



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
KRISHNACHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES

(An ISO 9001:2008 Certified & AICTE Approved Institution, Affiliated to JNTUK-Kakinada)

Devaraju Gattu. Peddaraveedu (Md), MARKAPUR-523320, Prakasam Dist, A.P.

Phone No: 08596-200330, 331,332

E-Mail: principal@kits-anna.com

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1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

ACADEMIC YEAR
2019-20

LIST OF ADD-ON
PROGRAMS

S.No.	Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Course Code (if any)	Year of offering/ study	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
1	Big Data and Hadoop	05-CSE	IV YEAR	JULY-8 TO 13,2019	30 hours	112	112
2	Machine Learning and Artificial Intelligence	05-CSE	IV YEAR	AUG-19 TO 24,2019	30 hours	112	112
3	Digital Image Processing Using MATLAB	04-ECE	IV YEAR	SEP-12 TO 14,2019	30 hours	36	36
4	Advanced Surveying Using Total Station	01-CE	IV YEAR	DEC-26 TO 31,2019	30 hours	50	50
5	Employability Skills	01-CE	IV YEAR	FEB-26 TO MAR-02,2020	30 hours	40	40
6	CNC Part Programming	05-CSE	IV YEAR	SEP-16 TO 19,2019	30 hours	45	45
						395	395

ACADEMIC YEAR: 2019-20

Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Course Code (if any)	Year of offering/study	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
EMPLOYABILITY SKILLS	04-ECE	IV YEAR	FEB-26 TO MAR-2,2019	30 hours	110	110
MATLAB	04-ECE	IV YEAR	SEP-12 TO SEP-14,2019	30 hours	110	110
ADVANCED SURVEYING USING TOTAL STATION	02-CE	II YEAR	DEC-26 TO 31 ,2019	30 hours	50	50
DIGITAL IMAGE PROCESSING USING MATLAB	04-ECE	IV YEAR	AUG-14 TO SEP-12,2019	30 hours	110	110
					395	395


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 Peddaraveedu Mdl, Prakasam Dt. A.P.



KRISHNA CHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES

Devarajugattu (Post) , Peddaraveedu (Mandal), Prakasam Dist. - 523 320.
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NAAC ACCREDITED INSTITUTION

1.2.2 Number of Add on /Certificate programs offered during the last five years (10)

SUMMARY REPORT

S. No	Name of Add on /Certificate programs offered	Year of offering	Duration of course
1	Employability Skills	2019-2020	40Hrs
2	Digital Image Processing Using MATLAB	2019-2020	30Hrs
3	AUTOCAD	2018-2019	30Hrs
4	CNC Programming	2018-2019	30Hrs
5	Advanced Surveying Using Total Station	2018-2019	30Hrs
6	Industrial Automation Using PLC	2018-2019	42Hrs
7	NI LAB VIEW	2018-2019	30Hrs
8	Total Station	2017-2018	30Hrs
9	Mobile Application Development	2016-2017	30Hrs
10	Oracle	2016-2017	30Hrs


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NAAC ACCREDITED INSTITUTION

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

VALUE ADDED COURSE

DATE:20-02-2020

CIRCULAR

This is to inform the B.Tech Electronics and Communication Engineering students that the classes for the Value Added Course for the Academic Year 2019-2020 for the Regulation R16.Hence Requested all the Interested Students to register the following Value Added Course.

S.No	Program Name	Branch	Year	Value Added Course
1	B.Tech	ECE	IV	Employability Skills


Training In-Charge


Principal
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NAAC ACCREDITED INSTITUTION

**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

Conducts Training On

Employability Skills

From 26th Feb 2000 To 02nd March 2000

From 09:30 AM To 04:30 PM

Resouce Persons:

1) Mitra Manohar

Partcipants:

IV ECE Students

Training In-Charge

HOD



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NAAC ACCREDITED INSTITUTION

**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

Course Contents:

DAY	FORENOON SESSION	AFTERNOON SESSION
1	Soft Skills	Group Discursion
2	Soft Skills	Group Discursion
3	Life skills	Presentation skills
4	Communication Skills	Employability Skills
5	Life Skills	Communication Skills
6	Interview Skills	Employability Skills



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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

VALUE ADDED COURSE

DATE:10-09-2019

CIRCULAR

This is to inform the B.Tech Electronics and Communication Engineering students that the classes for the Value Added Course for the Academic Year 2019-2020 for the Regulation R16.Hence Requested all the Interested Students to register the following Value Added Course.

S.No	Program Name	Branch	Year	Value Added Course
1	B.Tech	ECE	IV	Digital Image Processing Using MATLAB


Training In-Charge


Principal
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**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

Conducts Technical Training On

Digital Image Processing Using
MAT LAB

From 12th Sep 2019 To 14th August 2019

From 09:30 AM To 04:30 PM

Resouce Persons:

1) S.JAGADEESH

Partcipants:

IV ECE Students


Training In-Charge


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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Day 1 schedule:

Morning:

9:00 AM to 9:10 AM

- Inauguration gathering.

9:10 AM to 9:25 AM

- Prologue regarding organization and self introduction.

9:25 AM to 11:00 AM

- Prologue to The MATLAB Software.
- MATLAB Working And contrast Between the Other Design Tools and MATLAB Software.
- Preface to The MATLAB Environment DIP, COMMUNICATION Toolbox.
- Preface on the Digital Images, Signals, Communication, Antennas, Radars in MATLAB software.

11:00 AM to 12:30 PM

- Basic digital image processing coding.
- Enhancing the Digital Images Both Black and White and Color Images.
- The coding Implementation filters In MATLAB And Noise Types with Different File Format Images.
- Edge Detection Methods and Enhance the Edges with Binary Images
- Application Of Digital Image Processing with real time examples.

Evening:

1:15 PM to 4:00 PM

- Implementation of Basic images with read, show, write images.
- Implementation of Basic Principles enhancement images coding.
- Implementation of coding add noise and remove noise by using different filters.

Day 2 schedule:

9:00 AM to 11:00 AM

- Working and Analysis morphological operations With Basic Implementation.
- Binary and gray scale and color image Segmentation with Implementation

Evening:

1:15 PM to 4:00 PM

- lab practice
- Working on algorithms in data transmission and reception

➤ Day 3 schedule:

- Prologue to The MATLAB Software.
- MATLAB Working And contrast Between the Other Design Tools and MATLAB Software.
- Preface to The MATLAB Environment DIP, COMMUNICATION Toolbox.



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DEPARTMENT OF CIVIL ENGINEERING

VALUE ADDED COURSE

DATE:23-12-2019

CIRCULAR

This is to inform the B.Tech Civil Engineering students that the classes for the Value Added Course for the Academic Year 2018-2019 for the Regulation R16.Hence Requested all the Interested Students to register the following Value Added Course.

S.No	Program Name	Branch	Year	Value Added Course
1	B.Tech	CIVIL	II	Advance Surveying using Total Station


Training In-Charge


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DEPARTMENT OF CIVIL ENGINEERING

Conducts Technical Training On

Advanced Surveying

Using Total Station

From 26th Dec 2019 To 31st Dec 2019

From 09:30 AM To 04:30 PM

Resource Persons:

1) SRR Surveying Engineering

Participants:

II Civil Students


Training In-Charge


HOD



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NAAC ACCREDITED INSTITUTION

DEPARTMENT OF MECHANICAL ENGINEERING

Course Contents:

DAY	FORENOON SESSION	AFTERNOON SESSION
1	Column alignments and column set-out	Control Point establishment
2	take-out pile points with reference to existing structure	Topographic survey
3	Establishing new benchmarks and cross checking	Area and Volume calculations
4	Lay out pipelines and marking inverted levels	Remote height calculation
5	Lay out points for storage tanks	Set out octagons, hexagons, circles, etc
6	Lay out transmission lines and bolt fixing	Preparing Survey Reports to International Standards



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1.2.3 Number of Add-on/Certificates Programs Offered during the last five years

FEEDBACK FROM STUDENTS

Name of the Department: ECE


Date: 2/3/2020

Academic Year: 2019-2020

Class: IV ECE

Name of Add-on Program: EMPLOYABILITY SKILLS

S.No	Parameters	1	2	3	4	5
1	I Learned something that I previously did not know		✓			
2	The information was presented in an easy to understand			✓	✓	
3	This add-on Programme very useful to me					
4	The variety of material Presented allowed for an interesting presentation of information				✓	
5	I could get some knowledge about this topic				✓	
6	I learned more from the practice session				✓	
Rating Scale: Excellent - 5 Very Good - 4 Good - 3 Fair - 2 Poor -1						


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1.2.3 Number of Add-on/Certificates Programs Offered during the last five years

FEEDBACK FROM STUDENTS

Name of the Department: ECE

Date: 14/08/2019

Academic Year: 2019-2020

Class: IV ECE

Name of Add-on Program: Digital Image Processing Using Mat Lab

S.No	Parameters	1	2	3	4	5
1	I Learned something that I previously did not know					
2	The information was presented in an easy to understand			✓	✓	
3	This add-on Programme very useful to me				✓	
4	The variety of material Presented allowed for an interesting presentation of information					✓
5	I could get some knowledge about this topic				✓	
6	I learned more from the practice session			✓		✓
Rating Scale: Excellent - 5 Very Good - 4 Good - 3 Fair - 2 Poor - 1						


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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

VALUE ADDED COURSE

DATE:20-02-2020

CIRCULAR

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S.No	Program Name	Branch	Year	Value Added Course
1	B.Tech	ECE	IV	Employability Skills


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**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

Conducts Training On

Employability Skills

From 26th Feb 2000 To 02nd March 2000

From 09:30 AM To 04:30 PM

Resouce Persons:

1) Mitra Manohar

Partcipants:

IV ECE Students

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Course Contents:

DAY	FORENOON SESSION	AFTERNOON SESSION
1	Soft Skills	Group Discursion
2	Soft Skills	Group Discursion
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4	Communication Skills	Employability Skills
5	Life Skills	Communication Skills
6	Interview Skills	Employability Skills



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VALUE ADDED COURSE

DATE:10-09-2019

CIRCULAR

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1	B.Tech	ECE	IV	Digital Image Processing Using MATLAB


Training In-Charge


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**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

Conducts Technical Training On

Digital Image Processing Using
MAT LAB

From 12th Sep 2019 To 14th August 2019

From 09:30 AM To 04:30 PM

Resouce Persons:

1) S.JAGADEESH

Partcipants:

IV ECE Students


Training In-Charge


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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Day 1 schedule:

Morning:

9:00 AM to 9:10 AM

- Inauguration gathering.

9:10 AM to 9:25 AM

- Prologue regarding organization and self introduction.

9:25 AM to 11:00 AM

- Prologue to The MATLAB Software.
- MATLAB Working And contrast Between the Other Design Tools and MATLAB Software.
- Preface to The MATLAB Environment DIP, COMMUNICATION Toolbox.
- Preface on the Digital Images, Signals, Communication, Antennas, Radars in MATLAB software.

11:00 AM to 12:30 PM

- Basic digital image processing coding.
- Enhancing the Digital Images Both Black and White and Color Images.
- The coding Implementation filters In MATLAB And Noise Types with Different File Format Images.
- Edge Detection Methods and Enhance the Edges with Binary Images
- Application Of Digital Image Processing with real time examples.

Evening:

1:15 PM to 4:00 PM

- Implementation of Basic images with read, show, write images.
- Implementation of Basic Principles enhancement images coding.
- Implementation of coding add noise and remove noise by using different filters.

Day 2 schedule:

9:00 AM to 11:00 AM

- Working and Analysis morphological operations With Basic Implementation.
- Binary and gray scale and color image Segmentation with Implementation

Evening:

1:15 PM to 4:00 PM

- lab practice
- Working on algorithms in data transmission and reception

➤ Day 3 schedule:

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE

DATE:01-12-2018

CIRCULAR

This is to inform the B.Tech Mechanical Engineering students that the classes for the Value Added Course for the Academic Year 2018-2019 for the Regulation R16.Hence Requested all the Interested Students to register the following Value Added Course.

S.No	Program Name	Branch	Year	Value Added Course
1	B.Tech	MECH	III	AUTOCAD


Training In-Charge


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NAAC ACCREDITED INSTITUTION

DEPARTMENT OF MECHANICAL ENGINEERING

Conducts Technical Training On

AUTOCAD

From 03rd Dec 2018 To 05th Dec 2018

From 09:30 AM To 04:30 PM

Resouce Persons:

1) S.Venu Gopal Reddy

Partcipants:

III Mech Students

Training In-Charge

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DEPARTMENT OF MECHANICAL ENGINEERING

Course Contents:

DAY	FORENOON SESSION	AFTERNOON SESSION
1	Introduction To AUTOCAD 2D,3D	Project Management
2	Plotting,Printing,Drawing Sheets Creation	Dimensioning & Annotating Drawings
3	Parcels	Survey, Practical Session



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DEPARTMENT OF CIVIL ENGINEERING

VALUE ADDED COURSE

DATE:23-12-2019

CIRCULAR

This is to inform the B.Tech Civil Engineering students that the classes for the Value Added Course for the Academic Year 2018-2019 for the Regulation R16.Hence Requested all the Interested Students to register the following Value Added Course.

S.No	Program Name	Branch	Year	Value Added Course
1	B.Tech	CIVIL	II	Advance Surveying using Total Station


Training In-Charge


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DEPARTMENT OF CIVIL ENGINEERING

Conducts Technical Training On

Advanced Surveying

Using Total Station

From 26th Dec 2019 To 31st Dec 2019

From 09:30 AM To 04:30 PM

Resouce Persons:

1) SRR Surveying Engineering

Participants:

II Civil Students


Training In-Charge


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NAAC ACCREDITED INSTITUTION

DEPARTMENT OF MECHANICAL ENGINEERING

Course Contents:

DAY	FORENOON SESSION	AFTERNOON SESSION
1	Column alignments and column set-out	Control Point establishment
2	take-out pile points with reference to existing structure	Topographic survey
3	Establishing new benchmarks and cross checking	Area and Volume calculations
4	Lay out pipelines and marking inverted levels	Remote height calculation
5	Lay out points for storage tanks	Set out octagons, hexagons, circles, etc
6	Lay out transmission lines and bolt fixing	Preparing Survey Reports to International Standards



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE

DATE:24-08-2018

CIRCULAR

This is to inform the B.Tech EEE,ECE students that the classes for the Value Added Course for the Academic Year 2018-2019 for the Regulation R13 & R16.Hence Requested all the Interested Students to register the following Value Added Course.

S.No	Program Name	Branch	Year	Value Added Course
1	B.Tech	EEE,ECE	II,III & IV	Industrial Automation With PLC

B. Suresh
Training In-Charge

[Signature]
Principal
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Conducts Technical Training On
Industrial Automation
With PLC

From 27th Aug 2018 To 01st Nov 2018

From 09:30 AM To 04:30 PM

Resource Persons:

- 1) Y.Madhu Vamsy
- 2) R Yoga Priyanka

Participants:

II,III,and IV EEE,ECE Students

S. Suresh
Training In-Charge

S. Suresh
HOD



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course Contents:

DAYS	PHASE - 1 COURSE CONTENT
Day 1	Introduction to PLC, Introduction to PLC Programming types / Introduction about Ladder logic diagram, NO & NC switch based concept, Latching and memory concepts.
Day 2	Application problems based on NO & NC. Application problems based on Memory coils. Push button concepts. Introduction to Timers and Timer based Problems.
Day 3	Application problems based on Timers, NO & NC combination. Sensor based problems. Introduction to Counters, Counter based problems, Set & Reset, Positive & Negative Pulses.

DAYS	PHASE - 2 COURSE CONTENT
Day 1	Introduction to Delta CPU's Description of output types- Relay output, Transistor output, Basic programming part and description of wiring types (source-sink, sink-source, source-source, sink-sink), All problems based on toggle switch what we covered in phase-1. Introduction to Set, Reset, Falling edge, Rising edge, Inc, Dec instructions
Day 2	Introduction to push buttons and memory coil concepts and programming on some problems what we covered in phase-1, Timers concept and problems based on timers, Introduction to 8-channel relay modules and contactors. Problems based on relay, contactors. Introduction to Proximity sensors both capacitive and inductive.
Day 3	Projects : Stair-case, Traffic light, Car parking, Star-Delta starter, Series- Parallel operation, Sequential problems



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NAAC ACCREDITED INSTITUTION

DEPARTMENT OF CIVIL ENGINEERING

VALUE ADDED COURSE

DATE:28-11-2017

CIRCULAR

This is to inform the B.Tech Civil Engineering students that the classes for the Value Added Course for the Academic Year 2017-2018 for the Regulation R16.Hence Requested all the Interested Students to register the following Value Added Course.

S.No	Program Name	Branch	Year	Value Added Course
1	B.Tech	CIVIL	II	Total Station


Training In-Charge


Principal
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Devarajugattu (Village)
Peddaraveedu Mdl, Prakasam Dt, A.P.



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DEPARTMENT OF CIVIL ENGINEERING

Conducts Technical Training On

Total Station

From 31th Nov 2017 To 05st Dec 2017

From 09:30 AM To 04:30 PM

Resouce Persons:

1) Sai Associates

Participants:

II Civil Students

Training In-Charge

HOD



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DEPARTMENT OF CIVIL ENGINEERING

Course Contents:

DAY	FORENOON SESSION	AFTERNOON SESSION
1	Coordinate System and Projections	Error adjustment
2	Topographic survey	Remote height calculation
3	Area and Volume calculations	Traverse Surveying
4	Data Management	Theory of errors in observations
5	Control Point establishment	Set out octagons, hexagons, circles, etc
6	Construction Stake Out	Lay out points for storage tanks



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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

VALUE ADDED COURSE

DATE:26-11-2018

CIRCULAR

This is to inform the B.Tech Electronics and Communication Engineering students that the classes for the Value Added Course for the Academic Year 2018-2019 for the Regulation R13.Hence Requested all the Interested Students to register the following Value Added Course.

S.No	Program Name	Branch	Year	Value Added Course
1	B.Tech	ECE	IV	NI LABVIEW


Training In-Charge


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**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

Conducts Training On

NI LAB VIEW

From 28th Nov 2018 To 30nd Nov 2018

From 09:30 AM To 04:30 PM

Resouce Persons:

1) Geya Poojitha

Partcipants:

IV ECE Students

Training In-Charge

HOD



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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Course Contents:

NI LABVIEW WORKSHOP (November 28-30th, 2018)

Day-1:

Morning session

Content

- LabVIEW Introduction
- Getting started with LabVIEW
- Basics of LabVIEW software
- How to create VI?
- How to create sub VI?

Exercises

1. Creating a VI using Numeric Functions
2. Finding area of the triangle
3. Creating half adder.
4. Creating Full Adder using sub VI

Afternoon session

Contents

- Debugging Techniques
- Loops
- Structures
- Variables

Exercises

- Finding even or odd no.
- Fibonacci series.
- Finding Factorial.
- Local variable parallel loop control.
- Global variable VI control.

Day-2:

Morning Session

Contents

- Arrays
- Clusters
- Strings
- Wave form Graphs and Charts

Exercises

- Array functions
- Creating of array using for loop
- Cluster functions
- String operations
- Simulation of graphs, Using random numbers

Afternoon session

Contents

- File I/O's
- Formula node
- Expression node
- Property node
- Invoke node
- Architectures

Exercises

- Expressions execution using formula node and expression node
- Writing and reading binary, text, measurement files
- Weighing machine using State machine

Day-3:

Contents

MULTISIM

- Introduction.
- Multisim User Interface.

- Design a circuit
- Transient Analysis



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


VALUE ADDED COURSE


DATE:16-09-2016

CIRCULAR

This is to inform the B.Tech Computer Science and Engineering students that the classes for the Value Added Course for the Academic Year 2016-2017 for the Regulation R13.Hence Requested all the Interested Students to register the following Value Added Course.

S.No	Program Name	Branch	Year	Value Added Course
1	B.Tech	CSE	III,IV	Oracle


Training In-Charge


Principal
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Conducts Technical Training On

Oracle

From 19th Sep 2016 To 21nd Sep 2016

From 09:30 AM To 05:30 PM


Resouce Persons:

1) P.Mohana Krishna

Partcipants:

III,IV CSE Students


Training In-Charge


HOD



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NAAC ACCREDITED INSTITUTION

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Course Contents:

DAY	FORENOON SESSION	AFTERNOON SESSION
1	Introduction	Basic DDL Commands
2	Introduction to sql	SQL Commands
3	Introduction to Joins	GroupBy, Having Clauses



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VALUE ADDED COURSE


DATE:10-03-2017

CIRCULAR

This is to inform the B.Tech Computer Science and Engineering students that the classes for the Value Added Course for the Academic Year 2016-2017 for the Regulation R13.Hence Requested all the Interested Students to register the following Value Added Course.

S.No	Program Name	Branch	Year	Value Added Course
1	B.Tech	CSE	IV	Mobile Applications


Training In-Charge


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Conducts Technical Training On
Mobile Applications

From 13th Mar 2017 To 16nd Mar 2017

From 09:30 AM To 04:30 PM

Resouce Persons:

1) R. Sudhakar

Participants:

IV CSE Students


Training In Charge


HOD



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Course Contents:

DAY	FORENOON SESSION	AFTERNOON SESSION
1	Introduction to Android Tool KIT	Usage Of Eclipse IDE
2	Simple MAD Application	Development of WeB.XML
3	Simple MAD Application	Android Functions
4	Android Libraries	Android Custom Functional Events