



SUMATHI REDDY

INSTITUTE OF TECHNOLOGY FOR WOMEN

L e a r n i n g a t i t s b e s t

Affiliated to JNTUH - Approved by AICTE

No. SRITW/Prin/2022

Date: 07-11-2022

CIRCULAR

All the students are hereby informed that our college is offering value-added courses. Interested students can register their names to the respective course coordinator. A detailed brochure regarding the courses is available in the notice board.

Criteria for Certification: Attendance $\geq 75\%$ and marks secured $\geq 70\%$.

: Important dates:

Registrations opening date: 14-11-2022

Registrations closing date: 21-11-2022

Course start date: 24-11-2022

Course end date: 30-12-2022

Courses offered:

1. E-Vehicle design for Electronics
2. AWS(Data Center Technician)
3. DEVOPS & Android Development
4. Fundamentals of Insurance

Principal

Principal

Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (TS)

Copy to

HOD (CSE, ECE, H&SC)

Administrative Officer

In-charge, Exam Branch

Library Notice

Board All

classrooms

Course Objectives:

- To familiarize with the basic electric component configuration for the Electric Propulsion unit.
- To expose utilization of different Energy storage system and Hybridization.
- To inculcate the knowledge while resolving issue of Energy management system.
- To deliver and discuss the about architecture, power electronic based drive control systems, battery management systems and grid integration issues of Electric and Hybrid vehicles.
- To introduce students to Electric vehicles and give them a brief idea about electric vehicles, and its importance.
- This course gives some basic technical foundations regarding electric vehicles In-order to help them move on to advanced electric vehicle courses.

Course Co-coordinator:

Mr.A. Rajesh

Asst. Prof, H&SC

For Registrations Contact:9381000904

Pre-requisites:

- Students should have access to a computer with minimum requirements (Pentium 4, Windows 7, 2 GB RAM, 5 GB Hard Disk Space) and a stable Internet connection.
- Commitment to spend at least one hour per week practicing the concepts introduced in the course.

Course Start Date: 24-11-2022

Course End Date: 30-12-2022

Venue: Seminar Hall(311)

Timings: 3:10PM-4:00PM



Rajan

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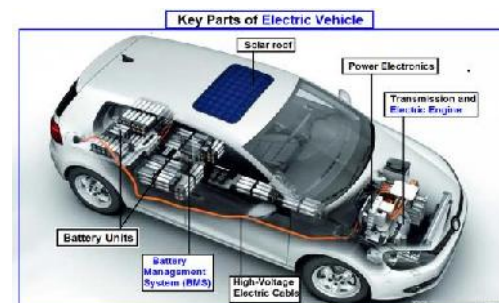


**A Course
on**

E-VEHICLE DESIGN FOR ELECTRONICS

**Organized
by**

**Department of
Electronics and
Communication Engineering**



Course Instructors:

1. **Mr.D.Koteswar rao**
Asst. Prof, ECE
2. **Mr.M. Ramu**
Asst. Prof, ECE



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E-VEHICLE DESIGN FOR ELECTRONICS

Date: 24-11-2022 to 30-12-2022

Course Content

- Electric Propulsion unit.
- Introduction to Electric Vehicle Dynamics.
- Introduction to electric components used in electric vehicles.
- Configuration and control of DC Motor drives.
- Configuration and control of Induction Motor drives,
- Configuration and control of Permanent Magnet Motor drives.
- Configuration and control of Switch Reluctance Motor drives.
- Drive system efficiency.
- Energy Storage.
- Introduction to Energy Storage Requirements Electric Vehicles.
- Battery based energy storage and its analysis,
- Fuel Cell based energy storage and its analysis.
- Super Capacitor based energy storage and its analysis, Flywheel based energy storage and its analysis. Hybridization of different energy storage devices.
- Energy Management Strategies: Introduction to energy management strategies used in hybrid and electric vehicles Classification of different energy management strategies,
- Comparison of different energy management strategies Implementation issues of energy management strategies.
- Electric Vehicle – Need - Types – Cost and Emissions – End of life. Electric Vehicle Technology – layouts, cables, components, Controls. Batteries – overview and its types. Battery plug-in and life. Ultra-capacitor, Charging – Methods and Standards. Alternate charging sources – Wireless & Solar.
- Motors (DC, Induction, BLDC) – Types, Principle, Construction, Control. Electric Drive Trains (EDT) – Series HEDT (Electrical Coupling) – Power Rating Design, Peak Power Source (PPS); Parallel HEDT (Mechanical Coupling) – Torque Coupling and Speed Coupling. Switched Reluctance Motors (SRM) Drives – Basic structure, Drive Convertor, Design.
- Basic Electronics Devices – Diodes, Thyristors, BJTs, MOSFETs, IGBTs, Convertors, Inverters. Safety – Risks and Guidance, Precautions, High Voltage safety, Hazard management. Sensors - Autonomous EV cars, Self-drive Cars, Hacking; Sensor less – Control methods- Phase Flux Linkage-Based Method, Phase Inductance based, and Modulated Signal Injection, Mutually Induced Voltage-Based, Observer-Based.
- Hybrid Electric vehicles – Classification – Micro, Mild, Full Power EV. Layout and Architecture – Series, Parallel and Series-Parallel Hybrid. Powertrain and components. Regenerative Braking, Economy, Vibration and Noise reduction. Hybrid Electric Vehicles System – Analysis and its Types, Control.

Ananthasagar, Hasanparthy, Warangal -506371, Telangana. Website: www.sritw.org

Phoneno: 0870-2818302. Email: principal@sritw.org.



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- Fuel cell – Introduction, Technologies & Types, Obstacles. Operation principles, Potential and I-V curve, Fuel and Oxidation Consumption, Fuel cell Characteristics – Efficiency, Durability, Specific power, Factors affecting, Power design of fuel Cell Vehicle and freeze capacity. Lifetime cost of Fuel cell Vehicle – System, Components, maintenance

Course Outcomes:

After completion of the course students will be able to learn

- The Electric components in detail.
- Apply controls of different motors for drive system efficiency.
- Understand various Energy storage devices including the Hybridization.
- Apply Energy management system strategies to solve problems.

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List of Registered Students for E-Vehicle design for Electronics

Batch: 1

Date: 24-11-2022 to 30-12-2022

S.no	Roll No	Name of the Student
1	196Y1A0201	BHUKYA KALA RANI
2	196Y1A0202	DIXIT VAISHNAVI MILIND
3	196Y1A0203	DUGGISHETTI VARSHITHA
4	196Y1A0204	GADDAM NIKHITHA
5	196Y1A0205	HAFSA ANWAR
6	196Y1A0206	KANDAKATLA LAXMIPRASANNA
7	196Y1A0207	KANDIKONDA ANNAPOORNA
8	196Y1A0208	MOTAPOTHULA NIHARIKA
9	196Y1A0209	NEERATI SHRIYA HASINI
10	196Y1A0210	PAKA CHANDHANA
11	196Y1A0211	PEDDI JHANSI
12	196Y1A0212	POODHARI SAMYUKTHA
13	196Y1A0213	RAVULA SRAVANI
14	196Y1A0214	SATHENAPALLY ANVITHA
15	196Y1A0215	SURAPANENI MANISHA
16	196Y1A0216	THATLA AKHILA
17	196Y1A0217	THELU ANUSHA
18	206Y1A0401	ABHINAYA LINGAMPELLI
19	206Y1A0402	ANKALA LAHARI
20	206Y1A0403	APURI PRAVALIKA
21	206Y1A0404	AVERINENI VASAVI
22	206Y1A0405	BAINA LAKSHMIE PRASANNA
23	206Y1A0406	BALA RAJALAXMI
24	206Y1A0407	BALLE ANUSHA
25	206Y1A0408	BATHINI LAKSHMIPRASANNA
26	206Y1A0409	BHUKYA BHOOMIKA
27	206Y1A0410	BITLA ROJA
28	206Y1A0411	BOMMERA SUSHMA
29	206Y1A0412	BOPPA AKHILA
30	206Y1A0413	BUDDHE SANGEETHA
31	206Y1A0414	BURLA HARIKA
32	206Y1A0415	CHERUKUPALLY KEERTHANA
33	206Y1A0416	CHINTHAREDDY DIVYASRI
34	206Y1A0417	DEVATHI MADHUMITHA
35	206Y1A0418	EMMADI SATHWIK
36	206Y1A0419	ENUGALA SOUJANYA
37	206Y1A0420	GORANTALA HANNA
38	206Y1A0421	GOURI PRIYA YAMSA
39	206Y1A0422	GUMMADEVELLI DEEKSHITHA

Rijar

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40	206Y1A0423	HATKAR DEEPIKA
41	206Y1A0424	HUZAIFA GAZNAM
42	206Y1A0425	JAKKULA VAISHNAVI
43	206Y1A0426	JANAGANI BHAVANA
44	206Y1A0427	JANGALA LAXMI PAVANI
45	206Y1A0428	JERIPOTHULA CHANDANA
46	206Y1A0429	KADIVENDI POOJITHA
47	206Y1A0430	KALERU SAI SRUTHI
48	206Y1A0431	KOTHAKONDA HARIKA
49	206Y1A0432	KUCHANA AMULYA
50	206Y1A0433	MADASU MADHU SREE

Rajesh
Course-coordinator

Rijan

Principal

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Learning at its best

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List of Registered Students for E-Vehicle design for Electronics

Batch: 2

Date: 24-11-2022 to 30-12-2022

Sno	Roll No	Name of the student
1	216Y1A0401	AGURLA AMULYA
2	216Y1A0402	AKHILA NARABOINA
3	216Y1A0403	AKULA KAVYA
4	216Y1A0404	AKUNURI KAVYA
5	216Y1A0405	ALLAM VARSHITHA
6	216Y1A0406	ANABATHULA SATHVIKA
7	216Y1A0407	ANCHURI SRAVYA
8	216Y1A0408	APARAJA AKSHAYA
9	216Y1A0409	ATTALURI KOVIDA
10	216Y1A0410	AVALA SANTHOSHINI
11	216Y1A0411	AYESHA MINHAS
12	216Y1A0412	BAYYA SAI SHANMUKHA SRI
13	216Y1A0413	BELIDHE NIKHITHA
14	216Y1A0414	BHASKARLA SRAVANTHI
15	216Y1A0415	BOKKALA ABHINAYA
16	216Y1A0416	BOLLU PRASANNA
17	216Y1A0417	BOMMINENI SANGEETHA
18	216Y1A0418	BURRA MANIDEEPIKA
19	216Y1A0419	CHEEMALA POOJITHA
20	216Y1A0420	CHINDAM POOJASRI
21	216Y1A0421	CHINTHAKANDI SWATHI
22	216Y1A0422	DADI ANUSHA
23	216Y1A0423	DESHETTI SATHVIKA
24	216Y1A0424	ETIKALA NAVEENA
25	216Y1A0425	FARAH MUSKAAN
26	216Y1A0426	GUNJI RAJARAJESHWARI
27	196Y1A0514	BOJJA SOWMYA
28	196Y1A0515	BOLLAPELLY SINDHUJA
29	196Y1A0516	BOMMA THAPASWINI
30	196Y1A0517	BOMMASANI DIVYA
31	196Y1A0518	BOYINA RAMYA
32	196Y1A0519	CHALLA HIMA BINDU
33	196Y1A0520	CHANDA SONI PRIYA
34	196Y1A0521	CHATLA SINDHUJA
35	196Y1A0522	CHENNA SHRAVANI
36	196Y1A0523	CHIDARLA NEHA
37	196Y1A0524	CHIDIRALA SATHVIKA
38	196Y1A0525	CHILLA TEJA
39	196Y1A0526	CHILUVERU SANGEETHA

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40	196Y1A0527	DADABOINA NIKITHA
41	206Y1A0434	MANDA AISHWARYA
42	206Y1A0435	MANDA KEERTHANA
43	206Y1A0436	MATTA RAGINI
44	206Y1A0437	MUNAVATH APARNA
45	206Y1A0438	NAKIRTHA SUSHMA
46	206Y1A0439	NEELAM.PRANAVISREE
47	206Y1A0440	PALLA ROWSHNI
48	226Y1A0401	ABBIDI SINDUJA
49	226Y1A0402	ADULAPURAM RESHMIKA
50	226Y1A0403	ALLAM SWECHA
51	226Y1A0404	BACHAWALA KARISHMA
52	226Y1A0405	BALASANI SRILATHA
53	226Y1A0406	BANDI ANUSHA
54	226Y1A0407	BANDI BHAVANA
55	226Y1A0408	BANDI.HARIKA
56	226Y1A0409	BANOTH PRAVALIKA

Dajesh
Course-coordinator

Rijan

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DATE :			24/11	25/11	26/11	27/11	28/11	29/11	30/11	1/12	2/12	3/12	5/12	6/12	7/12	8/12	9/12	10/12	10/12	12/12	13/12	14/12	15/12	16/12	17/12	19/12	20/12	21/12	22/12	23/12	24/12	
SNO	ROLL NO	NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	196Y1A0201	BHUKYA KALA RANI	4	2	3	A	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	A	19	20	21	22	23	24	25	26	27
2	196Y1A0202	MILIND	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	A	15	16	17	18	19	20	21	22	23	A	24	25	26	27
3	196Y1A0203	VARSHITHA	A	1	2	3	4	5	A	6	7	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	24	25	26	27
4	196Y1A0204	GADDAM NIKHITHA	1	2	3	A	4	5	6	7	8	9	10	11	A	12	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	27
5	196Y1A0205	HAFSA ANWAR	1	A	2	3	4	5	A	6	7	8	9	10	11	12	13	14	15	A	16	17	18	19	20	21	22	23	24	25	26	27
6	196Y1A0206	LAXMIPRASANNA	A	1	2	3	4	5	6	7	A	8	9	10	11	12	13	A	14	15	16	17	18	19	20	21	22	A	23	24	25	26
7	196Y1A0207	ANNAPOORNA	1	2	3	4	5	A	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	27
8	196Y1A0208	NIHARIKA	1	A	2	3	4	5	6	A	7	8	9	10	11	12	A	13	14	15	16	17	A	18	19	20	21	22	23	24	25	26
9	196Y1A0209	HASINI	1	2	3	A	4	5	6	7	8	9	A	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	24	25	26	27
10	196Y1A0210	PAKA CHANDHANA	1	2	3	A	4	5	6	7	8	9	10	11	A	12	13	14	15	16	17	18	19	20	21	22	A	23	24	25	26	27
11	196Y1A0211	PEDDI JHANSI	1	2	3	4	5	A	6	7	8	9	10	11	12	A	13	14	15	16	17	A	18	19	20	21	22	23	24	25	26	27
12	196Y1A0212	POODHARI SAMYUKTHA	A	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	A	16	17	18	19	20	21	22	23	A	24	25	26
13	196Y1A0213	RAVULA SRAVANI	1	2	3	4	A	5	6	7	8	9	10	11	12	13	A	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
14	196Y1A0214	ANVITHA	1	2	3	4	5	6	A	7	8	9	10	11	A	12	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	27
15	196Y1A0215	SURAPANENI MANISHA	1	A	2	3	4	5	6	7	8	A	9	10	11	12	13	14	15	A	16	17	18	19	20	21	22	23	A	24	25	26
16	196Y1A0216	THATLA AKHILA	1	2	A	3	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	A	19	20	21	22	23	24	25	26	27
17	196Y1A0217	THELU ANUSHA	A	1	2	3	4	5	6	A	7	8	9	10	11	12	13	14	15	A	16	17	18	19	20	21	22	23	24	A	25	26
18	206Y1A0401	LINGAMPELLI	1	2	A	3	4	5	6	7	8	9	10	11	A	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
19	206Y1A0402	ANKALA LAHARI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
20	206Y1A0403	APURI PRAVALIKA	A	1	2	3	4	A	5	6	7	8	9	10	11	A	12	13	14	15	16	17	18	19	20	21	22	A	23	24	25	26
21	206Y1A0404	AVERINENI VASAVI	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	24	25	26	27	28
22	206Y1A0405	PRASANNA	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
23	206Y1A0406	BALA RAJALAXMI	1	2	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23	24	25	A	26	27	28
24	206Y1A0407	BALLE ANUSHA	1	2	A	3	4	5	6	7	8	9	10	11	12	13	14	A	15	16	17	18	19	20	21	22	23	24	25	26	27	28
25	206Y1A0408	LAKSHMIPRASANNA	1	2	3	4	5	6	A	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
26	206Y1A0409	BHUKYA BHOOMIKA	1	2	3	4	5	6	7	8	9	10	11	A	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	A	27	28
27	206Y1A0410	BITLA ROJA	A	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
28	206Y1A0411	BOMMERA SUSHMA	1	2	3	A	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	A	23	24	25	26	27	
29	206Y1A0412	BOPPA AKHILA	1	2	3	4	5	6	A	7	8	9	10	11	12	13	14	15	16	17	A	18	19	20	21	22	23	24	25	26	27	28
30	206Y1A0413	BUDDHE SANGEETHA	1	2	3	4	5	6	7	8	A	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	A	27	28

Course Instructor : D.KOTESHWAR RAO

Rijan
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DATE :			24/11	25/11	26/11	27/11	28/11	29/11	30/11	01/12	02/12	03/12	04/12	05/12	06/12	07/12	08/12	09/12	10/12	11/12	12/12	13/12	14/12	15/12	16/12	17/12	18/12	19/12	20/12	21/12	22/12	23/12	24/12
SNO	ROLL NO	NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
31	206Y1A0414	BURLA HARIKA	A	1	2	3	4	5	6	7	8	A	9	10	11	12	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	27	
32	206Y1A0415	KEERTHANA	1	2	3	A	4	5	6	7	8	9	10	11	12	13	14	15	A	16	17	18	19	20	21	22	23	24	25	26	27	28	
33	206Y1A0416	DIVYASRI	1	A	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	A	18	19	20	21	22	23	24	A	25	26	
34	206Y1A0417	DEVATHI MADHUMITHA	1	2	3	4	5	A	6	7	8	9	10	11	12	13	A	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
35	206Y1A0418	EMMADI SATHWIKA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
36	206Y1A0419	ENUGALA SOUJANYA	1	A	2	3	4	5	6	7	8	A	9	10	11	12	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	27	
37	206Y1A0420	HARSHITHA	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	24	25	26	27	28	
38	206Y1A0421	GOURI PRIYA YAMSANI	1	2	A	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23	A	24	25	26	27	
39	206Y1A0422	DEEKSHITHA	1	2	3	4	5	6	A	7	8	9	10	11	12	13	14	15	16	17	A	18	19	20	21	22	23	24	25	26	27	28	
40	206Y1A0423	HATKAR DEEPIKA	A	1	2	3	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	19	20	21	A	22	23	24	25	26	27	
41	206Y1A0424	HUZAIFA GAZNAM	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	15	16	17	18	A	19	20	21	22	23	24	25	26	27	28	
42	206Y1A0425	JAKKULA VAISHNAVI	1	A	2	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23	A	24	25	26	27	
43	206Y1A0426	JANAGANI BHAVANA	1	2	3	A	4	5	6	7	8	9	10	11	12	13	14	15	A	16	17	18	19	20	21	22	23	24	25	26	27	28	
44	206Y1A0427	JANGALA LAXMI PAVANI	1	2	3	4	5	A	6	7	8	9	10	A	11	12	13	14	15	16	17	18	19	20	21	A	22	23	24	25	26	27	
45	206Y1A0428	CHANDANA	A	1	2	3	4	5	6	A	7	8	9	10	11	12	13	14	A	15	16	17	18	19	20	21	22	23	24	25	A	26	
46	206Y1A0429	KADIVENDI POOJITHA	1	2	A	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	27	
47	206Y1A0430	KALERU SAI SRUTHI	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	15	A	16	17	18	19	20	21	22	23	24	25	26	A	27	
48	206Y1A0431	KOTHAKONDA HARIKA	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	27	28	
49	206Y1A0432	KUCHANA AMULYA	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	25	26	27	28	
50	206Y1A0433	MADASU MADHU SREE	1	2	3	4	5	6	A	7	8	9	10	11	12	13	14	15	16	17	18	A	19	20	21	22	23	24	25	26	27	28	

Rijan

Principal

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WARANGAL - 506 371 (TS)

Course Instructor : D.KOTESHWAR RAO

Rijan Rajesh
Course Co-ordinator
Principal
Sumathi Reddy Institute of Technology for Women
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WARANGAL - 506 371 (TS)

DATE :			24/11	25/11	26/11	27/11	28/11	29/11	30/11	1/12	2/12	3/12	5/12	6/12	7/12	8/12	9/12	10/12	10/12	12/12	13/12	14/12	15/12	16/12	17/12	19/12	20/12	21/12	22/12	23/12	24/12	
SNO	ROLL NO	NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	216Y1A0401	AGURLA AMULYA	1	2	3	A	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	A	23	24	25	26	27
2	216Y1A0402	AKHILA NARABOINA	A	1	2	3	4	5	6	7	8	A	9	10	11	12	13	14	15	16	17	18	A	19	20	21	22	23	24	25	26	27
3	216Y1A0403	AKULA KAVYA	1	2	A	3	4	5	6	7	8	9	A	10	11	12	13	14	15	A	16	17	18	19	20	21	22	23	A	24	25	26
4	216Y1A0404	AKUNURI KAVYA	A	1	2	3	4	5	6	A	7	8	9	10	11	12	13	14	15	16	17	18	A	19	20	21	22	23	24	25	26	27
5	216Y1A0405	ALLAM VARSHITHA	1	2	3	A	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	27
6	216Y1A0406	ANABATHULA SATHVIKA	1	2	3	4	5	6	A	7	8	9	10	11	12	13	14	15	A	16	17	18	19	20	21	22	23	24	25	26	27	28
7	216Y1A0407	ANCHURI SRAVYA	A	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	A	23	24	25	26	27
8	216Y1A0408	APARAJA AKSHAYA	1	2	3	4	5	A	6	7	8	9	10	11	12	13	14	15	16	17	A	18	19	20	21	22	23	24	25	26	27	28
9	216Y1A0409	ATTALURI KOVIDA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
10	216Y1A0410	AVALA SANTHOSHINI	1	A	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	A	23	24	25	26	27
11	216Y1A0411	AYESHA MINHAS	1	2	3	4	5	A	6	7	8	9	10	11	12	13	A	14	15	16	17	18	19	A	20	21	22	23	24	A	25	26
12	216Y1A0412	BAYYA SAI SHANMUKHA SRI	1	2	A	3	4	5	6	7	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	24	25	26	27	28
13	216Y1A0413	BELIDHE NIKHITHA	1	2	3	4	5	6	A	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23	A	24	25	26	27
14	216Y1A0414	BHASKARLA SRAVANTHI	1	A	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	A	19	20	21	22	23	24	25	26	27
15	216Y1A0415	BOKKALA ABHINAYA	1	2	3	A	4	5	6	7	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	24	25	26	27	28
16	216Y1A0416	BOLLU PRASANNA	1	2	3	4	5	6	7	8	A	9	10	11	12	13	14	15	16	17	18	19	20	21	A	22	23	24	25	26	27	28
17	216Y1A0417	BOMMINENI SANGEETHA	1	2	3	4	5	A	6	7	8	9	10	11	12	13	14	A	15	16	17	18	19	20	21	22	A	23	24	25	26	27
18	216Y1A0418	BURRA MANIDEEPIKA	1	A	2	3	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	A	19	20	21	22	23	24	25	A	26
19	216Y1A0419	CHEEMALA POOJITHA	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	A	15	16	17	18	19	20	21	22	A	23	24	25	26	27
20	216Y1A0420	CHINDAM POOJASRI	1	2	3	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	27	28
21	216Y1A0421	CHINTHAKANDI SWATHI	1	2	3	4	5	A	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	A	24	25	26	27	28
22	216Y1A0422	DADI ANUSHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
23	216Y1A0423	DESHETTI SATHVIKA	1	2	A	3	4	5	6	7	8	9	10	11	12	13	14	A	15	16	17	18	19	20	21	22	23	24	A	25	26	27
24	216Y1A0424	ETIKALA NAVEENA	1	2	3	4	5	A	6	7	8	9	10	11	A	12	13	14	15	16	17	18	19	A	20	21	22	23	24	A	25	26
25	216Y1A0425	FARAH MUSKAAN	A	1	2	3	4	5	6	7	8	A	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	24	25	26	27
26	216Y1A0426	GUNJI RAJARAJESHWARI	1	2	A	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23	24	25	A	26	
27	196Y1A0514	BOJJA SOWMYA	1	2	3	4	5	A	6	7	8	9	10	11	12	13	14	A	15	16	17	18	19	20	21	22	23	24	25	26	27	
28	196Y1A0515	BOLLAPELLY SINDHUJA	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
29	196Y1A0516	BOMMA THAPASWINI	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	A	18	19	20	21	22	23	24	25	26	27	28
30	196Y1A0517	BOMMASANI DIVYA	1	2	3	A	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	19	20	21	22	23	A	24	25	26	27
31	196Y1A0518	BOYINA RAMYA	1	2	A	3	4	5	6	7	8	9	10	11	12	13	A	14	15	16	17	18	19	20	A	21	22	23	24	25	A	26
32	196Y1A0519	CHALLA HIMA BINDU	1	2	3	A	4	5	6	7	8	9	10	11	12	13	14	A	15	16	17	18	19	20	21	22	23	24	25	26	27	28
33	196Y1A0520	CHANDA SONI PRIYA	1	2	3	4	5	6	A	7	8	9	10	11	12	13	14	15	A	16	17	18	19	20	21	22	A	23	24	25	26	27

Course Instructor : M.RAMU

Riya
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E-VEHICLE DESIGN FOR ELECTRONICS										BATCH-2										Course Instructor: P. N. K. RAO															
DATE :			22/11	23/11	24/11	25/11	26/11	27/11	28/11	29/11	30/11	01/12	02/12	03/12	04/12	05/12	06/12	07/12	08/12	09/12	10/12	11/12	12/12	13/12	14/12	15/12	16/12	17/12	18/12	19/12	20/12	21/12	22/12	23/12	24/12
SNO	ROLL NO	NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
34	196Y1A0521	CHATLA SINDHUJA	1	A	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	A	20	21	22	23	24	25	26	27			
35	196Y1A0522	CHENNA SHRAVANI	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	15	A	16	17	18	19	20	21	22	23	24	25	26	27	28			
36	196Y1A0523	CHIDARLA NEHA	A	1	2	3	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	19	20	21	22	23	A	24	25	26	27			
37	196Y1A0524	CHIDIRALA SUPRAJA	1	2	3	A	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	A	19	20	21	22	23	24	25	26	27	28			
38	196Y1A0525	CHILLA TEJASRI	1	A	2	3	4	5	6	7	8	A	9	10	11	12	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	27			
39	196Y1A0526	CHILUVERU SANGEETHA	1	2	3	4	5	A	6	7	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	24	25	26	27	28			
40	196Y1A0527	DADABOINA NIKITHA	1	2	3	4	5	6	7	8	9	10	11	12	13	A	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29			
41	206Y1A0434	MANDA AISHWARYA	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	A	18	19	20	21	22	23	24	A	25	26	27			
42	206Y1A0435	MANDA KEERTHANA	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	A	15	16	17	18	19	20	21	22	23	24	25	26	27	28			
43	206Y1A0436	MATTA RAGINI	A	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	A	19	20	21	22	23	24	A	25	26			
44	206Y1A0437	MUNAVATH APARNA	1	2	A	3	4	5	6	7	8	9	10	11	12	13	A	14	15	16	17	18	19	20	21	22	A	23	24	25	26	27			
45	206Y1A0438	NAKIRTHA SUSHMA	1	2	3	4	5	6	A	7	8	9	10	11	12	13	14	15	16	17	18	A	19	20	21	22	23	24	25	26	27	28			
46	206Y1A0439	NEELAM.PRANAVISREE	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	15	A	16	17	18	19	20	21	22	23	24	25	26	A	27			
47	206Y1A0440	PALLA ROWSHNI	1	2	3	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	19	20	21	22	23	A	24	25	26	27	28			
48	226Y1A0401	ABBIDI SINDUJA	1	A	2	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	27			
49	226Y1A0402	ADULAPURAM RESHMIKA	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	15	A	16	17	18	19	20	21	22	23	24	25	26	27	28			
50	226Y1A0403	ALLAM SWECHA	1	2	3	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29			
51	226Y1A0404	BACHAWALA KARISHMA	1	A	2	3	4	5	6	7	8	9	10	11	12	13	A	14	15	16	17	18	19	20	21	22	23	24	A	25	26	27			
52	226Y1A0405	BALASANI SRILATHA	1	2	3	A	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	19	A	20	21	22	23	24	25	26	27			
53	226Y1A0406	BANDI ANUSHA	A	1	2	3	4	5	6	7	8	A	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	24	25	26	27			
54	226Y1A0407	BANDI BHAVANA	1	2	A	3	4	5	6	7	8	9	10	11	12	13	14	15	A	16	17	18	19	20	21	22	23	24	25	26	27	28			
55	226Y1A0408	BANDI HARIKA	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	15	16	17	18	19	20	21	A	22	23	24	25	26	A	27			
56	226Y1A0409	BANOTH PRAVALIKA	1	2	3	A	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	A	19	20	21	22	23	A	24	25	26			

Rijar

Principal

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WARANGAL - 506 371 (TS)

E-VEHICLE DESIGN FOR ELECTRONICS

BATCH-2

Course Instructor : M.RAMU

DATE :			27/12	28/12	29/12	30/12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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Course: E-Vehicle design for Electronics

Date: 24-11-2022 to 30-12-2022

S.No	Roll Number	Name	Marks
1	216Y1A0401	AGURLA AMULYA	18
2	216Y1A0402	AKHILA NARABOINA	19
3	216Y1A0403	AKULA KAVYA	18
4	216Y1A0404	AKUNURI KAVYA	18
5	216Y1A0405	ALLAM VARSHITHA	20
6	216Y1A0406	ANABATHULA SATHVIKA	20
7	216Y1A0407	ANCHURI SRAVYA	21
8	216Y1A0408	APARAJA AKSHAYA	21
9	216Y1A0409	ATTALURI KOVIDA	25
10	216Y1A0410	AVALA SANTHOSHINI	18
11	216Y1A0411	AYESHA MINHAS	18
12	216Y1A0412	BAYYA SAI SHANMUKHA SRI	19
13	216Y1A0413	BELIDHE NIKHITHA	18
14	216Y1A0414	BHASKARLA SRAVANTHI	18
15	216Y1A0415	BOKKALA ABHINAYA	20
16	216Y1A0416	BOLLU PRASANNA	20
17	216Y1A0417	BOMMINENI SANGEETHA	21
18	216Y1A0418	BURRA MANIDEEPIKA	21
19	216Y1A0419	CHEEMALA POOJITHA	25
20	216Y1A0420	CHINDAM POOJASRI	18
21	216Y1A0421	CHINTHAKANDI SWATHI	18
22	216Y1A0422	DADI ANUSHA	19
23	216Y1A0423	DESHETTI SATHVIKA	18
24	216Y1A0424	ETIKALA NAVEENA	18
25	216Y1A0425	FARAH MUSKAAN	20
26	216Y1A0426	GUNJI RAJARAJESHWARI	20
27	196Y1A0514	BOJJA SOWMYA	21
28	196Y1A0515	BOLLAPELLY SINDHUJA	21
29	196Y1A0516	BOMMA THAPASWINI	25
30	196Y1A0517	BOMMASANI DIVYA	18
31	196Y1A0518	BOYINA RAMYA	18
32	196Y1A0519	CHALLA HIMA BINDU	19
33	196Y1A0520	CHANDA SONI PRIYA	18
34	196Y1A0521	CHATLA SINDHUJA	18
35	196Y1A0522	CHENNA SHRAVANI	20
36	196Y1A0523	CHIDARLA NEHA	20
37	196Y1A0524	CHIDIRALA SUPRAJA	21

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38	196Y1A0525	CHILLA TEJASRI	21
39	196Y1A0526	CHILUVERU SANGEETHA	25
40	196Y1A0527	DADABOINA NIKITHA	18
41	206Y1A0434	MANDA AISHWARYA	18
42	206Y1A0435	MANDA KEERTHANA	19
43	206Y1A0436	MATTA RAGINI	18
44	206Y1A0437	MUNAVATH APARNA	18
45	176Y1A0475	ROKULA PRANEETHA	20
46	176Y1A0476	ROKULA SOWJANYA LAXMI	20
47	176Y1A0477	SADHU SUSHMITHA	21
48	176Y1A0478	SADU SRAVANI	21
49	176Y1A0479	SANIYA JABEEN	25
50	176Y1A0480	SATHU SANKEERTHANA	18
51	176Y1A0481	SATKURI SREEVARSHA	18
52	176Y1A0482	SHAISTHA SUMAYA	19
53	176Y1A0483	SIRIVOLU PRANATI	18
54	176Y1A0484	SOOR ONIMA	18
55	176Y1A0485	SRI MAHALAKSHMI AYYAGARI	20
56	176Y1A0486	SRI VENNELA ALLADURGAM	20
57	176Y1A0487	SRIRAMULA SRINIDHI	21
58	176Y1A0488	SYED NASREEN	21
59	186Y1A0201	ASAM APOORVA	25
60	186Y1A0202	BAINA SUPRIYA SHREE	18
61	186Y1A0203	BIKKINENI SHIVANI	18
62	186Y1A0204	BOLLAM SATHYA	19
63	186Y1A0205	BURKA ANUSHA	18
64	186Y1A0206	CHILUVERU DEEPTHI	18
65	186Y1A0207	CHUNCHU SRAVANI	20
66	186Y1A0208	DESHAVATH NIHARIKA	20
67	186Y1A0209	EKKATI NAVYA REDDY	21
68	186Y1A0210	ELLABOINA KEERTHANA	21
69	186Y1A0211	GANGINENI POOJITHA	25
70	186Y1A0212	ILAPAKA PREETHI	18
71	186Y1A0213	KANIGANTI SRIHARSHITHA	18
72	186Y1A0214	KANTHULA PRAVALIKA	19
73	186Y1A0215	KATTA SRUTHI	18
74	186Y1A0216	LAVUDYA SHIREESHA	18
75	186Y1A0217	MANCHALA BHARGAVI	20
76	186Y1A0218	NADUMULA ANUHYA	20
77	186Y1A0219	NAFEESA SHIREEN	21
78	186Y1A0220	PAIDIPALA PRATHYUSHA	21

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80	186Y1A0222	QUDSIA RAHMAN	18
81	186Y1A0223	RAVULA LATHA SREE	18
82	186Y1A0224	SANAM NAMRATHA	19
83	186Y1A0225	TEJAVATH CHANDINI NAIK	18
84	186Y1A0226	VAISHNAVI PAKALA	18
85	186Y1A0227	VALADASU BHAVANA	20
86	186Y1A0228	VASAM VENNELA	20
87	196Y1A0405	ALLA DEEKSHITHA	21
88	196Y1A0406	ALLADI SAMANVITHA	21

Dajesh
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Test (E-Vehicle Design for Electronics)

Duration: 1hr

Marks: 25

216Y1A0402

N. Akhila

1. What is an electric drive?

- a) A machine that converts electrical energy into kinetic energy
- b) A machine that converts mechanical energy into electrical energy
- c) A machine that converts electrical energy into mechanical energy
- d) A machine that converts kinetic energy into electrical energy

[c]

2. Which of the following is used to build a electric drive?

- a) Source b) Motor c) Control unit d) All of the mentioned

[d]

3. Which of the following is/are components of an electric drive?

- a) Control unit and Power Modulator b) Electric Motor and Control System
- c) Input Command d) Sensing Device and Electric Motor

[b]

4. Which of the following is a function of electric drive?

- a) Transport energy from the storage system to the wheels
- b) Transport energy from the control system to the wheels
- c) Transport fuel from the electric motor to the wheels
- d) Transport fuel from the storage system to the wheels

[a]

5. What are electric drives?

- a) Engines of 2-wheelers b) Laptops c) Robotics d) Both a & c

[d]

6. Which of the following exhibits linearly rising load torque characteristics?

- a) Rolling Mills b) Fan load
- c) Elevators d) separately excited dc generator connected to the resistive load

[c]

7. Type-A chopper is used for obtaining which type of mode?

- a) Reverse motoring mode b) Motoring mode
- c) Reverse regenerative braking mode d) Regenerative braking mode

[a]

8. Which of the following converter circuit operations will be unstable for a large duty cycle ratio?

- a) Boost converter b) Boost converter and Buck-Boost converter
- c) Buck converter d) Buck-Boost converter

[b]

9. Which of the following devices should be used as a switch for high power and high voltage application?

- a) TRIAC b) Thyristor c) GTO d) MOSFET

[b]

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10. Which of the following motor can be referred as a universal motor?

- a) Permanent magnet motor b) DC shunt motor
c) DC series motor d) DC compound motor

[a] ✓

11. What is the unit of the apparent or complex power?

- a) VA b) ohm c) Volt d) VAR

[a] ✓

12. Which of the following device is NOT suitable for parallel operation?

- a) BJT b) MOSFET c) TRIAC d) IGBT

[b] ✓

13. The frame of an induction motor is made of _____

- a) Silicon steel b) Aluminum c) Stainless steel d) Cast iron

[q] ✓

14. When was the first electric car invented? []

- a) 1830 b) 1985 c) 1832 d) 1945

15. The moving coil instrument measures the _____ of the signal.

- a) Average value b) R.M.S value c) Zero value d) Half value

[a] ✓

16. Electric Vehicles are generally powered by _____

- a) Aluminum batteries b) Lead-acid batteries
c) Sodium batteries d) Magnesium batteries

[b] ✓

17. Calculate the line voltage in star connection when phase voltage=315 V.

- a) 545.5 V b) 548.6 V c) 547.8 V d) 585.8 V

[a] ✓

18. Who coined the term battery?

- a) George Franklin b) Benjamin Fernandes
c) Benjamin Franklin d) George Bush

[c] ✓

19. Who invented the battery?

- a) Alessandro Volta b) Alexander Bell
c) Alessandro Bell d) Tim Southee

[c] ✓

20. Full form of EV is _____

- a) Energy voltage b) Electric vehicles
c) Electric voltage d) Energy vehicles

[b] ✓

21. Full form of ICV is _____

- a) Internal combustion vehicles b) Internet combustion vehicles
c) Internally combined vehicles d) Internet combined vehicles

[b] ✓

22. Calculate the active power in a 315 F capacitor.

- a) 45 W b) 81 W c) 0 W d) 64 W

[c] ✓

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23. Fuel cell converts chemical energy to electrical energy using a reaction that ____
a) Eliminates combustion of fuel b) requires combustion of fuel [C] ~~X~~
c) requires no ignition of fuel d) fuel is not required
24. Fuel cell performance is not limited by ____ [b]
a) First law of Thermodynamics b) Second law of Thermodynamics
c) Third law of Thermodynamics d) all three laws are applicable
25. For which of these devices does negative charge carriers flow from anode to cathode in the external circuit? [b]
a) MHD generator b) Thermionic generator
c) Thermoelectric generator d) Fuel cell



Rajani

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Rajesh

Mr. A.Rajesh

Coordinator

Dr.K.Mahender sharma

Dr.K.Mahender sharma

Head of the Department

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Dr.I.Rajasri Reddy

Principal



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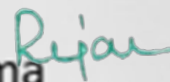
This is to certify that BHASKARLA SRAVANTHI bearing roll number 216Y1A0414 has successfully completed the course entitled "E-Vehicle design for Electronics" conducted from 24-11-2022 to 30-12-2022 .



Mr. A. Rajesh
Coordinator

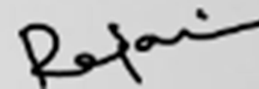


Dr. K. Mahender Sharma
Head of the Department



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Dr. I. Rajasri Reddy
Principal