NARAYANA ENGINEERING COLLEGE::NELLORE

REPORT ON BRIDGE COURSE

1	Name of the Activity/Event	"Electrical machines-II"		
2	Date of Activity/Event	09/1/2020		
3	Organized by/Name of the committee	Department of EEE		
4	Place of Activity/event	Narayana Engineering college , Nellore		
5	Resource person/guest/organization	Dr.G.Venkateswarlu, prof&HOD, EEE dept. NECN		
6	Type of activity/Event	Bridge course program		
7	Activity/Event objectives	1. Brief Analysis of the subject. 2. To Get Fundamental idea about subject.		
8	Participation	Students	Faculty	Total Participation
		115	02	117
9	General remarks	1. Lack of Time 2.Not audible to last row		
10	Suggested Improvements	Separate session required for sec-A & Sec-B		
11	Enclosures	1.photos 2.attendance report		

On 09/1/2020 Narayana engineering college, EEE Department Organized a Bridge Course on Basics of electromagnetic .The operational principle of Transformers and Direct Current (DC) Electrical Machines are covered in this session. Both the single-phase and three-phase transformers are analyzed in details considering magnetic circuit design, parallel operation, various connection diagrams, etc. Thereafter, the DC machines are presented starting from their construction, principle of operation, starting, braking and speed control methods. The Electrical machines are basically electromechanical energy conversion devices which convert electrical energy to mechanical energy and vice versa. The session is concluded with all basic topics of electrical machines regarding their syllabus.


ON
ELECTRICALMACHINES -II
Department of
ELECTRICAL & ELECTRONICS ENGINEERING

NARAYANA ENGINEERING COLLEGE::NELLORE

REPORT ON BRIDGE COURSE

1	Name of the Activity/Event	"Electromagnetic Fields"		
2	Date of Activity/Event	08/1/2020		
3	Organized by/Name of the committee	Department of EEE		
4	Place of Activity/event	Narayana Engineering college , Nellore		
5	Resource person/guest/organization	Mr.P.Sudha kiran ,Assoc.prof,NECN		
6	Type of activity/Event	Bridge course program		
7	Activity/Event objectives	1. Brief Analysis of the subject. 2. To Get Fundamental idea about subject.		
8	Participation	Students	Faculty	Total Participation
		117	01	118
9	General remarks	1. Lack of Time 2.Not audible to last row		
10	Suggested Improvements	Separate session required for sec-A & Sec-B		
11	Enclosures	1.photos 2.attendance report		

On 08/1/2020 Narayana engineering college, EEE Department Organized a Bridge Course on Fundamentals of Electromagnetic fields for II B.Tech EEE students at Edison auditorium. The syllabus of Electromagnetic includes the Study of effect of charges at rest and in motion and Application of electric and magnetic fields. The session started with revising or providing an introduction to the essentials of vector calculus they also discussed electrostatics, magneto statics and electromagnetic phenomena, leading to both the differential and integral form of the Maxwell's equations. The discussion was continued with vector calculus and some of its basic applications. We will have discussions on the concept of a scalar field and a vector field, ordinary derivatives and gradient of a scalar function, line and surface integrals, divergence and curl of a vector field, Laplacian, two major theorems, viz., the divergence theorem and the Stoke's theorem.


Bridge Course of
vector analysis and co-ordinate systems
II EEE - I SEM
Dept of EEE


Classification of Integrated Circuits


Bridge Course of
vector analysis and co-ordinate systems
II EEE –I SEM
Mr.P.Sudhakiran
Associate. Professor
Dept of EEE
NEC Nellore

NARAYANA ENGINEERING COLLEGE::NELLORE

REPORT ON BRIDGE COURSE

1	Name of the Activity/Event	"power System Analysis"		
2	Date of Activity/Event	10/1/2020		
3	Organized by/Name of the committee	Department of EEE		
4	Place of Activity/event	Narayana Engineering college , Nellore		
5	Resource person/guest/organization	Mrs.M.Suneetha, Assoc.prof, NECN		
6	Type of activity/Event	Bridge course program		
7	Activity/Event objectives	1. Brief Analysis of the subject. 2. To Get Fundamental idea about subject.		
8	Participation	Students	Faculty	Total Participation
		108	02	110
9	General remarks	1. Lack of Time 2.Not audible to last row		
10	Suggested Improvements	Separate session required for sec-A & Sec-B		
11	Enclosures	1.photos 2.attendance report		

On 10/1/2020 Narayana engineering college, EEE Department Organized a Bridge Course on Load flow analysis for III B.Tech EEE students at Edison auditorium. In this they focused on:

- the overview of the properties of transmission, distribution and industrial power systems
- the power system dynamic and stable behavior including the transitions between the different power system states
- the components and general behavior of the power system from generation over transmission and distribution to consumption
- Introduce basic power flow concepts and system analysis based on some system examples
- Model and analyze the power system
- Learn computation techniques for fault calculations

NARAYANA ENGINEERING COLLEGE::NELLORE

REPORT ON BRIDGE COURSE

1	Name of the Activity/Event	"power semi conductor drives"		
2	Date of Activity/Event	08/1/2020		
3	Organized by/Name of the committee	Department of EEE		
4	Place of Activity/event	Narayana Engineering college , Nellore		
5	Resource person/guest/organization	Mrs. Santhi kumari,Asst.prof,NECN		
6	Type of activity/Event	Bridge course program		
7	Activity/Event objectives	1. Brief Analysis of the subject. 2. To Get Fundamental idea about subject.		
8	Participation	Students	Faculty	Total Participation
		104	02	106
9	General remarks	1. Lack of Time 2.Not audible to last row		
10	Suggested Improvements	Separate session required for sec-A & Sec-B		
11	Enclosures	1.photos 2.attendance report		

On 08/1/2019 Narayana engineering college, EEE Department Organized a Bridge Course on Fundamentals of power electronics for III B.Tech EEE students at Edison auditorium. In this they focused on basics of Electronics deals with the study of solid state semiconductor power devices and circuits for Power conversion to meet the desired control objectives (to control the output voltage and output power). If we recall the structure of conventional transistor we see a thin p-layer is sandwiched between two n-layers or vice versa to form a three terminal device with the terminals named as Emitter, Base and Collector. The difference in the two structures is obvious. A power transistor is a vertically oriented four layer structure of alternating p-type and n-type. The vertical structure is preferred because it maximizes the cross sectional area and through which the current in the device is flowing.