K.S. RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE – 637 215

An Autonomous Institution, Affiliated to Anna University, Chennai

Value Added Courses

KSRCT facilitates the students to keep pace with the latest technologies pertaining to their chosen field of studies. We have offered plenty of value added programmes wherein the students are getting trained well. The students have the option to choose the courses according to their desires and inclinations. From the expertise, students gain knowledge through the value added programmes, which will enable them to face the formidable challenges of the future. Many students have been benefited every year. It provides training and guidance to the students on the various aspects of building a career and to assist them in exploring new opportunities.

It is mandatory to choose at least one course per year by each and every student. The course focusses on skill based one. It will be handled by experts from industry, external experts and internal resource persons. The course should be minimum of 15 hours with one credit and maximum of 45 hours with three credit. It has to be approved by the Governing Body. Assessment to be done with 50% weightage via assignment and remaining 50% weightage via end semester examination. Depending upon the needs of the employers, society, local and global markets, the various value added courses imparting transferable life skills are offered by the institution. A total of 107 different value-added courses were offered in the last 3 years.

The impact of these value added courses signify a fruitful career building, improves placement opportunities, and it improves leadership quality through different centre of excellences.

CAY(2023-24)					
S.No.	**Name of the Value added Course**	**Academic Year**	**Duration of Course**	**Number of Students enrolled**	**Number of students completed the course**
1.	Java - J2EE/Full Stack	2023-2024	414 Hours	351	351
2.	PCB designing using Altium design	2023-2024	30 Hours	21	21
3.	Google Cloud Fundamentals	2023-2024	30 Hours	61	61
4.	Automation Testing tool	2023-2024	30 Hours	60	60
5.	PCB Designing and IoT	2023-2024	30 Hours	32	32
6.	Mobile Application Development	2023-2024	30 Hours	30	30
7.	MATLAB for EV and Robotics	2023-2024	30 Hours	35	35
8.	Surface Embellishment	2023-2024	35 Hours	63	63
9.	Computer Colour Matching	2023-2024	35 Hours	65	65
10.	CATIA V 5 R 20	2023-2024	50 Hours	24	24
11.	SOLIDWORKS	2023-2024	54 Hours	18	18
12.	Stock Trading	2023-2024	30 Hours	60	60

CAYm1(2022-23)					
S.No.	**Name of the Value added Course**	**Academic Year**	**Duration of Course**	**Number of Students enrolled**	**Number of students completed the course**
1.	Java - J2EE	2022-2023	384 Hours	373	373
2.	Blockchain and its Applications	2022-2023	32 Hours	60	60
3.	Hadoop	2022-2023	32 Hours	60	60
4.	Cloud Analytics	2022-2023	32 Hours	60	60
5.	Courses offered by INFOSYS – Springboard (Python Programming)	2022-2023	30 Hours	389	389
6.	Building Information Modelling	2022-2023	30 Hours	14	14
7.	Hands on training for AutoCAD	2022-2023	35 Hours	40	40
8.	CATIA V5 R20	2022-2023	50 Hours	26	26
9.	ANSYS	2022-2023	80 Hours	20	20
10.	Stock Trading	2022-2023	30 Hours	57	57
11.	Foundation Programme on MATLAB	2022-2023	30 Hours	30	30
12.	PCB Design	2022-2023	30 Hours	34	34
13.	Embedded C - Level-1 (Beginner)	2022-2023	30 Hours	89	89
14.	Advanced Power Bi	2022-2023	30 Hours	58	58
15.	Basics of PCB Design	2022-2023	30 Hours	104	104
16.	Troubleshoot smart phone Hardware	2022-2023	30 Hours	74	74
17.	Graphical System Design using labVIEW	2022-2023	30 Hours	35	35
18.	CREO for Analyst	2022-2023	30 Hours	49	49
19.	Reverse Engineering	2022-2023	35 Hours	40	40
20.	AutoCAD 2022	2022-2023	40 Hours	44	44
21.	Garment Merchandising	2022-2023	35 Hours	65	65
22.	Digital Printing	2022-2023	35 Hours	65	65

CAYm2(2021-22)				
S.No.	**Name of the Value added Course**	**Academic Year**	**Number of Students enrolled**	**Number of students completed the course**
1.	Digital Marketing	2021-2022	25	20
2.	Synthesis and Applications of Carbon Nanotubes	2021-2022	55	55
3.	Hands on training to trouble shoot smart phone hardware	2021-2022	97	97
4.	REVIT ARCHITECTURE	2021-2022	40	35
5.	SKETCH UP	2021-2022	62	62
6.	PCB Designing	2021-2022	33	33
7.	Solar PV System Design, Installation and Project Engineering	2021-2022	31	31

8.	Theoretical & Hands-on training in Ardunio	2021-2022	54	51
9.	PCB Designing and fabrication	2021-2022	30	300
10.	Creo 3.0	2021-2022	68	68
11.	Autodesk Fusion 360 Training	2021-2022	30	30
12.	Hands on Training for 3D Printer	2021-2022	35	35
13.	Geometric Dimension and Tolerance	2021-2022	46	46
14.	Welding Technology	2021-2022	39	39
15.	Cyber Security Virtual Internship Program	2021-2022	25	25
16.	Online learning courses 2021	2021-2022	263	263
17.	Blockchain and its Applications	2021-2022	116	116
18.	Onlline Learning Courses 2021	2021-2022	24	24
19.	Phytochemistry and Natural products	2021-2022	40	40
20.	Food product and Development	2021-2022	42	42
21.	Computational Genomics	2021-2022	21	21
22.	Medical Coding and Pharmacovigilance	2021-2022	14	14
23.	Cloud Analytics	2021-2022	60	60
24.	NETACAD USING PYTHON	2021-2022	42	42
25.	Hands-on Training to Trouble Shoot Smart Phone Hardware	2021-2022	59	59
26.	Basics Of PCB Design	2021-2022	56	56
27.	AUTOCAD 2022	2021-2022	194	194
28.	Additive Manufacturing	2021-2022	03	03
29.	Food Product Development	2021-2022	10	10
30.	Medical Coding And Pharmacovigilance	2021-2022	10	10
31.	Value Added Course On Ansys Software	2021-2022	05	05
32.	Ict Skill Edge	2021-2022	117	117
33.	Primavera P6	2021-2022	14	14
34.	Technical Fibre And Its Applications	2021-2022	66	66
35.	Garment Merchandising	2021-2022	81	81
36.	Garment Merchandising	2021-2022	81	81

CAYm3(2020-21)

S.No.	Name of the Value added Course	Academic Year	Duration of Course	Number of Students enrolled	Number of students completed the course
1.	Autocad - Hands on Training	2020-2021	30 hours	14	14
2.	REVIT Software - Hands on Training	2020-2021	30 hours	31	31
3.	TEKLA Software - Hands on Training	2020-2021	30 hours	26	26
4.	Synthesis and Application of Carbon Nanotubes	2020-2021	30 hours	55	55
5.	CREO 3.0	2020-2021	70 hours	40	40
6.	Embedded Systems	2020-2021	30 hours	40	40

7.	Industrial Automation	2020-2021	50 hours	38	38
8.	Spark	2020-2021	32 hours	43	43
9.	Digital Marketing	2020-2021	30 hours	20	20
10.	CISCO	2020-2021	70 hours	197	197
11.	Full Stack Development	2020-2021	160 hours	30	30
12.	Software Testing	2020-2021	120 hours	30	30
13.	Machine Learning using Python	2020-2021	30 hours	125	125
14.	Hardware Design	2020-2021	30 hours	73	73
15.	Basics of PCB Design	2020-2021	30 hours	96	96
16.	WIPRO Talent Next Project Readiness Programme	2020-2021	240 hours	185	185
17.	Associate Quality Professional	2020-2021	30 hours	54	54
18.	Garment Merchendising	2020-2021	30 hours	131	131
19.	Textile Chemical Processing	2020-2021	30 hours	66	66
20.	New Product Development	2020-2021	30 hours	30	30
21.	Grain Storage and Processing	2020-2021	30 hours	30	30
22.	Application of Human Sensorium to Analys and Evaluate Food Sample	2020-2021	30 hours	30	30
23.	MS Windows Linux	2020-2021	32 hours	70	70
24.	Industrial Automation with SCADA	2020-2021	30 hours	17	17
25.	Career Competency Development I	2020-2021	30 hours	711	711
26.	Career Competency Development II	2020-2021	30 hours	711	711
27.	Career Competency Development III	2020-2021	30 hours	569	569
28.	Career Competency Development IV	2020-2021	30 hours	569	569
29.	Career Competency Development V	2020-2021	30 hours	889	889
30.	Learnathon	2020-2021	94 hours	1991	1991
31.	Cloud Infrastructure and Its Services	2020-2021	100 hours	64	64
32.	Skill Edge	2020-2021	47 hours	944	944
33.	Hands on Creo 3	2020-2021	32 hours	38	38
34.	Hands on 3D Printer	2020-2021	32 hours	35	35
35.	MATLAB for Engineers	2020-2021	30 hours	33	33
36.	Smart Gird Substation Automation	2020-2021	30 hours	33	33
37.	Solar PV Technology	2020-2021	30 hours	32	32

CAYm4(2019-20)					
S.No.	**Name of the Value added Course**	**Academic Year**	**Duration of Course**	**Number of Students enrolled**	**Number of students completed the course**
1.	Autocad - Hands on Training	2019-2020	30 hours	26	26
2.	REVIT Architecture - Hands on Training	2019-2020	30 hours	40	40
3.	TEKLA Software - Hands on Training	2019-2020	30 hours	32	32
4.	Weldability of Materials	2019-2020	30 hours	73	73
5.	Labview	2019-2020	50 hours	40	40
6.	PLC	2019-2020	80 hours	40	40
7.	Unigraphics	2019-2020	50 hours	40	40
8.	Welding Engineering	2019-2020	30 hours	47	47
9.	Welding Process	2019-2020	30 hours	47	47
10.	Cloud literacy day	2019-2020	30 hours	209	209
11.	National Communication skill challenge	2019-2020	8 hours	100	95
12.	Digital Marketing	2019-2020	30 hours	44	38
13.	Full Stack Development	2019-2020	160 hours	35	35
14.	Software Testing	2019-2020	75 hours	32	32
15.	3D Printing and Design	2019-2020	35 hours	70	50
16.	Hardware Design	2019-2020	30 hours	126	126
17.	Basics of VHDL	2019-2020	30 hours	152	152
18.	Matlab	2019-2020	30 hours	126	126
19.	Basics of PCB Design	2019-2020	30 hours	126	126
20.	WIPRO Talent Next Project Readiness Programme	2019-2020	240 hours	150	150
21.	Associate Quality Professional	2019-2020	30 hours	39	39
22.	Garment Merchendising	2019-2020	30 hours	54	54
23.	Textile Chemical Processing	2019-2020	30 hours	50	50
24.	New Product Development	2019-2020	30 hours	30	30
25.	Grain Storage and Processing	2019-2020	30 hours	30	30
26.	Application of Human Sensorium to Analys and Evaluate Food Sample	2019-2020	30 hours	30	30
27.	MS Office word	2019-2020	32 hours	70	70
28.	Internet of Things(IOT)	2019-2020	30 hours	44	44
29.	CATIA V5 R20	2019-2020	50 hours	28	28
30.	Designing Solar Power System	2019-2020	30 hours	30	30
31.	Phytochemistry and Natural Products	2019-2020	30 hours	40	40

32.	Career Competency Development I	2019-2020	30 hours	572	572
33.	Career Competency Development II	2019-2020	30 hours	572	572
34.	Career Competency Development III	2019-2020	30 hours	889	889
35.	Career Competency Development IV	2019-2020	30 hours	889	889
36.	Career Competency Development V	2019-2020	30 hours	902	902
37.	Learnathon	2019-2020	133 hours	1810	1810
38.	MATLAB for Engineers	2019-2020	30 hours	31	31
39.	Solar PV Technology	2019-2020	30 hours	33	33
40.	Smart Gird Substation Automation	2019-2020	30 hours	31	31
41.	Automation Anywhere – BoT	2019-2020	30 hours	371	371
42.	Computational Genomics	2019-2020	30 hours	41	41