Department of EEE
Summary Sheet of Add on Courses Conducted
ACADEMIC YEAR 2020-21

S. No	Name of the Event	Type of the Event	Course Code	Number of Hours	Number of Students Enrolled
1	ADVANCES IN ELECTRIC VECHICLES	Value added course	2020-21/PEC/EEE /VAC05	33 Hrs	92
2	COURSE ON MAT LAB	Value added course	2020-21/PEC/EEE /VAC06	30 Hrs	62

O.V. Road, KANDUKUR - 523 105.
PRAKASAM (Dist.), AP. INDIA.
T : 08598 222288, 221200, F : 08598 221300
E : pec@prakasamec.com
W : www.prakasamec.com

Approved by AICTE, New Delhi | Affiliated to JNTU - Kakinada

Summary report of ADVANCES IN ELECTRIC VECHICLES

PRAKASAM
ENGINEERING COLLEGE

Value added course			
Document ID:	2020-21/PEC/EEE/VAC05	**Document Name:**	Report

Course Summary Report

Value added-courses in "Advances in Electric Vehicles." were organized by the Department of Electrical and Electronics Engineering, Prakasam engineering college from 19-01-2021 T0 23-01-2021. The total period of course is 33 hours. Totally, 92 students have enrolled of this course and participated during the course. The institute Principal, Dr.M.Lakshmana Rao appreciated the Department efforts and congratulated the student for participating. Thanks to entire faculty and co-coordinator, the event was success

Students in the course obtained the following outcomes:

- Understand the design & development of automotive body structure.

- Understand the dynamic stability of vehicles.

- Understand the requirement of vehicular safety systems and road regulations.

- Understand EV Infrastructure management system

Co-ordinator

HOD

Principal
PRINCIPAL
PRAKASAM ENGINEERING COLLEGI
KANDUKUR-523105, Prakasam Dt, AP

Brochure of ADVANCES IN ELECTRIC VECHICLES

CHIEF PATRON

Dr.K.Ramaiah

Secretary & correspondant

Prakasam Engineering college Kandukur

PATRON

Dr. CH.Ravi Kumar M.Tech.,Ph.D.

Principal

Prakasam Engineering college Kandukur

CONVENER

Mr.SK.MEERA SHAREEF M.Tech.,(Ph.D.)

Head of Department

Department of Electrical and Electronics

Engineering

Prakasam Engineering college, Kandukur

Co-Ordinator

Mr.J.Alla Bagash M.Tech.

Associate Professor

PRAKASAM
ENGINEERING COLLEGE

Approved by AICTE ,New Delhi | Affiliated to JNTU-Kakinada

NAAC

Value Added Course
on

VAC06- Advances in Electric Vehicles

19-01-2021 to 23-01-2021

Organized by

Department of ELECTRICAL AND ELECTRONICS ENGINEERING

Venue: SEMINAR HALL - 1

For any details, please contact

Course in-charge
Mr.J.Alla Bagash M.Tech.
Associate Professor
📞 9948850039

COURSE OBJECTIVES

- To familiarize with the basic electric components 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

COURSE OUTCOMES (COS)

- Understand the design & development of automotive body structure.
- Understand the dynamic stability of vehicles.
- Understand the requirement of vehicular safety systems and road regulations.
- Understand EV Infrastructure management system

EMENANT SPEAKER

Mr.SN.MEERAVALI M.TECH

Associate Professor

Prakasam Engineering College, Kandukur

CONTENT

- Overview of Electric Vehicle
- Revisiting Fundamentals
- saving and loading variables
- Plotting data
- Customizing plots
- Charging Infrastructure
- Overview of Policies
- Module will provide relevant background to power electronics
- Understand the success of electric vehicle will depend on the suitable charging infrastructure
- Relevant details related to chargers as well as smart and mini grids etc…
- Design and working of power electronic interface
- This module will discuss various government policies relevant to electric vehicles
- Lab Practice

O.V. Road, KANDUKUR - 523 105,
PRAKASAM (Dist.), AP INDIA
T : 08598 222288, 221200, F : 08598 221300
E : pec@prakasamec.com
W : www.prakasamec.com

Summary report of COURSE ON MAT LAB

PRAKASAM
ENGINEERING COLLEGE

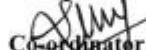| Value added course			
Document ID:	2020-21/PEC/EEE/VAC06	**Document Name:**	Summary Report

Course Summary Report

Value added courses in "**VAC06- COURSE ON MAT LAB**" were organized organized by the Department of Electrical And Electronics Engineering at Prakasam engineering college from May 03 to May 07 in 2021. The total period of course is 30 hours. Totally, 62 students have enrolled of this course and participated during the course. The institutes Principal, Dr. Ch. Ravi Kumar appreciated the Departments efforts and congratulated the student for participating. Thanks to entire faculty and co-coordinator, the event was success

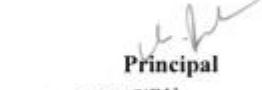Students in the course obtained the following outcomes:

- Students in the course obtain the following outcomes.
- Increase automation by encapsulating modular tasks.
- Create flexible code that can interact with the user.
- Importing from spreadsheets and delimited text files.
- Use matrices as mathematical objects or as collections.

Course photo:

Co-ordinator　　　　　　HOD　　　　　　Principal

PRINCIPAL
PRAKASAM ENGINEERING COLLEGE
KANDUKUR-523105, Prakasam Dt, A.P

Brochure of COURSE ON MAT LAB

CHIEF PATRON

Dr.K.Ramaiah
Secretary & correspondant
Prakasam Engineering college, Kandukur

PATRON

Dr. CH.Ravi Kumar M.Tech.,Ph.D.
Principal
Prakasam Engineering college Kandukur

CONVENER

Mr.SK.MEERA SHAREEF M.Tech.,(Ph.D.)
Head of Department
Department of Electrical and Electronics Engineering
Prakasam Engineering college, Kandukur

Co-Ordinator

Mr. Sk.Meera shareef M.Tech.,(Ph.D.)
Associate Professor

PRAKASAM ENGINEERING COLLEGE
Approved by AICTE ,New Delhi | Affiliated to JNTU-Kakinade
NAAC

Value Added Course
on
VAC06- COURSE ON MAT LAB
03-05-2021 to 07-05-2021
Organized by

Department of ELECTRICAL AND ELECTRONICS ENGINEERING

Venue: SEMINAR HALL - 1

For any details, please contact
Course in-charge
Mr. Sk.Meera shareef M.Tech,(Ph.D.)
Associate Professor
📞 9618833695

COURSE OBJECTIVES

To provide students an understanding of the expectations of industry
To improve employability skills of engineering students
To bridge the skill gaps and make students industry ready.
To provide an opportunity to students to develop inter-disciplinary skills

COURSE OUTCOMES (COS)

Students in the course obtain the following outcomes.
- Increase automation by encapsulating modular tasks.
- Create flexible code that can interact with the user.
- Importing from spreadsheets and delimited text files.
- Use matrices as mathematical objects or as collections

EMENANT SPEAKER

Mr.SN.MEERAVALI M.TECH
Associate Professor
Prakasam Engineering College, Kandukur

CONTENT

- Working with the MATLAB User Interface
- Reading data from files
- saving and loading variables
- Plotting data
- Customizing plots
- Exporting graphics for use in other applications
- Variables and Commands
- Entering commands
- Creating numeric and character variables
- Making and annotating plots
- Getting help
- Creating and running live scripts
- Analysis and Visualization with Vectors
- Creating and manipulating matrices
- Performing calculations with matrices
- Calculating statistics with matrix data
- Visualizing matrix data
- Conditional Data Selection
- Storing data as a table
- Operating on tables
- Calculation of demand and design of solar power generation for residential applications