### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**To,** Principal KSSEM, Bangalore

Dear Sir,

I would like to bring to your kind attention that the department of EEE has planned to organize two-day workshop on "REVIEW OF LATEST TRENDS IN TRANSFORMER DESIGN, MANUFACTURE AND CAED" for the benefit of EEE faculty and students during 28<sup>th</sup>, 29<sup>th</sup> march 2016. The resource persons are drawn from Sara Consultancy, Bangalore involved in consultancy works related to transformer design and teaching. We request you to permit us to conduct two day workshop at our premises and also approve a budget of approximately amounting to Rs.32,000.

Thanks & Regards β-化- M2 22/3 ) 2 、 1 ら Dr. B.R.Natarajan HOD, EEE

K.S.SCHOOL OF ENGINEERING AND MANAGEMENT TWO DAY WORKSHOP ON REVIEW OF LATEST TRENDS Name:..... Branch:.... Designation:.... Email:.... Address for Communication:..... Affiliation:.... Mode of Payment: Cash / DD Contact No: and the second s Seal and signature of the Head of the Institution Issuing Bank:.... Particulars of DD:.... You can print multiple copies for more than one registration) Date: Place: TRANSFORMER DESIGN, MANUFACTURE & CAD DEPT. OF ELECTRICAL & ELECTRONICS ENGINEERING 23rd March-2016 to the following Email-ID The filled Registration form to be sent on or before REGISTRATION FORM eee\_reg@kssem.edu.in 28 \*\*& 29\*\* March 2016 Signature of the Applicant Date:.... Man .....

> Sri.Y.Ramachandra Naidu CHIE, PATRONS nt, KSSEM, B:

Sri. K.Venkatesh Naidu KUSEW, Banga

Sri. Rukmangada Naidu Treasurer, KSSEM. Bangalore-560062

Dr.S.N.Sridhara CHIEF ADVISOR al KSSEM, Ba

CHIEF CO-ORDINATOR Professor & HOD.E&EE, KSSEM Dr.B.R.Natarajan

### STAFF CO-ORDINATORS

Ph. No - +91 900839596â Email: vidya.raja@kssem.edu.in Mrs. Raja Vidya E&EE,KSSEM Email: gousia.sultana@kssem.edu.in Ph. No - /918095459787 Asst. Pr Mrs.Gousia Sultana

Asst. Pro

ORGANISING COMMITTEE Staff & Students of E&EE,Kssem

Naganand B.N **Hithesh Siddarth** STUDENT CO-ORDINATORS Bharath Naveen +919535639739 +918553277463 +918884210259 +919535353050

# ALL CORRESPONDENCES TO BE ADDRESSED TO

Vishal

+919620249620

Mobile: +91 9535639739 Dr. B.R.Natarajan SOLUTION E

K.S.SCHOOL OF ENGINEERING AND MANAGEMENT Yro, 13 Mallasandra, off Kanakapura Road, Bangalore 62 Ph. 08028425012, Fax: +918026426164

K.S.SCHOCL OF ENGINEERING AND MANAGEMENT

No. 15, Multasandra, off Kanakapura Road,

Bangalore-62

Ph: 08028425012, Fax: +918028425164

### **Engineering and Management** ..... F ELECTRICAL & ELECTRONICS ENGINEERING K.S.School of

DAY GUN LAND ZAME TO 8 000 RENDS

28th & 29th MARCH 2016

### OUT THE INSTITUTION

The K. S.School of Engineering & Management, established in 2010, is the Kammavari Sangham's latest venture in the field of technical education. The institution was established with objective of providing higher technical education & research opportunities to the student community. With a prominent research hub, the college has opportunities for the students to pursue their studies in the field of engineering and management.

KSSEM offers UG courses in Electrical & Electronics Engineering, Computer Science, Electronics & Communication Engineering, Civil Engineering Mechanical Engineering and four PG courses in MBA Engineering analysis and design, VLSI design and embedded systems, computer science.

The campus, nestled in quite location off Kanakapura Main Road, clear to the KSIT campus rovides quality facilities like well-equipped laboratories, sports facilities, library a state-of-theart conference hall for seminars, an airy auditorium for gatherings, etc.

## ABOUT THE DEPARTMENT

commitment of developing and producing department has been established with the firm block with sufficient lecturing/tutorial halls and housed with state of art facilities in a separate decision making capabilities. The department is quality electrical and electronic engineers with AICTE/VTU norms instruments with basis, combined with high technical knowledge and good practical laboratories Electrical & latest equipped with Electronics Engineering leadership skills and technology as modern per

> engineering. support of the placement cell. implemented by the students of the college also invites projects from industries to be with the latest developments. The department workshops, seminars, conferences and invited excel in all aspects in the area of electrical updating its facilities to qualified and well experienced faculties and The The students have been well trained with the technical staffs. The department is continuously lectures to keep the students and staff updated department is strongly The department conducts make the students supported by

### ABOUT THE WORKSHOP

Generators and transformers are two major corner stones in the fabric of any electrical power system. By taking the ratio of generating capacity to transformer capacity as 1:7, gives an idea of magnitude of transformer capacity in India alone. All over the world the total transformer capacity in service is substantially larger. This signifies the importance and vital duty of power transformers.

India has embarked upon an ambitious power development programme with a project demand of 1 lakh MW in the coming decades. This ambitious plan with resulting growth and increasing complexities of power system have put tremendous responsibilities on the transformer industry to supply reliable transformers.

Though, the transformer, despite simplicity in its operating principle is relatively complex pieces of equipment consisting of homogeneous materials with quite different physical properties on which the manufacturing processes which still involve a considerable amount of workmanship also have a highly significant impact. It is a complex structure and subjected to varieties of stresses which is dielectric, thermal, electrodynamic etc.

> In depth understanding of various phenomena occuring inside the transformer is absolutely necessary for transformer engineers design and research. Therefore, nice blend of theory and practice in latest Transformer Technology is highly desirable.

This Two day workshop is intended to enable the faculties and students of electrical engineering to update their knowledge in the field of transformer design manufacture and cad tools.

### RESOURCE PERSONS

Expert lectures will be delivered by consulting professionals from Sara Consultants, Bangalore actively involved in design and consultancy related to transformers.

### For Students : Rs.350/-

For Faculty : Rs. 500/-

The amount can be paid through DD in Favour of "K.S.School of Engineering & Management" Bangalore. The amount can also be paid in cash.

### Bus Route for KSSEM

### Refer to our website for Bus Route & Road Map www.kssem.edu.in

### **REGISTRATION FORM**

### K.S.SCHOOL OF ENGINEERING AND MANAGEMENT DEPT. OF ELECTRICAL & ELECTRONICS ENGINEERING

TWO DAY WORKSHOP ON REVIEW OF LATEST TRENDS IN TRANSFORMER DESIGN, MANUFACTURE & CAD

### 28 \*\* & 29\*\* March 2016

Name:
Designation:
Branch:
Affiliation:
Address for Communication:
Contact No:
Email:
Mode of Payment: Cash / DD
Particulars of DD: Date:
Issuing Bank:
Place:
Date: Signature of the Applicant

(DD Payable in favour of "K.S.School of Engineering & Management"

Bangalore)

Seal and signature of the Head of the Institution (You can print multiple copies for more than one registration) K S Group of Institutions, Bangalore-62

### **K S SCHOOL OF ENGINEERING AND MANAGEMENT**

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### TWO DAY WORKSHOP ON REVIEW OF LATEST TRENDS IN TRANSFORMER DESIGN, MANUFACTURE & CAD

Date: 28<sup>th</sup> & 29<sup>th</sup> March 2016

Venue: New Block Seminar Hall (Civil dept.)

Time:9.00 AM

### AGENDA

1. Invocation	5 minutes
2. Lighting the Lamp	5 minutes
3. Welcome Speech By Dr. S N Sridhara, Principal, KSSEM	5 minutes
4. Address by Mr. Ramaswamy T.V.	5 minutes
5. Address by Secretary/Treasurer	5 minutes
(Sri.K.Venkatesh Naidu/Sri. D. Rukmangada)	
6. Vote of Thanks by Dr. B.R.Natarajan HOD,EEE	5 minutes

### **K S SCHOOL OF ENGINEERING AND MANAGEMENT**

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### <u>Two Day Workshop on Review of Latest Trends in</u> <u>Transformer Design, Manufacture & CAED on 28<sup>th</sup> & 29<sup>th</sup> March 2016</u>

### SESSION DETAILS.

### Day 1 - 28th March 2016, Monday

<u>Sl no</u>	Session Details	Timings
1	Introduction to Transformers - Mr. T V Ramaswamy	10.00AM to 11.00AM
2	Tea Break	11.30AM to 11.45AM
3	Protection of Transformer – Mr. H S Hiriyannaiah	11-45AM to 12-30PM
4	Transformer making - Video presentation with lecture – Mr. T Venkatesh	12-30PM to 1-15PM
5	Lunch Break	1.15PM to 2.00PM
6	Testing of Transformers – Mr. T V Ramaswamy	2-00PM to 2-45PM
7	Tea Break	2.45PM to 3.00PM
8	Motivational Talk – Mr. Sridhar	3.00PM to 3.30PM

### Day 2 - 29th March 2016, Tuesday

<u>Sl no</u>	Session Details	Timings
1	Working details of Transformer problems and CADD (Transformers) – Mr. C S Nagaraja	9.00AM to 11.30AM
2	Tea Break	11.30AM to 11.45AM
3	Transformer problems and CADD (Transformers)	11-45AM to 1-00PM
4	Lunch Break	1.00PM to 2.00PM
5	Transformer problems and CADD (Transformers)	2-00PM to 2-45PM
6	Tea Break	2.45PM to 3.00PM
7	Transformer problems and CADD (Transformers)	3.00PM to 3.30PM

### K.S.SCHOOL OF ENGINEERNIG AND MANAGEMENT

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SI No	Names of Candidates	<b>College Name</b>	Signature
1	Karthik S Koushik	MVJCE 🗸	Aloushet
2	Vilina P V	AMCEC 🖌	Alima .
3	Nirmala V	AMCEC 🧹	Noev.
4	Amulya L	AMCEC 🧹	Anulga
5	V Priyadarshini	AMCEC 🗸	V. Juijan
6	Nagendra Aradhya M	AMCEC	free
7	Archana G S	AMCEC 📈	Archas
8	Shyma P A	AMCEC /	Al.
9	Vinodkumar A V	AMCEC 🧹	Sol.
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11	Varun V Sharma	BNMIT 🥢	1 glast
12	Sadhana G	DSCE 🛩	Sadhana . G.
13	Karthik S G	DSCE 🗸	Bus .
14	Madhushree V	DSCE 🦯	X. Maden
15	Rekha K R	DSCE 🗸	Repla-F-P
16	Kiran D	DSCE 🦟	Lavian
17	Sanjana S R	DSCE 🦯	Jargue
18	Shivanagaraju D R	DBIT 🦯	Ana
19	Chethan K Nayak	DBIT 🗸	
20	D R Rajashekhar	DBIT	D.R. Dajortule
21	Gowtham S	DBIT 🧹	Sub. S
22	Sharath	DBIT 🧹	TE HIMA
23	Karthik N	DBIT 🦯	Kothik.
24	Chandan 🖌 R sindhe	DBIT 🛩	Handan
25	Saicharan	DBIT	Har Charaie

### 2-DAYS WORKSHOP ON 28<sup>TH</sup> AND 29<sup>TH</sup> MARCH 2016

### 4th Sem Students List

	SINO	Name	Mobile No	USN	. /
		ANIL KUMAR	9986121659	1KG15EE400	D
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		Madhusudhan M	9535964103	1KG15EE404	
F		MANJUNATH	7353665554	1KG15EE405	~1
• -		Nikhil N	9590169190	1KG15EE406	×
F		Ranjitha	9880875856	1KG15EE407	
F		Spoorthi L K	9743615669	1KG15EE408	1
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3/16	23	MEGHANA RAJIC G	9738520056	1KG14EE020	1
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	36	SUDHEENDRA H R	9739519621	1KG14EE037	-
	37	SUSHMITHA N	9741381306	1KG14EE039	-
	38	T VAMSI	8553129210	1KG14EE040	-
	39	VINUTHA S	9741783654	1KG14EE043	- U.S. ENR
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	41	YASHASWINI S	9742423435	1KG14EE045	_
	42	YATEESHWAR M	8550097605	1KG14EE046	
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			6th Sen-Students List			
	S	I No	Name	Mobile No	USN	D.D
		1	VARUN CHOWDARY	8904776284	1KG12EE025 -	della
		2	RAHUL CHOWDARY	8123853935	1KG12EE028	Rohule Abtiveling
	1	3	ABHISHEK D	9900527683	1KG13EE001	Abtiguet I
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		9	CHAITHRA N	9741419512	1KG13EE009	for chaita
	1	10	CHARAN V	8105002537	1KG13EE010	For Charan Mount
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	F	23	NIKHIL B	9611293797	1KG13EE025	- ( litertha)
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### 8th Sem Students List

SI No	Name	Mobile No	USN	
×1	AZEEM	9845202244	1KG10EE015	
\$2	SANDEEP	9538120131	1KG10EE027	
3	KARTHIK A	8123040108	1KG11EE006	A. Routh 14 Satrin . B Parshi
4	SATHISH B	9686595142	1KG11EE012	Satin B
5	RAKSHITH P	8867010152	1KG11EE018	Davaharl
6	AKSHAYE MONNAPI	9740145134	1KG12EE001	f anne
7	ATHULURI PAVAN K	8867853039	1KG12EE002	R
8	BHUVANESHWARIS	9008640981	1KG12EE004	BSHI
9	BOYAPATI HARISH	8867853090	1KG12EE005	Daniel
10	DAKSHAYANI S	9739754929	1KG12EE006	Daleshayani.
11	DEEPAK T R	8970708365	1KG12EE007	Deepak. T.R.
12	EESHA	9844253452	1KG12EE008	Eesha
13	G REKHA	9916669757	1KG12EE009	Put
14	GOUTHAMIC	9980654835	1KG12EE011	anelami .
15	H N CHANDRASHEK	8970268349	1KG12EE012	the feed
16	KAVYA D N	8884978239	1KG12EE013	Kasy D.N
17	KAVYA KM	9535892243	1KG12EE014	Kalogod IK .M
18	KIRAN KUMAR R	9902226419	1KG12EE015	Pullek
19	MADDIRALA SREEN.	8867852258	1KG12EE017	ALER
20	МАМАТНА К	8197858184	1KG12EE019	linde
21	NAMRATHA PATIL	9632418831	1KG12EE020	xJampias +
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×24	NIRIKSHITH B R	7760770903	1KG12EE023	25
25	PRATIKSHA BHUSHA	9886475956	1KG12EE026	hadde
26	PUSHPALATHA S	9611082480	1KG12EE027	KAP
× 27	B R RAKSHAK	8971534668	1KG12EE029	
28	SWATHI G N	9535135304	1KG12EE031	fordho
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31	VUNNAM NEEHARIK	8970182591	1KG12EE034	V. Nechemice
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### K S Group of Institutions, Bangalore-62

### KSSCHOOL OF ENGINEERING AND MANAGEMENT

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### Report on

### TWO DAY WORKSHOP ON REVIEW OF LATEST TRENDS IN TRANSFORMER DESIGN, MANUFACTURE & CAD

### Date: 28th & 29th March 2016

No of Participants : 108

SSEM Students: 83

External Students : 25

SI No	Details	Amount
1	Total Amount collected (Registration amount from our student and outside students)	25,350/- /
2	Amount Spent (Towards Food, Banner)	24,939/-
3	Remaining Amount	411/-
4	Amount to be Settled (Towards Certificates and files)	4036/-

We request management of KSSEM to sponsor the remaining amount of Rs.4036/-

Signature of HOD



### K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109 DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### WORKSHOP REPORT ON

### <u>"REVIEW OF LATEST TRENDS IN TRANSFORMER DESIGN, MANUFACTURE AND</u> <u>CAD"</u>

Two days workshop on "**REVIEW OF LATEST TRENDS IN TRANSFORMER DESIGN**, **MANUFACTURE AND CAD**" was held during 28<sup>th</sup> and 29<sup>th</sup> March 2016. In depth knowledge of the various phenomenon occurring inside the transformer is absolutely necessary for transformer design engineers in the field of design and research. Hence, nice blend of theory and practice in latest Transformer Technology was focus on this workshop. The two day workshop was intended to enable the faculties and students of Electrical and Electronics Engineering to update their knowledge in the field of transformer design, manufacture and CAD tools.

An expert lecture was delivered by consulting professionals from Sara Consultants, Bangalore, Both lecture and practical sessions were carried out for effective demonstration of the subject.

The workshop started with an invocation song by our 8<sup>th</sup> semester students invoking the blessings of almighty, followed by a welcome speech by our Principal Dr.S.N Sridhara.

On the first day the chief Guest Mr. T .V .Ramaswamy addressed the participants and gave a deep insight on introduction of transformers which was followed by a two hours lecture on "protection of transformer by Mr. H.S. Hiriyannnaiah and by Mr.T.Venkatesh on "transformer making- a video presentation with lecture". Post lunch Mr. T .V .Ramaswamy gave a detailed overview about "testing of transformers".

Day two began with a hand on session working details of transformer problems using CAD, which was guided by Mr. C S Nagaraja. Post lunch Transformers problems were analyzed with help of CADD. The day ended with valedictory function where certificates were distributed to all participants and Vote of Thanks by Dr. B.R.Natarajan, HOD, EEE, KSSEM.



Inauguration Speech by Our Beloved Secretary Sri. K. Venkatesh Naidu



Group Photo of the Participants with Principal and Faculty Members

held on 28th & 29th March 2016 at K.S. School of Engineering and Management. TRANSFORMER DESIGN, MANUFACTURE & CAD" Conducted by the department of Electrical and Electronics Engineering, This is to certify that Mr./ Mrs. / Prof. / Dr. \_ K.S.S.E.M K.S.SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING TWO DAY WORKSHOP ON "REVIEW OF LATEST TRENDS IN TRANSFORMER DESIGN, MANUFACTURE & CAD" No. 15, Mallasandra, off Kanakapura Road, Bangalore-62 Dr.S.N.Sridhara Certificate Ph: 08028425012, Fax: +918028425164 Principa Kammavari Sangham (R) 1952 28th & 29th MARCH 2016 HBHISHEK.C.U (4th SEM) Participated in Two day workshop on "REVIEW OF LATEST TRENDS IN R.R.Natarajan Professor & HOD of EEE Faculty / Student of