



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited with 'A' grade by NAAC
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.



DEPARTMENT OF MECHATRONICS ENGINEERING **SCHOOL OF MECHANICAL**

05.04.2021

Ref: SIST/MECHATRONICS / ELECTIVE / ODD / 2021-2022 - 1

STUDENT CIRCULAR

The registration of the elective courses for VII semester B.E – Mechatronics Engineering students (Batch 2018 – 2022) has been initiated. In this regard the students are asked to give their choice of elective to the year coordinator on or before 09.04.2021 before 3.00 P.M. Alteration of courses is not entertained, if any student wants to alter the course, the request has to be intimated through year coordinator for approval from Dean. The list of courses offered by the Department of Mechatronics /School of Mechanical is attached.

Note:

- Department of Electronics & Communication Engineering is offering **SECA3003 Embedded processors** and Department of computer science Engineering is offering **SITA3008 Internet of things** as open elective course, where the students can give this as **third choice on selection**.
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Last date for registration for Elective course is 09th April 2021.

For further clarification contact

Year Coordinator

Dr. J R Deepak

Mobile No: 9047382398

Dean

School of Mechanical Engineering

Copy to:

All Deans, Heads and Staff room

For circulation to IV-year Mechatronics Engineering classroom

Sl. No.	COURSE CODE	ELECTIVE COURSES (GROUP A) COURSE TITLE	L	T	P	C	PAGE No.
1	SME1308	Finite element analysis	3	0	0	3	96
2	SME1607	Computational fluid dynamics	3	0	0	3	98
3	SME1614	Experimental Stress Analysis	3	0	0	3	100
4	SPR1604	Design for Manufacture and Assembly	3	0	0	3	102
5	SPR1616	Rapid Prototyping	3	0	0	3	104
6	SIC1612	Adaptive Control Systems	3	0	0	3	106
7	SIC1610	Ultrasonic Instrumentation	3	0	0	3	108
8	SIC1614	Soft Computing Techniques	3	0	0	3	110

ELECTIVE COURSES (GROUP B)

1	SEC1314	Digital Signal Processing	3	0	0	3	112
2	SIC1404	Instrumentation in Industries	3	0	0	3	114
3	SPR1602	Artificial intelligence and expert systems	3	0	0	3	116
4	SPR1607	Industrial Safety Engineering	3	0	0	3	118
5	SPR1605	Flexible Manufacturing Systems	3	0	0	3	120
6	SEC1609	Fundamentals of Fuzzy Logic and Artificial Neural Networks	3	0	0	3	122
7	SMR1601	Virtual Instrumentation	3	0	0	3	124
8	SEC1615	Nano electronics	3	0	0	3	126
9	SEE1608	Computer Aided Design	3	0	0	3	128
10	SIC1310	Theory of Robotics	3	0	0	3	130
11	SIC1608	Power Plant Instrumentation	3	0	0	3	132

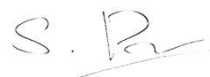
DEPARTMENT OF MECHATRONICS ENGINEERING**SCHOOL OF MECHANICAL****Students CBCS / Elective Course List 2021 – 2022****IV Year - VII SEM - Mechatronics Engineering 2018 - 2022 Batch**

SL NO	REG NO	NAME	SEC1615 Nanoelectronic s	SECA3003 Embedde d processor s	SITA3008 Internet of things	SME1308 Finite element analysis
1	38090001	AATHISHANKARAN. K. S	YES	YES	NO	NO
2	38090002	AMAN DINODIYA	YES	NO	YES	NO
3	38090003	BALA KABILAN. R	YES	NO	NO	YES
4	38090004	DARVIN. V	YES	NO	NO	YES
5	38090005	DHANAPRASATH. G	YES	NO	NO	YES
6	38090006	EZHUMALAI. A	YES	NO	NO	YES
7	38090702	HARI PRASAD. CH	YES	NO	YES	NO
8	38090703	HARISH. V	YES	NO	YES	NO
9	38090008	JOHN BRUTTUS. R	YES	NO	YES	NO
10	38090009	JOHN. B	YES	NO	NO	YES
11	38090010	KAMALINEE. S	YES	NO	NO	YES
12	38090011	KARTHICK RAJA. S	YES	NO	YES	NO
13	38090012	LOKESH. G	YES	NO	NO	YES
14	38090013	MANI. C	YES	NO	NO	YES
15	38090014	NARESH. S	YES	NO	NO	YES
16	38090015	NAVEEN. G	YES	YES	NO	NO
17	38090016	NESARAJ.D	YES	NO	NO	YES
18	38090017	RAGHAVENDRA. R	YES	NO	YES	NO
19	38090018	SABEER KHAN. J	YES	NO	YES	NO
20	38090901	SAM THOMAS. U	YES	NO	NO	YES
21	38090701	SHAIK VALI ABDUL HAQ	YES	YES	NO	NO
22	38090019	SIVASURYA. P	YES	NO	NO	YES
23	38090020	SRIRAM. S	YES	NO	NO	YES
24	38090021	VIGNESHWAR. M	YES	YES	NO	NO

DEPARTMENT OF MECHATRONICS ENGINEERING
SCHOOL OF MECHANICAL

Students CBCS / Elective Course List 2021 – 2022
IV Year - VII SEM - Mechatronics Engineering 2018 - 2022 Batch

SL NO	REG NO	NAME	Elective - III	Elective - II
1	38090001	AATHISHANKARAN. K. S	SECA3003 Embedded processors	SEC1615 Nanoelectronics
2	38090015	NAVEEN. G	SECA3003 Embedded processors	SEC1615 Nanoelectronics
3	38090021	VIGNESHWAR. M	SECA3003 Embedded processors	SEC1615 Nanoelectronics
4	38090701	SHAIK VALI ABDUL HAQ	SECA3003 Embedded processors	SEC1615 Nanoelectronics
5	38090002	AMAN DINODIYA	SITA3008 Internet of things	SEC1615 Nanoelectronics
6	38090008	JOHN BRUTTUS. R	SITA3008 Internet of things	SEC1615 Nanoelectronics
7	38090011	KARTHICK RAJA. S	SITA3008 Internet of things	SEC1615 Nanoelectronics
8	38090017	RAGHAVENDRA. R	SITA3008 Internet of things	SEC1615 Nanoelectronics
9	38090018	SABEER KHAN. J	SITA3008 Internet of things	SEC1615 Nanoelectronics
10	38090702	HARI PRASAD. CH	SITA3008 Internet of things	SEC1615 Nanoelectronics
11	38090703	HARISH. V	SITA3008 Internet of things	SEC1615 Nanoelectronics
12	38090003	BALA KABILAN. R	SME1308 Finite element analysis	SEC1615 Nanoelectronics
13	38090004	DARVIN. V	SME1308 Finite element analysis	SEC1615 Nanoelectronics
14	38090005	DHANAPRASATH. G	SME1308 Finite element analysis	SEC1615 Nanoelectronics
15	38090006	EZHUMALAI. A	SME1308 Finite element analysis	SEC1615 Nanoelectronics
16	38090009	JOHN. B	SME1308 Finite element analysis	SEC1615 Nanoelectronics
17	38090010	KAMALINEE. S	SME1308 Finite element analysis	SEC1615 Nanoelectronics
18	38090012	LOKESH. G	SME1308 Finite element analysis	SEC1615 Nanoelectronics
19	38090013	MANI. C	SME1308 Finite element analysis	SEC1615 Nanoelectronics
20	38090014	NARESH. S	SME1308 Finite element analysis	SEC1615 Nanoelectronics
21	38090016	NESARAJ.D	SME1308 Finite element analysis	SEC1615 Nanoelectronics
22	38090019	SIVASURYA. P	SME1308 Finite element analysis	SEC1615 Nanoelectronics
23	38090020	SRIRAM. S	SME1308 Finite element analysis	SEC1615 Nanoelectronics
24	38090901	SAM THOMAS. U	SME1308 Finite element analysis	SEC1615 Nanoelectronics



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SCHOOL OF MECHANICAL

05.04.2021

Ref: SIST/MECHATRONICS / ELECTIVE / ODD / 2021-2022 - 2

STUDENT CIRCULAR

The registration of the elective courses for V semester B.E – Mechatronics Engineering students (Batch 2019 – 2023) has been initiated. In this regard the students are asked to give their choice of elective to the year coordinator on or before 09.04.2021 before 3.00 pm. Alteration of courses is not entertained, if any student wants to alter the course, the request has to be intimated through year coordinator for approval from Dean. The list of courses offered by the Department of Mechatronics /School of Mechanical is attached.

Note:

- Department of Electronics & Communication Engineering, Automobile Engineering, Aeronautical Engineering, Electrical Engineering, Computer science Engineering, Visual Communication are offering the following courses as open elective course, where the students can give this as **choice on course selection**.

SAEA1503 Computational Fluid Dynamics for Aerospace Application
SAU1604 Hybrid and Electric Vehicles
SCIA3002 Air and Noise Pollution
SCSA3019 Augmented and Virtual Reality
SEE1611 Electric Vehicles
SITA3008 Internet of Things
SPR1611 Non-Destructive Testing and Techniques
SVCA2501 Film Appreciation
Deep Learning Neural Networks
Drone Electronics
Embedded Processors
Industrial Internet of Things

OPEN ELECTIVE COURSES									
Sl. No.	Course Code	Course Title	L	T	P	C	Marks		Page No.
							CAE	ESE	
1	SALA4001	Intellectual Property Law	3	0	0	3	50	50	A1
2	SAEA4001	Fundamentals of Aerospace Technology	3	0	0	3	50	50	A2
3	SBAA4001	Fundamentals of Management	3	0	0	3	50	50	A3
4	SBAA4002	Principles of Management and Professional Ethics	3	0	0	3	50	50	A4
5	SBTA4001	Biology for Engineers	3	0	0	3	50	50	A5
6	SBMA4001	Neurology	3	0	0	3	50	50	A6
7	SBMA4002	Modelling of Physiological Systems	3	0	0	3	50	50	A7
8	SBMA4003	Drug Delivery System	3	0	0	3	50	50	A8
9	SBMA4004	Fundamentals of Mechatronics	3	0	0	3	50	50	A9
10	SBMA4005	Virtuality and Augmented Reality	3	0	0	3	50	50	A10
11	SBMA4006	Medical Optics and Laser Applications	3	0	0	3	50	50	A11
12	SBMA4007	Forensic Science	3	0	0	3	50	50	A12
13	SBMA4008	Artificial Intelligence and Expert Systems	3	0	0	3	50	50	A13
14	SBMA4009	Human Factors in Engineering and Design	3	0	0	3	50	50	A14
15	SCHA4001	Corrosion Engineering	3	0	0	3	50	50	A15
16	SCHA4002	Energy Engineering	3	0	0	3	50	50	A16
17	SCHA4003	Environmental Impact Assessment	3	0	0	3	50	50	A17
18	SCHA4004	Environmental Pollution and Control	3	0	0	3	50	50	A18
19	SCIA4001	Disaster Management	3	0	0	3	50	50	A19
20	SCSA4001	R Programming	3	0	0	3	50	50	A20
21	SCSA4002	5 G Networks	3	0	0	3	50	50	A21
22	SECA4001	Software Tools for Engineering Applications	3	0	0	3	50	50	A22
23	SMEA4001	Resource Management Techniques	3	0	0	3	50	50	A23
24	SMEA4002	Wind and Solar Energy	3	0	0	3	50	50	A24

L - LECTURE HOURS, T – TUTORIAL HOURS, P – PRACTICAL HOURS, C – CREDITS

CAE – CONTINUOUS ASSESSMENT EXAMINATION,

ESE – END SEMESTER EXAMINATION

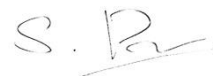
Last date for registration for Elective course is 09th April 2021.

For further clarification contact

Year Coordinator

Dr. J Lilly Mercy

Mobile No: 9940319604



Dean

School of Mechanical Engineering

Copy to:

All Deans, Heads and Staff room

For circulation to III-year Mechatronics Engineering classroom

DEPARTMENT OF MECHATRONICS ENGINEERING**SCHOOL OF MECHANICAL****Students Open Elective Course List 2021 – 2022****III Year - V SEM - Mechatronics Engineering 2019 - 2023 Batch**

SL No	Register Number	Name of the Student	Course name
1	39090001	ANIRUDH R.P.	Deep Learning Neural Networks
2	39090020	S.KRISHNA PRASATH	Deep Learning Neural Networks
3	39090028	MUGHILAN R.B.	Deep Learning Neural Networks
4	39090048	SARAN SUNDAR	Deep Learning Neural Networks
5	39090051	SNEKANTH B.	Deep Learning Neural Networks
6	39090053	SRINIVAS P.	Deep Learning Neural Networks
7	39090055	SUDHARSHAN N.	Deep Learning Neural Networks
8	39090060	D.VIGNESH	Deep Learning Neural Networks
9	39090701	PONMUTHU P.	Deep Learning Neural Networks
10	39090702	DEEPAK SAI C.M.	Deep Learning Neural Networks
11	39090015	S.KARTHIKEYAN	Drone Electronics
12	39090040	RAAGAV S.R	Drone Electronics
13	39090034	NISHANTH	Embedded Processors
14	39090004	ASVIN KUMAR T.	Industrial Internet of Things
15	39090006	S.BUVANESWARAN	Industrial Internet of Things
16	39090018	KISHAAN B.S.	Industrial Internet of Things
17	39090026	MOKESHWARAN V.	Industrial Internet of Things
18	39090027	MONISHWARAN K.	Industrial Internet of Things
19	39090029	N.YASEER	Industrial Internet of Things
20	39090035	NITHISHKAR	Industrial Internet of Things
21	39090037	PRASANNA KUMAR M.	Industrial Internet of Things
22	39090041	RAGUL U.	Industrial Internet of Things
23	39090044	ROHIT S.	Industrial Internet of Things
24	39090052	SRINATH S.	SAEA1503 Computational Fluid Dynamics for Aerospace Application
25	39090003	ARUN K.	SAU1604 Hybrid and Electric Vehicles
26	39090005	B.SHANMUKH VARUN TEJA	SAU1604 Hybrid and Electric Vehicles
27	39090007	CHRIS EDWIN J.	SAU1604 Hybrid and Electric Vehicles
28	39090008	DEEPAK JEFFERSON.	SAU1604 Hybrid and Electric Vehicles
29	39090009	DIVAKAR	SAU1604 Hybrid and Electric Vehicles
30	39090010	P. GUMANAN	SAU1604 Hybrid and Electric Vehicles
31	39090011	G.SIDDARTHA	SAU1604 Hybrid and Electric Vehicles
32	39090012	JENIS TONY R.	SAU1604 Hybrid and Electric Vehicles
33	39090013	R. JORAPH NICHOLAS	SAU1604 Hybrid and Electric Vehicles

34	39090014	JOSEPH THAMBI KOPPADA	SAU1604 Hybrid and Electric Vehicles
35	39090016	K.R.KATHIRAVAN	SAU1604 Hybrid and Electric Vehicles
36	39090019	S.P.KISHORE	SAU1604 Hybrid and Electric Vehicles
37	39090021	KRISHNA SUBBAIAH CHARYULU V.	SAU1604 Hybrid and Electric Vehicles
38	39090022	KRISHNAKAANTH M.	SAU1604 Hybrid and Electric Vehicles
39	39090023	MELVIN ANDERSON	SAU1604 Hybrid and Electric Vehicles
40	39090024	MOHAMED RASHIK M.	SAU1604 Hybrid and Electric Vehicles
41	39090025	MOHANA PRAKASH R.	SAU1604 Hybrid and Electric Vehicles
42	39090032	NEVYA K. ABRAHAM	SAU1604 Hybrid and Electric Vehicles
43	39090033	NIRANJAN PRABAKARAN	SAU1604 Hybrid and Electric Vehicles
44	39090042	RAHUL S.	SAU1604 Hybrid and Electric Vehicles
45	39090043	RAMANAN A.	SAU1604 Hybrid and Electric Vehicles
46	39090045	K.RUBAN	SAU1604 Hybrid and Electric Vehicles
47	39090054	SRIRAMAN G.	SAU1604 Hybrid and Electric Vehicles
48	39090057	THARUN A.	SAU1604 Hybrid and Electric Vehicles
49	39090058	THARUN KUMAAR R.	SAU1604 Hybrid and Electric Vehicles
50	39090061	VIGNESH S.	SAU1604 Hybrid and Electric Vehicles
51	39090703	LOKESH M.	SAU1604 Hybrid and Electric Vehicles
52	39090704	BHARGAVA RAO P.	SAU1604 Hybrid and Electric Vehicles
53	39090706	S.SABARI GANESH	SAU1604 Hybrid and Electric Vehicles
54	39090901	N KIRUBAKARAN	SAU1604 Hybrid and Electric Vehicles
55	39090059	T.VENKATARAMANAN	SCIA3002 Air and Noise Pollution
56	39090017	R. KAUSHIK	SCSA3019 Augmented and Virtual Reality
57	39090030	NARENE RICHARD J.	SCSA3019 Augmented and Virtual Reality
58	39090036	PRABHU RAJA S.	SCSA3019 Augmented and Virtual Reality
59	39090038	PRAVEEN KANNA U.K.	SCSA3019 Augmented and Virtual Reality
60	39090039	PUGAZH SIVAKUMAR	SCSA3019 Augmented and Virtual Reality
61	39090056	B.SURYA	SCSA3019 Augmented and Virtual Reality
62	39090705	PRASANTH S.	SCSA3019 Augmented and Virtual Reality
63	39090050	SHEGUN S.	SEE1611 Electric Vehicles
64	39090046	SALAMON AROCKIARAJ K.S.	SITA3008 Internet of Things
65	39090047	K.SANTHOSH	SITA3008 Internet of Things
66	39090049	SHAIK BASHEER NAGOOR	SPR1611 Non-Destructive Testing and Techniques
67	39090002	ARJUN V.S.	SVCA2501 Film Appreciation
68	39090031	NAVIN I.	SVCA2501 Film Appreciation

S. R.

Dean

