



**ELECTRICAL AND  
ELECTRONICS  
ENGINEERING**

# SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE (AUTONOMOUS)

(AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM) (RECOGNISED BY ALL INDIA COUNCIL FOR TECH. EDN, NEW DELHI)

Accredited by NAAC with 'A' Grade, Recognised as Scientific and Industrial Research Organisation

CHINNA AMIRAM (P.O):: BHIMAVARAM :: W.G.Dt., A.P., INDIA :: PIN: 534 204

**Dr. G. P. Saradhi Varma**

B.Tech.(CSE), M.Tech.(CSE), Ph.D.(CSE).

**PRINCIPAL**



Phones: Off : EPABX :08816-223332 Ext.201

Direct :08816-222748

Mobile No.98483 81818

Email: gpsvarma@gmail.com

principal@srkrec.ac.in

principalsrkrec@gmail.com

Web Site : www.srkrec.ac.in

## PROCEEDINGS OF THE PRINCIPAL

Ref No: SRKREC/Committee/BoS/EEE/1

Date: 06-07-2016

**Sub: Appointment of BoS members for Electrical and Electronics Engineering (EEE) department-Reg**

The following members are nominated as Board of Studies members for the Department of Electrical and Electronics Engineering (EEE). This order will come into force with immediate effect until further orders.

S.No	Name	Position in the committee	Associated with
01	Dr. P. Kanta Rao	Chairman	Prof & Head SRKREC
02	Dr. B.R.K. Varma	Faculty of each Specialization	Professor, SRKREC
03	Sri N. Srinivasu		Professor, SRKREC
04	Dr. M. Sai Veerraju		Professor, SRKREC
05	Sri D.J.V. Prasad		Associate Professor, SRKREC
06	Dr. M. Damodar Reddy	Experts from Other Universities	Professor, Department of Electrical Engineering S.V.University, Tirupati.
07	Dr. Ch.V.V.S. Bhaskara Reddy		Professor, Department of Electrical Engineering, Andhra University, Visakhapatnam.
08	Dr. Sachin Jain		Assistant Professor, NIT Warangal
09	Dr. K.Vaisakh	AU Nominee	Prof & HOD of Electrical Engineering, AU, Dean of Academics AU
10	Dr. G.K. Vishwanadha Raju	Expert from Research Organization	Lead Engineer, G.E, Bengaluru
11	Dr. Ch. Chandra Shekhar	Expert from Industry	Project Manager, Hyundai Mobis Ind,Ltd, Hyderabad
12	Dr. P. Prabhakar Rao	Expert from Industry	Engineering Supervisor, Caterpillar India Pvt Ltd
13	Student Representative		

PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204

PRINCIPAL

c.c.to:

1. Principal's table
2. HOD-EEE
3. All the above Members 4 Office



PRINCIPAL  
S.R.K.R. Engineering College  
(Autonomous)  
China Amiram, Bhimavaram-534 204



# SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE (AUTONOMOUS)

(AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM) (RECOGNISED BY ALL INDIA COUNCIL FOR TECH. EDN., NEW DELHI)

Accredited by NAAC with 'A' Grade

Recognised as Scientific and Industrial Research Organisation

CHINNA AMIRAM (P.O):: BHIMAVARAM :: W.G.Dt., A.P., INDIA :: PIN: 534 204

**Dr. G. P. Saradhi Varma**

B.Tech.(CSE), M.Tech.(CSE), Ph.D.(CSE).

**PRINCIPAL**



Phones: Off : EPABX :08816-223332 Ext.201

Direct :08816-222748

Fax:08816-224516

College Fax:08816-229377

Mobile No.98483 81818

Email: principal@srkrec.ac.in

principalsrkrec@gmail.com

gpsvarma@gmail.com

Web Site : www.srkrec.ac.in

SRKREC/BOS-1/EEE/2016-17

Date: 08.07.2016

To  
Dr. M. Damodar Reddy  
Professor  
Department of EEE  
SV University, Tirupati.

Dear Sir,

Sub: S.R.K.R. Engineering College-Board of Studies Meeting-Invitation-Regarding

\*\*\*

We wish to inform you that UGC has granted Autonomous Status to our college from the Academic Year 2016-17.

In this connection, the meeting of the Joint Board of Studies will be held on 17.07.2016 at 11-00 A.M in A.C. Auditorium, I-Block.

The Boards of Studies meetings will be conducted on 17.07.2016 at 2.30 P.M. in respective departments as per the schedule mentioned below:


S.I. No.	BOARD	DATE	TIME
1	Civil Engineering	17-07-2016	2.30 P.M.
2	Computer Science & Engineering	17-07-2016	2.30 P.M.
3	Electronics & Communication Engineering	17-07-2016	2.30 P.M.
4	Electrical & Electronics Engineering	17-07-2016	2.30 P.M.
5	Information Technology	17-07-2016	2.30 P.M.
6	Mechanical Engineering	17-07-2016	2.30 P.M.
7	Combined Board of Studies in Engineering Chemistry/Engineering Mathematics/Engineering Physics / Humanities and Social Sciences	17-07-2016	2.30 P.M.

The T.A / D.A. will be paid to all the external members as per the university guidelines. We request you to make it convenient to attend the meetings.

  
PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.



Yours faithfully,

  
PRINCIPAL

PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.



# SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE (AUTONOMOUS)

(AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM) (RECOGNISED BY ALL INDIA COUNCIL FOR TECH. EDN., NEW DELHI)

Accredited by NAAC with 'A' Grade

Recognised as Scientific and Industrial Research Organisation

CHINNA AMIRAM (P.O):: BHIMAVARAM :: W.G.Dt., A.P., INDIA :: PIN: 534 204

**Dr. G. P. Saradhi Varma**

B.Tech.(CSE), M.Tech.(CSE), Ph.D.(CSE).

**PRINCIPAL**



Phones: Off : EPABX :08816-223332 Ext.201

Direct :08816-222748

Fax:08816-224516

College Fax:08816-229377

Mobile No.98483 81818

Email: principal@srkrec.ac.in

principalsrkrec@gmail.com

gpsvarma@gmail.com

Web Site : www.srkrec.ac.in

SRKREC/BOS-1/EEE/2016-17

Date: 08.07.2016

To  
Dr. Ch.V.V.S. Bhaskar Reddy  
Professor  
Department of EEE  
Andhra University  
Visakhapatnam - 530 003.

Dear Sir,

**Sub:** S.R.K.R. Engineering College-Board of Studies Meeting-Invitation-Regarding

\*\*\*

We wish to inform you that UGC has granted Autonomous Status to our college from the Academic Year 2016-17.

In this connection, the meeting of the Joint Board of Studies will be held on 17.07.2016 at 11-00 A.M in A.C. Auditorium, I-Block.

The Boards of Studies meetings will be conducted on 17.07.2016 at 2.30 P.M. in respective departments as per the schedule mentioned below:

S.I. No.	BOARD	DATE	TIME
1	Civil Engineering	17-07-2016	2.30 P.M.
2	Computer Science & Engineering	17-07-2016	2.30 P.M.
3	Electronics & Communication Engineering	17-07-2016	2.30 P.M.
4	Electrical & Electronics Engineering	17-07-2016	2.30 P.M.
5	Information Technology	17-07-2016	2.30 P.M.
6	Mechanical Engineering	17-07-2016	2.30 P.M.
7	Combined Board of Studies in Engineering Chemistry/Engineering Mathematics/Engineering Physics / Humanities and Social Sciences	17-07-2016	2.30 P.M.

The T.A / D.A. will be paid to all the external members as per the university guidelines. We request you to make it convenient to attend the meetings.

Yours faithfully,

*G.P. Saradhi Varma*

PRINCIPAL

PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.



PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.



# SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE (AUTONOMOUS)

(AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM) (RECOGNISED BY ALL INDIA COUNCIL FOR TECH. EDN., NEW DELHI)

Accredited by NAAC with 'A' Grade

Recognised as Scientific and Industrial Research Organisation  
CHINNA AMIRAM (P.O):: BHIMAVARAM :: W.G.Dt., A.P., INDIA :: PIN: 534 204

**Dr. G. P. Saradhi Varma**

B.Tech.(CSE), M.Tech.(CSE), Ph.D.(CSE).

**PRINCIPAL**



Phones: Off: EPABX :08816-223332 Ext.201

Direct :08816-222748

Fax:08816-224516

College Fax:08816-229377

Mobile No.98483 81818

Email: principal@srkrec.ac.in

principalsrkrec@gmail.com

gpsvarma@gmail.com

Web Site : www.srkrec.ac.in

SRKREC/BOS-1/EEE/2016-17

Date: 08.07.2016

To  
Dr. Sachin Jain  
Assistant Professor  
Department of EEE  
NIT-Warangal

Dear Sir,

Sub: S.R.K.R. Engineering College-Board of Studies Meeting-Invitation-Regarding

\*\*\*

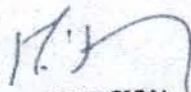
We wish to inform you that UGC has granted Autonomous Status to our college from the Academic Year 2016-17.

In this connection, the meeting of the Joint Board of Studies will be held on 17.07.2016 at 11-00 A.M in A.C. Auditorium, I-Block.

The Boards of Studies meetings will be conducted on 17.07.2016 at 2.30 P.M. in respective departments as per the schedule mentioned below:

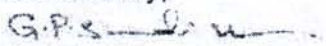
S.I. No.	BOARD	DATE	TIME
1	Civil Engineering	17-07-2016	2.30 P.M.
2	Computer Science & Engineering	17-07-2016	2.30 P.M.
3	Electronics & Communication Engineering	17-07-2016	2.30 P.M.
4	Electrical & Electronics Engineering	17-07-2016	2.30 P.M.
5	Information Technology	17-07-2016	2.30 P.M.
6	Mechanical Engineering	17-07-2016	2.30 P.M.
7	Combined Board of Studies in Engineering Chemistry/Engineering Mathematics/Engineering Physics / Humanities and Social Sciences	17-07-2016	2.30 P.M.

The T.A / D.A. will be paid to all the external members as per the university guidelines. We request you to make it convenient to attend the meetings.

  
PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204



Yours faithfully,



PRINCIPAL

PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.



# SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE (AUTONOMOUS)

(AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM) (RECOGNISED BY ALL INDIA COUNCIL FOR TECH. EDN., NEW DELHI)

Accredited by NAAC with 'A' Grade

Recognised as Scientific and Industrial Research Organisation  
CHINNA AMIRAM (P.O):: BHIMAVARAM :: W.G.Dt., A.P., INDIA :: PIN: 534 204

**Dr. G. P. Saradhi Varma**

B.Tech.(CSE), M.Tech.(CSE), Ph.D.(CSE).

**PRINCIPAL**



Phones: Off: EPABX :08816-223332 Ext.201

Direct :08816-222748

Fax:08816-224516

College Fax:08816-229377

Mobile No.98483 81818

Email: principal@srkrec.ac.in

principalsrkrec@gmail.com

gpsvarma@gmail.com

Web Site : www.srkrec.ac.in

SRKREC/BOS-1/EEE/2016-17

Date: 08.07.2016

To  
Prof. K.Vaisakh  
Department of EEE  
Andhra University  
Visakhapatnam - 530 003.

Dear Sir,

Sub: S.R.K.R. Engineering College-Board of Studies Meeting-Invitation-Regarding

\*\*\*

We wish to inform you that UGC has granted Autonomous Status to our college from the Academic Year 2016-17.


In this connection, the meeting of the Joint Board of Studies will be held on 17.07.2016 at 11-00 A.M in A.C. Auditorium, I-Block.

The Boards of Studies meetings will be conducted on 17.07.2016 at 2.30 P.M. in respective departments as per the schedule mentioned below:

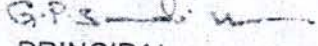
S.I. No.	BOARD	DATE	TIME
1	Civil Engineering	17-07-2016	2.30 P.M.
2	Computer Science & Engineering	17-07-2016	2.30 P.M.
3	Electronics & Communication Engineering	17-07-2016	2.30 P.M.
4	Electrical & Electronics Engineering	17-07-2016	2.30 P.M.
5	Information Technology	17-07-2016	2.30 P.M.
6	Mechanical Engineering	17-07-2016	2.30 P.M.
7	Combined Board of Studies in Engineering Chemistry/Engineering Mathematics/Engineering Physics / Humanities and Social Sciences	17-07-2016	2.30 P.M.

The T.A / D.A. will be paid to all the external members as per the university guidelines. We request you to make it convenient to attend the meetings.

Yours faithfully,

  
PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.



  
PRINCIPAL

PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.



ChinnaAmiram, Bhimavaram-534204 (AP)

SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE (AUTONOMOUS)



# SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE (AUTONOMOUS)

(AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM) (RECOGNISED BY ALL INDIA COUNCIL FOR TECH. EDN., NEW DELHI)

Accredited by NAAC with 'A' Grade

Recognised as Scientific and Industrial Research Organisation

CHINNA AMIRAM (P.O):: BHIMAVARAM :: W.G.Dt., A.P., INDIA :: PIN: 534 204

**Dr. G. P. Saradhi Varma**

B.Tech.(CSE), M.Tech.(CSE), Ph.D.(CSE).

**PRINCIPAL**



Phones: Off : EPABX :08816-223332 Ext.201

Direct :08816-222748

Fax:08816-224516

College Fax:08816-229377

Mobile No.98483 81818

Email: principal@srkrec.ac.in

principalsrkrec@gmail.com

gpsvarma@gmail.com

Web Site : www.srkrec.ac.in

SRKREC/BOS-1/EEE/2016-17

Date: 08.07.2016

To  
Dr. G.K. Viswanadha Raju  
Lead Engineer  
GE, Bengaluru

Dear Sir,

Sub: S.R.K.R. Engineering College-Board of Studies Meeting-Invitation-Regarding

\*\*\*

We wish to inform you that UGC has granted Autonomous Status to our college from the Academic Year 2016-17.

In this connection, the meeting of the Joint Board of Studies will be held on 17.07.2016 at 11-00 A.M in A.C. Auditorium, I-Block.

The Boards of Studies meetings will be conducted on 17.07.2016 at 2.30 P.M. in respective departments as per the schedule mentioned below:

S.I. No.	BOARD	DATE	TIME
1	Civil Engineering	17-07-2016	2.30 P.M.
2	Computer Science & Engineering	17-07-2016	2.30 P.M.
3	Electronics & Communication Engineering	17-07-2016	2.30 P.M.
4	Electrical & Electronics Engineering	17-07-2016	2.30 P.M.
5	Information Technology	17-07-2016	2.30 P.M.
6	Mechanical Engineering	17-07-2016	2.30 P.M.
7	Combined Board of Studies in Engineering Chemistry/Engineering Mathematics/Engineering Physics / Humanities and Social Sciences	17-07-2016	2.30 P.M.

The T.A / D.A. will be paid to all the external members as per the university guidelines. We request you to make it convenient to attend the meetings.

Yours faithfully,

*G.P.S.*

PRINCIPAL

*G.P.S.*  
PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.



PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.

0861: PIS



ChinnaAmiram, Bhimavaram-534204, (AP)

SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE (AUTONOMOUS)



# SAGIRAMA KRISHNAM RAJU ENGINEERING COLLEGE (AUTONOMOUS)

(AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM) (RECOGNISED BY ALL INDIA COUNCIL FOR TECH. EDN., NEW DELHI)

Accredited by NAAC with 'A' Grade

Recognised as Scientific and Industrial Research Organisation

CHINNA AMIRAM (P.O):: BHIMAVARAM :: W.G.Dt., A.P., INDIA :: PIN: 534 204

**Dr. G. P. Saradhi Varma**

B.Tech.(CSE), M.Tech.(CSE), Ph.D.(CSE).

**PRINCIPAL**



Phones: Off : EPABX :08816-223332 Ext.201

Direct :08816-222748

Fax:08816-224516

College Fax:08816-229377

Mobile No.98483 81818

Email: principal@srkrec.ac.in

principalsrkrec@gmail.com

gpsvarma@gmail.com

Web Site : www.srkrec.ac.in

SRKREC/BOS-1/EEE/2016-17

Date: 08.07.2016

To  
Sri Ch. Chandra Sekhar  
Project Manager  
Hyundai Mobis Ind. Ltd.  
Hyderabad

Dear Sir,

Sub: S.R.K.R. Engineering College-Board of Studies Meeting-Invitation-Regarding

\*\*\*

We wish to inform you that UGC has granted Autonomous Status to our college from the Academic Year 2016-17.

In this connection, the meeting of the Joint Board of Studies will be held on 17.07.2016 at 11-00 A.M in A.C. Auditorium, I-Block.

The Boards of Studies meetings will be conducted on 17.07.2016 at 2.30 P.M. in respective departments as per the schedule mentioned below:

S.I. No.	BOARD	DATE	TIME
1	Civil Engineering	17-07-2016	2.30 P.M.
2	Computer Science & Engineering	17-07-2016	2.30 P.M.
3	Electronics & Communication Engineering	17-07-2016	2.30 P.M.
4	Electrical & Electronics Engineering	17-07-2016	2.30 P.M.
5	Information Technology	17-07-2016	2.30 P.M.
6	Mechanical Engineering	17-07-2016	2.30 P.M.
7	Combined Board of Studies in Engineering Chemistry/Engineering Mathematics/Engineering Physics / Humanities and Social Sciences	17-07-2016	2.30 P.M.

The T.A / D.A. will be paid to all the external members as per the university guidelines. We request you to make it convenient to attend the meetings.

Yours faithfully,

*G.P.S. Saradhi Varma*  
PRINCIPAL

*G.P.S. Saradhi Varma*  
PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.



PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.



# SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE (AUTONOMOUS)

(AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM) (RECOGNISED BY ALL INDIA COUNCIL FOR TECH. EDN., NEW DELHI)

Accredited by NAAC with 'A' Grade

Recognised as Scientific and Industrial Research Organisation

CHINNA AMIRAM (P.O):: BHIMAVARAM :: W.G.Dt., A.P., INDIA :: PIN: 534 204

**Dr. G. P. Saradhi Varma**

B.Tech.(CSE), M.Tech.(CSE), Ph.D.(CSE).

**PRINCIPAL**



Phones: Off : EPABX :08816-223332 Ext.201

Direct :08816-222748

Fax:08816-224516

College Fax:08816-229377

Mobile No.98483 81818

Email: principal@srkrec.ac.in

principalsrkrec@gmail.com

gpsvarma@gmail.com

Web Site : www.srkrec.ac.in

SRKREC/BOS-1/EEE/2016-17

Date: 08.07.2016

To  
Sri P. Prabhakar Rao  
Engineering Supervisor 2  
Caterpillar India Pvt Ltd.  
Bangalore

Dear Sir,

Sub: S.R.K.R. Engineering College-Board of Studies Meeting-Invitation-Regarding

\*\*\*


We wish to inform you that UGC has granted Autonomous Status to our college from the Academic Year 2016-17.

In this connection, the meeting of the Joint Board of Studies will be held on 17.07.2016 at 11-00 A.M in A.C. Auditorium, I-Block.

The Boards of Studies meetings will be conducted on 17.07.2016 at 2.30 P.M. in respective departments as per the schedule mentioned below:

S.I. No.	BOARD	DATE	TIME
1	Civil Engineering	17-07-2016	2.30 P.M.
2	Computer Science & Engineering	17-07-2016	2.30 P.M.
3	Electronics & Communication Engineering	17-07-2016	2.30 P.M.
4	Electrical & Electronics Engineering	17-07-2016	2.30 P.M.
5	Information Technology	17-07-2016	2.30 P.M.
6	Mechanical Engineering	17-07-2016	2.30 P.M.
7	Combined Board of Studies in Engineering Chemistry/Engineering Mathematics/Engineering Physics / Humanities and Social Sciences	17-07-2016	2.30 P.M.

The T.A / D.A. will be paid to all the external members as per the university guidelines. We request you to make it convenient to attend the meetings.

  
PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.



Yours faithfully,

  
PRINCIPAL

PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.





**SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE(A)  
CHINNA AMIRAM :: BHIMAVARAM 534204  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

Dt:07-07-2016

**CIRCULAR**

This is to inform you that the Department of Electrical And Electronics Engineering will hold a meeting on 17-07-16 at 2.00P.M in Room No U-303 (EEE Seminar hall) of Electrical And Electronics Engineering Department. In this connection, all the members of Board of studies are requested to attend the same.

**Agenda:**

- 1) To discuss about Scheme for 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year.
- 2) Any other items for discussion with permission of the chair.



  
Head of the Department

Head of EEE Department  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.

C.C to

1.The members of Board of Studies

2.Office file

*H. Jagapathi Reddy*

**PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.**



Minutes of the meeting

First Board of Studies meeting held on 17-07-16 at EEE department

Category	Name	Signature
1. Chairman	Dr. P. Kanta Rao	
2. University Nominee	Dr. K. Vaisakh	17/7/16
3. Expert from other university	Dr. M. Damodar Reddy	
4. Expert from other university	Dr. Ch. V. V. S. Bhaskar Reddy	17/7/2016
5. Expert from other University	Dr. Sachin Jain	
6. Industry Expert	Sri Ch. Chandra Sekhar	Ch. Chandra Sekhar NOT PRESENT
7. Industry Expert	Sri P. Prabhakar Rao	P. Prabhakar Rao NOT PRESENT
8. Research organization	Dr. G. K. Viswanadha Raju	G. K. Viswanadha Raju NOT PRESENT
9. Faculty of each specialization	Sri B. R. K. Varma	B. R. K. Varma
10. Faculty of each specialization	Sri N. Srinivasu	N. Srinivasu
11. Faculty of each specialization	Dr. M. Sai Veerajulu	M. Sai Veerajulu
12. Faculty of each specialization	Sri D. J. V. Prasad	Not present
13. Student Representative	Gr. Rajesh	G. Rajesh
14. Student Representative	I. Balasai Ram	I. B. S. Paradi Ram

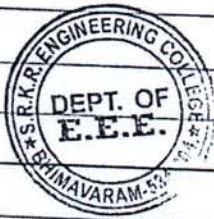
Minutes of the Meeting.

- 1) Resolved to change subject name 'principle of magnetic & Electric circuits' to 'Circuit theory'.
- 2) Resolved to include A.C circuits in "Circuit Theory"
- 3) Resolved to include continue M.Tech curriculum as per Andhra university
- 4) Resolved to have 5 units in all the subjects.
- 5) proposed to include the following units in "Network Analysis & Synthesis" in 2<sup>nd</sup> year 1<sup>st</sup> semester
  - 1) Transients
  - 2) Laplace Transient techniques
  - 3) Network Function
  - 4) Two port Network parameters
  - 5) Network synthesis

H. Nagaraju  
PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.



- 6) Proposed to conduct either Industrial oriented technology/ Communication skills uniformly for all the students in the same semesters
- 7) Proposed to have separate subjects for LIC & PDC.
- 8) Proposed a tentative scheme for 2<sup>nd</sup>, 3<sup>rd</sup>, and final years
- 9) It is proposed that elective subjects should be useful in higher studies



*[Signature]*  
Chairman B.O.S.

Head of EEE Department  
S.R.K.R. Engg. College  
BHIMAVARAM - 534 204

*H. Nagappa Reddy*

PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM - 534 204.



## RESOLUTIONS FOR THE MEETING DATED 17-07-2016

1) Resolved to change subject name Principles of magnetics and electric circuits to Circuit Theory in 1/4 2<sup>nd</sup> semester.

**B.V.R.TECH**  
(With effect from 2016-2017 Admitted Batch onwards)  
Under Choice Based Credit System

**GROUP - B (ECE, EEE & Mechanical) Branches**

**II-SEMESTER**

Code No.	Course	Credits	Lecture Hrs	Tutorial Hrs	Lab Hrs	Total Contact Hrs/Week	Sessional Marks	Exam Marks	Total Marks
B16 ENG 1201	Mathematics-III *	4	3	1	--	4	30	70	100
B16 ENG 1203	Chemistry	4	3	1	--	4	30	70	100
B16 ENG 1205	Computer Programming Using C & Numerical Methods	4	3	1	--	4	30	70	100
B16 ENG 1207	History of Science and Technology	2	2	--	--	2	30	70	100
DS	Department Subject *	4	3	1	--	4	30	70	100
B16 ENG 1210	Chemistry Lab	2	--	--	3	3	50	50	100
B16 ENG 1212	Computer programming Using C & Numerical Methods Lab	2	--	--	3	3	50	50	100
B16 ENG 1213	English Language Lab *	2	--	--	3	3	50	50	100
B16 ENG 1214	Sports (Audit)	--	--	--	--	3	--	--	--
<b>Total</b>		<b>24</b>	<b>14</b>	<b>4</b>	<b>9</b>	<b>30</b>	<b>300</b>	<b>500</b>	<b>800</b>

**Note: Add-On Course: Technology Course-1 \***

\* Common to both Group-A and Group-B

\* ECE: B16 ECE1208: Electronic Devices and Circuits

EEE: B16 EE1208: Circuit Theory

ME: B16 ME1208: Metallurgy and Materials Engineering

2) Resolved to include AC Circuits in "Circuit Theory" in 1/4 2<sup>nd</sup> semester.

### SRKR ENGINEERING COLLEGE

CHINA AMIRAM, BHIMAVARAM, WEST GODAVARI - 534204.

**SYLLABUS: CIRCUIT THEORY (For EEE) Code: B16 EE 1208**

#### Fundamentals of Electric Circuits

Concepts of Electric circuit: EMF, Current, Potential difference, Power and Energy; Concepts of Network: Active and Passive elements, classification of Linear, Non-linear, Unilateral, Bilateral Lumped and Distributed elements; Reference directions for current and voltage; Voltage and Current sources; Voltage-Current Relations of R, L, C elements; Voltage and Current division; Series and Parallel combinations of Resistance, Inductance and Capacitance

#### D.C Circuits

Kirchhoff's Laws; Nodal Analysis, Mesh Analysis, Source Transformation, Linearity and Superposition Theorem, Thevenin's And Norton's Theorems, Reciprocity theorem, Maximum Power Transfer Theorem, Star-Delta Transformation.

#### AC Circuits

The Sinusoidal Forcing Function, Phasor Concept, Average and Effective Values of Voltage and Current, Instantaneous and Average Power, Complex Power, Steady State Analysis using Mesh and Nodal Analysis, Resonance.

#### Three Phase Circuits

Advantages of Three Phase Circuits, Balanced and Unbalanced systems, Relation between Line and Phase Quantities in Star and delta connected circuits, Analysis of Balanced & Unbalanced Three Phase Circuits, Measurement of Power in Three Phase Power Circuits.

#### Magnetic Circuits

Magneto motive force(MMF), Reluctance, Magnetic flux; Analysis of magnetic circuit. Analogy between Electric & Magnetic circuits, Series Magnetic circuits, Magnetic leakage, B-H curve, Faraday's Laws of Electromagnetic Induction, Induced EMF, Dynamically Induced EMF, Statically Induced EMF, Self-Inductance, Mutual Inductance (simple numerical problems)

#### TEXT BOOKS:

1. Engineering Circuit Analysis By W.H. Hayt Jr & J.E. Kemmerly, 5<sup>th</sup> Ed., Mc.Graw Hill.

#### REFERENCE BOOKS:

1. Basic Electrical Engineering By V.K Mehta & Rishi Mehta- S.Chand Pub.  
2. Sudhakar & Syam Mohan "Network Analysis", McGraw Hill

3) Resolved to continue M.Tech curriculum as per Andhra university

H. Nagapalli. Reddy

**PRINCIPAL**  
**S.R.K.R. Engg. College**  
**BHIMAVARAM-534 204.**



Code No	Name of the Subject	Credits	Lectures Hrs	Tutorial Hrs	Lab Hrs	Content Hrs	Internal Marks	External Marks	Total Marks
M17 PS 1101	Advanced Power system Operation and control	3	3	1	-	4	30	70	100
M17 PS 1102	POWER TRANSMISSION	3	3	1	-	4	30	70	100
M17 PS 1103	Reactive Power Control System & Management	3	3	1	-	4	30	70	100
M17 PS 1104	Analysis of Power Electronics Converters	3	3	1	-	4	30	70	100
EEE-1	Elective-I	3	3	1	-	4	30	70	100
EEE-2	Elective-II	3	3	1	-	4	30	70	100
M17 PS 1113	Automation Laboratory	2	-	-	1	3	50	50	100
<b>Total</b>		<b>20</b>	<b>18</b>	<b>6</b>	<b>3</b>	<b>27</b>	<b>230</b>	<b>470</b>	<b>700</b>

Course Code	Course
EEE-1	M17 PS 1105 Microcontroller Based Systems
	M17 PS 1106 Power System Security
	M17 PS 1107 Transmission Line Protection
	M17 PS 1108 Protection and Measurement of High Voltage
	M17 PS 1109 Renewable Energy Systems
EEE-2	M17 PS 1110 Advanced Digital Signal Processing
	M17 PS 1111 Power System Stabilizer
	M17 PS 1112 Electrical Distribution Systems

**SCHEME OF INSTRUCTION & EXAMINATION**  
(Regulation R17)

**M.TECH (POWER SYSTEM AND AUTOMATION)**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

(With effect from 2017-2018 Admitted Batch onwards)  
Under Choice Based Credit System

**III-SEMESTER**

Course Code	Course	Scheme of Examination	C	Int	Ext	Total
M17 PS 2101	Computerized Viva-Voce	Viva-Voce	2	50	-	50
M17 PS 2102	Seminar-I	Oral Presentation	2	50	-	50
M17 PS 2103	Project Work Part-I	Review	18	50	-	50
<b>Total</b>			<b>20</b>	<b>150</b>	<b>-</b>	<b>150</b>

**SCHEME OF INSTRUCTION & EXAMINATION**  
(Regulation R17)

**M.TECH (POWER SYSTEM AND AUTOMATION)**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

(With effect from 2017-2018 Admitted Batch onwards)  
Under Choice Based Credit System

Code No	Name of the Subject	Credits	Lectures Hrs	Tutorial Hrs	Lab Hrs	Content Hrs	Internal Marks	External Marks	Total Marks
M17 PS 1201	Power system Protection & Stability	3	3	1	-	4	30	70	100
M17 PS 1202	Real Time Control of Power Systems	3	3	1	-	4	30	70	100
M17 PS 1203	Advanced Distribution	3	3	1	-	4	30	70	100
M17 PS 1204	Electrical Transmission Systems	3	3	1	-	4	30	70	100
EEE-3	Elective-I	3	3	1	-	4	30	70	100
EEE-4	Elective-II	3	3	1	-	4	30	70	100
M17 PS 1213	Power system Laboratory	2	-	-	1	3	50	50	100
<b>Total</b>		<b>20</b>	<b>18</b>	<b>6</b>	<b>3</b>	<b>27</b>	<b>230</b>	<b>470</b>	<b>700</b>

Course Code	Course
EEE-3	M17 PS 1205 Smart Grid Technology
	M17 PS 1206 Power Quality
	M17 PS 1207 Substation Design, System Protection
	M17 PS 1208 EHV AC Transmission
EEE-4	M17 PS 1209 Power System Reliability
	M17 PS 1210 High Voltage Control Systems
	M17 PS 1211 Power System Transients
	M17 PS 1212 Voltage Stability

**SCHEME OF INSTRUCTION & EXAMINATION**  
(Regulation R17)

**M.TECH (POWER SYSTEM AND AUTOMATION)**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

(With effect from 2017-2018 Admitted Batch onwards)  
Under Choice Based Credit System

**IV-SEMESTER**

Course Code	Course	Scheme of Examination	C	Int	Ext	Total
M17 PS 2201	Seminar-II	Oral presentation	2	50	-	50
M17 PS 2202	Project Work Part-II	Viva-voce	18	100	100	100
<b>Total</b>			<b>20</b>	<b>50</b>	<b>100</b>	<b>150</b>

4) Resolved to have 5 units in all Subjects

**SYLLABUS: ENGLISH - I (Common to all Branches) (Code: B17 BS 1101)**

**UNIT-I**  
People and Places: Word search - Ask yourself-Self-assessment-I -Self-assessment-II - Sentence and its types- Describing people, places and events-Writing sentences-Self-awareness-Self-motivation, Dialogue writing.

**UNIT-II**  
Personality and Lifestyle: Word quiz - Verbs-Adverbs-Negotiations-Proving yourself-Meeting Carl Jung- Describing yourself- Living in the 21st century- Using your dictionary- Communication-Adaptability.

**UNIT-III**  
Media and Environment: - A list of 100 basic words - Nouns- Pronouns- Adjectives-News report- Magazine article- User's Manual for new iPod- A documentary on the big cat- Why we need to save our tigers: A dialogue- Global warming- Paragraph Writing-Arguing a case-Motivation- Problem solving.

**UNIT-IV**  
Entertainment and Employment:- One word substitutes- Parts of speech- Gerunds and infinitives- An excerpt from a short story an excerpt from a biography- A consultant interviewing employees- Your first interview- Reality TV- Writing an essay-Correcting sentences- Integrity Sense of humor.

**UNIT-V**  
Work and Business:- A list of 100 difficult words- Articles, Quantifiers- Punctuation - Open letter to the Prime Minister Business dilemmas: An email exchange-A review of IPL: The Inside Story. Mark Zuckerberg: World's Youngest Billionaire- A conversation about a business idea- Pair work: Setting up a new business- Recession- Formal letters-Emails- Reports- Professionalism-Ethics. Fill in the blanks.

**Text Book:**  
1. *Life through Language: A Holistic Approach to Language Learning* Board of Editors, Pearson Publishers, India, 2013.

**Reference Books:**  
1. Basic Vocabulary, Edgar Thorpe, Showick Thorpe, Pearson P. 2008.  
2. Quick Solutions to Common Errors in English, Angela Bunt, MacMillan P. 2008.  
3. Know Your English (Volume 1&2), by Dr. S. Upendra, Universities Press, India 2012  
4. Business Communication Strategies, Mathukutty Monipally, Tata Mc Grawill P. 2009.

*H. Jagapathi*  
**PRINCIPAL**  
**S.R.K.R. Engg. College**  
**BHIMAVARAM-524 204.**



- 5) Proposed to include the following units in Network Analysis & Synthesis in 2<sup>nd</sup> year 1<sup>st</sup> semester 1) Transients 2) Laplace Transform Techniques 3) Network Functions 4) Two port Network Parameters 5) Network Synthesis

## SRKR ENGINEERING COLLEGE

CHINA AMIRAM, BHIMAVARAM, WEST GODAVARI - 534204.

### SYLLABUS: NETWORK ANALYSIS & SYNTHESIS (Code: B16 EE 2101)

**DC Transients:**

Inductor, capacitor, source free RL, RC & RLC response, evaluation of initial conditions, application of unit-step function to RL, RC & RLC circuits, concepts of natural, forced and complete response.

**Laplace Transform Techniques:**

Transforms of typical signals, response of simple circuits to unit step, ramp and impulse functions, initial and final value theorems, convolution integral, time shift and periodic functions, transfer function.

**Coupled Circuits & Two-port Network parameters:**

Magnetically coupled circuits, dot convention, reciprocity theorems, concept of duality, Two-port Network parameters - Z, Y, H & T parameters.

**Network Functions:**

Generalized network functions (driving point and transfer), Network functions for ladder & T-networks, concept of poles and zeros, determination of free and forced response from poles and zeros.

**Network Synthesis:**

Synthesis problem formation, Hurwitz polynomials, properties and test for positive real functions, elementary synthesis operations, Foster and Cauer Forms of LC, RC and RL networks.

**Text Books**

1. Engineering circuit analysis by W.H. Hayt Jr & J.E. Kemmerly, McGraw Hill Education; Eighth edition (4 August 2013).

**Reference Books:**

1. Network analysis by M.E. Van Valkenberg, 3rd Edition, 2006, Prentice Hall India Learning Private Limited.
2. Modern network synthesis by M.E. Van Valkenberg, John Wiley & Sons, 1966.

- 6) Proposed to conduct either industrial oriented technology/communication skills uniformly for all the students in 2<sup>nd</sup> year 1<sup>st</sup> semester

## SRKR ENGINEERING COLLEGE

CHINA AMIRAM, BHIMAVARAM, WEST GODAVARI - 534204.

### SYLLABUS: INDUSTRY ORIENTED TRAINING (Common to ECE & EEE) (Code: B16 ENG 2106)

**BASIC CONCEPTS**

System Life Cycle, Algorithm Specification, Recursive Algorithms, Data Abstraction, Performance Analysis, Space Complexity, Time Complexity, Asymptotic Notation, Comparing Time Complexities

**IMPLEMENTATION (Using C)**

- Arrays
- Stacks
- Queues
- Linked List
- Double linked lists
- Trees
- Graphs

Applications of linear and nonlinear data structures and solving simple to complex problems in perspective of industry requirements.

**Basic Concepts of OOP**

Procedural Paradigms, Object Oriented Paradigm, OOP Principles and Terminology, OOP benefits, Procedure and Object Oriented programming languages, advantages and disadvantages, creating class, defining objects in C++ and JAVA.

Applications using OOP in solving simple to complex problems in perspective of industry requirements.

- 7) Proposed to have separate subjects for LIC & PDC in 3<sup>rd</sup> year 1<sup>st</sup> semester

	Course Code	Course
#PE-I	B19 EE 3106	Analog Electronics
	B19 EE 3107	Linear and Digital IC Applications
	B19 EE 3108	Pulse and Digital Circuits
	B19 EE 3109	MOOCs-I

- 8) Proposed a tentative scheme for 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> years

- 9) It is proposed that elective subjects should be useful for higher studies

*H. Jagapathi Reddy*  
**PRINCIPAL**  
**S.R.K.R. Engg. College**  
**BHIMAVARAM-534 204.**



*P. S. Reddy*  
**Head of EEE Department**  
**S.R.K.R. Engg. College**  
**BHIMAVARAM-534 204.**