



Department of EEE
Summary Sheet of Add on Courses Conducted
ACADEMIC YEAR 2019-20

S. No	Name of the Event	Type of the Event	Course Code	Number of Hours	Number of Students Enrolled
1	FUNDAMENTALS OF MAT LAB	Value added course	2019-20/PEC/EEE/VAC03	32 Hrs	100
2	SOLAR PHOTOSYSTEM VOLTAIC DESIGN	Value added course	2019-20/PEC/EEE/VAC04	32 Hrs	65



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Summary report of FUNDAMENTALS OF MAT LAB



PRAKASAM
ENGINEERING COLLEGE

Value added course			
Document ID:	2019-20/PEC/EEE/VAC03	Document Name:	Report

Course Summary Report

Value added-course in "Fundamentals of MAT Lab." were organized by the Department of Electrical and Electronics Engineering, Prakasam engineering college from 26-08-2019 To 30-08-2019. The total period of course is 32 hours. Totally, 100 students have enrolled of this course and participated during the course. The institutes Principal Dr.M.Lakshmana Rao 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:

- 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.


Co-ordinator


HOD


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



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Brochure of FUNDAMENTALS OF MAT LAB

CHIEFPATRON

Dr.K.Ramaiah

Secretary&correspondant
PrakasamEngineeringcollegeKandukur

PATRON

Dr.M.Lakshmana Rao M.Tech.,Ph.D.

Principal
PrakasamEngineeringcollegeKandukur

CONVENER

Mr.S.K.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.

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COURSE OBJECTIVES

The aim of the course is 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 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

EMENANTSPEAKER

Mr.S.N.Meeravli, M.Tech
Assoc Professor.

Prakasam Engineering College

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ValueAddedCourse

on

VAC3-Fundamentals of MAT LAB

26-08-2019 to 30-08-2019

Organized by

Department of EEE



venue:B2/F2/13/SEMINARHALL-1

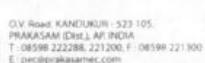
For any details, please contact::

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

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CONTENT

- Introduction to MATLAB, Scripts, Variables and Basic operations
- Basic Plotting, Examples for Plotting
- Symbolic Math Toolbox-variables, expression and Statements
- Simulink-library Browser, Connections, Block Specification
- Problems on Simulink model
- Graphical User Interfaces (GUI)-Making, drawing, settings and adding Function to MATLAB files
- Examples of Simulink with POWERGUI



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Summary report of SOLAR PHOTOSYSTEM VOLTAIC DESIGN



**PRAKASAM
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Value added course			
Document ID:	2019-20/PEC/EEE/VAC04	Document Name:	Summary Report

Course Summary Report

Value added-courses in "VAC04- SOLAR PHOTOVOLTAIC SYSTEM DESIGN" were organized by the Department of Electrical And Electronics Engineering at Prakasam engineering college from Feb 10 to Feb 14 in 2020. The total period of course is 32 hours. Totally, 65 students have enrolled of this course and participated during the course. The institutes Principal, Dr. M. Lakshman Rao 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.
- Learners will be able to differentiate the various types of solar panels and its characteristics and working
- Understand the difference between standalone and grid connected system

Course photo:




Co-ordinator


HOB


Principal
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Brochure of SOLAR PHOTOSYSTEM VOLTAIC DESIGN

CHIEF PATRON

Dr.K.Ramaiah

Secretary & correspondant
Prakasam Engineering college, Kandukur

PATRON

Dr.M.LAKSHMAN RAO 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.AARIF M.Tech.

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Value Added Course

on

VAC04- SOLAR PHOTOVOLTAIC SYSTEM DESIGN

10-02-2020 to 14-02-2020

Organized by

Department of ELECTRICAL AND ELECTRONICS
ENGINEERING



Venue: SEMINAR HALL - 1

For any details, please contact

Course in-charge
Mr. SK.AARIF M.Tech.
Assistant Professor

7842009079

CONTENT

- Introduction and Working Principle of Semiconductor Based Solar Cell Energy conversion
- photovoltaic –history of solar energy
- status and prospects of PV Technology-solar light
- conversion of light energy and electricity band gap-charge and carrier semiconductor junction
- Operation Performance and Design Rules for Solar Cell
- Solar cell operation
- solar cell performance- solar cell design rules properties of crystalline
- silicon(c-Si) manufacturing of c-Si- Design rule of the c-Si solar cell -
- High efficiency concept of c-Si –water based solar cells from solar cell to solar module
- Thin Film PV Technologies & the Third Generation PV, Thermal& Solar Fuels
- PV Technology Thin Film Silicon PV Technology film CIGS PV Technology Thin Film CdTe Technology
- Organic PV Technology – Third generation PV Technology-
- solar thermal technologies solar fuel technologies
- PV Systems Components and Concepts
- PV system overview –PV module in a PV system
- maximum power point tracking
- M concepts and algorithms- inverters in PV systems
- storage in PV systems- batteries
- design of PV system using PV system environmental consideration of PV systems

EMENANT SPEAKER

Mr.P.YEDUKONDALU M.Tech

Assistant Professor

Prakasam Engineering College, Kandukur

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