

(Affiliated to Visvesvaraya Technological University, Belgaum & Approved by AICTE, New Delhi)

STUDENTS FEEDBACK ON CURRICULUM

This questionnaire is to collect information relating to your satisfaction towards curriculum for creating conducive atmosphere for teaching and learning. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the program of studies/institution.

Academic Year	2013-14	
Branch	DEEE	
Name of the Student	Koshmi C.R.	
USN	159 11EE038	

SL	Statements	Excellent	Very . good	Good	Average	Below Average
NO		5	4	3	2	1
1	How do you rate the syllabus of the courses that you have studied in relation to the competencies expected out of the course?	\				
2	How do you rate the allocation of the credits to the courses?					
3	Relevance for implementation in projects			1		
4	How do you rate the electives offered in relation to the technological advancements?		~			
5	How do rate the evaluation scheme designed for each of the course?	/				
6	How do you rate the percentage of courses having LAB components?		~			
7	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution	1				

Suggestions: Calification Course & very usefull for our pobs. and any practical Dession of they conduct ine also usefull also u Reshort C.R Signature

Principal Sapthagiri College of Engineering 14/5, Chikkasandra, Hesaraghatta Main Road Bengaluru - 560 057

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20(3-1)
EPT
Monoj Kuman
1 SCILEE 018

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
NO			4	3	2	1
1	How do you rate the syllabus of the courses that you have studied in relation to the competencies expected out of the course?	<u> </u>				Už.
2	How do you rate the allocation of the credits to the courses?		_			
3	Relevance for implementation in projects	~				
4	How do you rate the electives offered in relation to the technological advancements?	~	4			
5	How do rate the evaluation scheme designed for each of the course?)			
6	How do you rate the percentage of courses having LAB components?	_				
7	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution	-	/	_		

Suggestions: Jude thedilical daves are there its dypicult to understand the dopic. I practical arrented Quesion is there then it will be ungul.

Signature Marie

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Academic Year	8013-14	
Branch	EEE	
Name of the Student	Sowmya 44	_
USN	deuszerol, 6	2

Rate the curriculum/syllabus on the following Points

SL	Statements	Excellent	Very good	Good	Average	Below Average
NO		5	4	3	2	1
1	How do you rate the syllabus of the courses that you have studied in relation to the competencies expected out of the course?	L;				
2	How do you rate the allocation of the credits to the courses?		<u> </u>			
3	Relevance for implementation in projects	-		_		
4	How do you rate the electives offered in relation to the technological advancements?	e.			<u> </u>	
5	How do rate the evaluation scheme designed for each of the course?					
6	How do you rate the percentage of courses having LAB components?		-			
7	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution	~~~				

Suggestions: Threelation design & very Emportant Concept. If they conduct any Certification Courses then It & arguel for air placements

Signature Source

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(Affiliated to Visvesvaraya Technological University, Belgaum & Approved by AICTE, New Delhi) Chikkasandra, Bangalore-560057

EMPLOYERS FEEDBACK ON CURRICULUM

Dear Employer,

Many graduates of our Department/College/Institution are already working in your organization. We are thankful to you for providing them employment with your prestigious Company/Organization. We shall very much appreciate and be grateful to you if you can spare some of your valuable time to fill up this feedback form. It will help us to improve the Institution further and give you better employees in future.

Name of the Employer	SACHIN BANGARASWAMY
Position	SENIOR ANALYST
Company/Organization	KANTAR

Rate the curriculum/syllabus on the following Points

	SL NO	Statements	Excellent	Very good	Good	Average	Below Average
	1	Ability to contribute to the goal of the organization	5	4	3	2	1
	2	Is our curriculum compatible with the industry standards			~		
	3	Is the curriculum sufficient to enable student to analyze a given problem and identify the necessary solutions		~			
4	1	Creative in response to work place challenges					
5	5	Ability and motivation for social activity			14		
6	;	Technical knowledge/skill	11 - 10 X.	<u> </u>			
7		Overall impression about the syllabus		<u> </u>			
`O		lents:	1				

Comments:

oyee ID: 10828] Signature

Principal

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Academic Year	2013-14
Branch	6 tT
Name of the Student	Santosh Shama
USN	13912EE039

Rate the curriculum/syllabus on the following Points

SL	Statements	Excellent	Very good	Good	Average	Below Average
NO		5	4	3	2	1
1	How do you rate the syllabus of the courses that you have studied in relation to the competencies expected out of the course?				27	
2	How do you rate the allocation of the credits to the courses?		~			
3	Relevance for implementation in projects					
4	How do you rate the electives offered in relation to the technological advancements?		-			
5	How do rate the evaluation scheme designed for each of the course?	1			3	
6	How do you rate the percentage of courses having LAB components?					
7	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution				-	

Suggestions: ghoositical concept we wonth enderstand better, 2) we what do quy practical dension / certication programmer on inculation That it will be angul for our juliare also Signature for the angul for our juliare also

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ALUMNI FEEDBACK ON CURRICULUM

We are glad that you have spent valuable years pursuing courses of your choice at SCE. We shall be thankful if you can spare some of your valuable time to fill up this feedback form and give us valuable suggestions for further improvement of the College. Your valuable inputs will be of great use to improve the quality of our academic programs and enhance the credibility of our Institution. Rate the adequacy of following as they were during your tenure as a student

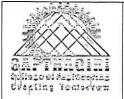
Year of Passing	2013-127 (2014)
Branch	FFE
Name	Nervedtha A.H
Status : Work/Study	MING/C
Phone no	9606292967

SL	Statements	Excellent	Very good	Good	Average	Below Average
NO		5	4	3	2	1
1	When you compare yourself with other counterparts from other Institution, you feel that you got most of all the facilities which is not available in other Institution		\checkmark			
2	Learning value (in terms of skills, concepts, knowledge, analytical abilities or broadening perspectives)					
3	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution			\checkmark		
4	How do you rate the learning experience in terms of their relevance to the real life application	×	\checkmark			
5	Ability to work in teams	/				
6	Ability to link theory to practice	\checkmark				
7	How do you rate the course/curriculum content that you have learnt in relation to your current job					
8	Compatibility with industry standards					
Su	ggestions: whethity has to	inclus	he ch nce?	erit ea	aticest	mbest

Suggestions:

Conte Signature

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Year of Passing	2013-14
Branch	BEE
Name	SUBRAT KUNAR MISMRA
Status : Work/Study	CMC LIMETED
Phone no	

SL	Statements .	Excellent	Very good	Good	Average	Below Average
NO	•	5	4	3	2	1
1	When you compare yourself with other counterparts from other Institution, you feel that you got most of all the facilities which is not available in other Institution		~			
2	Learning value (in terms of skills, concepts, knowledge, analytical abilities or broadening perspectives)					
3	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution	NSIA	\checkmark			
4	How do you rate the learning experience in terms of their relevance to the real life application		\checkmark			
5	Ability to work in teams					
6	Ability to link theory to practice		/			
7	How do you rate the course/curriculum content that you have learnt in relation to your current job		/			
8	Compatibility with industry standards			\checkmark		

Substations: Conduct (Conce pagements Signature m seneste Substationalise -to stud (entition from fication Course also industrial Principal Sapthagiri College of Engineering 14/5, Chikkasandra, Hesaraghatta Main Road Bengaluru - 560 057



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ALUMNI FEEDBACK ON CURRICULUM

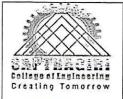
We are glad that you have spent valuable years pursuing courses of your choice at SCE. We shall be thankful if you can spare some of your valuable time to fill up this feedback form and give us valuable suggestions for further improvement of the College. Your valuable inputs will be of great use to improve the quality of our academic programs and enhance the credibility of our Institution. Rate the adequacy of following as they were during your tenure as a student

Year of Passing	2013-14
Branch	PEE
Name	A largh IC.
Status : Work/Study	ma
Phone no	4845235835

SL	Statements	Excellent	Very good	Good	Average	Below Average
NO		5	4	3	2	1
1	When you compare yourself with other counterparts from other Institution, you feel that you got most of all the facilities which is not available in other Institution		-			
2	Learning value (in terms of skills, concepts, knowledge, analytical abilities or broadening perspectives)		~			
3	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution					
4	How do you rate the learning experience in terms of their relevance to the real life application					
5	Ability to work in teams		1			
6	Ability to link theory to practice					
7	How do you rate the course/curriculum content that you have learnt in relation to your current job					
8	Compatibility with industry standards	14	×	\checkmark		

Suggestions: Certificate course need to be anducted Drice in semester Signature John 19 Principal

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FACULTY FEEDBACK ON CURRICULUM

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, teaching, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the program of studies/institution.

Academic Year	2013-14	
Branch	EEE	
Name of the Faculty	Dr. K.N. Ravi	
Designation	SADDE & HOD	
Subject/Sub. code	IOEF73	

Rate the curriculum/syllabus on the following Points

SL	Statements	Excellent	Very good	Good	Average	Below Average
NO		5	4	3	2	,1
1	Do you feel that the curriculum is defined in a way to clarify your teaching goals and what you expect your students to learn?		\checkmark			
2	Is the curriculum suffcient to bridge the gap between industry standards /current global scenarios and academics?		\smile	•		
3	Is the timely coverage of curriculum possible in the mentioned number of hours?	\checkmark				
4	Suffcient reference material and books are available for the topics mentioned in the curriculum?		~			
5	The evaluation methods mentioned in the curriculum are suffcient for providing proper assessment?	\checkmark			15	
6	Curriculum is suitable to the course					
7	The curriculum/course of this subject increased my knowledge and perspective in the subject area	~				

Suggestions: Practical knowledge is nequired for the Students in the field of thigh Ubitage Engineerin Signature

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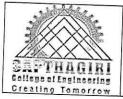
Academic Year	2013-14
Branch	FEE
Name of the Faculty	Thansu. K.
Designation	Idest-Prof
Subject/Sub. code	10FE72

Rate the curriculum/syllabus on the following Points

SL	Statements	Excellent	Very good	Good	Average	Below Average
NO		5	4	3	2	1
1	Do you feel that the curriculum is defined in a way to clarify your teaching goals and what you expect your students to learn?	\checkmark				
2	Is the curriculum suffcient to bridge the gap between industry standards /current global scenarios and academics?		\checkmark			
3	Is the timely coverage of curriculum possible in the mentioned number of hours?	<u> </u>				
4	Suffcient reference material and books are available for the topics mentioned in the curriculum?					
5	The evaluation methods mentioned in the curriculum are suffcient for providing proper assessment?	/				
6	Curriculum is suitable to the course	~				×
7	The curriculum/course of this subject increased my knowledge and perspective in the subject area	~				

Suggestions: practical knowledge is very comportant to the students. So introduce the contricution courses to the students of gain the knowledge in Signature the electrical engineening field. Thomasignature Principal

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Academic Year	2013 - 11.
Branch	FI:F
Name of the Faculty	Domodharon A.
Designation	Annialant Daul-maan
Subject/Sub. code	Power System Operation of Control

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
1	Do you feel that the curriculum is defined in a way	5	4	3	2	1
	to clarify your teaching goals and what you expect your students to learn?	<u> </u>				
2	Is the curriculum suffcient to bridge the gap between industry standards /current global scenarios and academics?	3	\mathcal{L}			
3	Is the timely coverage of curriculum possible in the mentioned number of hours?	-				
4	Suffcient reference material and books are available for the topics mentioned in the curriculum?	-				
5	The evaluation methods mentioned in the curriculum are suffcient for providing proper assessment?	1	_			
6	Curriculum is suitable to the course					18
7	The curriculum/course of this subject increased my knowledge and perspective in the subject area	_				

Suggestions: Indulmal

Usert her to be meluded on the fyllahus.

Signature (

Principal

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DOIZ - ME
EEE
Rekhe SN
Associate professore
Netenoralk Analysia

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
	31	5	4	3	2	1
1	Do you feel that the curriculum is defined in a way to clarify your teaching goals and what you expect your students to learn?	~				
2	Is the curriculum suffcient to bridge the gap between industry standards /current global scenarios and academics?		/			
3	Is the timely coverage of curriculum possible in the mentioned number of hours?	~				
4	Suffcient reference material and books are available for the topics mentioned in the curriculum?	5		÷		
5	The evaluation methods mentioned in the curriculum are suffcient for providing proper assessment?	2.	~			
6	Curriculum is suitable to the course	1				
7	The curriculum/course of this subject increased my knowledge and perspective in the subject area	/				

Suggestions: por chically students were not understood about if they include hab in This Subjects it will be varyed. Signature: press. theorem Principal Sapthagiri College of Engineering 14/5, Chikkasandra, Hesaraghatta Main Road Bengaluru - 560 057



(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057 Phone:080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797 Department of Electrical & Electronics Engineering

Date: 26-05-2014

CIRCULAR

This is to inform that the following Curriculum Board members are requested to attend the meeting on 26/05/2014 at 3.00pm in the HODs chamber to discuss about the analyzing of curriculum syllabus of academic year 2014-15.

Sl No.	Faculty Name	Designation	Signature
1	Dr. K N Ravi	HOD	F Qu
2	Prof. Rekha S N	Associate Professor	®>
3	Prof. Dhamodaran A	Assistant Professor	Allan
4	Prof. Rukmangada R	Senior Lecturer	P
5	Prof. Ashwini C	Assistant Professor	Ac
6	Prof .Jhansi K	Assistant Professor	Thereef

Pri

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057

HOD

PROF & HOD Department of Electrical & Electronics Engineering Sapthagiri College of Engineering Bangalore - 560057.



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Phone:080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Electrical & Electronics Engineering

Minutes of Meeting

With reference to the circular dated 26.05.2014 the curriculum board members assembled in HODs chamber for the following agenda.

AGENDA:

- Reviewing the department curriculum syllabus of academic year 2014-15.
- Reviewing the feedback analysis of various stakeholders for the academic year 2013-14
- Identifying the gaps.
- Action to be taken for identifying the gaps.

The following faculties were present:

Si. No.	Faculty Name	Designation	Signature
1	Dr. K N Ravi	HOD	Kon
2	Prof. Rekha S N	Associate Professor	Per
3	Prof. Dhamodaran A	Assistant Professor	Ahr
4	Prof. Rukmangada R	Senior Lecturer	PP-
5	Prof.Ashwini C	Assistant Professor	A.C.
6	Prof. Jhansi K	Assistant Professor	thanki Ki

The following points are discussed in the meeting

- The committee members reviewed the analysis of department curriculum syllabus.
- The committee members discussed about the feedback of department curriculum syllabus.
- The members identified the gaps based on the syllabus.
- The following action were taken for identifying the gaps.

SI No.	SEM	Course Title	Identified Gap	\bigcap
1 VII		High Voltage Engineering	Lack of practical knowledge in	
		· .	insulation of High Voltage	16

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Department of Electrical & Electronics Engineering

ACTION TAKEN:

Based on the Feedback obtained from the students, faculties alumni and employers analysis of syllabus by academic committee members it was decided to conduct certification course on Insulation to overcome the gaps identified in the curriculum/syllabus.

ordinator

for HOD, EE

PROF & HOD Depertment of Electrical & Electronics Engineering Sapthagiri College of Engineering Bangalore - 560057.

Principal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057



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Fax: 080-28372797 Department of Electrical & Electronics Engineering

To

Date:28.05.2014

IQAC Co-ordinator Sapthagiri College of Engineering Bangalore-560057

Respected Sir

Subject: "Requisition for conduction of certification course and approval from governing council".

With respect to the academic committee members meeting was held for analyzing department curriculum/syllabus for the academic year 2014-15. The committee members identified few gaps after analyzing the syllabus and feedback from the stake holders. To bridge the gaps identified in the curriculum the committee members decided to conduct a certification course for the academic year 2014-15.So I request you to forward and get the approval from governing council for the same.

Thanking you

Enclosure: Budget Proposal.

Principal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 C

Forward deal to the and sourced PR HOD EEE opartment of Electrical & Electronics Engine Sept. Jiri Colles 3 of Engineering Bangalore - 560057.



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Department of Electrical & Electronics Engineering

To,

IQAC Coordinator Sapthagiri College of Engineering Bangalore - 560057.

Respected Sir,

Subject: Budget proposal for conduction of certification program on "Design of external insulation

from DC permanent voltage under polluted condition"

With reference to above subject, I undersigned would like to bring the following for your kind information and consideration. As a part of programming skill development for EEE students, department of Electrical and Electronics Engineering would like to conduct 5 days Certification Course on "Design of external insulation from DC permanent voltage under polluted condition" from 27th -Jan-2015 to 31st -Jan-2015.

In this regard, I request you to kindly grant permission for the conduction of the course the above specified event for Please grant permission for the sanction of Rs.3500 for the conduction of the above mentioned program and oblige.

Sl. No.	Item	Quantity	Unit Cost in Rs.	Total cost in Rs.
1	Certificates	100	20	2000
2	others			1500
Gran	d Total	I		3500

Estimated Budget

For asproval 4 German - Pi the asproval 4 German - Pi Thanking You, HOD.EEE operiment of Electrical & Electronics Engineering Sapthagiri College of Engineering Bangalore - 560057. Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057



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Department of Electrical & Electronics Engineering

03-01-2015

CIRCULAR

This is to inform that the following Curriculum Board members are requested to attend the meeting on 06/01/2015 at 10.30AM in the HODs chamber to discuss about the certification course.

Sl No.	Faculty Name	Designation	Signature
1	Dr. K N Ravi	HOD	Kow
2	Prof. Rekha SN	Associate Professor	RV
3	Prof. Dhamodaran A	Assistant Professor	Allen
4	Prof. Jhansi K	Assistant Professor	Theacey
5	Prof. Ashwini C	Assistant Professor	Ac
6	Prof. Rukmangada R	Senior Lecturer	Re

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Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057

HOD,EEE

opariment of Electrical & Electronics Engineering Sapinagiri College L. Engl. cering Bangatore - 560057.



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Department of Electrical & Electronics Engineering

Date:03-01-2015

To,

Dr Muralidhar, Associate Professor, Jain University, Bangalore-562112.

Respected Sir,

Subject: Invitation as a "Guest Speaker" in certification program and to attend meeting to discuss about the certification program

Department of Electrical and Electronics Engineering have planned to conduct a certification program "Design of External Insulation from DC permanent voltage under polluted condition" for EEE Dept. students from 27-01-2015 of 31-01-2015. In this connection, we are privileged to invite you as a guest speaker on the above mentioned topic.

Thanking you for your kind acceptance to our request on phone. We request you to attend the meeting to discuss about the conduction of certification course on 6/01/2015 10.30AM We look forward to welcome you at SCE.

Thanking you

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057

Yours faithfully scironics En Electrical & E ertment of Sapthagiri College of Ender manifing



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Department of Electrical & Electronics Engineering

Minutes of Meeting

A meeting was conducted on 06-Jan-2015 in EEE HOD's Chamber to discuss and approve the following about the 5 days Certification Course for EEE Dept. Students.

- Course Title : "Design of external insulation from DC permanent voltage under polluted condition"
- Resource Personnel: Dr Muralidhar, Associate Professor, Jain University, Bangalore-562112.
- Course Duration & Date: 5 Days from 27th -Jan-2015 to 31st -Jan-2015

1

Course Content

Dates	SESSION 1 (9.00am-10.30am)	SESSION 2 (11.00am-12.30pm)	SESSION 3 Hands-on Session (1.30pm-4.00pm)
27-01-2015 Tuesday	 Introduction mechanism of flash0ver under pollution Contamination mechanism To identify the mechanisms responsible for these differences 	described, in connection with simple	strip between two electrodes. The distance between
28-01-2015 Wednesday	 The limit of the polluted surface, both as regards to surface water density 	 heat flow. surface conductivity 	 Hands on Collections system of DC permanenet voltage
29-01-2015 Thursday	 The conditions of water mass balance and heat balance within an infinitesimal element of the surface in ar. 	• Zoledziowski is considered which refers to the simple case of a flat	 Hands on Arrangement balance and heat balance on polluted air condition
30-01-2015 Friday	• As regards the dynamic characteristics of the pollution layer during wetting	ignition of the first arc	 Hands on Design of Insulation
31-01-2015 Saturday	• it is Necessary to have a knowledge of the relation between the concentration of surface wetness	as the boundary conditions	 Hands on Design of External Insulation and test

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057



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Department of Electrical & Electronics Engineering

The following Curriculum board members were present

Sl No.	Faculty Name	Designation	Signature
1	Dr. K N Ravi	HOD	King al
2	Prof. Rekha SN	Associate Professor	81
3	Prof. Damodardaran A	Assistant Professor	Allan
4	Prof. Jhansi K	Assistant Professor	Thearen
5	Prof. Ashwini C	Assistant Professor	Are
6	Prof. Rukmangada R	Senior Grade Lecture	P
7	Dr Muralidhar	Guest Speaker	Moralis

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Principal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057

HOD, EEE FEX. (1) - R. (-107) Concerns of Electronic All Charles Engineering Septness of Concerns Incontro Bangaloro - ECOUSY.



(Affiliated to Visvesvaraya Technological University, Belagavi& Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057 Phone:080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797 Department of Electrical & Electronics Engineering

NOTICE

As a part of programming skill development Department of Electrical and Electronics Engineering is conducting Five days Certification Course "Design of external insulation from DC permanent voltage under polluted condition" from 27th -Jan-2015 to 31st -Jan-2015.

All the Semester EEE Dept. students must attend the course compulsorily.

Signature of HoD

PROP & HOD Department of Electrical & Electricales Engineering Septings/ Codego of Engineering Bangstora - SEcont.

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Department of Electrical & Electronics Engineering

Certification Program: "Design of external insulation from DC permanent voltage under polluted condition"

Lesson Planner

Dates	SESSION 1 (9.00am-10.30am)	SESSION 2 (11.00am-12.30pm)	SESSION 3 Hands-on Session (1.30pm-4.00pm)	No. of Hours
27-01-2015 Tuesday	 Introduction mechanism of flash0ver under pollution Contamination mechanism To identify the mechanisms responsible for these differences 	 Models of this kind are described, in connection with simple geometries, in As an example, the model firstly defined by Alston 	 Hands on Polluted strip between two electrodes. The distance between 	6
28-01-2015 Wednesday	 The limit of the polluted surface, both as regards to surface water density 	heat flow.surface conductivity	 Hands on Collections system of DC permanenet voltage 	6
29-01-2015 Thursday	 The conditions of water mass balance and heat balance within an infinitesimal element of the surface in ar. 	• Zoledziowski is considered which refers to the simple case of a flat	 Hands on Arrangement balance and heat balance on polluted air condition 	6
30-01-2015 Friday	• As regards the dynamic characteristics of the pollution layer during wetting	 Dry band formation, up to the ignition of the first arc define, respectively, the conditions of water mass 		6
31-01-2015 Saturday	• it is Necessary to have a knowledge of the relation between the concentration of surface wetness	 electrical conductivity as well as the boundary conditions Wet band formation 	 Hands on Design of External Insulation and Test 	6
			Total	30

HOD PROFE pepertment of Electrical & Electrication Electricity Bapthagiri College of Englise The Bangalore - 590357.

Muralis

GUEST SPEAKER

Pr neibal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057



Sapthagiri College of Engineering 14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057 Department of Electrical and Electronics Engineering

5 days Certification Program on

"Design of External Insulation from DC permanent voltage under polluted condition"

Students Enrollment

Academic year(2014-15)

S.No	USN	<u>Students Enrollment</u>	Academic y
1	1SG05EE02	Student Name	Signature
2	1SG05EE04		the
3	1SG09EE00		Ria
4	1SG09EE02		Sen
5	1SG10EE048		dert-
6	1SG11EE001		An.
7	1SG11EE002		Binz
8	1SG11EE003		fun
9	1SG11EE004		Anto
10	1SG11EE005		late
11	1SG11EE006		Anallo
12	1SG11EE007		obser
.13	1SG11EE008	CHAITRA S	in the second
14	1SG11EE009	CHANDAN KUMAR	(S)
15.	1SG11EE011	DIWAKAR. V	CASOT
16	1SG11EE012	GAYATHRI. S	Open
17	1SG11EE013	GURUMURTHY	aut.
18	1SG11EE015	HEMALATHA. H	gra.
19	1SG11EE016	District WithWorks	fruis
20	1SG11EE017	JAILS ROSHAN TIGGA JAYASHREE G MATH	Fort
21	1SG11EE018	MANOJ KUMAR	Stopul
22	1SG11EE020		Micros
23	1SG11EE021		Plotte-
24	1SG11EE022	MONAMI SRIVASTAVA MONICA.A	war
25	1SG11EE024	NAGARJUN.K	ANT
26	1SG11EE027	NIKHIL	Nagasjur
27	1SG11EE028	NIKITHA R DESHPANDE	Nikhi)
28	1SG11EE029	PAVITHRA, N	- Sound
29	1SG11EE030	PRAHARSHA. S	Ph
30		PRASHANTH KUMAR. G	aproshen .
31	Land a second	PRINCE MISHRA	prasher
32		PRONNOY ROY C	mugha
33	100	RAKESH. D	()ronnoy
34	1	RESHMI. C.R	-Raken.
35	all and a second s	SAMEEKSHA. M	Ro show
	1001	SANJANA JOHN	an.
	100	SHAIKH MD ILYAS	Senjaner.
			and

Principal Sapthagiri College of Engineering Chikkasandra, Hesara Bangalore



38	1SG11EE045	SHUBHAM KUMAR	Shubhen
39	1SG11EE046	SNEHA SUSI.S	Sneha Susi
40	1SG11EE047	SOURABH. B.M	
41	1SG11EE048	SOWMYA. N	Sousiabh E
42	1SG11EE049	SUBRAT KUMAR MISHRA	C HH D
43	1SG11EE050	S. SUGANYA	- Carlos
44	1SG11EE051	SUPREETH. S	Byzneith S.
45	1SG11EE054	TEJASWINI. H.J	TEPOSWINI
46	1SG11EE056	VIKRAM KUMAR	
47	1SG11EE057	YASHASWINI. S	- Dekaan Kune.
48	1SG10EE404	LAVANYA.M	Lavanya M
49	1SG11EE405	PRAVEEN KUMAR B Y	- Ramen
50	1SG12EE400	ADARSH. K.	Adarth K.
51	1SG12EE402	DEEPAK. N.	Denek.
52	1SG12EE404	PREMALATHA. B.	- Charles
53	1SG12EE408	SANTHOSH KUMAR. M	C formalathe
54	1SG12EE409	VANI G.A.	and a
55	1SG12EE410	VEERESH, K.R.	Oeveel.

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14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057

Department of Electrical and Electronics Engineering

5 days Certification Program on

"Design of External Insulation from DC permanent voltage under polluted condition"

Students Enrollment Academic Year(2014-15)

D

S.No	USN	Student Name	Signature
1	1SG12EE002	AJAY KUMAR R	A
2	1SG12EE003	ALOK KHAN	Alok.
3	1SG12EE004	AMIT KUMAR RAY	Amitkung
4	1SG12EE005	ANSHU KUMAR	Anshu
5	1SG12EE006	ARPITA GHOSH	Ayborn
6	1SG12EE007	ARVIND KUMAR	Arvind.
7	1SG12EE009	ASHUTOSH KUMAR	Querier "
8	1SG12EE010	AVINASH KUMAR SINGH	Awneth.
9	1SG12EE012	BHAGYALAKSHMI N	Aller .
10	1SG12EE013	BHAVYASHREE M	Bhavyashree
11	1SG12EE014	CHANDRA PRAKASH KUMAR	Bhau
12	1SG12EE015	DIWYANSHU KUMAR	Diwyonth
13	1SG12EE016	FARHEENA K	Fashenal
14	1SG12EE017	G DINESH KUMAR	- tinu
15	1SG12EE019	HARI KISHORE M G	Horiki
16	1SG12EE021	JAYANTH K	1
17	1SG12EE022	JYOTHI KUMARI	Jayanth 1
18	1SG12EE023	KRISHNA KIRITI V	Tyothe
19	1SG12EE024	KUSUMA D N	kuauma
20	1SG12EE025	LEKHA SHREE C B	1 ekba
21	1SG12EE027	MRITUNJAY KUMAR PRAVIN	M. E Baver
22	1SG12EE028	NAGASHREE K N	Dento
23	1SG12EE030	NAVJYOT PRINCE	
24	1SG12EE031	NISHANTH K	Neshanth.
25	1SG12EE032	NITHIN KALYAN KUMAR	N.K.Kuna
26	1SG12EE033	NUNKESH L	A link 11
27	1SG12EE034	RAJESH VASUDEVAN NAIR	Neshelin
28	1SG12EE035	RAVI PRAKASAH	Denperke-
29	1SG12EE037	SABARISH N	Sabaarsh
30	1SG12EE038	SANDEEPA	Bindert.
31	1SG12EE039	SANTOSH SHARMA	Canter 64
32	1SG12EE040	SATENDRA KUMAR SINGH	5 t dya
33	1SG12EE041	SAURAV SHAILENDRA	Patrov.
34	1SG12EE042	SHAILENDRA KUMAR SINGH	Shothendro
35	1SG12EE043	SHREYA VIJAYENDRA KULAKARNI	Le Le
36	1SG12EE045	SONALI KUMARI	Sonals
37	1SG12EE046	SOWMYAYU	Sowmys 4

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Sapthagiri College of Engineering 14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057

14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057 Department of Electrical and Electronics Engineering

S.No	USN	Student Name	Signature
38	1SG12EE047	SUBRAHMANYA SHRIDHARA SHASTRI	- Songflilli
39	1SG12EE048	SUDHANSHU	Sudhanahu
40	1SG12EE049	SUMITH	Forthe'
41	1SG12EE050	SUSHMITHA C	Eastrait C.
42.	1SG12EE051	UMA KARTHIK H S	Custortite "
43	1SG12EE052	V. NAVEEN	JAronun.
44	1SG12EE053	VAISHAK CHANDRAN	Work Charde
45	1SG12EE054	VANAJAKSHI. M	(lanaj akilhm

Thereig [Co-ordinator]

PROF & HOD Department of Electrical & Electronics Provinced Septhagiri College of Engine, Bangaiore - 550037

HOD

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057



5 days Certification Program on

"Design of External Insulation from DC permanent voltage Under Polluted Condition"

Attendance

Academic Year (2014-15)

	SI.				Academic Year (2014-15)											
- 1	No USN	Student Name				01-2015	-	1-2015		1-2015	1	31-01-20	15			
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	2 1SG12EE0			P	P	P	P	P	2	P	D	D	P	P		
	3 1SG12EE0	04 AMIT KUMAR RAY	-	P	13	P	P	P	P		12	F				
	4 1SG12EE0	05 ANSHU KUMAR		18	P	P	p	P	D	P	D	P	P	P		
	5 1SG12EE0	06 ARPITA GHOSH		P	P	P	D	B	p	Þ	P	12	P	1		
	3 1SG12EE00	07 ARVIND KUMAR		P	P	P	P	p	Þ	2>	b	P	+	P		
7	7 1SG12EE00	9 ASHUTOSH KUMAR		p	P	P	P	P	Þ	Þ	D	þ		6		
8	TOOTZELU	0 AVINASH KUMAR SINCH		P	P	12	p	P	P	D	b	P	P	5		
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1	1 1SG12EE01	4 CHANDRA PRAKASH KUMA		1	b	p	10	3	in	P	12	12		P		
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15				P	P	'p	P	15	Þ	p	5	P		P		
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17				(P	-	B	D	D	6	h	5	P	12		
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19	1SG12EE024		-	P	p	p	0	P	15	D	1	p	R-			
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27	1SG12EE034	RAJESH VASUDEVAN NAIR	17		Þ	P	p	0						9		
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Principa Sapthagiri College Fingineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057



SI. No	USN	Student Name	27-01	-2015	28-01	-2015	29-01	-2015	30-01	-2015	2.	1 04 00	
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42	1SG12EE051	UMA KARTHIK H S	0	0	0			AS	MS	AS	MS	AS	Test
43	1SG12EE052	V. NAVEEN	- F	P	P	P	P	P	P	P	P	P	P
44	1SG12EE053	VAISHAK CHANDRAN	- p	P	P	P	P	p	P	P	p	þ	P
45		VANAJAKSHI. M	P	P	-	P	P	P	P	P	P	-	5
		Signature	- P	P	P	P	P	P	P	P	P	P	P

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PROF & HOD Oppartment of Electrical & disctronics Engineering Septhagina and a of Engineering Bangatore - 560057.

Principal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057



5 days Certification Program on

"Design of External Insulation from DC permanent voltage Under Polluted Condition"

Attendance

Academic Year (2014-15)

5	SI.						A	cade	nic Y	lear ((2014)	-15)		
N	No USN	Student Name		27-01 MS	-2015 AS		1-2015	29-0	1-2015		1-2015	140	31-01-20	15
	1 1SG05EE020			ρ	AS P.	MS	AS	MS	AS	MS	AS	MS	AS	Test
-	2 1SG05EE042			1	1	P	P	P	P	P	P	P	P	P
	3 1SG09EE002		1	0	P	P	p	P	P	P	P	P	P	12
	4 1SG09EE025	KISHORE KUMAR MV	- F		1	P	P	P	P	P	P	P	P	0
5	1001011040	SURABHI JOSHI		P	P	P	P	P	P	P	-	P	P	P
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11		APPU PRASAD	P	-	1	P	12	P	-	P	p	P	P	()
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25	1SG11EE024	NAGARJUN.K		P			1-	P	p	D	P	PI	Ch. International	S
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30	1SG11EE031	PRASHANTH KUMAR. G	P		> 9	F		- P		0 1	2p	P	p	
31	1SG11EE032	PRINCE MISHRA	12	12		2	PI	P			D -	-	PP	
32	1SG11EE033	PRONNOY ROY C	15	P		PF				p p	1	2 F		
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34	1SG11EE038 F	RESHMI. C.R	01	p	- 1	PF	Ph	- K	P	P	P	F		
35	1SG11EE041 S	SAMEEKSHA. M	1/ /	12	PP			P	F		P	1	DP	
36	1SG11EE042 S	SANJANA JOHN	P	17			2p	-P			P	5-) P	
37	1SG11EE043 S	SHAIKH MD ILYAS	R	D			2 P	-P	1	2 P	p	P	P	
38	1SG11EE045 S	HUBHAM KUMAR	R	P	P		- p	12	-F	>P	1-) 'p	P	
39	1SG11EE046 S	INEHA SUSI.S	12	b	- 6	2 1	PP	P	5		2 5	>p	P	
40	1SG11EE047 S	OURABH. B.M	PR	17	-h	-12		= 0			1	D P	P	
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Princip Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057



SI. No	USN	SN Student Name		1-2015	28-01	1-2015	29-01	1-2015	30-0	1-2015	3	1-01-20	15
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42	1SG11EE049	SUBRAT KUMAR MISHRA	P	Ω	P	P	10	0	1113	AS	IVIS	AS	Test
43	1SG11EE050	S. SUGANYA	Ô	F	0	F	F	P	+Y	P	P	P	P
44	1SG11EE051	SUPREETH. S	P	P	1 P	-	P	B	P	P	P	ρ	P
45	1SG11EE054	TEJASWINI. H.J	P	r D	P	1 P	P	P	P	-	P	P	P
46	1SG11EE056	VIKRAM KUMAR	P	K	Y	P	K	P	P	P	P	P	(1)
47	1SG11EE057	YASHASWINI. S	P	P	P	15	P	P	P	P	P	P	P
48	1SG10EE404	LAVANYA.M	- P	6	P	P	P	P	P	P	P	P	ρ
49	1SG11EE405	PRAVEEN KUMAR B Y	P	P	P	-	P	P	P	P	P	P	P
50	1SG12EE400	ADARSH, K.	0	5	P	P	P	P	P	P	P	P	P
51	1SG12EE402	DEEPAK. N.	P	2	Y	F	P	P	P	P	P	P	P
52	1SG12EE404	PREMALATHA. B.	15	·Y	-Y	P	P	P	P	P	-	P	P
53	1SG12EE408	SANTHOSH KUMAR. M	P	-	P	P	P	P	P	P	P	P	p
54	1SG12EE409	VANI G.A.	P	8	P	P	P	P	P	P T	P	0	p
55	1SG12EE410	VEERESH. K.R.	P	P	P	p_	ρ	P	P	P	P	P	P
		Signature	p G/	6	Y	P	-	P	P	p	P	P	p
			16/1		(un	(N)	w	P	P	P	Q	Q	P

Principal Sapthagiri Collego of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 or - HOD PROF & HOD

Ovpartment of Electrical & Electronics Engineering Sapthagiri College of Engineering Bangalore - 560057.

SAPTHAGIRI

SRI'SRINIVASA EDUCATIONAL & CHARITABLE TRUST (R) SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvoswaraya Tochnological University, Belgaum & Approved by AICTE - New Deihi)

Date: 16/01/2015.

To The General Manager Viji Power Transformer Bangalore

From Principal Sapthagiri college of Engineering Bangalore-57 Respected sir

Subject: "Visit of VII sem EEE students to Viji Power Transformer"

It is hereby informed that the students of our college, studying the in final year B E would like to visit Viji Power transformer. This will help in value added teaching to our students. Our college is conducting the certification course "Design of External Insulation from DC permanent voltage under polluted Condition" to seventh semester students of Electrical and Electronics Engineering Familiarization of Design of External insulation used in electrical equipment, so as to help them in their academic knowledge and to develop interest in learning subjects.

We are greatly obliged if you allow our students in batches, about 50 per batch to visit your, industry for a technical visit on the afternoons of 02nd and 3rd of feb-2015.

For your kind information the college does not have foreign national students. A list of students who would be visiting your industry is attached with this letter for your perusal. Two of the staff will be accompanying in both the batches batch.

Thanking you,

Yours faithfully,

Plincipal Sapihagiri Collega of Engineoring 14/6, Chikkasandra: Hosaraghalta Main, Road Bengaturu - 500 057 A CORMERSON OF

14/5 Chikkasandra, Hesaraohalta Main Road, Bangalore - 560 057 KARNATAKA principal Sapthagiri College of Engineering 14/5, Chikkasandra, Hesaraghatta Main Road 14/5, Chikkasandra, Hesaraghatta Main Road Bengaluru - 560 057 IJI POWER TRANSFORMERS PV

Manufacturer of Power & Distribution, Dry Type, Special Transformers upto 63 MVA 220KV Class and Heavy Fabrication up to 100 MVA VIJI/GROUP CIN No.: U31102KA2011PTC058115



Date: 20/01/2015

From The General Manager Viji Power Transformer Bangalore

To Principal Sapthagiri college of Engineering Bangalore-57 Respected sir

Subject: "Permission to visit Viji Transformer on 2nd Feb 2015 and 3rd Feb 2015."

Ref: Letter dated:16/01/2015

With reference to the above, approval is hereby accorded to permit for the visit 100 students in batch (50 per batch) of Electrical and Electronics Engineering students along with two staffs of Sapthagiri College of Engineering, Bengaluru to visit Viji Transformers on 2nd Feb 2015 and 3rd Feb 2015during working hours

The following are dates for visit.

Γ	Sl.No	Name	of	the	Date		Number of students and staff
		company					
Γ	1	Viji Transfo	ormer	S	2 nd	Feb	50 number of students & 2 nos
-	and the second second	P 15.			2015		staff
1					3rd Feb	2015	50 number of students & 2 nos
							staff

cipal

Bengaluru - 560 057

The authorities of Sapthagiri College of Engineering will be fully responsible for the safety of the students and accompanying faculty during their visit.

Thanking you,

Contact Person's Details:

Harish N

8660327505

Viji power transformers pvt.ltd

Kadabagere cross, Bengaluru



Corporate Office : No. 56/1, Kottigepalya, Srigandadakavalu, Magadi Main Road, Bengaluru - 560 091. Ph: 080 - 2348 8937.

- Works & Admin. Office : # 21, Mehta Industrial Estate, Machohalli, Bapagrama Post, Bengaluru 560 091. Ph.: 080 2977 6931.
- Fabrication Unit : # 137/3, Dasanapura Hobli, Magadi Main Road, Kadabagere Cross, Bengaluru 562 130. Ph: 080 2853 6930. Visit us at: www.vijigroup.com



5 days Certification Program on

"Design of External Insulation from DC permanent voltage under polluted condition"

Students Enrollment

Academic year(2014-15)

S.No	USN	Student Name
1	1SG05EE020	KARTHIK.V.S
2	1SG05EE042	RANSHITH, M
3	1SG09EE002	AJAY KUMAR
4	1SG09EE025	KISHORE KUMAR, M.V
5	1SG10EE048	SURABHI JOSHI
6	1SG11EE001	A. BRINDHA
7	1SG11EE002	ABHINAV KUMAR
8	1SG11EE003	ANJALI
9	1SG11EE004	ANKAN NANDI
10	1SG11EE005	ANURAG KUMAR
11	1SG11EE006	APPU PRASAD
12	1SG11EE007	ASHWIN J
13	1SG11EE008	CHAITRA S
14	1SG11EE009	
15	1SG11EE011	
16	1SG11EE012	
17	1SG11EE013	
18	1SG11EE015	
19	1SG11EE016	
20	1SG11EE017	
21	1SG11EE018	
22	1SG11EE020	
23	1SG11EE02	
24	1SG11EE023	2 MONICA.A
25	1SG11EE024	4 NAGARJUN.K
26	1SG11EE02	7 NIKHIL
27	1SG11EE02	8 NIKITHA R DESHPANDE
28	1SG11EE02	9 PAVITHRA. N
29	1SG11EE03	0 PRAHARSHA. S
30	1SG11EE03	1 PRASHANTH KUMAR, G
31	1SG11EE03	2 PRINCE MISHRA
32	1SG11EE03	3 PRONNOY ROY C
33	1SG11EE03	
34	1SG11EE03	
35	1SG11EE04	
36	1SG11EE04	
37	1SG11EE04	
01	ISGITEE	

Sapthagiri College of Enginee 14/5, Chikkasandra, Hesareghatta Main Bengaluru - 560 057 Principal



38	1SG11EE045	SHUBHAM KUMAR
39	1SG11EE046	SNEHA SUSI.S
40	1SG11EE047	SOURABH, B.M
41	1SG11EE048	SOWMYA, N
42	1SG11EE049	SUBRAT KUMAR MISHRA
43	1SG11EE050	S. SUGANYA
44	1SG11EE051	SUPREETH. S
45	1SG11EE054	TEJASWINI, H.J
46	1SG11EE056	VIKRAM KUMAR
47	1SG11EE057	YASHASWINI. S
48	1SG10EE404	LAVANYA.M
49	1SG11EE405	PRAVEEN KUMAR B Y
50	1SG12EE400	ADARSH. K.
51	1SG12EE402	DEEPAK. N.
52	1SG12EE404	PREMALATHA. B.
53	1SG12EE408	SANTHOSH KUMAR, M
54	1SG12EE409	VANI G.A.
55	1SG12EE410	VEERESH. K.R.

fo HOD

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Principal Saptinagiri College of Engineering 14/5, Chikkasandre, Hesaraghatta Main Road Bengaluru - 560 057



5 days Certification Program on

"Design of External Insulation from DC permanent voltage under polluted condition"

Students Enrollment

Academic year(2014-15)

S.No	USN	Student Name
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5	1SG10EE048	SURABHI JOSHI
6	1SG11EE001	A. BRINDHA
7	1SG11EE002	ABHINAV KUMAR
8	1SG11EE003	ANJALI
9	1SG11EE004	ANKAN NANDI
10	1SG11EE005	ANURAG KUMAR
11	1SG11EE006	APPU PRASAD
12	1SG11EE007	ASHWIN J
13	1SG11EE008	CHAITRA S
14	1SG11EE009	CHANDAN KUMAR
15	1SG11EE011	DIWAKAR. V
16	1SG11EE012	GAYATHRI. S
17	1SG11EE013	GURUMURTHY
18	1SG11EE015	HEMALATHA. H
19	1SG11EE016	JAILS ROSHAN TIGGA
20	1SG11EE017	JAYASHREE G MATH
21	1SG11EE018	MANOJ KUMAR
22	1SG11EE020	MOHAMMED HABEEB
23	1SG11EE021	MONAMI SRIVASTAVA
24	1SG11EE022	MONICA.A
25	1SG11EE024	NAGARJUN.K
26	1SG11EE027	NIKHIL
27	1SG11EE028	NIKITHA R DESHPANDE
28	1SG11EE029	PAVITHRA, N
29	1SG11EE030	PRAHARSHA. S
30	1SG11EE031	PRASHANTH KUMAR. G
31	1SG11EE032	PRINCE MISHRA
32	1SG11EE033	PRONNOY ROY C
33	1SG11EE036	RAKESH. D
34	1SG11EE038	RESHMI, C.R
35	1SG11EE041	SAMEEKSHA. M
36	1SG11EE042	SANJANA JOHN
37	1SG11EE043	SHAIKH MD ILYAS

Principal Sapthagiri College of Engineering 14/5, Chikkasandra, Hesereghatta Main Road Bengaluru - 560 057



S.No	USN	Student Name	
38	1SG12EE047	SUBRAHMANYA SHRIDHARA SHASTRI	
39	1SG12EE048	SUDHANSHU	
40	1SG12EE049	SUMITH	
41	1SG12EE050	SUSHMITHA C	
42	1SG12EE051	UMA KARTHIK H S	
43	1SG12EE052	V. NAVEEN	
44	1SG12EE053		
45	1SG12EE054	VANAJAKSHI, M	

HOD PROF & HOD

Department of Electrical & Electronics Engineering Sapthagirl College of Engineering Bangalore - 560057. Principal Principal Sapthagiri College of Engineering Has, chikkasandra, Hasaraghatta Main Rost Has, chikkasandra, Hasaraghatta Main Rost Bangaluru - 560 057



Sapthagiri College of Engineering 14/5, Chikkusundra, Hesuraghama Main Road, Bengaluru-560057

Department of Electrical and Electronics Engineering

5 days Certification Program on

"Design of External Insulation from DC permanent voltage under polluted condition"

ATTENDANCE

Academic Year(2014-15)

S.No	USN	Student Name	Date:03-02-2015
1	18G11EE00	1 A BRINDHA	P
2	19G11EE00	2 ABHINAV KUMAR	P
3	15G11EE00.	3 ANJALI	P.
4	15G11EE004	ANKAN NANDI	P
5	1SG11EE005	5 ANURAG KUMAR	p
6	1SG11EE006	APPU PRASAD	p
7	1SG11EE007	ASHWIN J	P
8	1SG11EE008	CHAITRA S	P
9	1SG11EE009		p
10	1SG11EE011	DIWAKAR. V	P
11	1SG11EE012	GAYATHRI. S	p
12	1SG11EE013	GURUMURTHY	P
13	1SG11EE015	HEMALATHA. H	P
14	1SG11EE016	JAILS ROSHAN TIGGA	0
15	1SG11EE017	JAYASHREE G MATH	0
16	1SG11EE018		
17	1SG11EE020	MOHAMMED HABEEB	
18	1SG11EE021	MONAMI SRIVASTAVA	
19	1SG11EE022	MONICA.A	P P
20 1	SG11EE024	NAGARJUN.K	P
21 1	SG11EE027	NIKHIL	
22 1	SG11EE028	NIKITHA R DESHPANDE	P
23 1	SG11EE029	PAVITHRA. N	F
24 1	SG11EE030	PRAHARSHA. S	D
25 15	G11EE031	PRASHANTH KUMAR, G	0
		PRINCE MISHRA	p
		PRONNOY ROY C	P
		RAKESH. D	
			P
		RESHMI. C.R	P
		SAMEEKSHA. M	<u>}^2</u>
		SANJANA JOHN	ρ
		SHAIKH MD ILYAS	P
		SHUBHAM KUMAR	P
34 15	G11EE046	SNEHA SUSI.S	P 1
		SOURABH. B.M	D
36 15	G11EE048	SOWMYA. N	21/
37 19	G11EE049	SUBRAT KUMAR MISHRA	Enize IV
			Sapthagiri College of Engineering Sapthagiri College of Engineering



38	15G11EE050	S. SUGANYA	P
39	19G11EE051	SUPREETH S	I P
40	19G11EE054	TEJASWINI, H.J	P
41	19G11EE056	VIKRAM KUMAR	P
42	19G11EE057	YASHASWINI. S	P
43	15G10EE404	LAVANYA.M	P
44	1SG11EE405	PRAVEEN KUMAR BY	P
45	15G12EE400	ADARSH. K.	
46	1SG12EE402	DEEPAK. N.	
47	1SG12EE404	PREMALATHA, B.	
48	1SG12EE408	SANTHOSH KUMAR, M	
49	15G12EE409	VANI G.A.	
50	1SG12EE410	VEERESH. K.R.	P
51	Faculty	Prof. Jh <mark>a</mark> nsi K	PA
52	Faculty	Prof. Ashwini C	P. Ashwnie

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Sapthagiri College of Engineering 14/5, Chikkasandra, Hesaraghatta Main Read Bengaluru - 560 057 Principal



5 days Certification Program on

"Design of External Insulation from DC permanent voltage under polluted condition"

		ATTENDANCE	Academic Year (2014 Date:02-02-2016
No	USN	Student Name	Date:02-02-2010
1	the state of the s	AJAY KUMAR R	
	1001===	ALOK KHAN	P
2	1SG12EE003	AMIT KUMAR RAY	P
3		ANSHU KUMAR	P
4	1SG12EE005	ARPITA GHOSH	P
5	1SG12EE006	ARVIND KUMAR	P
6	1SG12EE007	ASHUTOSH KUMAR	P
7	1SG12EE009	AVINASH KUMAR SINGH	P
8	1SG12EE010		P
9	1SG12EE012	BHAGYALAKSHMI N	P
10	1SG12EE013	BHAVYASHREE M	P
11	1SG12EE014	CHANDRA PRAKASH KUMAR	P
12	1SG12EE015	DIWYANSHU KUMAR	6
13	1SG12EE016	FARHEENA K	P
14	1SG12EE017	G DINESH KUMAR	P
15	1SG12EE019	HARI KISHORE M G	
16	1SG12EE021		1
17	1SG12EE022		P
18	1SG12EE023		
19	1SG12EE024	KUSUMA D N	P
20	1SG12EE025	LEKHA SHREE C B	P
21	1SG12EE027	MRITUNJAY KUMAR PRAVIN	P
22	1SG12EE028	NAGASHREE K N	A STATE OF
23	1SG12EE030	NAVJYOT PRINCE	P'
24	1SG12EE031	NISHANTH K	- P
25	1SG12EE032	NITHIN KALYAN KUMAR	P
26	1SG12EE033	NUNKESH L	P
27	1SG12EE034		12
28	1SG12EE03		P
29	1SG12EE03		p
30	1SG12EE03	the second se	P
30	1SG12EE03		P
	1SG12EE04		2
32	1SG12EE04		P
33	1SG12EE04		P
34	1SG12EE04		RNI P
35	1SG12EE04		P
36	1SG12EE04		P

Principal Sapthagiri College of Engineering 14/5, Chikkasandra, Hesareghatta Main Rosc Bengaluru - 560 057



S.No	USN	Student Name	Date:02-02-2015
38	1SG12EE047	SUBRAHMANYA SHRIDHARA SHASTRI	P
39	1SG12EE048	SUDHANSHU	P
40	1SG12EE049	SUMITH	P
41	1SG12EE050	SUSHMITHA C	P
42	1SG12EE051	UMA KARTHIK H S	2
43	1SG12EE052	V. NAVEEN	p
44	1SG12EE053	VAISHAK CHANDRAN	p
45	1SG12EE054	VANAJAKSHI, M	P
46	1SG05EE020	KARTHIK.V.S	P
47	1SG05EE042	RANSHITH. M	p
48	1SG09EE002	AJAY KUMAR	P
49	1SG09EE025	KISHORE KUMAR. M.V	P
50	1SG10EE048	SURABHI JOSHI	P
51	Faculty	Prof. Jhansi K.	
52	Faculty	Prof. Ashwini C	P Ashwi

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. none:080-28372800/1/2

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Fax: 080-28372797

Department of Electrical & Electronics Engineering

5 days Certification Course on

"Design of external insulation from DC permanent voltage under polluted condition"

Test Time Table

SI. No.	DATE	DAY	TIMINGS
1	31-01-2015	Saturday	3.00PM-4.00PM

Sapthagiri College of Engineering Childasandra, Hesaraghatta Road, Bangalore-560 057

HOD, EEE

PTOF & MOD Department of Blocksel & Stecharino Engineer Septhagid College of Engineering Bangelora - 560057.



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Department of Electrical & Electronics Engineering

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"Design of external insulation from DC permanent voltage under polluted condition"

Question Paper

Duration :1hr

Maximum marks :90

Note: Question number 1-20 (1M each)

Answer all the Questions:

Q1. In an electromagnet

a) Current must flow through the coil to produce magnetic field

b) The magnetic field has the same strength with or without current

c) Current must flow but no voltage need be applied across the coil

d) The coil must have high resistance for minimum coil current

2. The motor action in a wire conducting current can be produced

a) Without any additional magnetic field

b) By moving the conductor from a weaker field towards stronger field

c) By moving the conductor from stronger field towards weaker field

d) By producing the motion by not rotation

3. The requirement for producing induced voltage is

a) Magnetic flux moving across a conductor

b) Magnetic flux moving across a dielectric

c) An insulated wire free from any external magnetic field

d) A bare wire moving parallel to an external magnetic field

4. A 5:1 voltage step up transformer has 120 volts across the primary and 600 ohms resistance across the secondary. Assuming 100% efficiency the primary current equals

- a) 1/5 amp
- b) 500 ma
- c) 10 amps
- d) 20 amps
- e) 5 amps

5. In a transformer, the voltage induced in the secondary winding must always be 90 degree out of phase with the

- a) Primary voltage
- b) Primary current
- c) Secondary voltage
- d) Secondary current

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6. A ferrite core has less eddy-current loss than an iron a core because

- a) Ferrites have low resistance
- b) Ferrites have high resistance
- c) Ferrites have low permeability
- d) Ferrites have high hysteresis

7. Which of the following motors is usually used in household refrigerators?

- a) D.c. shunt motor
- b) Reluctance motor
- c) Single phase induction motor (split phase start or induction run motor)
- d) Synchronous motor

8. If the refrigerator unit runs continuously maintaining cabinet coil, the failure of unit is attributed to

- a) Extreme hot weather conditions
- b) Poor door seal at gasket
- c) Defective motor
- d) Defective thermostat

9. The maximum temperature permitted for Class A insulation is

- a) 180° C
- b) 105° C
- c) 120° C
- d) 155° C
- 10. The cotton, silk paper, and wood are
- a) Class A insulation
- b) Class Y insulation
- c) Class H insulation
- d) Class B insulation

11. Rheostatic breaking gives greater braking torque than plugging.

- a) True
- b) False

12. Which of the following rules states that the direction of an induced current is always such that the magnetic field which it produces reacts in opposition to the change of flux.

- a) Thumb rule
- b) Lenz's law
- c) Kirchhoff's law
- d) Faraday's law

13. What conditions are necessary for an induced voltage to be created by means of rotation. a) A magnetic field

b) Movably placed loops conductors (turns)

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Department of Electrical & Electronics Engineering

- c) Lump conductors
- d) (a) and (b) both

14. In the following diagram of a line conductor, in which direction do the magnetic lines of force run if the observer is looking in the direction of current?

- a) Counter-clockwise around the conductor
- b) Clockwise around the conductor
- c) Around the conductor
- d) Outside the conductor

15. Which of the following rule is applied to above question to field direction of magnetic lines? a) Left-hand rule

- b) Right-hand rule
- c) Corkscrew rule
- d) Lenz's law
- 16. The utilization factor is maximum for
- a) Three-phase mercury arc rectifier
- b) Six-phase mercury arc rectifier
- c) twelve-phase mercury arc rectifier
- d) Single phase mercury arc rectifier
- 17. If the air gap of the induction motor is increased
- a) The power factor will increase
- b) The power factor will decrease
- c) The magnetizing current of the rotor will increase
- d) The magnetizing current of the rotor will decrease
- e) The speed of the motor will decrease

18. The squirrel cage induction motor has

- a) One slip rings
- b) two slip rings
- c) three slip rings
- d) zero slip rings
- 19. What will happen if the supply terminals of d.c. shunt motor are interchanged

a) motor will stop

- b) motor will run at its normal speed in the same direction as it was running
- c) the direction of rotation will reverse
- d) motor speed will increase
- 20. An amplidyne can be used as
- a) a d.c. series motor
- b) a d.c. shunt motor
- c) a d.c. compound motor
- d) magnetic amplifier

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Department of Electrical & Electronics Engineering

Approved by Academic Committee Members & HOD

Sl No.	Faculty Name	Designation	Signature
1	Dr. K N Ravi	HOD	F Or
2	Prof. Rekha SN	Associate Professor	8/
3	Prof. Dhamodaran A	Assistant Professor	Albert
4	Prof. Jhansi K	Assistant Professor	Theacele
5	Prof. Ashwini C	Assistant Professor	Ac
6	Prof. Rukmangada R	Senior Lecturer	R.
7	Dr Muralidhar	Guest Speaker	Muraie

Sapthagiri College of Engineering Chikkasandra, Heseraghatta Road, Br galotan (1057

HOD

PROF & HOD Propertment of Electrical & Electronics Engineering Septingerin College of Engineering Bangelore - 560057.



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Department of Electrical & Electronics Engineering

5 days Certification Course on

"Design of external insulation from DC permanent voltage under polluted condition"

Solutions for the Questions

Note: Question number 1-20 (1M each)

- and a second state () have a

Answer all the Questions:

Phone:080-28372800/1/2

Q1. In an electromagnet

a)Current must flow through the coil to produce magnetic field

b) The magnetic field has the same strength with or without current

c) Current must flow but no voltage need be applied across the coil

d) The coil must have high resistance for minimum coil current Option a

2. The motor action in a wire conducting current can be produced

a) Without any additional magnetic field

b) By moving the conductor from a weaker field towards stronger field

c) By moving the conductor from stronger field towards weaker field

d) By producing the motion by not rotation

Option c

3. The requirement for producing induced voltage is

a) Magnetic flux moving across a conductor

b) Magnetic flux moving across a dielectric

c) An insulated wire free from any external magnetic field

d) A bare wire moving parallel to an external magnetic field

Option a

4. A 5:1 voltage step up transformer has 120 volts across the primary and 600 ohms resistance across the secondary. Assuming 100% efficiency the primary current equals

- a) 1/5 amp
- b) 500 ma
- c) 10 amps
- d) 20 amps
- e) 5 amps
- Option c

5. In a transformer, the voltage induced in the secondary winding must always be 90 degree out of phase with the

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(Affiliated to Visvesvaraya Technological University, Belagavi& Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Phone:080-28372800/1/2

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- a) Primary voltage
- b) Primary current
- c) Secondary voltage
- d) Secondary current

Option d

6. A ferrite core has less eddy-current loss than an iron a core because

a) Ferrites have low resistance

b) Ferrites have high resistance

c) Ferrites have low permeability

d) Ferrites have high hysteresis

Option d

7. Which of the following motors is usually used in household refrigerators?

a) D.c. shunt motor

b) Reluctance motor

c) Single phase induction motor (split phase start or induction run motor)

d) Synchronous motor

Option c

8. If the refrigerator unit runs continuously maintaining cabinet coil, the failure of unit is attributed to

a) Extreme hot weather conditions

b) Poor door seal at gasket

c) Defective motor

d) Defective thermostat

Option d

9. The maximum temperature permitted for Class A insulation is

a) 180° C

b) 105° C

c) 120° C

d) 155° C

Option d 10. The cotton, silk paper, and wood are

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- a) Class A insulation
 - b) Class Y insulation
 - c) Class H insulation
 - d) Class B insulation

Option a

11. Rheostatic breaking gives greater braking torque than plugging.

a) True

b) False

Option b

12. Which of the following rules states that the direction of an induced current is always such that the magnetic field which it produces reacts in opposition to the change of flux.

a) Thumb rule

b) Lenz's law

c) Kirchhoff's law

d) Faraday's law

Option d

13. What conditions are necessary for an induced voltage to be created by means of rotation.a) A magnetic field

b) Movably placed loops conductors (turns) •

c) Lump conductors

d) (a) and (b) both

Option c

14. In the following diagram of a line conductor, in which direction do the magnetic lines of force run if the observer is looking in the direction of current?

a) Counter-clockwise around the conductor

b) Clockwise around the conductor

c) Around the conductor

d) Outside the conductor

Option d

15. Which of the following rule is applied to above question to field direction of magnetic lines?

a) Left-hand rule

b) Right-hand rule

c) Corkscrew rule

d) Lenz's law

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Option b

- 16. The utilization factor is maximum for
- a) Three-phase mercury arc rectifier
- b) Six-phase mercury arc rectifier

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- c) twelve-phase mercury arc rectifier
- d) Single phase mercury arc rectifier

Option a

- 17. If the air gap of the induction motor is increased
- a) The power factor will increase
- b) The power factor will decrease
- c) The magnetizing current of the rotor will increase
- d) The magnetizing current of the rotor will decrease
- e) The speed of the motor will decrease

Option d

- 18. The squirrel cage induction motor has
- a) One slip rings
- b) two slip rings
- c) three slip rings
- d) zero slip rings

Option d

19. What will happen if the supply terminals of d.c. shunt motor are interchanged

- a) motor will stop
- b) motor will run at its normal speed in the same direction as it was running
- c) the direction of rotation will reverse
- d) motor speed will increase
- Option a

20. An amplidyne can be used as

- a) a d.c. series motor
- b) a d.c. shunt motor
- c) a d.c. compound motor
- d) magnetic amplifier

Option c

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Approved by Academic Committee Members & HOD

Sl No.	Faculty Name	Designation	Signature
1	Dr. K N Ravi	HOD	× 0%
2	Prof. Rekha SN	Associate Professor	0%
3	Prof. Dhamodaran A	Assistant Professor	Alan
4	Prof. Jhansi K	Assistant Professor	The red 4
5	Prof. Ashwini C	Assistant Professor	Ac
6	Prof. Rukmangada R	Senior Lecturer	R
7	Dr Muralidhar	Guest Speaker	Moralis

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<u>5 days Certification Course on</u> "<u>DESIGN OF EXTERNAL INSULATION FROM DC PERMANENT VOLTAGE</u> <u>UNDER POLLUTED CONDITION"</u> <u>Participant Feedback</u>

1. How was the overall organization of the Certification Course?

a) Poor b) Satisfactory c) Good d) Excellent

2. How appropriate were the facilities provided?

a) Poor b) Satisfactory c) Good d) Excellent

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- 4. Effectiveness of the Hands-on Sessions

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8. Any Suggestions:

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Student Name: 2AVAN

Student Signature

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It was nice. hanks. Hands on sessions were good Need more like this. Kichore Kumar Student Signature Student Name: Sapthagiri College of Engineering 14/5, Chikkssendra, Hesaraghatia Main Road



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& beneficial Course was planoj Kumas Student Name: Student Signature Principal Sapthagiri College of Engineering 14/5, Chikkasandra, Hesaraghattu Main Road Bengaluru - 560 057



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Student Name:

Student Signature

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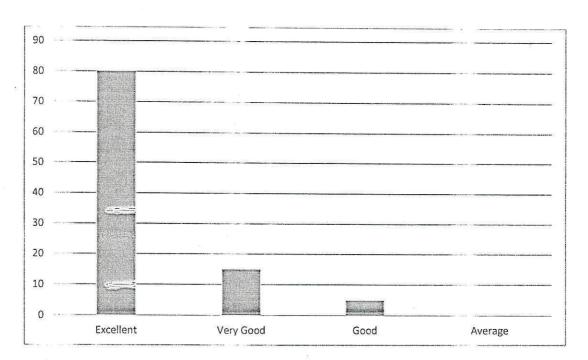
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FEEDBACK ANALYSIS

Certification Programme: "Design of external insulation from DC permanent voltage under polluted condition"

No. of students	Student Feedback(in %)				
	Excellent	Very Good	Good	Average	
25	80	15	5	0	



Action Report:

80 % of students were completely happy with the certification program and 15 % of students felt it was a good program and remaining 5 % students were satisfied with the program.

Action Taken:

The Feedback report which was collected from the students were sent to the principal and he would take necessary actions based on the comments and conduct more programs for the benefit of students.

Program Coordinator

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> Chikkasandra, Hesaraghatta Road, Bangalore-560 057

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Certificate This is to Certify that Mr./Ms. ____Nagarjun. K and has participated of ____EEE "Design of External successfully completed Five days Certification Course on Insulation from DC Permanent Voltage Under Polluted Condition" from Jan, 2015 to 31st Jan, 2015 organized by the Department of Electrical &

27th Electronics Engineering, Sapthagiri College of Engineering.

& Electronics Engineering Saphagini College of Engineering Bangalore - 560057

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Bangalore-560057

Certificate

This is to Certify that Mr./Ms. Sneha Susi. S

_____ has participated and of _____ EEE_____ successfully completed Five days Certification Course on "Design of External Insulation from DC Permanent Voltage Under Polluted Condition" from Jan, 2015 to 31st Jan, 2015 organized by the Department of Electrical & 27^{th} Electronics Engineering, Sapthagiri College of Engineering.

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Certificate

This is to Certify that Mr./Ms. _____

of ______ has participated and successfully completed Five days Certification Course on "Design of External Insulation from DC Permanent Voltage Under Polluted Condition" from 27th Jan, 2015 to 31st Jan, 2015 organized by the Department of Electrical & Electronics Engineering, Sapthagiri College of Engineering.

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HOD, Dept. of EEE

Principal

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Certificate Course Report

Department of EEE conducted Certificate Course on: "Design of external insulation from DC permanent voltage under polluted condition"

Guest Speaker: Dr Muralidhar, Associate Professor, Jain University, Bangalore-562112.

Duration of the course: five days from Jan 27th 2015 to Jan 31st 2015 Course detail:

Objective of the Course: The five day course made the students to be familiar with the topic. The importance of fulfilling the requirements. The high voltage DC transmission lines and links up to 600 kV are already operational in many countries. The strong development of HVDC system in the last decade has brought new experiences and has motivated extensive investigations in several fields in order to achieve a higher reliability and an optimum design.

With reference to the insulation coordination aspect the investigations were mainly focused on the performance of insulators in polluted condition because service experience indicates that a sensible fraction of faults were definitely caused by pollution events, under operating voltage.

Dates	SESSION 1 (9.00am-10.30am)	SESSION 2 (11.00am-12.30pm)	SESSION 3 Hands-on Session (1.30pm-4.00pm)	No. of Hours
27-01- 2015 Tuesday	 Introduction mechanism of flashover under pollution Contamination mechanism To identify the mechanisms responsible for these differences 	are described, in connection with simple	 Hands on Polluted strip between two electrodes. The distance between 	6
28-01- 2015 Wednesda	• The limit of the polluted surface,both as regards to surface water density	 heat flow. surface conductivity 	 Hands on Collections system of DC permanenet voltage 	6
29-01- 2015 Thursday	 The conditions of water mass balance and heat balance within an infinitesimal element of the surface in ar. 	• Zoledziowski is considered which refers to the simple case of a flat		6

Schedule of Certification Course

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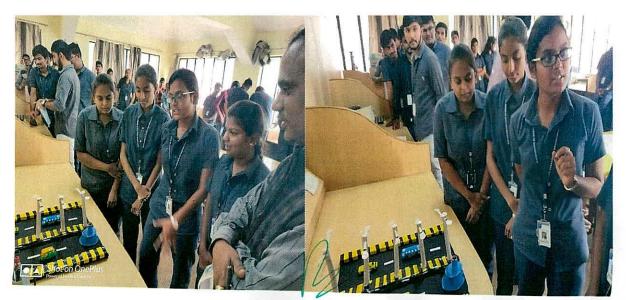
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30-01-2015 Friday	•	As regards the dynamic • characteristics of the pollution layer during • wetting	Dry band formation, up • to the ignition of the first arc define, respectively, the conditions of water mass	Hands on Design of Insulation	6
31-01-2015 Saturday	•	it is Necessary to have • a knowledge of the relation between the concentration of surface • wetness	electrical conductivity as well as the boundary conditions Wet band formation	 Hands on Design of External Insulation and Test 	6
			1	Total	30

Conclusion: Certificate course made them comfortable with practical knowledge. Learning style adopted by students, which eventually is developed into a skill of their forte. Through this course, an ecstatic learning background paved way to a positive learning environment in the class where active participation was seen from every end. Faculty took the onus of interacting with the students personally to navigate them for the academic transition by becoming the guides by their side

It is a practice of the department to take care of any issues pertaining to the academics. In this connection department of EEE has conveyed meeting with Faculty members to discuss about any lapses with academic activities and felt the need to conduct a certificate Course. As part of Certificate course 4 faculty members were identified and assigned duties and responsibilities to carry out the Certificate course.



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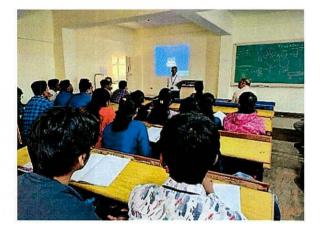


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