



INFORMATION TECHNOLOGY

QUARTERLY CHRONICLE

ABOUT DEPARTMENT

The Department of Information Technology was established in the year 1998-99. The department offers B.Tech. (IT) programme, which combines faculties with expertise in various fields and good laboratory facilities for imparting knowledge to the students. This enables students to face the challenging needs of the industries and research institutions. The department is affiliated to Anna University & B.Tech. Information Technology Programme is accredited by the National Board of Accreditation (NBA), AICTE, New Delhi.

HEAD OF THE DEPARTMENT:

Dr. AHMED MUDASSAR ALI

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EDITORIAL CHIEF:

Dr.Ahmed Mudassar Ali HOD/IT

EDITORIAL MEMBERS:

MRS.D.Chithra AP/IT

OUR VISION

- To transform our department into a quality hub, by providing technology updated education with ethical values.

OUR MISSION

- To develop our students, with comprehensive knowledge across the technological areas and to build their ability, to apply the technical theory, design and implementation for the given problems.
- To prepare our students, by facilitating an prominent environment for their learning and applications of Information Technology, which will enable them to work in teams and to become successful in their careers.



“
There's a way to do it
better – find it.”

–Thomas A. Edison

- To motivate Scientific Research among students, that will help them in establishing technological innovations and management for the society.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs) :

- PEO I: (Professional Learning) Our graduates will have mathematical skills, continuing self directed learning to sustain a lifelong career for their professional development.
- PEO II: (Optimistic Achiever) Our graduates will have ability to articulate their expertise, by solving problem of interest, through application of technology using, algorithms, design and implement, to meet the needs of employers.
- PEO III: (Cognitive Intelligence) Our graduates will be capable of incorporating the impact of innovation and as well uphold the knowledge of ethical and moralities on their work.
- PEO IV: (Social Identity) Our graduates will have effective communication skills, social responsibilities and will work cooperatively in interdisciplinary environments
- PEO V: To ensure graduates will be proficient in utilizing the fundamental knowledge of basic sciences, mathematics and Information Technology for the applications relevant to various streams of Engineering and Technology.
- PEO VI: To enrich graduates with the core competencies necessary for applying knowledge of computers and telecommunications equipment to store, retrieve, transmit, manipulate and analyze data in the context of business enterprise.
- PEO VII: To enable graduates to think logically, pursue lifelong learning and will have the capacity to understand technical issues related to computing systems and to design optimal solutions.
- PEO VIII: To enable graduates to develop hardware and software systems by understanding the importance of social, business and environmental needs in the human context
- PEO IX: To enable graduates to gain employment in organizations and establish themselves as professionals by applying their technical skills to solve real world problems and meet the diversified needs of industry, academia and research.

GUEST LECTURE

“Storage area Networks and RAID”

Date:13.03.2021

Chief Guest Mr. S. Prabhu, System Engineer in Indy , Bangalore.

 **S.A.ENGINEERING COLLEGE**
(An Autonomous Institution Affiliated to Anna University, Chennai)
Accredited by NBA, NAAC 'A' Grade & ISO 9001:2015 certified Institution
Poonamallee - Avadi Main Road, Thiruverkadu, Chennai - 600 077

Department of IT
Organizes
Storage area Networks and RAID
(for 11 years)

13
March
2021

MR. S. PRABHU
System Engineer
Indy, Bangalore

Expert Talk

IN ASSOCIATION WITH

For Admission, contact:
Phn: 044-2680 1999
FAX: 044-26801899
E-Mail:saec@saec.ac.in

TNEA
Counselling Code
1114

GUEST LECTURE

“Power BI Demo”

Date: 13.03.2021

Conducted for the III years to get exposed to the booming technology for data analytics.

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23 YEARS EXCELLENCE

NBA NATIONAL BOARD ACCREDITATION

NAAC 'A'

Department of IT
Organizes

13
March
2021

Power BI Demo
(for III years)

R. JOMESH JOSEPH VELIYATH
IT Technical Trainer
atec(PNG) Ltd.,
erungudi

Expert Talk

IN ASSOCIATION WITH

IEEE computer society

acm

COMPUTER SOCIETY OF INDIA
ESTD. 1963
FOR NEPSE WORK

CISCO
Networking Academy

intel
Intelligent Systems

For Admission, contact:
Phone: 044-2680 1999
Fax: 044-26801899
Email: saec@saec.ac.in

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GUEST LECTURE

“Career Guidance”

Date:13.03.2021

Chief Guest Mr. Richard Carol Danabalan, Senior Executive, Reserve Bank, Chennai.

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13
March
2021

Carrier Guidance
(for IV years)

MR.RICHARD CAROL DANABALAN
Senior Executive, Reserve
bank,Chennai

Expert Talk

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GUEST LECTURE

“Role of software Agents in AI”

Date: 29.03.2021

Chief Guest Mr Ahmed Khalid, Vice President, Imarticus Learning.

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23 YEARS EXCELLENCE

NBA NATIONAL BOARD OF ACCREDITATION **NAAC**

Department of IT Organizes

29 March 2021

Role of software Agents in AI
(for III years)

MR. AHMED KHALID
Vice President
Imarticus Learning

Expert Talk

IN ASSOCIATION WITH

IEEE computer society, acm, COMPUTER SOCIETY OF INDIA, CISCO Networking Academy, intel Intelligent Systems

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E-Mail:saec@saec.ac.in

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GUEST LECTURE

“Stress Management through yoga”

Date:01.04.2021

Conducted for IV year students as a part of their future endeavours. A heads up to how to practice a healthy living.

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23 YEARS OF EXCELLENCE

NBA NATIONAL BOARD OF ACCREDITATION

NAAC 'A' GRADE

Department of IT
Organizes
01 April 2021
Stress Management through Yoga
(for IV years)

MR.CHANDRAKANT DEODA
Senior Technical Delivery Manager,
Visteon Corporation Pvt Ltd

Expert Talk

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COMPUTER SOCIETY OF INDIA
ESTD. 1985

CISCO
Networking Academy

Intel
Intelligent Systems

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GUEST LECTURE

“Multicore Architecture”

Date: 10.04.2021

Chief Guest Mr. A. Surenderan, Senior Software Engineer, Capgemini, India.

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23 YEARS OF EXCELLENCE

IEEE

NBA NATIONAL BOARD OF ACCREDITATION

NAAC 'A' GRADE

Department of IT Organizes

10 April 2021

Multicore Architecture
(for II years)

MR. A. SURENDERAN
Senior Software Engineer
Capgemini, Chennai

Expert Talk

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CODING CONTEST - CODE CHEF

Date: 08.03.2021

Coding contest was conducted for all the years, with help of Code chef, limited.

The poster features a background of binary code (0s and 1s). At the top left is the S.A. Engineering College logo. The main text reads: 'S.A. ENGINEERING COLLEGE (An Autonomous Institution Affiliated to Anna University, Chennai) Accredited by NBA, NAAC 'A' Grade & ISO 9001:2015 certified Institution Poonamallee - Avadi Main Road, Thiruverkadu, Chennai - 600 077'. Below this are logos for '23 YEARS EXCELLENCE', 'CODECHEF', 'NBA NATIONAL BOARD OF ACCREDITATION', and 'NAAC'. The central text says 'Department of IT Organizes CODING CONTEST (for All years) 08 March 2021'. At the bottom, it says 'IN ASSOCIATION WITH' followed by logos for IEEE Computer Society, ACM, Computer Society of India, Cisco Networking Academy, and Intel Intelligent Systems. Contact information is provided at the bottom left, and 'TNEA Counselling Code 1114' is at the bottom right.

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23 YEARS EXCELLENCE **CODECHEF** **NBA** **NAAC**

Department of IT
Organizes
CODING CONTEST
(for All years)
08 March 2021

IN ASSOCIATION WITH

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VALUE ADDED COURSE**“Robotics & Artificial Intelligence By Ashtrix Robotics & Research Centre”****Date: 17.02.2021 to 17.06.2021**

In total 43 topics were covered under the topic. In which about 12 were conducted offline and the rest online.

Here is the list of topics that were covered.

1. Introduction to Robotics
2. 3 Structure Model of Robot
3. Basics of Mechanics Involved in Robot
4. Electronics Involved
5. Various Input Signals
6. Actuators
7. Control Flow
8. Digital Electronics for Robotics
9. Integrated Circuits
10. Logic Framework without Programming
11. POS and SOP
12. K-Maps for Robotics
13. Mini Project using Control System
14. Edge Avoider Robot Model using K-Maps

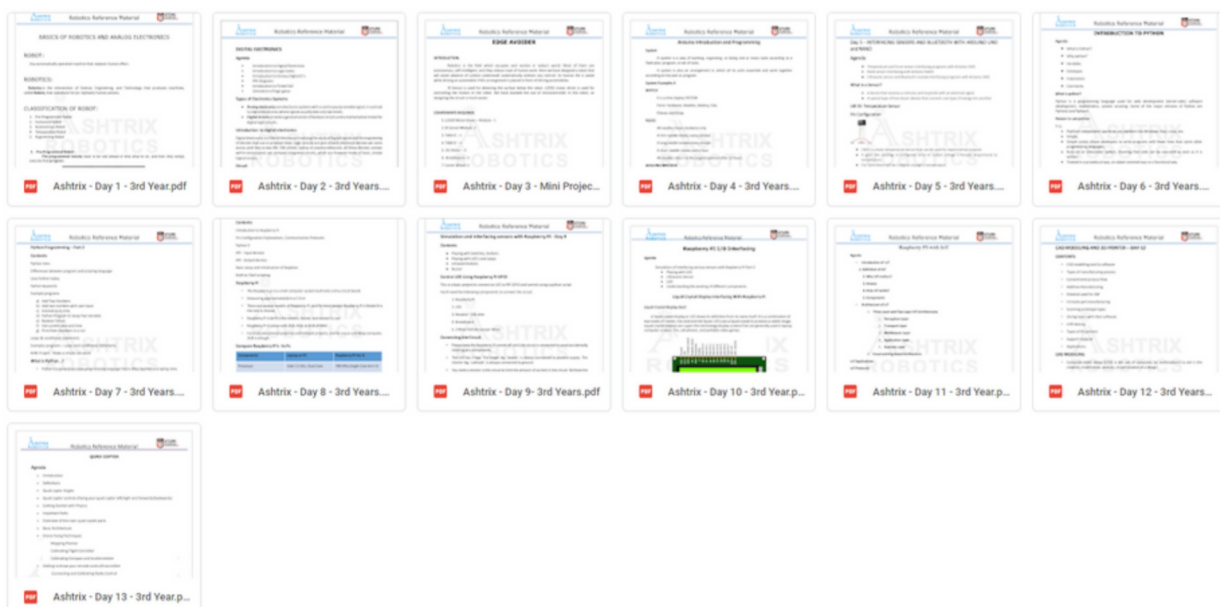
VALUE ADDED COURSE

15. Line Tracer Robot using K Maps
16. Introduction to Embedded Systems
17. Embedded Programming
18. Arduino Hardware
19. Decision making statements in AVR Micro Controllers
20. Experiments using Decision-making statements in AVR
21. Selection statements in AVR Micro Controllers
22. Experiments using Selection statements in AVR
23. Iteration statements in AVR Micro Controllers
24. Experiments using Iteration statements in AVR
25. Exploring a new set of Analog and Digital Sensors
26. Wireless Communication: Bluetooth
27. Bluetooth Controlled Robots
28. Introduction to Robotics
29. 3 Structure Model of Robot
30. Basics of Mechanics Involved in Robot
31. Electronics Involved
32. Various Input Signals
33. Actuators
34. Control Flow
35. Digital Electronics for Robotics

VALUE ADDED COURSE

36. Integrated Circuits
37. Logic Framework without Programming
38. POS and SOP
39. K-Maps for Robotics
40. Mini Project using Control System
41. Edge Avoider Robot Model using K-Maps
42. Line Tracer Robot using K Maps
43. Introduction to Embedded Systems

- All Practicals were done through an online Python compiler (Colab)
- Robotic Circuits were built through online simulators.
- Weekly one day classes were held, It was a total of 12 days course.



PLACEMENT ACTIVITIES:

ACTIVITIES FOR IV YEAR:

Training was conducted in the following period.

- May 2021-June 2021

PLACEMENT DRIVES CONDUCTED IN S.A.ENGINEERING COLLEGE

SL.NO	STUDENT NAME	COMPANY NAME	DESIGNATION	SALARY/AN NUM
1	JERALD ASTIN D	AVASOFT	TRAINEE ENGINEER	4L
2	SAMSON PAUL P	HEXAWARE	GRADUATE ENGINEER TRAINEE	3.5L
3	RAKSHITHA T	TCS	Assistant System Engineer-Trainee	3.6L
4	PAVETHRAN M	TRADALA TRADE SOLUTIONS PVT LTD	SOFTWARE DEVELOPER	1.8L
5	PRAVEEN R	CLARIUM TECH	TRAINEE ENGINEER	3.5L
6	VARSHAA S	SUTHERLAND	Associate	2.5L
7	MADHUMATHI R	SUTHERLAND	Associate	2.5L
8	PRADEEP KUMAR G	SUTHERLAND	Associate	2.5L
9	DIVYA PRIYA	SUTHERLAND	Associate	2.5L
10	SIDDHARTH R	SUTHERLAND	Associate	2.5L
11	ARVINDH S	SUTHERLAND	Associate	2.5L
12	PAVETHRAN M	Shiash Info Solutions	TRAINEE ENGINEER	1.8L

PLACEMENT ACTIVITIES:

PLACEMENT DRIVES CONDUCTED IN S.A.ENGINEERING COLLEGE

13	PAVITHRA M	HCL	Software Engineer	3.5L PA
14	REDDY CHETANA K	HCL	Software Engineer	3.5L PA
15	BALAJI	MSC Technology	JUNIOR DEVELOPER- SQL	3.24L PA
16	ABISHEK S	MSC Technology	JUNIOR DEVELOPER- DOTNET	3.24L PA
17	NANDHINI	ROBOTIX LEARNING	TRAINEE - PYTHON DEVELOPER	2.21L PA
18	HARIHARAN	ROBOTIX LEARNING	TRAINEE - PYTHON DEVELOPER	2.21L PA
19	DANUSH	EARNEY DIGITAL SERVICE SOLUTIONS	TRANIE FULL STACK DEVELOPER	3L PA
20	SWATHI J	SUTHERLAND Non-Voice	Associate	2.5L PA
21	YUVARANI M S	SUTHERLAND Non-Voice	Associate	2.5L PA
22	KARTHIKA M	SUTHERLAND Non-Voice	Associate	2.5L PA
23	AGALYA R	SUTHERLAND Non-Voice	Associate	2.5L PA
24	SUBASH S	SUTHERLAND Non-Voice	Associate	2.5L PA
25	JEEVITHA B	SUTHERLAND Non-Voice	Associate	2.5L PA
26	MANJULA B	SUTHERLAND Non-Voice	Associate	2.5L PA
27	BALAJI	SUTHERLAND Non-Voice	Associate	2.5L PA
28	GAYATHRI M	SUTHERLAND Non-Voice	Associate	2.5L PA

PLACEMENT ACTIVITIES:

PLACEMENT DRIVES CONDUCTED IN S.A.ENGINEERING COLLEGE

29	VARSHANTHINI R	QSPIDER	Software Trainee	1.8 L
30	VASANTHA GANESH A	QSPIDER	Software Trainee	1.8 L
31	JEEVITHA B	KRG Technologies	Resource Executive	2.5L
32	KALYAN KUMAR R S	QSPIDER	Software Trainee	1.8 L
33	VIGNESH RAJ	INTELLECT	TRAINEE	3.5 L
34	ARAVIDH	INTELLECT	Software Trainee	3.5 L
35	JEEVITHA B	CAPGEMINI	Analyst	3L
36	DANUSH	Infosys	System Engineer Trainee	3.5 L
37	VARSHANTHINI R	Wipro	Project Engineer	3.5L
38	AKSHAYA K	Wipro	Trainee	3.5L
39	BOOBALAN M	CTS	Programmer Analyst Trainee	4L
40	HARISH KUMAR G	CTS	Programmer Analyst Trainee	4L
42	SANJAY KUMAR	CTS	Programmer Analyst Trainee	4L
43	SAIRAM J	HCL	Software Engineer	3.6L
44	ROSHINI A R	Thirdware	Software Engineer	4L
45	SHIVANI SREE	Capgemini	Analyst	3.8L
46	SRUTHI N	Intellect	System Trainee	3.5L
47	LAKSHMI POOJA M	Renault Nissan	Graduate Engineer	3.5L