

## 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<sup>th</sup> & 29<sup>th</sup> 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

The filled Registration form to be sent on or before  
23rd March-2016 to the following Email-ID

eee\_reg@kssem.edu.in

Seal and signature of the Head of the Institution

(You can print multiple copies for more than one registration)

CHIEF PATRONS  
Sri.Y.Ramachandra Naidu  
President, KSSEM, Bangalore-560062

Sri. K.Venkatesh Naidu, BE  
Secretary, KSSEM, Bangalore-560062

Sri.D.Rukmangada, BE, MBA  
Treasurer, KSSEM, Bangalore-560062

CHIEF ADVISOR  
Dr.S.N.Sridhara  
Principal, KSSEM, Bangalore-560062

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

### STAFF CO-ORDINATORS

Mrs. Raja Vidya  
Asst. Professor E&EE,KSSEM  
Ph. No - +91 9008395966  
Email: vidya.raja@kssem.edu.in

Mrs.Gousia Sultana  
Asst. Professor E&EE,KSSEM  
Ph. No - +918095459787  
Email: gousia.sultana@kssem.edu.in

### ORGANISING COMMITTEE

Staff & Students of E&EE, Kssem

### STUDENT CO-ORDINATORS

Naveen	+919535353050
Hithesh Siddarth	+918884210259
Bharath	+918553277463
Naganand B.N	+919535639739
Vishal	+919620249620

### ALL CORRESPONDENCES TO BE ADDRESSED TO

**Dr. B.R.Natarajan**

Professor & HOD, E & EE, Chief-Coordinator

Mobile: +91 9535639739

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

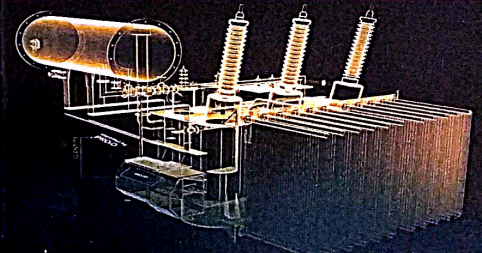
No. 15, Mallasandra, off Kanakapura Road, Bangalore-62  
Ph: 08028425012, Fax: +918028425164

## K.S.School of Engineering and Management

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

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

28th & 29th MARCH 2016



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

K.S.SCHOOL OF ENGINEERING AND MANAGEMENT

No. 15, Mallasandra, off Kanakapura Road, Bangalore-62

Ph: 08028425012, Fax: +918028425164

Web: www.kssem.edu.in

## ABOUT 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, close to the KSIT campus provides quality facilities like well-equipped laboratories, sports facilities, library a state-of-the-art conference hall for seminars, an airy auditorium for gatherings, etc.

## ABOUT THE DEPARTMENT

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

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

## 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 occurring 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.

## Registration Fee

For Students : Rs.350/-

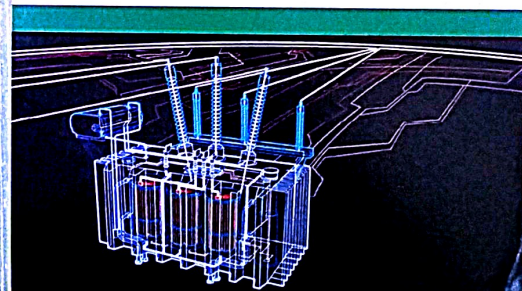
For Faculty : Rs. 500/-

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](http://www.kssem.edu.in)



Kammavari Sangham (R) 1952



## K.S.SCHOOL OF ENGINEERING AND MANAGEMENT

No. 15, Mallasandra, off Kanakapura Road, Bangalore-62  
Ph: 08028425012, Fax: +918028425164

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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

28<sup>th</sup> & 29<sup>th</sup> MARCH 2016

# Certificate

This is to certify that Mr./ Mrs. / Prof. / Dr. ABHISHEK.C.U (4<sup>th</sup> SEM) Faculty / Student of  
K.S.S.E.M Participated in Two day workshop on "REVIEW OF LATEST TRENDS IN  
TRANSFORMER DESIGN, MANUFACTURE & CAD" Conducted by the department of Electrical and Electronics Engineering,  
held on 28<sup>th</sup> & 29<sup>th</sup> March 2016 at K.S. School of Engineering and Management.

  
Dr. S.N. Sridhara  
Principal

  
Dr. B.R. Natarajan  
Professor & HOD of EEE



**K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**WORKSHOP REPORT ON**

**“REVIEW OF LATEST TRENDS IN TRANSFORMER DESIGN, MANUFACTURE AND CAD”**

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. Hiriyannaiah 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**

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 & CAED on 28<sup>th</sup> & 29<sup>th</sup> March 2016**

**SESSION DETAILS.**

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

<b><u>Sl no</u></b>	<b><u>Session Details</u></b>	<b><u>Timings</u></b>
1	Introduction to Transformers - Mr. T V Ramaswamy	10.00AM to 11.00AM
2	<b>Tea Break</b>	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	<b>Lunch Break</b>	1.15PM to 2.00PM
6	Testing of Transformers - Mr. T V Ramaswamy	2-00PM to 2-45PM
7	<b>Tea Break</b>	2.45PM to 3.00PM
8	Motivational Talk - Mr. Sridhar	3.00PM to 3.30PM

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

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

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<br>(Sri.K.Venkatesh Naidu/Sri. D. Rukmangada) | 5 minutes |
| 6. Vote of Thanks by Dr. B.R.Natarajan HOD,EEE                                  | 5 minutes |

K S Group of Institutions, Bangalore-62

**K S SCHOOL 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: 28<sup>th</sup> & 29<sup>th</sup> March 2016**

**No of Participants : 108**

**KSSEM Students: 83**

**External Students : 25**

Sl 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)	3969/-

We request management of KSSEM to sponsor the remaining amount of Rs. 3969/-.

B. R. N  
Signature of HOD  
4/4/2016



# Certificate Received Information

## 8th Sem Students List

Sl No	Name	Mobile No	USN
X1	AZEEM	9845202244	1KG10EE015
X2	SANDEEP	9538120131	1KG10EE027
3	KARTHIK A	8123040108	1KG11EE006
4	SATHISH B	9686595142	1KG11EE012
5	RAKSHITH P	8867010152	1KG11EE018
6	AKSHAYE MONNAP	9740145134	1KG12EE001
7	ATHULURI PAVAN K	8867853039	1KG12EE002
8	BHUVANESHWARI S	9008640981	1KG12EE004
9	BOYAPATI HARISH	8867853090	1KG12EE005
10	DAKSHAYANI S	9739754929	1KG12EE006
11	DEEPAK T R	8970708365	1KG12EE007
12	EESHA	9844253452	1KG12EE008
13	G REKHA	9916669757	1KG12EE009
14	GOUTHAMI C	9980654835	1KG12EE011
15	H N CHANDRASHEK	8970268349	1KG12EE012
16	KAVYA D N	8884978239	1KG12EE013
17	KAVYA KM	9535892243	1KG12EE014
18	KIRAN KUMAR R	9902226419	1KG12EE015
19	MADDIRALA SREEN	8867852258	1KG12EE017
20	MAMATHA K	8197858184	1KG12EE019
21	NAMRATHA PATIL	9632418831	1KG12EE020
22	NANDINI M	8553302766	1KG12EE021
23	NAVEEN V	9535353050	1KG12EE022
X24	NIRIKSHITH B R	7760770903	1KG12EE023
25	PRATIKSHA BHUSHA	9886475956	1KG12EE026
26	PUSHPALATHA S	9611082480	1KG12EE027
X27	B R RAKSHAK	8971534668	1KG12EE029
28	SWATHI G N	9535135304	1KG12EE031
29	T PHANI KUMAR	9901496139	1KG12EE032
30	VAISHNAVI K	8792706498	1KG12EE033
31	VUNNAM NEEHARIK	8970182591	1KG12EE034
32	SANTOSH C	9008060409	1KG12EE035
33	YATHISH KUMAR H	9035490041	1KG12EE402
34	VATHSAV NAIDU B S	7829629620	1KG13EE401

A. Karthik  
 Sathish B  
 Rakshith  
 B. S. R.  
 Laksh  
 Dakshayani S  
 Deepak T.R.  
 Eesha  
 Rekha  
 Gouthami C  
 H N Chandrashek  
 Kavya D.N  
 Kavya K.M  
 Kiran K  
 Maddirala  
 Mamatha K  
 Namrata  
 Nandini M  
 Naveen V  
 Nirikshith B R  
 Pratiksha  
 Puspalatha S  
 Rakshak  
 Swathi G N  
 T Phani  
 Vaishnavi  
 V. Neeharika  
 Santosh C  
 Yathish  
 Vathsav Naidu B S

**K.S.SCHOOL OF ENGINEERING AND MANAGEMENT**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**TWO DAYS WORKSHOP ON REVIEW OF LATEST TRENDS IN**  
**TRANSFORMER DESIGN, MANUFACTURE & CAED ON 28<sup>TH</sup> AND 29<sup>TH</sup> MARCH-2016**

**Student Registration**

Sl. No	Name (In Capitals)	Institution	Email Id	Phone No	Amount		Signature
					Cash	DD	
1	KARTHIK.S.G	DSCE	Karthiksg1995@gmail.com	9741107981	350		
2	KIRAN.D	DSCE	Kirangowda290@gmail.com	9632175001	350		
3	Karthik.S.Koushik	MVTCE	KSK1403@gmail.com	8904226988	350		
4	SANTANA S.R	DSCE	Sanjanasr0212@gmail.com	87928792100	350		
5	MADMUSHREE V	DSCE	madmushreev@gmail.com	9686628408	350		
6	Rekha.K.R	DSCE	rekharatna.reddy@gmail.com	7204210156	350		
7	Sadhana.G	DSCE	Sadhana.govindaraju@gmail.com	7829687465	350		
8	A.V.VINODKUMAR	AMC	vinodAV001@gmail.com	8123375556	350		
9	Nagendra Anandhyan	AMC	nagendra.anandhyan@gmail.com	9739963259	350		
10	Varun V.Sharma	BNMIT(MTech)	varunvsharma92@gmail.com	7259958501	350		
11	Thontadarya S.	BNMIT(MTech)	thontas6@gmail.com	8867166615	350		
12	V.Priyadarshini	AMCEC	Priyahemant100@gmail.com	9738808601	350		
13	AMULYA.L	AMCEC	amulya.mohano@gmail.com	8095852468	350		

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**TWO DAYS WORKSHOP ON REVIEW OF LATEST TRENDS IN**  
**TRANSFORMER DESIGN, MANUFACTURE & CAED ON 28<sup>TH</sup> AND 29<sup>TH</sup> MARCH-2016**

**Student Registration**

Sl. No	Name (In Capitals)	Institution	Email Id	Phone No	Amount		Signature
					Cash	DD	
14	NIRMALA.V.	AMCEC	nirmalavimmu.7@gmail.com	9739321147	350		
15	VILINA.P.V	AMCEC	vilina.vijay@gmail.com	9449997481	350/-		
16	ARCHANA.G.S	AMCEC	archanags02@gmail.com	8123484045	350/-		
17	Shyama P.A	AMCEC	Shyama.PA.95@gmail.com	9482178116	350/-		
18	Karthik.N.	DBIT	Karthikn.12495@yahoo.com	9663749320	350/-		
19	Chethan.K.Nayak	DBIT	Chethan.jk97@gmail.com	9535424097	350/-		
20	Chandana.R.Sindhu	DBIT	chandanth1@gmail.com	9902064464	350/-		
21	Sharath.K.A	DBIT	kal4sharath@gmail.com	9008460844	350/-		
22	Sai choran	DBIT	ijengarsai81094@gmail.com	8892924940	350/-		
23	D.R.Rajashreekar	DBIT	rajshreekar886@yahoo.in	9739995863	350/-		
24	Shivanagaru/D.R	DBIT	shivanagaru7@gmail.com	9900736518	350/-		
25	Gowtham.S	DBIT	Gowtham.ingc@gmail.com	963281299	350/-		

K.S.SCHOOL OF ENGINEERING AND MANAGEMENT

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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

Sl No	Names of Candidates	College Name	Signature
1	Karthik S Koushik	MVJCE ✓	<i>Koushik</i>
2	Vilina P V	AMCEC ✓	<i>Vilina</i>
3	Nirmala V	AMCEC ✓	<i>Nirmala V.</i>
4	Amulya L	AMCEC ✓	<i>Amulya</i>
5	V Priyadarshini	AMCEC ✓	<i>V. Priyadarshini</i>
6	Nagendra Aradhya M	AMCEC ✓	<i>Nagendra</i>
7	Archana G S	AMCEC ✓	<i>Archana</i>
8	Shyma P A	AMCEC ✓	<i>Shyma</i>
9	Vinodkumar A V	AMCEC ✓	<i>Vinodkumar</i>
10	Thontadarya S	BNMIT ✓	<i>Thontadarya</i>
11	Varun V Sharma	BNMIT ✓	<i>Varun V Sharma</i>
12	Sadhana G	DSCE ✓	<i>Sadhana G.</i>
13	Karthik S G	DSCE ✓	<i>Karthik S G</i>
14	Madhushree V	DSCE ✓	<i>Madhushree V</i>
15	Rekha K R	DSCE ✓	<i>Rekha K R</i>
16	Kiran D	DSCE ✓	<i>Kiran D</i>
17	Sanjana S R	DSCE ✓	<i>Sanjana S R</i>
18	Shivanagaraju D R	DBIT ✓	<i>Shivanagaraju D R</i>
19	Chethan K Nayak	DBIT ✓	<i>Chethan K Nayak</i>
20	D R Rajashekhar	DBIT ✓	<i>D. R. Rajashekhar</i>
21	Gowtham S	DBIT ✓	<i>Gowtham S</i>
22	Sharath	DBIT ✓	<i>Sharath</i>
23	Karthik N	DBIT ✓	<i>Karthik N</i>
24	Chandan R sindhe	DBIT ✓	<i>Chandan R sindhe</i>
25	Saicharan	DBIT ✓	<i>Saicharan</i>

300/- Given to Yathisar towards petrol charges.

200/- ————— " ————— Deepak ————— " —————

## Registration Details

### 8th Sem Students List

Sl No	Name	Mobile No	USN
①	AZEEM	9845202244	1KG10EE015
②	SANDEEP	9538120131	1KG10EE027
3	KARTHIK A	8123040108	1KG11EE006
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23	NAVEEN V	9535353050	1KG12EE022
②④	NIRIKSHITH B R	7760770903	1KG12EE023
25	PRATIKSHA BHUSHA	9886475956	1KG12EE026
26	PUSHPALATHA S	9611082480	1KG12EE027
②⑦	B R RAKSHAK	8971534668	1KG12EE029
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30	VAISHNAVI K	8792706498	1KG12EE033
31	VUNNAM NEEHARIK	8970182591	1KG12EE034
32	SANTOSH C	9008060409	1KG12EE035
②⑧	YATHISH KUMAR H	9035490041	1KG12EE402
34	VATHSAV NAIDU B S	7829629620	1KG13EE401

28/3/16

28/3/16

30/3/16 Paid

28/3/16

Karthik A  
Sathish B

Akshay  
R

B P D  
Harish

Dakshayani S  
Deepak T.R

Eesha  
Rekha

Gouthami C  
H N Chandrashek  
to hod si

Kavya D.N  
Kavya K.M.

Kiran K.R  
Maddirala  
Mamatha K.

Namrata  
Paid to HOD  
Nandini

Pratiksha  
Pushpalatha

Swathi  
T. Phani

Vannam  
V. Neeharika

C. Santosh  
Yathish  
P. S. Vath

350/- Given to charan & Hitesh (Towards Petrol)

150/- Given to karthik (towards petrol)

6th Sen-Students List			
SI No	Name	Mobile No	USN
✓ 1	VARUN CHOWDARY	8904776284	1KG12EE025
✓ 2	RAHUL CHOWDARY	8123853935	1KG12EE028
✓ 3	ABHISHEK D	9900527683	1KG13EE001
✓ 4	ANUSHA N	9964611067	1KG13EE002
✓ 5	B PAVAN KUMAR	8951205016	1KG13EE003
✓ 6	BELLAM JYOTHI PRAKAS	8867825242	1KG13EE006
✓ 7	BIMBIKA R PATEL	8123583914	1KG13EE007
✓ 8	BIRENDRA KUMAR BHA	8431176909	1KG13EE008
✓ 9	CHAITHRA N	9741419512	1KG13EE009
✓ 10	CHARAN V	8105002537	1KG13EE010
✓ 11	CHERUKURI KIREETI	8892628091	1KG13EE011
✓ 12	CHETHAN P	9945272438	1KG13EE012
✓ 13	DEELIP KUMAR V	9241712399	1KG13EE013
✓ 14	DISHASHREE T N	8553719467	1KG13EE014
X 15	GURUVARDHAN K	9743972828	1KG13EE016
✓ 16	JYOTHI Y	9066339159	1KG13EE017
✓ 17	KARTHIK V.R	7795429306	1KG13EE018
✓ 18	MANASA S	9686402732	1KG13EE019
✓ 19	MANJUNATH V	8892518380	1KG13EE020
✓ 20	MELLEMPUTI MANISHA	9620397716	1KG13EE021
✓ 21	MULLAGURI K CHALUKY	8892093379	1KG13EE022
✓ 22	MULLAGURU RAJENDRA	8892093383	1KG13EE023
✓ 23	NIKHIL B	9611293797	1KG13EE025
✓ 24	NIKHIL BHASKAR	7259624790	1KG13EE026
✓ 25	P MURALI	9742174556	1KG13EE027
✓ 26	RAJATH KASSHYAP R	8892240402	1KG13EE028
✓ 27	ROOPASHREE P R	9448829125	1KG13EE030
28/3/16 ✓ 28	VINODH V	9036480120	1KG13EE032
✓ 29	VAJJA HITHESH SIDDHA	8884210259	1KG13EE033
✓ 30	VARSHA C K	9945264295	1KG13EE034
✓ 31	ARUN KUMAR N	9945513033	1KG14EE400
28/3/16 ✓ 32	BHARATH KUMAR N M	7760190420	1KG14EE401
✓ 33	CHANDRAKANTHA H	9591685694	1KG14EE402
28/3/16 ✓ 34	KIRAN KUMAR B	9972360088	1KG14EE404
✓ 35	MANOJ D	9663548633	1KG14EE405
✓ 36	PRASAD M	9901310194	1KG14EE408
✓ 37	UMESHA D	9964789606	1KG14EE411

*[Handwritten signatures and notes on the right side of the table, including names like Anusha, Charan, Kireeti, etc.]*

36

29

# 4th Sem Students List

SI No	Name	Mobile No	USN
1	ANIL KUMAR	9986121659	1KG15EE400
2	Arun H K	9591947483	1KG15EE401
3	BINDUSHREE	9901340235	1KG15EE402
4	DODDE GOWDA	9742894998	1KG15EE403
5	Madhusudhan M	9535964103	1KG15EE404
6	MANJUNATH	7353665554	1KG15EE405
7	Nikhil N	9590169190	1KG15EE406
8	Ranjitha	9880875856	1KG15EE407
9	Spoorthi L K	9743615669	1KG15EE408
10	ABHISHEK C U	7406016346	1KG14EE002
11	AKASH M V	9066509238	1KG14EE003
12	ARCHANA V	9880811384	1KG14EE005
13	ARUN B	9845283064	1KG14EE006
14	AYESHA FIRDOSE	9036443869	1KG14EE007
15	B DIVYA	9738057460	1KG14EE008
16	BHARATH H S	8050800740	1KG14EE009
17	BHAVANA R	9620292034	1KG14EE010
18	GAUTHAM B U	8970123500	1KG14EE012
19	HITHU K	9164017250	1KG14EE013
20	JAI KRISHNA R <sup>Paid</sup>	8792050377	1KG14EE015
21	LAKSHMIKANTH R <sup>Paid</sup>	9740931068	1KG14EE016
22	MANASA K R <sup>Paid</sup>	9663657211	1KG14EE017
23	MEGHANA RAJ C G	9738520056	1KG14EE019
24	NAGA SANKALPA G	9964304155	1KG14EE020
25	NAGANAND B N	9901760429	1KG14EE021
26	POOJA N	7022160612	1KG14EE023
27	PRATHIMA K J	9845450096	1KG14EE024
28	PRIYANKA R	9632765702	1KG14EE025
29	RAKSHITA K N	9880765809	1KG14EE027
30	SANJANA KULKARNI	9480184370	1KG14EE029
31	SHRADHA JAISWAL	7411469496	1KG14EE031
32	SHASHANK B PATIL	9481889491	1KG14EE032
33	SHIVANI M RAO <sup>Paid</sup>	9916042109	1KG14EE033
34	SHRIKANT SHANU	8088193801	1KG14EE035
35	SUBRAMANI M <sup>(coupon given)</sup>	9738919774	1KG14EE036
36	SUDHEENDRA H R	9739519621	1KG14EE037
37	SUSHMITHA N	9741381306	1KG14EE039
38	T VAMSI	8553129210	1KG14EE040
39	VINUTHA S	9741783654	1KG14EE043
40	VISHAL B V	9620249620	1KG14EE044
41	YASHASWINI S	9742423435	1KG14EE045
42	YATEESHWAR M	8550097605	1KG14EE046
43	DIVYAGNAN D SAGAR	9066089290	1KG14EE403

28/3/16 →

28/3/16 →

28/3/16 28<sup>th</sup> →

28/3/16 28<sup>th</sup> →

28/3/16 28<sup>th</sup> →

28/3/16 ✓

28/3/16 28<sup>th</sup> →

28/3/16 28<sup>th</sup> →

For Archana  
K R

Bharath

Guha B

Jai Krishna  
Kanchi  
Manasa K.R

B

Sybil  
Shradha

Shiney Mac  
Sankar  
Subramani M

Ushar

16

16

# CERTIFICATE

PRESENTED TO

TRJASWINI B.A.



for participating in workshop on **PCB Design and Fabrication** Organized by the Department of **Electrical and Electronics Engineering** in association with **Indian Tech-Keys** at **K S School of Engineering and Management, Bengaluru** on 6<sup>th</sup> and 7<sup>th</sup> November 2019.

K. Rama Narasimha  
Dr. K Rama Narasimha  
Principal/Director

Ms. Vinutha Srikanth  
Ms. Vinutha Srikanth  
HoD EEE

Mr. Kotresh Mundrugi  
Mr. Kotresh Mundrugi  
Director, INDIAN TECH-KEYS



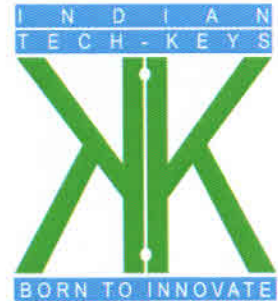


**KSSEM**  
K.S. SCHOOL OF ENGINEERING AND MANAGEMENT

# CERTIFICATE

PRESENTED TO

*Sushma Udupa. K. S.*



for participating in workshop on **PCB Design and Fabrication** Organized by the Department of **Electrical and Electronics Engineering** in association with **Indian Tech-Keys** at **K S School of Engineering and Management**, Bengaluru on 6<sup>th</sup> and 7<sup>th</sup> November 2019.

*K. Rama*

Dr. K Rama Narasimha  
Principal/Director

*Vinutha Srikanth*

Ms. Vinutha Srikanth  
HoD EEE

*Kotresh M*

Mr. Kotresh Mundrugi  
Director, INDIAN TECH-KEYS

**WORKSHOP REPORT ON**  
**PCB Design and Fabrication**

A Two days Workshop on PCB Design and Fabrication was organized by EEE department KSSEM for the 3<sup>rd</sup> and 5<sup>th</sup> semester on 6/11/2019 and 7/11/2019. On the first day Mr. Kotresh Mundaragi, founder and Managing Director of Indian Tech-Keys explained the theory of PCB Designing in detail. He also emphasized on the basics of circuit theory.

On the second day PCB fabrication was done by the students from scratch. All materials were provided by Indian Techies. The PCB designing began from printing the PCB boards to assembling all components on board and soldering. Separate circuits were given to each student. The students fabricated and tested the circuits individually.



**Students Performing PCB Fabrication Process**



**K S SCHOOL OF ENGINEERING AND MANAGEMENT**  
**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**  
**Two days' workshop on PCB Design and Fabrication**

**Attendance**

**DATE: 6/11/2019 to 7/11/2019**

SL.NO	USN	STUDENT NAME	6/11/2019		7/11/2019	
			FN	AF	FN	AN
1	1KG17EE002	ARJUN A ✓	<i>Arjun</i>	<i>Arjun</i>	<i>Arjun</i>	<i>Arjun</i>
2	1KG18EE002	DHANUSH R	<i>Dhanush</i>	<i>Dhanush</i>	<i>Dhanush</i>	<i>Dhanush</i>
3	1KG18EE003	DHEENA P	<i>P.Dheena</i>	<i>P.Dheena</i>	<i>P.Dheena</i>	<i>P.Dheena</i>
4	1KG18EE004	DIVYA M	<i>Divya M</i>	<i>Divya M</i>	<i>Divya M</i>	<i>Divya M</i>
5	1KG18EE005	JAYAWANTH B	<i>Jayanth</i>	<i>Jayanth</i>	<i>Jayanth</i>	<i>Jayanth</i>
6	1KG18EE006	K JAYACHANDRA	<i>Jayachandra</i>	<i>Jayachandra</i>	<i>Jayach</i>	<i>Jayach</i>
7	1KG18EE007	KEERTHANA M	<i>Keethana</i>	<i>Keethana</i>	<i>Keethana</i>	<i>Keethana</i>
8	1KG18EE009	NIKITHA P	<i>Nikitha P</i>	<i>Nikitha P</i>	<i>Nikitha P</i>	<i>Nikitha P</i>
9	1KG18EE010	SAGAR K	<i>Sagar.k</i>	<i>Sagar.k</i>	<i>Sagar.k</i>	<i>Sagar.k</i>
10	1KG18EE011	SAI DARSHAN G	<i>Sai Darshan G</i>	<i>Sai Darshan G</i>	<i>Sai Darshan G</i>	<i>Sai Darshan G</i>
11	1KG18EE012	SUSHMA UDUPA K S	<i>Sushma</i>	<i>Sushma</i>	<i>Sushma</i>	<i>Sushma</i>
12	1KG18EE013	VARSHINI K	<i>Varshini</i>	<i>Varshini</i>	<i>Varshini</i>	<i>Varshini</i>
13	1KG16EE029	TEJASWINI B A	<i>Tejaswini</i>	<i>Tejaswini</i>	<i>Tejaswini</i>	<i>Tejaswini</i>
14	1KG17EE001	ANIL KUMAR S	<i>Anil</i>	<i>Anil</i>	<i>Anil</i>	<i>Anil</i>
15	1KG17EE003	ARPITHA V	<i>Arpitha V</i>	<i>Arpitha V</i>	<i>Arpitha V</i>	<i>Arpitha V</i>
16	1KG17EE004	DIVYASHREE D ✓	<i>Divya</i>	<i>Divya</i>	<i>Divya</i>	<i>Divya</i>
17	1KG17EE005	HARSHITHA M	<i>Harshitha M</i>	<i>Harshitha M</i>	<i>Harshitha M</i>	<i>Harshitha M</i>
18	1KG17EE006	LIKITH R	<i>Likith R</i>	<i>Likith R</i>	<i>Likith R</i>	<i>Likith R</i>
19	1KG17EE007	MUTHURAJU D M	<i>Muthuraj</i>	<i>Muthuraj</i>	<i>Muthuraj</i>	<i>Muthuraj</i>
20	1KG17EE008	PAVAN B	<i>Pavan</i>	<i>Pavan</i>	<i>Pavan</i>	<i>Pavan</i>

*Arjun*  
*Dhanush*  
*P.Dheena*  
*Divya M*  
*Jayanth*  
*Jayach*  
*Keethana*  
*Nikitha P*  
*Sagar.k*  
*Sai Darshan G*  
*Sushma*  
*Varshini*  
*Tejaswini*  
*Anil*  
*Arpitha V*  
*Divya*  
*Harshitha M*  
*Likith R*  
*Muthuraj*

11

4

21	1KG17EE009	POORNIMA S	Poornima S	Poornima S	Poornima S	Poornima S	Poornima S	Poornima S
22	1KG17EE010	PRAVEEN M	Praveen M	Praveen M	Praveen M	Praveen M	Praveen M	Praveen M
23	1KG17EE011	PREETHI Y T	Preethi Y.T	Preethi Y.T	Preethi Y.T	Preethi Y.T	Preethi Y.T	Preethi Y.T
24	1KG17EE013	SHASHIKUMAR G S	Shashikumar	shashikumar	Shashikumar	shashikumar	shashikumar	Shashikumar
25	1KG17EE014	TUNGA S HEGDE	Tunga S Hegde	Tunga S Hegde	Tunga S Hegde	Tunga S Hegde	Tunga S Hegde	Tunga
26	1KG16EE013	HARSHAVARDHAN K	Harshavardhan K	Harshavardhan K	Harshavardhan K	Harshavardhan K	Harshavardhan K	
27	1KG16EE014	KAVYA S	Kavya S	Kavya S	Kavya S	Kavya S	Kavya S	
28	1KG17EE400	AKASH V H	Akash V H	Akash V H	Akash V H	Akash V H	Akash V H	
29	1KG16EE015	KIRAN KUMAR B	Kiran Kumar B	Kiran Kumar B	Kiran Kumar B	Kiran Kumar B	Kiran Kumar B	Kiran Kumar B
30	1KG17EE001	ANIL KUMAR S	Anil Kumar S	Anil Kumar S	Anil Kumar S	Anil Kumar S	Anil Kumar S	
	1KG16EE400	SHRUTHI B.I	Shruthi B.I	Shruthi B.I	Shruthi B.I	Shruthi B.I	Shruthi B.I	Shruthi B.I

  
 Signature of HOD

To,

25<sup>th</sup> October 2019

The Principal  
KSSEM  
Bangalore

From,

Gousia Sultana  
Assistant Professor  
Dept. of E&EE  
KSSEM, Bangalore

Through,

Vinutha Srikanth  
Associate Professor & Head  
Dept. of E&EE  
KSSEM, Bangalore

Respected Sir,

Sub: Regarding Permission for conducting Two Day Workshop for EEE Students.

With reference to the above mentioned, we are aiming to organize a two day workshop for 3<sup>rd</sup> sem and 5<sup>th</sup> sem EEE students on 6<sup>th</sup> & 7<sup>th</sup> November 2019 at KSSEM. The topic of the workshop is 'PCB DESIGN & FABRICATION'. This workshop will be conducted in collaboration with the company INDIAN TECH-KEYS, Bangalore. I kindly request you to grant us permission to conduct the workshop and oblige.

Thanks & Regards,

Gousia Sultana  
Gousia Sultana

Permitted

1 < . Rama

4/11/19

Forwarded  
for

Approval

25/10/19.