



# SAPTHAGIRI COLLEGE OF ENGINEERING

(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](http://www.sapthagiri.edu.in)      Fax: 080-28372797

## Student Centric Methods

# ACADEMIC YEAR 2014-15

**SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-560057**

Affiliated to VTU, Belagavi &amp; Approved by AICTE, New Delhi

**KSCST APPROVED PROJECT LIST- 2014-15**

SL No	Years	Department	Best Projects		Ref No
19	2014-15	BIOTECHNOLOGY	THE POTENTIAL UTILIZATION OF PROCESSED ARECA CATECHU WATER- AN AGRO WASTE FOR BIOETHANOL PRODUCTION BY FERMENTATION PROCESS	<a href="http://www.kscst.iisc.ernet.in/spp/38series/SPP38S Biofuel Compendium.pdf">http://www.kscst.iisc.ernet.in/spp/38series/SPP38S Biofuel Compendium.pdf</a>	38S_B_BE_038
20		BT	FUNGAL LIGNIN PEROXIDASE FOR BIODEGRADATION OF PULP PAPER AND TEXTILE EFFLUENT	<a href="http://www.kscst.iisc.ernet.in/spp/38series/38 Series SPP A pproved Pro posals.html">http://www.kscst.iisc.ernet.in/spp/38series/38 Series SPP A pproved Pro posals.html</a>	38S1628
21		CS	ESTIMATION AND DE-IDENTIFICATION OF GENDER SIGNATURE FROM FINGERPRINTS	<a href="http://www.kscst.iisc.ernet.in/spp/38series/38 Series SPP A pproved Pro posals.html">http://www.kscst.iisc.ernet.in/spp/38series/38 Series SPP A pproved Pro posals.html</a>	38S0913
22		ECE	MULTIPURPOSE MEASURING DEVICE USING BLUETOOTH ON ANDROID	<a href="http://www.kscst.iisc.ernet.in/spp/38series/38 Series SPP A pproved Pro posals.html">http://www.kscst.iisc.ernet.in/spp/38series/38 Series SPP A pproved Pro posals.html</a>	38S1329

*(Signature)*  
Principal  
Sapthagiri College of Engineering  
Chikkasandra, Hesarghatta Road,  
Bangalore-560 057

# CONGRATULATIONS



NAMRATA J.V

1<sup>st</sup> prize

Essay writing organized by Karnataka state  
council for science & technology at Indian  
institute of Science(2014)



PRUTHVI A & MONISHA J

3<sup>rd</sup> prize

Model making organized by Karnataka state  
council for science & technology at Indian  
institute of Science(2014)

1<sup>st</sup> prize

Poster presentation at Manipal Institute of  
technology (2014).

ABHISHEK B & MOHD. ATHIQ





*Science, Technology & Productization  
- A Means for growth*

*5-6, February 2015*

*Participation Certificate*

*This is to certify that*

*Dr./Mr./Ms. ....VAISHALY A. G.....*

*has actively participated and presented a Poster in*

*7<sup>th</sup> Annual KSTA National Conference on*

*"Science, Technology and Productization - A means for growth"*

*jointly organized by*

*Karnataka Science & Technology Academy (KSTA) &*

*The Oxford College of Science*

*held during 5<sup>th</sup> and 6<sup>th</sup> February 2015*

*at The Oxford College of Science, HSR Layout, Bangalore.*

**Dr. H. Honne Gowda**  
Special Director (Technical), Dept. of IT, BT, and S & T,  
CEO & Member Secretary, KSTA

**Dr. Kavyashree. R**  
Principal,  
The Oxford College of Science

**Dr. Bharathi. S**  
Organizing Secretary,  
7<sup>th</sup> Annual KSTA National Conference

**THE**  
*Oxford*  
**COLLEGE OF SCIENCE**

**THE OXFORD COLLEGE OF SCIENCE**  
(Accredited 'A' grade by NAAC, Accredited by IAO)  
19<sup>th</sup> B Main, Sector IV, HSR layout, Bangalore - 560 102  
Ph: 91-80-30266301/302/ 309/354/400, Fax: 91-80-30266349  
Website: www.theoxford.edu

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

**Sapthagiri College of Engineering**  
**Department of Information Science & Engineering**  
**VIII Sem students Project List 2014-15**

project work

Bat ch No.	Project Title	Guide	USN	Student Name
B1	Smart phone Application for off-line use in case of disaster.	Prof. Anitha K.	1SG11IS002	Abhilash K.V.
			1SG11IS024	Mahesh A.S.
			1SG12IS406	Panchaksharaiah H S
			1SG12IS407	Parayya M.V.
B2	Scalable Data Sharing in Cloud Storage Based on Key Aggregate Cryptosystem	Prof. Ramya B.N.	1SG11IS004	Akancha Priya
			1SG11IS022	KhushiKumari
			1SG11IS030	Nilesh Kumar
B3	Improved Security Mechanism of Image in Video by Using Enhanced Steganography	Prof. Chaithra	1SG11IS005	Anusha H.B.
			1SG11IS007	Arpitha R.
			1SG11IS014	Divyashree A.G.
			1SG11IS053	Tejaswini V
B4	Network Encryption using LTP Protocol for DTN in Cislunar system	Prof. Pracruthi S.T.	1SG11IS006	ArpithaSrivastva
			1SG11IS013	Dishala B.S.
			1SG11IS038	RenuYadav
			1SG11IS043	Shakti Singh
B5	Cluster Based Certificate Revocation with Vindication Capability for Mobile Ad-hoc networks.	Prof. PreranaChaithra	1SG11IS008	AvinashShukla
			1SG11IS044	Sharan
			1SG11IS056	VinayHegde
			1SG11IS057	Vinay Kumar S.R.

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Chikasaandra, Hesaraghatta Road,  
Bangalore-560 057

16-12



B6	Adaptive Routing in Communication Networks using Back Pressure	Prof. Ramya B.N.	ISG11IS010	Chethana P.R.
			ISG11IS026	Megha P.R.
			ISG11IS027	Meghana N
B7	User mode MultiPath Transmission Control Protocol(MPTCP) Proxy	Prof. PreranaChaithra	ISG11IS011	ChethanGowda S.
			ISG11IS012	Darshan B.S.
			ISG11IS046	Skanda M Bairy
			ISG11IS048	Spoorthi Reddy P.
B8	Application for Rescuing Victims During Emergency	Prof. Gayathri R.	ISG11IS015	DylineDomnic Menezes
			ISG11IS017	HarshithaNaik
			ISG11IS021	Keerthi Shree B.
			ISG11IS040	Sanjana S.
B9	Secure Authorized De Duplication using Hybrid Cloud	Prof. Gayathri R.	ISG11IS016	Gunashree M.R.
			ISG11IS025	Marvel RincyD'Silva
			ISG11IS028	Nalini N.R.
			ISG11IS060	Yogitha M.
B10	Smart Parking and Tracking of Cars in Parking Areas.	Prof. Malathi K.P.	ISG11IS018	Harshitha Ravi
			ISG11IS045	Sharvani R Kulkarni
			ISG11IS049	Surabhi S
			ISG11IS051	Sushmitha S Walvekar
B11	Android Based Traffic Information Sharing using Sensors and Microcontrollers	Prof. Ramya R.	ISG11IS029	NehaKumari
			ISG11IS031	PallaviKumari
			ISG11IS034	Pratyush Pratyankar
			ISG11IS042	Shabditha

B12	A Light Weight Approach for Data Skew Mitigation in Map Reduce	Prof. Jyothi C.S.	1SG11IS033	Prathibha D.K.
			1SG11IS047	Spandana D.H.
			1SG11IS052	SyedaRabiya Alam
			1SG11IS059	Yoga E
B13	CLUB CF: A Clustering Based Collaborative Filtering Approach for Big Application Data.	Prof. Jyothi C.S.	1SG11IS039	Roshan Kumar Modi
			1SG11IS041	Sanjeet Kumar Mehtha
			1SG10IS044	Samir Jarika
			1SG11IS050	Surya Prakash Singh
B14	Efficient Authentication for Mobile & Pervasive Computing	Prof. Malathi K.P.	1SG11IS400	Achala K.A.
			1SG12IS402	Divya S.B.
			1SG12IS408	Pushpalatha S.
			1SG12IS403	KalaiVani N.
B15	A Transparent Billing System for the Cloud Computing Environment(THEMIS)	Prof. Chaithra	1SG12IS404	Malini R.
			1SG12IS411	Yashaswini V.G.
			1SG10IS011	Spurthi B.M.
B16	Secure Sharing of Personal Health Record in Cloud Computing	Prof. PreranaChaithra	1SG10IS022	Jahnvi P.
			1SG10IS040	Rakshita R Naik
			1SG12IS405	Mamatha R.

*Cha*  
Project Coordinator

*Principal*

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

*Res*  
HOD

Department of  
Information Science & Engg  
Sapthagiri College of Engineering  
14/5 Chikkasandra, Hesaraghatta Main Road,  
BANGALORE - 560 057

16-11-11

टेलीफोन / Telephone: 23607823

ई मेल/E- mail: [pvreddy@cpri.in](mailto:pvreddy@cpri.in) / [training@cpri.in](mailto:training@cpri.in)

फैक्स/Fax/080 23607823

केन्द्रीय विद्युत अनुसंधान संस्थान, बेंगलूर  
CENTRAL POWER RESEARCH INSTITUTE, BANGALORE

सं. No. CPRI/Trg./22/2014-15

दिनां : September 02, 2014

सेवा में/ To

Dr. C Puttamadappa  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road,  
Bangalore- 560 057

विषय / **Sub:** Industrial visit

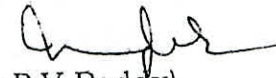
महोदय / Dear Sir,


उपर्युक्त विषय पत्र सं. .... दिनां .....  
इससे साथ संलग्न है।

We are enclosing herewith letter No. CPRI/Trg./22/2014-15 dated September 02, 2014, on the subject mentioned above.

संलग्न : यथोक्त

भवदीय,  
Yours faithfully,

  
(Dr.P.V.Reddy)  
Joint Director (Trg.)

HOD-EE  
  
619





# केन्द्रीय विद्युत अनुसंधान संस्थान

(भारत सरकार की सोसाइटी, विद्युत मंत्रालय)

प्रो सर सी. वी. रामन रोड, सदाशिवनगर डाक घर, पो. बा. सं. 8066, बंगलूर - 560 080

## CENTRAL POWER RESEARCH INSTITUTE

(A Govt of India Society under Min. of Power)

Prof. Sir C.V. Raman Road, Sadashivanagar P.O., P.B. No. 8066, Bangalore - 560 080, India

वेबसाइट/website : <http://www.cpri.in>

No. CPRI/Trg./22/2014-15

September 02, 2014

Dr. C Puttamadappa  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road,  
Bangalore- 560 057

Sub: Industrial Visit


With reference to your letter No.Nil dated 26.8.2014, it is advised that the Students can visit CPRI on the following date as detailed below:

Sl. No.	No. of Students	Date/Day	Timings	Visiting Divisions
1	VII EEE students along with faculty members	21.10.2014	10:30 to 16:30 hrs	All Technical Divisions

It may please be noted that if there are foreign students, the details along with copies of passport may be forwarded so as to reach us 4-5 days before the visit. The original passport need to be brought and shown to our Security Personnel before the visit.

Thanking you,

Yours faithfully,

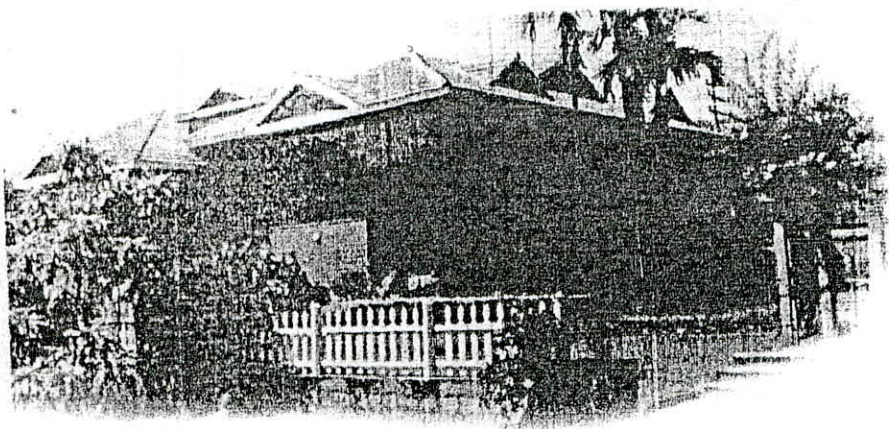
  
(Dr.P.V.Reddy)

Joint Director (Trg.)

Mobile: 9632392420

E-mail: [pvreddy@cpri.in](mailto:pvreddy@cpri.in)

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



Bangalore,

Date: 26/08/2014

To

Additional Director,

CRTL,

CPRI,

Bangalore.

Dear Sir,

Sub.: Visit of VII Sem EEE students to CPRI – Reg.

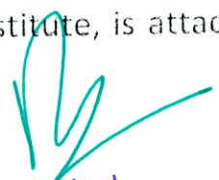
Towards value added teaching, it is desired by our college to expose the seventh Semester students of Electrical and Electronics Engineering to Laboratories at esteemed organization of CPRI. Familiarization of Electrical equipments used in the field and their testing method help them in assimilating their academic knowledge and develops interest in learning the subjects.

The college would feel greatly obliged if you allow our students to visit your Institute for a technical visit on the after noon of 16-09-2014

For your kind information the college doesnot have foreign national students. A list of students, who would be visiting your Institute, is attached with this letter for your perusal.

Thanking You,

Yours Faithfully,

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

(Dr. Puttamadappa.C)

**Dr. Puttamadappa.C**  
Principal

Sathagiri College of Engineering  
14/5 Chikkasandra, Hesaraghatta Main Road, Bangalore - 560 057. KARNATAKA,  
Hesaraghatta Main Road,  
Bangalore-560 057.

Tel : 080 - 2837 2801/02/03, 2313 0583 Fax : 080 - 2837 2797  
e-mail : [principal@sathagiri.edu.in](mailto:principal@sathagiri.edu.in) Web : [www.sathagiri.edu.in](http://www.sathagiri.edu.in)





भारत हेवी इलेक्ट्रिकल्स लिमिटेड  
(भारत सरकार का उपक्रम)

**Bharat Heavy Electricals Limited**

(A Government of India Undertaking)

इण्डस्ट्रियल सिस्टम्स ग्रुप

**INDUSTRIAL SYSTEMS GROUP**

ए. जयसिंह  
महाप्रबंधक  
(उद्योग-बीएमएच, ई एंड ए)

A. JAYASIMHA  
General Manager  
(Industry-BMH, E&A)

फोन/Phone : 080-23563723 / 080-22184051  
फैक्स/Fax : 080-23361412  
ई-मेल/e-mail: aj@bhelisg.com  
पो.बॉ. सं. 1249, प्रो. सीएनआर राव सर्कल  
आई आई एस सी के सामने  
मल्लेश्वरम, बंगलूर-560 012  
P.B. No. 1249, Prof. CNR Rao Circle  
Opp. IISc, Malleswaram  
Bangalore-560 012

D/ 4<sup>th</sup> May 2015

To :

Sapthagiri College of Engg.  
Bangalore

This is to inform that the following students studying in your Institution are currently doing a project In our Company (BHEL/ISG):

- |                |                |
|----------------|----------------|
| 1. Mr Ashwin J | USN 1SG11EE007 |
| 2. Mr Ankan    | USN 1SG11EE004 |
| 3. Mr Chandan  | USN 1SG11EE009 |
| 4. Mr Shubam   | USN 1SG11EE045 |

*A. Jayasimha*  
(A JAYASIMHA)

*[Signature]*  
Principal  
Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road,  
Bangalore-560 057





DAMODAR VALLEY CORPORATION  
OFFICE OF THE ADDL. DIRECTOR OF PERSONNEL  
P.O. MAITHON DAM :: DIST. DHANBAD.  
☎ 06540 - 27 9556 / 27 9499

NO. M-PL/127/- 379

Dated: 27/01/2015

To  
✓ The Principal,  
Sapthagiri College of Engineering,  
No.14/5, Chikkasandra,  
Hesaraghatta Main Road,  
Bangalore - 560 057

SUB: "VOCATIONAL TRAINING"

Dear Sir,

This is to inform you that **RAJARSHI DAS GUPTA** a student of Electrical & Electronics Engineering of 'Sapthagiri College of Engineering', No.14/5, Chikkasandra Hesaraghatta Main Road, Bangalore - 560 057, has successfully completed his 'VOCATIONAL TRAINING' in the Offices of the Sr. Public Relations Officer, the Chief Engineer(Trans.), the Chief Engineer(Hydel), & the Chief Engineer(CLD) DVC, Maithon w.e.f. 09/01/2015 to 23/01/2015.

During his tenure as a Vocational Trainee he was found to be quite sincere, intelligent & willing to defy all hurdles to reach his goal.

We wish all success in his career.

Yours faithfully,

*Anju Boipai*

(Anju Boipai)

Asstt. Manager (I/R),

DVC Maithon.

Principal

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

40A.ER  
20/1/15

**SAPTHAGIRI COLLEGE OF ENGINEERING**

Department of Electronics and Communication Engineering

20.03.2015

Bangalore

To

Mrs. Shilpa Chaudhari  
Research Scholar  
Reva Institute of Technology  
Bangalore

Sir,

Subject: Invitation for guest lecture

The department of Electronics and Communication Engineering of Sapthagiri College of Engineering, Bangalore invites you to share your valuable knowledge on 27 March 2015 between 9:30am to 11:30am by imparting a guest lecture on "Optimization Techniques and Performance Enhancement in Embedded Systems" to our students. Kindly oblige.


Thanking you

With warm regards

  
Prof. Sandhya Rani MH

HOD, ECE

Sapthagiri College of Engineering  
Department of Electronics & Communication  
Sapthagiri College of Engineering  
Bangalore - 560 057

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

**SAPTHAGIRI COLLEGE OF ENGINEERING**  
Department of Electronics and Communication Engineering

28.10.2014

Notice

The department of ECE has arranged a guest lecture on "Nanotechnology and its applications to various fields" by Mr. Gadhadar Reddy, CEO, NoPo Technologies.


All the staff members of ECE department and students MTech I and III semester are informed to attend the guest lecture as per the given schedule.

Topic: NanoTechnology and its applications to various fields

Date: 29 October 2014

Venue: Main Seminar Hall

Time: 9:00 am to 10:30am

  
Prof. B.N. Shobha

(PG Co-ordinator)

  
Prof. Sandhya Rani MH

(HOD ECE)

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





## **SAPTHAGIRI COLLEGE OF ENGINEERING**

Department of Electronics and Communication Engineering

The department of Electronics and Communication engineering cordially

Invite you for the guest lecture on

**"Latest trends on Open Source Technology"**


On 11-09-2014 at 12:00pm in the Seminar Hall, SCE, Bangalore

**Speaker: Mr. Umashankar Shetty**

Design Engineer and Technical Manager

Tenet Technetronics

  
Prof. Sandhya Rani MH  
Department Electronics &  
Communication Engineering  
HOD ECE department  
Sapthagiri College of Engineering  
Bangalore-57

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



## **SAPTHAGIRI COLLEGE OF ENGINEERING**

Department of Electronics and Communication Engineering

The department of Electronics and Communication engineering cordially

Invite you for the guest lecture on

**"Aeronautical Navigation Systems - Special focus on INS and GPS"**

On 31-03-2015 from 10:45 am to 12:30 pm in the Seminar Hall, SCE, Bangalore

**Speaker: Mr. Prasanna Ramamurthy**

**Senior System Engineer**

**Air Defense & Space, Bangalore**

  
HOD

  
ECE department

  
Principal

**Sapthagiri College of Engineering**  
Chikkasandra, Hesarghatta Road,  
Bangalore-560 057

EEE -- KH

ISE -- P

CSE -- Up

Mech -- R

BT -- AH

Mech -- 20/11

chemistry -- SA

phy -- S

SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE - 56  
DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING  
TIME TABLE FOR EVEN SEMESTER (2014-15) WITH EFFECT FROM 02/02/2015

SEMESTER : VI  
 CLASS TEACHER : Prof. Malathi K P

LECTURE HALL: ALH -305

FS lab : ALAB -210(LAB 2)  
 ST Lab: ALAB- 210(LAB 1)

Time → Day ↓	8:30 AM - 9:30 AM	9:30 AM - 10:30 AM	10:30 AM - 10:40 AM	10:40 AM - 11:40 AM	11:40 AM - 12:40 PM	12:40 PM - 01:30 PM	01:30 PM - 02:30 PM	02:30 PM - 03:30 PM	03:30 PM - 04:30 PM
MON	← FS(B2) / ST(B1) →				ST	L U N C H  B R E A K	USP	ME	CN2
TUE	← FS(B1) / ST(B3) →				CG		ME	CN2	FS
WED	ME	CG	S H O R T  B R E A K	USP	ST		SOFT SKILLS		
THU	CG	FS		ST	CN2		FS TUTORIAL	ST TUTORIAL	
FRI	ST	CN2		FS	USP		← FS(B3) / ST(B2) →		
SAT	FS	USP		CG	ME				

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

Sl. No.	Subject Code	Subject Title	Subject Abbreviation	Faculty In- Charge
1	10AL61	Management and Entrepreneurship	ME	Prof. Ramya R
2	10CS62	Unix System Programming	USP	Prof. Yashaswini D K
3	10IS63	File Structures	FS	Prof. Malathi K P
4	10CS64	Computer Networks- 2	CN2	Prof. Divyashree G
5	10IS65	Software Testing	ST	Prof. Mamatha S K
6	10IS665	Computer Graphics and Visualization	CG	Prof. Chaitra
7	10ISL67	File Structures Laboratory	FS LAB	Prof. Malathi K P
8	10ISL68	Software Testing Laboratory	ST LAB	Prof. Mamatha S K

Time table Co-ordinator  
 Varanthalakshi

HOD  
 Department of  
 Information Science & Engg.  
 Sapthagiri College of Engineering  
 14/5, Chikkasandra, Hesaraghatta Main Road

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