ETC		CS LAB		
Saturday	JAVA LAB			LIBRARY		EM - I	STLD	GATE

S. No.	Subject Code	Subject Name	FACULTY	DEPT.
1	SHS401EG	Effective Technical Communication (ETC)	Dr. V. Srilatha	H&S
2	SPC401EE	Electrical Machines I (EM - I)	Mrs. B Pallavi	EEE
3	SPC402EE	Control Systems (CS)	Mrs. B. Vijayalaxmi	EEE
4	SPC403EC	Switching Theory and Logic Design (STLD)	Ms. Namratha Sampath	EEE
5	SOE401CS	OOP Using JAVA (JAVA)	Mrs. Sumayya Afreen	CSE
6	SPC411EE	Electrical Machines – I Lab (EM – I LAB)	Mrs. B Pallavi	EEE
7	SPC412EE	Control Systems Lab (CS LAB)	Mrs. B. Vijayalaxmi	EEE
8	SPC413EC	Switching Theory and Logic Design LAB (STLD LAB)	Ms. Namratha Sampath	EEE
9		GATE	Dr. Nagasekhara Reddy Naguru	EEE
10		Talentio		

HOD EEE

HEAD

Department of Electrical & Electronics Engineering
Stanley College of Engg. & Tech. for Women
Chapel Road, Abids, Hyderabad.

2021-2022

STANLEY COLLEGE OF ENGINEERING & TECHNOLOGY FOR WOMEN

Department of Electrical & Electronics Engineering

Week/Hr	9.00-10.00	10.00-11.00	11.00-12.00	12.00-01.00	01.00-01.30	01.30-02.30	02.30-03.30	03.30-04.30	06.00-08.00
Monday	SEM	DCS	PQ		Lunch Break	Talentio class(2:00 to 5:00)			
Tuesday	PQ	SEM		CED		Talentio class(2:00 to 5:00)			
Wednesday	CED	DCS	PS LAB(B1)/ES LAB(B2)			PROJECT			Talentio class
Thursday	PEAPS	SGP	PS LAB(B2)/ES LAB(B1)			PEAPS	SEM	SGP	Talentio class
Friday	DCS	CED		SGP		DCS	SGP	PEAPS	Talentio class
Saturday	SGP	CED	DCS	PEAPS		CED(OPTIONAL	GATE		Talentio class

S.No.	Subject code	Subject Name	FACULTY	DEPT.
1.	PC428EE	Control of Electric Drives(CED)	Mrs.Sidra	EEE
2.	PC429EE	Switchgear and Protection(SGP)	Mrs.B.Vijayalaxmi	EEE
3.	PC430EE	Power Electronic Applications to Power Systems(PEAPS)	Dr.Sreelatha A S	EEE
4.	PE502EE	Professional Elective - II(Special Electric Machines(SEM))	G.Aishvaria	EEE
5.	PE506EE	Professional Elective - III(Digital Control Systems(DCS))	Mrs.M.V. Shruthi	EEE
6.	PE509EE	Professional Elective - IV(Power Quality Engineering(PQ))	Prof. P.V.Rama Sharma	EEE
7.	PC462EE	Power Systems Lab	G.Aishvaria, Mrs.Sidra	EEE
8.	PC466EE	Electrical Simulation Lab	Dr.Sreelatha A S,Ms Shayeera	EEE
9.	PW702EE	Project Work Phase – I	Dr. N.Nagashekara Reddy, Dr.Sreelatha A S	EEE
10.	PW701EE	Summer Internship	G.Aishvaria, Dr.Sreelatha A S	EEE
11.		GATE	EEE FACULTY	EEE
B1	Roll Numbers -160618734001-4033			
B2	Roll Numbers -160618734034-4312, Rejoined Students			

Monday,Tuesday= Online classes

Wednesday,Thursday,Friday,Saturday=Offline Classes

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

JANIGE RAJESHWARI

for successfully completing the course

Control Engineering

with a consolidated score of **54** %

Online Assignments	24.31/25	Proctored Exam	30/75

Total number of candidates certified in this course: **131**

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2023
(12 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION swayam शिक्षित भारत, उन्नत भारत

Roll No: NPTEL23EE16S33750587

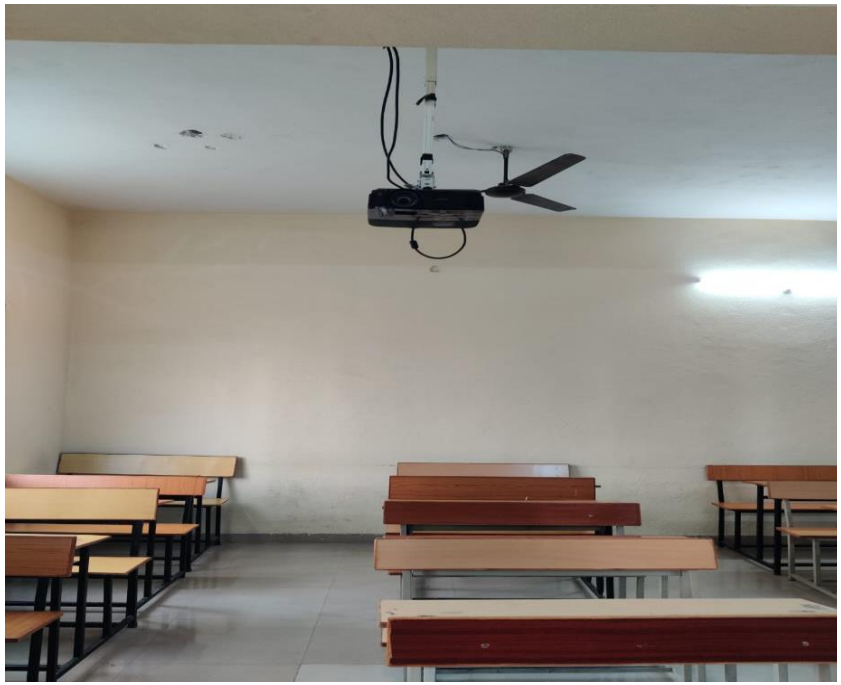
To validate the certificate

No. of credits recommended: 3 or 4

- **Image of classroom with projectors installed**

C102

C103



C-Block Seminar Hall