SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU

2.3.1
STUDENT CENTRIC METHODS

2016-2017

SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-560057

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

KSCST APPROVED PROJECT LIST- 2016-17

SL No	Years	Department	Best Projects		Ref No
12	2016-17	Mechanical	PERFORMANCE AND EMISSION ANALYSIS OF THE SINGLE CYLINDER SI ENGINE VARYING ETHANOL BLENDS WITH PETROL	http://www.kscst.iisc.ernet.in/spp/40_series/SPP_40S_Biofuel_Compendium.pdf	40S_B_BE_049
13		Mechanical	REDUCTION OF POLLUTION LEVELS IN THE ATMOSPHERE BY THE USE OF METHANOL BLENDED PETROL FUEL IN AUTOMOBILE IC ENGINE AND THE STUDY OF ITS EFFECTS ON THE PERFORMANCE OF THE ENGINE	http://www.kscst.iisc.ernet.in/spp/40_series/SPP_40S_Biofuel_Compendium.pdf	40S_B_BE_064
14		BT	ISOLATION AND IDENTIFICATION OF MICROLABS FOR ABSORPTION AND CONVERSION OF AMMONIA, NITRATES AND NITROGEN USING AQUAPONICS SYSTEM	http://www.kscst.iisc.ernet.in/spp/40_series/SPP_40_series_sponsored_BE_MTech_projects_collegewise.pdf	40S_BE_0183
15		ECE	FOREST MONITORING SYSTEM BASED ON GPRS AND POWERED BY IOT	http://www.kscst.iisc.ernet.in/spp/40_series/SPP_40_series_sponsored_BE_MTech_projects_collegewise.pdf	40S_BE_2312

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Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

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www.newengineeringjournal.com
Volume 1; Issue 2; May 2017; Page No. 22-26

Design of fixture for gear cover component machining on VMC

*[1] Megha G Hegde, [2] Shakunthala IC, [3] Gangadhar Hegde, [4] Prof. Anil Kumar PR, [5] Prof. T Venkate Gowda
[1, 2] Bachelor of Engineering in Mechanical Engineering, Sapthagiri College of Engineering, Bangalore, Karnataka, India
[3] CEO, GRM Toolings, Bangalore, Karnataka, India
[4, 5] Assistant professor, Sapthagiri College of Engineering, Bangalore, Karnataka, India

Abstract
Gear cover is very important part of the gear transmission system, where the gear gets fixed inside firmly. It should be accurately machined with the acceptable tolerance. Also the fluctuations of dimensions in work-piece to work piece should be minimum so That it will be easier to assemble the gears inside the gear cover perfectly.
This casted gear cover component requires machining (Facing, Drilling, Tapping, Boring, Counter Boring operations as per the requirement at each faces) on four sides. At present the industry is utilizing 3 separate fixtures for machining of all four sides of the die casted Aluminium gear cover component. Due to this, the maintenance of accuracy of the machining becomes the burden on the operator to adjust the fixtures each time. This increase the setting time, handling time, tool change time. Also the cost per ponent increases.
The aim of this project is to design and development of a single new fixture connected to turret which replaces the old three fixtures for machining operation using designing software's i.e. Pro ENGINEERING, AutoCAD and analysis using ANSYS, which can eliminate the said problems. Also costing analysis is carried out by comparing old and newly designed fixture. The production rate will also increase up to 50% and cost per component machining decreases, which is quite objective.
Thus, we are designing the fixture for such gear cover component machining for 2-wheeler excel TVS vehicle.

Keywords: fixture, clamping, holder, turret, AutoCAD, pro e, ANSYS

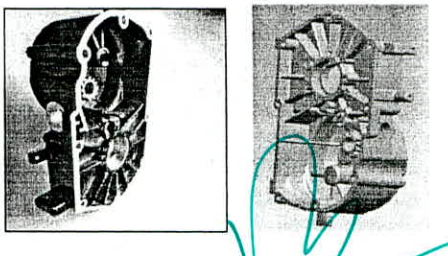
1. Introduction
Fixture [1] – A fixture is a work piece holding device which is rigidly fixed using fasteners on to the machine bed. It has no special arrangements to guide the tool as in jigs. In a setup using a fixture, the responsibility of accuracy is dependent on the operator and the construction of machine tool. In fixtures, the method of clamping and locating should be such that it reduces the idle time to a minimum. Fixtures vary in design from relatively simple tools to expensive, complicated devices. In order to decide upon the location method, one has to consider the work piece shape, size, surface and features that are likely to affect obstruct the tool movement.

correct position of the work piece essentially require restricting of all Degree Of Freedom of the work piece positively. Once a work piece is located, it is necessary to press it against the locating surface and hold it there against the forces acting upon it.

1.1 Elements of Fixture [2]
- Fixture Body – This is the main structural element of the fixture. This body is designed as per the dimensions of the required component that is to be machined. In our Design, we have provided the profile cut, that fits the gear cover component on to it. And the size of the fixture body must not be heavy so that it is easy to place it on to the machining bed.
- Clamps - It is necessary hold the work piece firmly against the forces acting upon it. This action refers to as Clamping and the mechanism used for this action is called Clamp.
- Locators - Fixed component of a fixture. It is used to establish and maintain the position of a part in the fixture by constraining the movement of the part. For work-pieces of greater variability in shapes and surface conditions, a locator can also be adjustable.
- Supports – These are the elements that are provided on the fixture body to provide the required force against the deformation which are caused due to the action of clamping.

2. Fixture Design Steps
- Dimensional analysis of the Casted Gear Cover Component.
- Modelling of the component in 2D and 3D.
- Analysis of the time and cost of old 3 Fixtures that were used for machining earlier.
- Concept designing of the new fixture considering Design specification, Factory requirements, economy, ease of use and safety.
- Stress and deformation analysis using ASYSIS R16.2 Version.
- Final design and production.

2.1 Casted Gear Cover Component Design



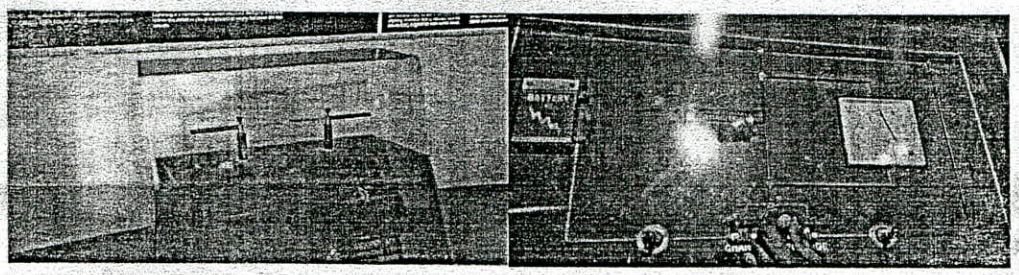
16-17

Report on Educational Tour to Museum

The one day Educational tour to Visveswarayya Technological Museum was organised for 2nd year Electronics and communication students on 25th September 2016. The Educational Tour was meant to develop scientific temper among the students and also it was a part of Innovative teaching method for the Engineering Electromagnetics subject (15EC36) of 3rd semester. There were 76 interested students who came for the educational tour with the support from the Head of Department and the Principal of Sapthagiri College of Engineering.

In the Museum, the students were able to understand the concept of Engineering Electromagnetics like faraday's Law, Coulombs law, Biot savart's Law, waves and its application etc practically with the experimental model. The museum visit was not only limited to Engineering electromagnetics, students got motivated with the higher semester subject like CMOS VLSI–IC fabrication Process, Communication system and its application etc.

Few of the pictures which were taken during the museum visit

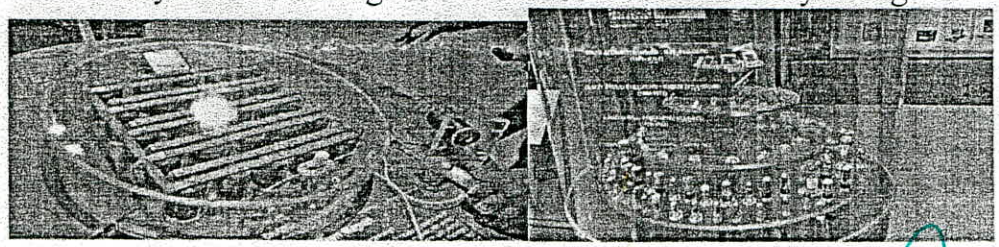


Static Electricity

Capacitor working

Dynamo Working

Faradays Ring



Concept of Biot-Savarts Law

Generation of IC Technology

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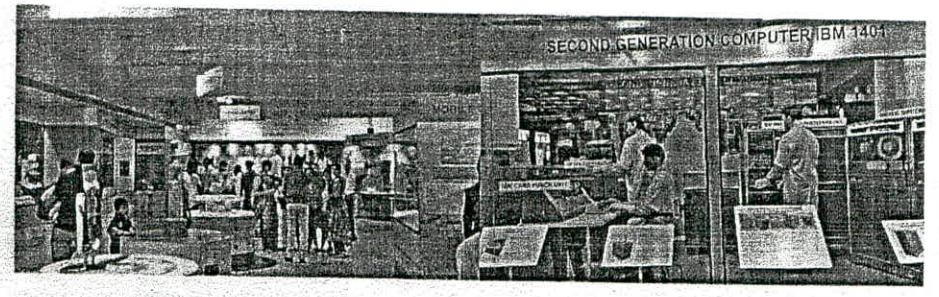
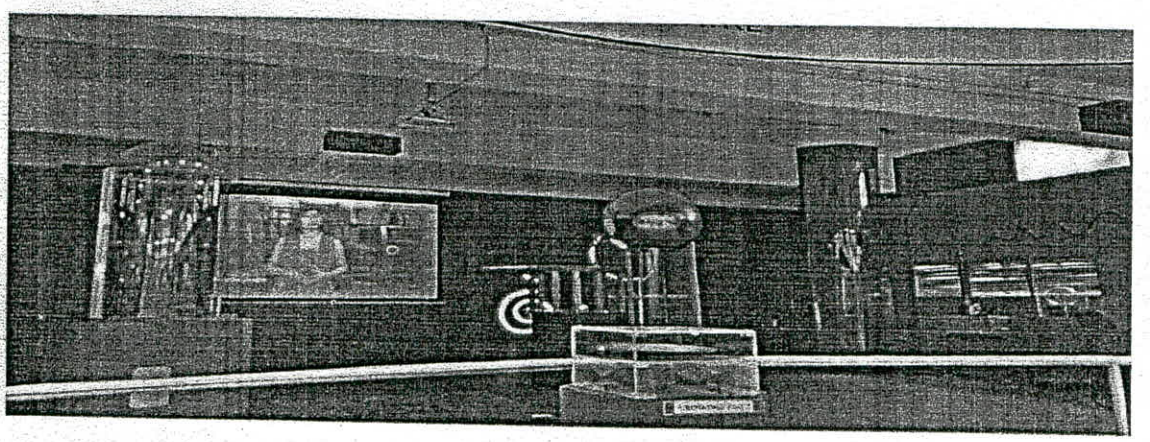
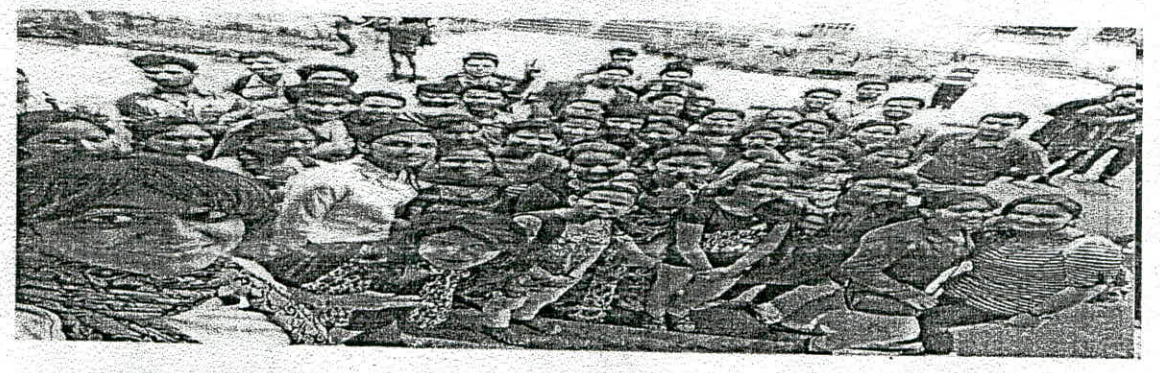
Bangalore-560 057

HOD. EC
06/10/16





Spark Theatre: Concepts of Electromagnetics were explained with the help of demo



Faculty Incharge

Naveen H

Head of Dept

Sandhya Rani M H

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

15-16

SAPTHAGIRI College of Engineering

SRI SRINIVASA EDUCATIONAL & CHARITABLE TRUST (R)

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visveswaraya Technological University, Belgaum & Approved by AICTE - New L

Ref. No: SEC/Rec/2623/2015 - 16

6th January 2016

To,
The Proprietor,
M/s, Progressive Systems,
No.A-282, 6th Main,
Peenya 2nd Stage,
Peenya Indl. Estate
Bangalore – 560058.

Dear Sir,

We take pleasure in permitting the following students whose details are mentioned below for undergoing internship at your esteemed company. They are bonafide student of this college studying in Third year B.E in Mechanical Engineering during the year 2015-2016.

Sl.No	Student Names	USN No.	Department
1	Vidya S	1SG13ME119	Mechanical Engineering
2	Pratheek N	1SG14ME413	Mechanical Engineering

They will be attending the Vacational Training at your esteemed organization from 8th January 2016 to 19th January 2016 .

Kindly permit and oblige.

SAPTHAGIRI COLLEGE OF ENGINEERING S.C.E. BANGALORE 57

Dr. Aswatha Kumar M
Principal
Sapthagiri College of Engineering
No. 14/5, Chikkasandra,
Hesaraghatta Main Road,
Bangalore -560 057.

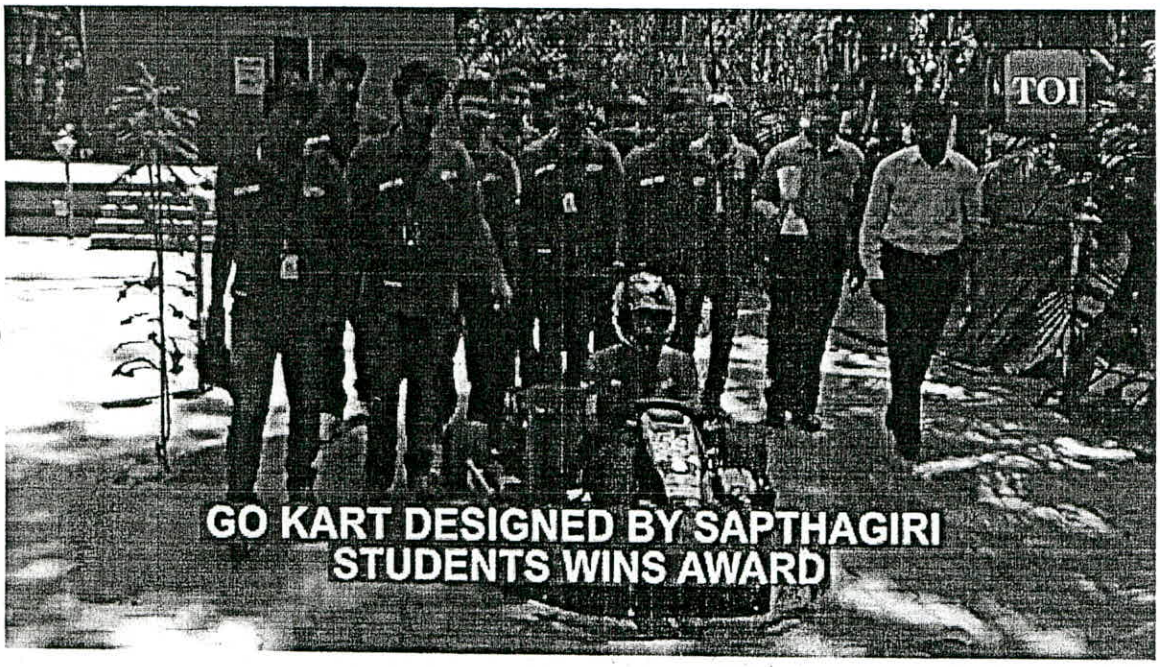
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

55

14/5, Chikkasandra, Hesaraghatta Main Road, Bangalore - 560 057. KARNATAKA,
Tel : 2837 2800 / 01 / 02 / 03, 2313 0583 Fax : 080-2837 2797, E-mail : principal@sapthagiri.ec
Web : www.sapthagiri.edu.in

16-17

GO KART PAPER PUBLCIATION



2 years ago

Watch: Go kart designed by Bengaluru students wins award

27 Feb 2017, 08:21AM IST | Source:

The go kart designed by the students of Mechanical Engineering at Sapthagiri college of Engineering in Bengaluru won the award for most dynamically balanced kart at the Torq racing event.

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Sapthagiri College of Engineering
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Bangalore-560 057


Watch: G designe Bengalu students award


Micha Patra r RBI's c goverr


Donald ning visit in F says offi


Watch: Ene Spiderman Thanos mo beat of a Pu song in fun


MoS Defenc Shripad Nai Army Chief MM Naraval statement o reclaiming P


Watch: 10-f glacier wal br[illegible]s off,. or[illegible]highw HP's Kinna

Got Rs 12 la help J&K te reach Delhi


arrested DS Davinder Si


What M CEO Sa Nadella say on C


J&K: Dread

16-17

https://www.youtube.com/watch?v=9HKYm-w1bHI

To,
The Principal
Sapthagiri College of Engineering
Chikkasandra Bangalore – 57.

Date: 13/02/2017

Respected Sir,

Sub: Request to provide Attendance for attending National Go Karting Event

We the students representing Team TORQ RACING of the department of Mechanical Engineering have the opportunity to Participate in the upcoming ELITE KARTING National Level Go Karting Event at Bhopal. As such, the students whose names are mentioned below will be leaving for the event on 13/02/2017 and returning back to Bangalore on 21/02/2017. We kindly request you to provide attendance for the same duration as we will have to miss classes in order to attend the event. This kind gesture of yours will give us more confidence and help us perform better at the event. Kindly Oblige.

Thanking You,

Sanjay Kumar R
Captain
TORQ RACING

NAMES	SEMESTER	USN
Sanjay Kumar R	8	1SG13ME101
Shree Harsha V Kumar	8	1SG13ME107
Prashanth M	8	1SG13ME085
Rishabh Somaiah K	8	1SG13ME094
Sumanth C A	8	1SG13ME114
Vishwas D R	8	1SG13ME125
Vasanthraj	8	1SG13ME118
Pratheek N	8	1SG14ME413
Mathew O M	6	1SG14ME065
Aditya V Kulkarni	6	1SG14ME007
Sanjay P	6	1SG15ME420

(52)

Forwarded to principal
13/2/17

Permitted and informed to maintain the rules of VTU
13/2

HOD, ME
13/2

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

The event name was ELITE RACING which was hosted by ELITE TECHNO GROUPS , in which 2000+ students from 137 top engineering colleges , 57 major cities from 16 states accounting to 168 teams out of which TORQ RACING from SAPTHAGIRI COLLEGE OF ENGINEERING was one of the teams.
The event was based on students building a go-kart on their own in the best ways possible and compete with all the teams from across the nation in a number of categories of competitions.
The event was held in 2 different stages in which the first stage involved the students to design the go-kart and give a detailed presentation about how their kart is going to be built.
Teams were eliminated based on various grounds of evaluation and only around 70 teams made it to the second round where their karts were got to test around many aspects of performance and aesthetics.
The event was held at 'RPM CIRCUIT ,Rathibad ,Bhopal ' and our team TORQ RACING from SAPTHAGIRI COLLEGE OF ENGINEERING did it's best and gave a really tough competition to all teams nationwide and was among the top teams present in the event.
The event was held for 3 days starting from 16th of February 2017 to 18th February, The first day involved a Technical Inspection round, the second day included the Dynamic Tests and the third day was about an Endurance race.
Each round was an elimination round and finally for the third day only the best teams were qualified for the semifinals among which TORQ RACING was one.
Though we did not win the race we were among the top contending teams and we are proud to be awarded to have built 'THE MOST DYNAMICALLY BALANCED KART' among all teams from India.
The amount of hardships we went through right from designing to the last day of the event and getting the kart back to Bangalore was another challenge on its own, which would not be possible without the support shown by the Dept. Of Mechanical Engineering, management and staff of our college.
Our beloved HOD Dr. Manjunath. S.H, the faculty advisor of our team was a constant support and helped us in every way possible.
Special thanks to Mr.Manoj, Executive Director, without whom taking even the smallest step ahead of the event would not have been possible.

Congratulations!!!

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Chikkasandra, Hesaraghatta Road,
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ELITE RACING

EK-15

fmsci
The Federation of Motor Sports Clubs of Indi

Elite Karting is proud to announce that **TEAM TORQ RACING** from **SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE** participated in **Elite Racing 2017.** Their team has completed the fabrication of their race kart and raced with **168** other teams from all over the country. Their team was awarded with

- Most Dynamic Balanced Kart Award

Scores distribution of the team in event is as follows:

Category	Maximum score	Team Score
Design Report	150	105
Cost	15	7.5
Prototype Cost	85	30.81
Sales Presentation	50	27
Acceleration	120	109.68
Maneuverability	180	170.02
Endurance	400	254.55
Total	1000	704.56

Final Score: 704.56/1000
Overall Rank: 5th out of 168

We wish team and all its members, the very best for their future endeavors.

Managing Director

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

Elite Racing
418, Jaipur Electronic Market,
Ridhi Sidhi Circle, Gopalpura Bypass
Jaipur-302018 (Raj.)
www.eliteracingindia.com

SA THAGIRI COLLEGE OF ENGINE ING
DEPARTMENT OF MECHANICAL ENGINEERING

Torq Racing Team Won
MOST DYNAMIC BALANCED KART AWARD

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ME 16-17

IJERT International Journal of Engineering Research & Technology
ISSN : 2278 - 0181, www.ijert.org
(Published by : ESRSA Publications)

Certificate Of Publication

This is to certify that

Abhishek S. A

Has published a research paper entitled

Effect of Fiber Volume on Mechanical Properties of Alkaline Treated Unidirectional Long Kenaf Fiber with Egg Shell Powder Reinforced Polymer Matrix Composite

In IJERT, Volume 6, Issue 06, June - 2017

Registration No: IJERTV6I060124 Date: 06-06-2017 Chief Editor, IJERT

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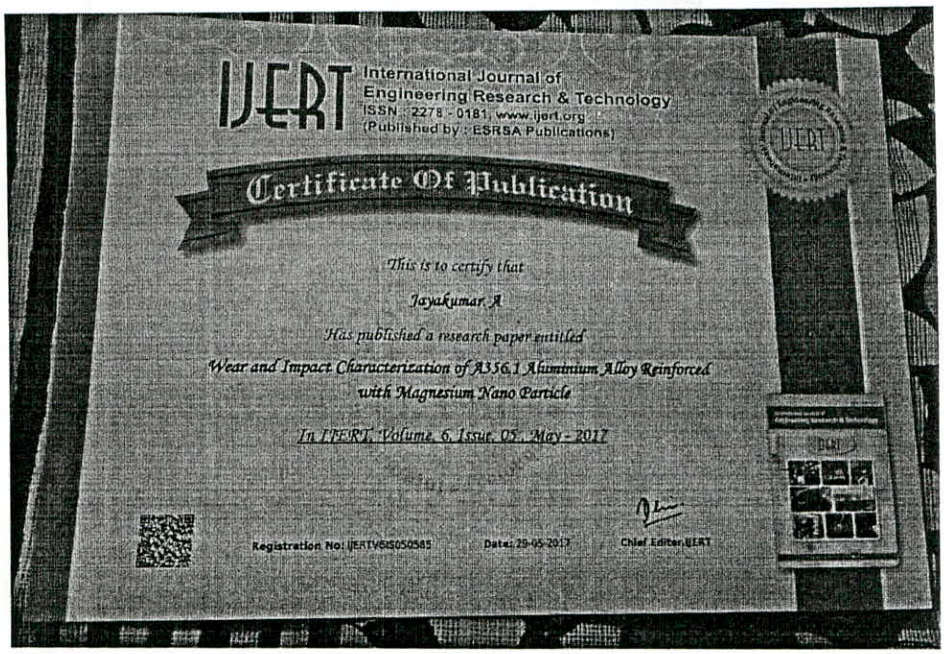
ME 16-17



IJERT International Journal of Engineering Research & Technology
ISSN : 2278 - 0181 www.ijert.org
(Published by : ESRSA Publications)

Certificate Of Publication

This is to certify that

Jayakumar A

Has published a research paper entitled

Wear and Impact Characterization of A356.1 Aluminium Alloy Reinforced with Magnesium Nano Particle

In IJERT, Volume 6, Issue 05 , May - 2017

Registration No: IJERTV6IS050585 Date: 29-05-2017 Chief Editor, IJERT

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

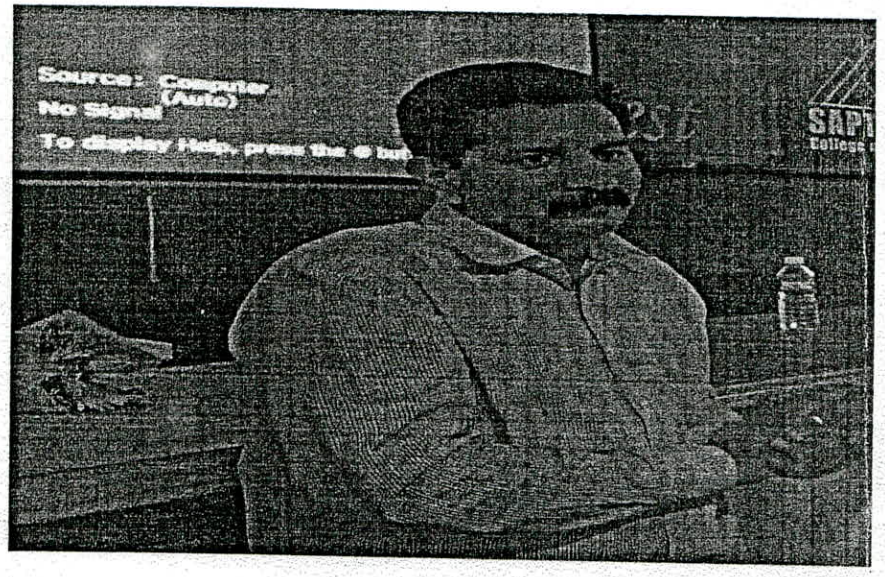
Guest Lecture Report

Topic: "Career Guidance for Higher Studies Abroad and India"

By

Mr. Philip Thomas,

Study Abroad Product Head – GRE & GMAT
T.I.M.E.
Bangalore



Date: 19.04.2017

Time: 11.30 to 12.30

Venue: Seminar Hall, SCE Bangalore.

Speaker Profile:

Mr Philip Thomas: M.A (English). A post- graduate in English Language and Literature , he started his teaching career in 1985 . He has taught in different colleges and institutions associated with Kerala University and M.G. University following which he joined TIME , Bengaluru in 2003.Currently, he is Head for – Study Abroad product- GRE & GMAT, TIME Bengaluru. He has a teaching experience of over 31 years.

Lecture details:

Most of the students are in a state of confusion to choose their career ahead after engineering. The choice are many, advises galore all adding up to the grand confusion. For this reason Dept of ECE set up guest lecture on the Career Guidance for higher education.

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The programme started with the welcome note and introduced the guests. The speaker has taken a novel initiative of providing structured career guidance for the engineering students with an objective of creating awareness among them on various career choices of available after engineering. Career Guidance was a comprehensive, developmental program designed to our students in making and implementing informed higher educational opportunities and occupational choices.

Career guidance and counselling program develops an individual's competencies in self-knowledge, educational and occupational exploration, and the right career planning. Every higher education intended student requires an informative and dynamic seminar that will prepare them for those life-changing career decisions that they face. This career guidance program has put them in touch with today's changing global marketplace trends and tomorrow's career opportunities. The session came to an end with the vote of thanks by Prof. Vani A and The HOD Prof. Sandhya Rani MH presented memento to the guests.

Students and faculties attending sessions of Mr. Philip Thomas

Guest Lecture/FDP/Workshop Co ordinator 20/4/17

Prof. Vani V & Prof. Vani A

HOD ECE 20/4/17

Prof.Sandhya Rani MH

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

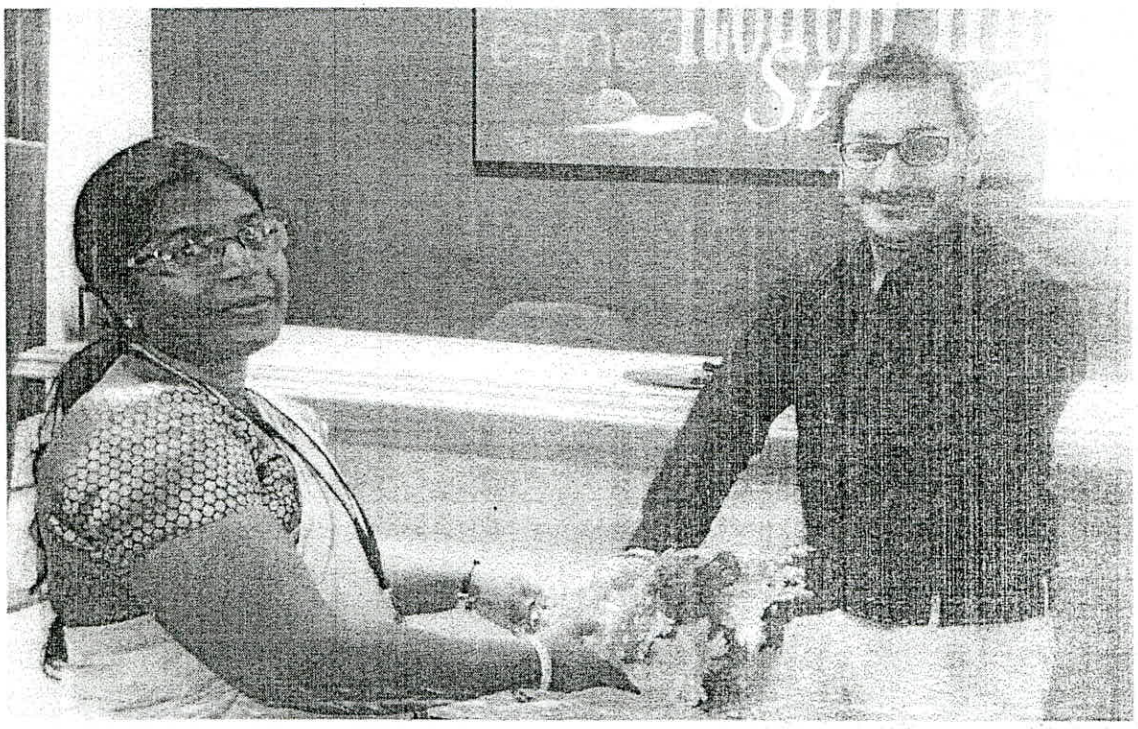
Guest Lecture Report

Topic: "Analog Electronic circuits and Devices"

By

Mr. MM Trinath,

IES Trainer and
Assistant Professor,
IIIT Hyderabad.
Bangalore



Date: 19.08.2016

Time: 02.30 to 04.30

Venue: Seminar Hall, SCE Bangalore.

The session started with introduction to bounded and bounded systems. He explained the importance of imaginary parameter in defining any system as stable or unstable. He gave excellent explanation on how to use imaginary parameters *i and j* in any electronic system. The session moved on with explanation of resonance circuits and importance of impedance emphasising on imaginary term j in the circuit.

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Based on the literature of Faraday the discussion continued with the effect of Capacitor in any circuit. With the introduction to Inductance he also explained how the resistor helps to propagate the signal and helps in maximum power transfer.

Most of the GATE exams questions were discussed in between the session and motivated the students to take up GATE entrance to accomplish their dream in IIT's and IISc. He also emphasizes that GATE entrance score is considered during recruitment process in the public sector.

Students and faculties attending sessions of Mr. MM Trinath.

FDP/Seminar/Guest Lecture Co ordinator

HODECE

20/08/20

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Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

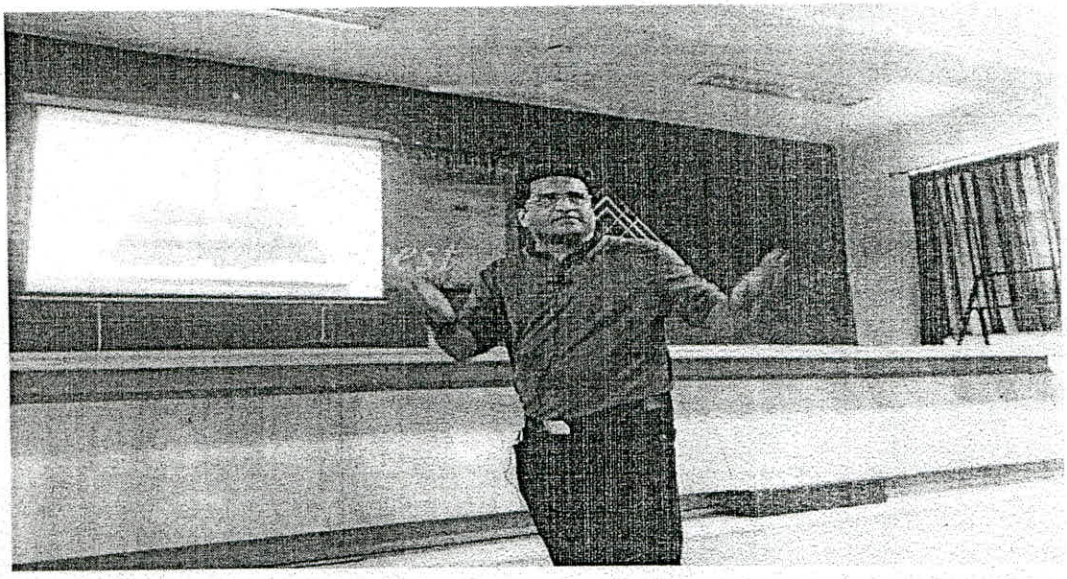
Guest Lecture Report

Topic: "Overview on implementation of Projects"

By

Mr. Sunil S,

General Manager,
Advanced Electronic Systems (ALS),
Bangalore



Date: 08.08.2016

Time: 10.30 am to 12.30 pm

Venue: Seminar Hall, SCE Bangalore.

Speaker Introduction:

Name : Sunil.T.Shabhatnavar
Qualification: B.E. E&C, from SDM College Of Engineering, Dharwar, 1991.

Joined M/S Advanced Electronic Systems,(ALS) Bangalore in 1992 as a Trainee Marketing Engineer. Since then he has been serving in ALS in various capacities. Now he is the General Manager - handling both national and international markets. Apart from handling Marketing and support he is also involved in initial stages of product design and framing of specifications.

Session Details:

The session started with introduction to Embedded Product development process. The speaker provided brief idea about controller boards, prototyping boards, Evaluation boards

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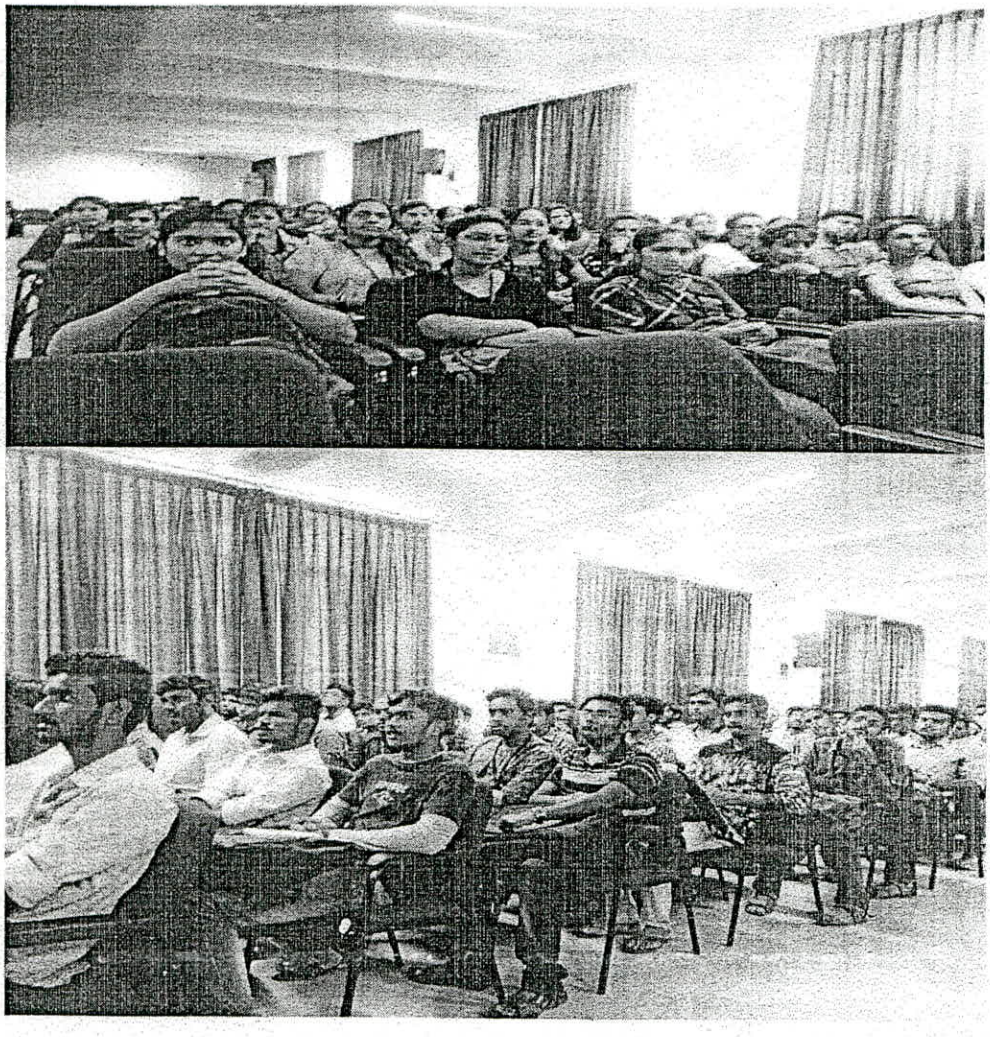
for study, basic tools, test and measuring instruments, Embedded product design case studies, training courses etc.

As the technical education is moving on fast track lot of emphasis is laid on extra knowledge to implement the projects. However buzz in the industry is that the students who study Engineering are not industry ready. The M/S ADVANCED ELECTRONIC SYSTEMS, Bengaluru, has came out with an innovative idea of trying to help the colleges in establishing "INNOVATION CENTRE" on the campus so that the students and faculty can have the facilities and infra to carry out mini projects in the campus, thereby saving not only time and money but also enhancing their technical skills to a large extent. The session followed by question and answers where students interacted on questions about implementation of projects in the campus.



Students and faculties attending sessions of Sunil S

Prof. Vani V & Vani A
Guest Lecture/FDP/Workshop Coordinator

Prof. Sandhya Rani MH
HOD ECE

8/8/2016

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

WORKSHOP REPORT ON

"ARM 7"

Date: 17.09.2016 to 19.09.2016

Objective of the workshop:

The objective of this workshop is to provide an opportunity for students to get aware of ARM7 thereby developing a stepping stone towards the development of an Embedded System.

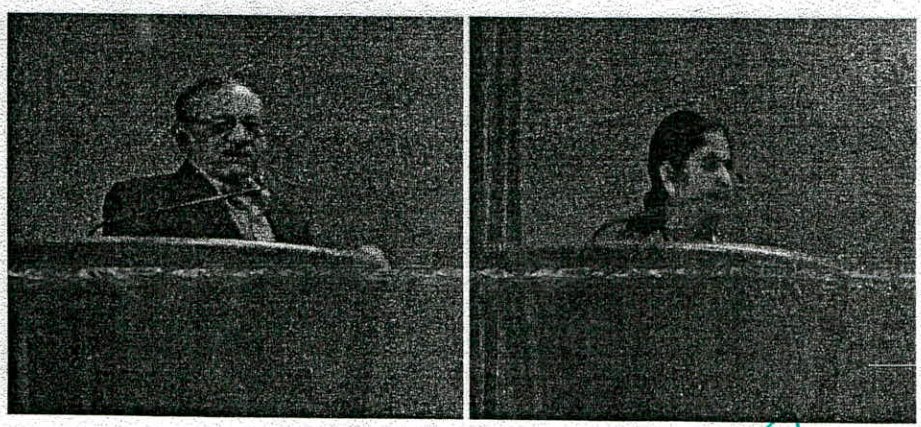
Venue: DSP and HDL Lab, Faraday block, SCE

Coordinated by: Prof. Vani V and Prof. Vani A

In Association with: M/S V&V Technologies, Bengaluru.

Number of Participants: 58

Inauguration and Lamp Lightning by Principal Dr. Aswatha Kumar, HOD Prof.Sandhya Rani MH, Mr. Kumaraswamy and Mr. VISHWANATH from M/s V&V Technologies, Bangalore.



Principal Dr. Aswath Kumar M and Prof. Sandhya Rani MH, HOD ECE, SCE addressing the participants.

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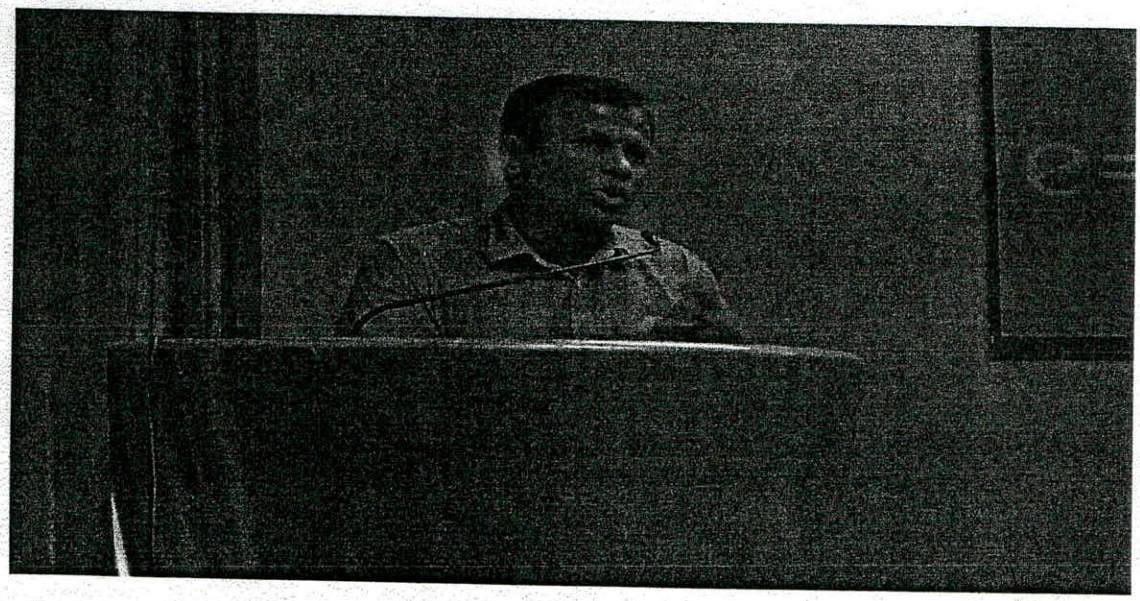
Summary Report:

The workshop is aimed at helping the students of final year in improving their technical skills in embedded domain as education is incomplete without IT today. This workshop will cover the aspects of embedded system design, applications, and current scenario in the industry. The main theme of this workshop is the hands on training on ARM 7 processor. Its architecture, instruction set and programmer's model will be demonstrated with the popular C language in windows platform. The course was practical oriented. In this workshop participants worked directly on the ARM7 platform and developed programs for various interfaces and run them on the ARM 7 hardware.



Mr. Kumaraswamy K from M/s V&V Technologies, Bangalore delivering speech to students.

On the first day students were exposed to understand the basic concepts of ARM7 processor and its trends, Introduction to ARM Processor. The theory session extended with introduction to LPC2148 series, System connection block, Memory Mapping, Vectored Interrupt Controller, Pin Configuration by Mr. Kumaraswamy K from M/s V&V Technologies, Bangalore. Afterwards in the laboratory session, expert started with the basic examples students understood how to work on Keil version 4 tool.

On the second day students were exposed to more examples including Kiel Programming on LPC2148 Controller, Port Programming, LED & LCD Programming (4 Bit & 8 Bit), Motor interfacing, Key Pad, ADC, ADC with LCD, UART0, UART1 interfacing.

On the last day Expert gave brief about Different way of programming using ADC, UART 0/1 & LCD , RFID, Zigbee interfacing, GSM interfacing and Mini Project. They also briefed how to do debugging and demonstrated the same.

This workshop proved to be an important one for students and faculty members who attended the same. The entire workshop was co-ordinated by Prof.Vani A & Vani V and student Coordinators.

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Students and faculties participating in the ARM 7 workshop.

Prof. Vani V & Prof. Vani A

FDP/Workshop/Seminar Coordinators

Prof. Sandhya Rani M H 20/09/201

(HOD ECE)

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16-17

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

No: CEE(TR)/BZ/SEE(O)/AEE-3

913-15

O/o Chief Engineer Electy.,
Transmission Zone,
Ananda Rao Circle,
Bengaluru - 560 009.
Dated: 24 APR 2017

To,
The Principal,
Sapthagiri College of Engineering,
No.14/5, Chikasandra Hesaraghatta Main Road,
Bengaluru - 560057.

Sir,

Sub: Permission to visit 400/220kV Nelamangala Receiving Station on 27.04.2017 & 28.04.2017.

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With reference to the above, approval is hereby accorded to permit for the Electrical & Electronics Engineering 6th Semister students, along with faculty members of Sapthagiri College of Engineering of Techonology Bengaluru to visit, **400/220kV Nelamangala Receiving Station on 27.04.2017 & 28.04.2017 during working hours. (Thursday) & (Friday) @ 1:30 P.M.**

The following are the list of station and date for visit.

Sl No	Name of the station	Date and Time	Number of Students &Staffs.
1	400/220kV Nelamangala Receiving Station.	27.04.2017, @ 1.30 pm	65 nos. Students & 2 nos. Staffs.
		28.04.2017, @ 1.30 pm	65 nos. Students & 2 nos. Staffs.

The authorities of Sapthagiri College of Engineering will be fully responsible for the safety of the students and accompanying faculty during their visit. department is not responsible for unforeseen circumstance during the visit.

Contact Person's Details:
1.Executive Engineer Elect.
(Mob. No. 9448365087)
Nelamangala 400/220Kv,Receiving station.
KPTCL, Bengaluru.

Yours faithfully,

Chief Engineer Electy.,
Transmission Zone,

Copy to:
1)The Superintending Engineer Ele.,Transmission(Maintenance),Ramnagara Circle,UAS campus Hebbal, Bengaluru.
2) The Executive Engineer Elect, TL & SS,Nelamangala Bengaluru.
3) AEE-3/MF.

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3-DAY NATIONAL SEMINAR
ON
"ENTREPRENEURIAL OPPORTUNITIES IN BIOTECHNOLOGY"

CERTIFICATE

This is to certify that Prof/Dr/Mr/Ms ....VINEETHA M.....

of..Sapthagiri College of Engineering.....

has participated/presented poster at the National Seminar held during 23rd to 25th of March 2017, organized by the Department of Biotechnology, Sir M Visvesvaraya Institute of Technology, Bengaluru - 562157.

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Bangalore-560 057

Dr. H G Nagendra
Organizing Secretary

Prof. K R Kini
I/c Principal

JSS UNIVERSITY

SERB INDIA

POLLUTION CONTROL BOARD KARNATAKA

PARAM

INTERNATIONAL CONFERENCE ON

ENVIRONMENT, HEALTH & POLICY NEXUS (ICEHPN-2017)

27-28th, JULY 2017

Organized By

Jagadguru Sri Shivarathreeshwara University, Mysuru

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

This is to certify that Srilekha K has Presented a Poster Presentation on "EXTRACTION OF CELLULOSE FROM WET ORGANIC WASTE AND ITS APPLICATION IN MANUFACTURING OF PAPER" in Two Days International Conference entitled "Environment, Health & Policy Nexus" held on 27th & 28th July-2017 at Jagadguru Sri Shivarathreeshwara University, Mysuru, India.

Dr. H. P. SHIVARAJU
Convener & Organizing Secretary
ICEHPN 2017

Dr. S. BALASUBRAMANIAN
Chairman, ICEHPN 2017

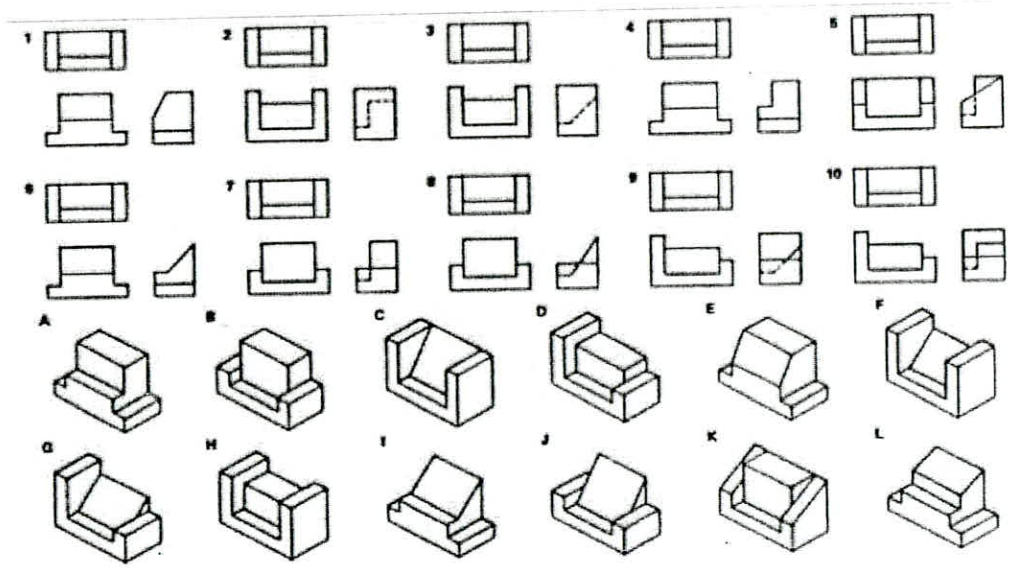
Dr. B. MANJUNATHA
Registrar, JSS University

Dr. B. SURESH
Vice Chancellor, JSS University

Puzzles

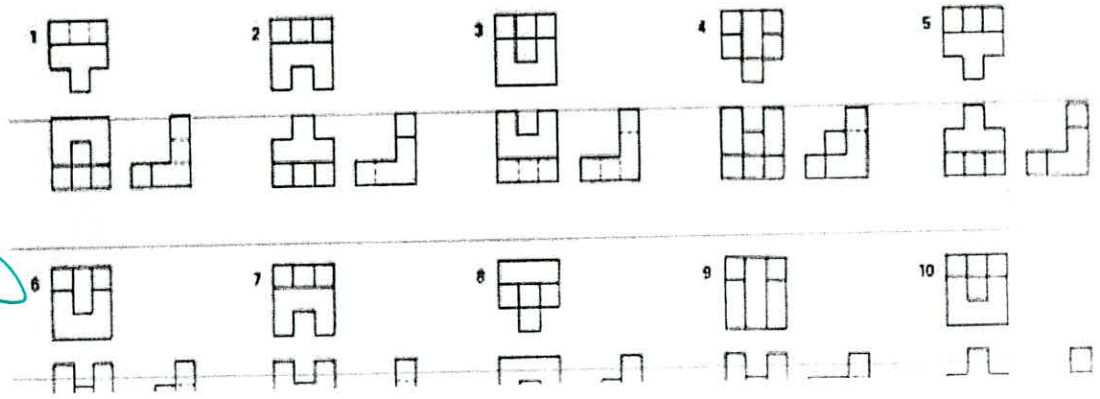
Subject: Computer Aided Machine Drawing

2. Study the views provided from 1-10 and fill the corresponding object name in the table below:



1	2	3	4	5	6	7	8	9	10

3. Study the views provided from 1-10 and fill the corresponding object name in the table below:



Sapthagiri College of Engineeri

Department of Information Science & Engineering

VIII sem students First Project Progress Seminar on 03-03-17

Batch No.	Project Title	Guide	Time	USN	Student Name	Sign
B1	Framework for data model to personalized health systems	Prof. Malathi K P	8:45 to 9:00 am	1SG13IS006	AKSHATHA	
				1SG13IS021	D N SWATHI	
				1SG13IS041	KAVYA S D	
				1SG13IS056	MOTUKURI YUGANDHAR	
B2	CloudSky: A Controllable data self Destruction system for Untrusted Cloud storage Network	Prof. Malathi K P	9:00 to 9:15 am	1SG13IS068	NISCHALA K	
				1SG13IS074	PARINITHA KIRAN	
				1SG13IS078	POOJA G	
				1SG13IS094	SAMATHA REDDY R	
B3	Proxy server enabled secure EHR data access control system	Prof. Malathi K P	9:15 to 9:30 am	1SG13IS030	GURUPRASAD M	
				1SG13IS054	MOHAN RAJ B N	
				1SG13IS063	NIKHIL C GANAPATHY	
				1SG12IS008	ANURAG GAURAV	
B4	A Cost aware auto scaling approach using workload prediction in service clouds	Prof. Prerana Chaithra	9:30 to 9:45 am	1SG13IS019	CHANDANA S	
				1SG13IS023	DEEPIKA V	
				1SG13IS039	JYOTHI A	
				1SG13IS057	NAGASHREE P	
B5	Prediction of transitional interval of kidney disease from stage 3 to 5 in data mining	Prof. Ramya R	9:45 to 10:00 am	1SG13IS015	ASMA KOUSAR	
				1SG13IS022	DARSHAN B S	
				1SG13IS031	H DEEKSHA	
				1SG13IS038	JYOTHI M	
B6	Deduplication on encrypted big data in cloud	Prof. Ramya R	10:00 to 10:15 am	1SG13IS077	POOJA	
				1SG13IS091	RASHMI A	
				1SG13IS108	SHUBHADA D BADACHI	
				1SG12IS024	M KAVYA	
B7	Protection of big data privacy	Prof. Prakruthi S T	10:15 to 10:30 am	1SG13IS066	NILESH KUMAR SHARMA	
				1SG13IS099	SHALILANAND MISHRA	
				1SG13IS125	VIVEKANAND	

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B15	Security enhancement for [illegible] in windows	Prof. Ravichandra M	12.15 to [illegible] pm	1SG12IS021	KAIFI ASIF
				1SG13IS064	NIKHIL G
B16	Captcha as graphical passwords a new security primitive based on hard AI problems	Prof. Sheetal Raj	12:30 to 12:45 pm	1SG13IS104	SHIVAPRASAD K L
				1SG13IS105	SHREEKAR J
				1SG13IS122	VARUN N
B17	Profiling Apache HIVE query from runtime execution logs	Prof. Gayathri R	1:30 to 1:45 pm	1SG13IS005	AKASH KUMAR P
				1SG13IS025	DHRUVA DANDIN
				1SG13IS032	HARDITH SUVARNA M
				1SG13IS050	MANJU KIRAN M
B18	Shoulder surfing resistant graphical authentication system in image processing	Prof. Gayathri R	1:45 to 2:00 pm	1SG13IS002	ABHINAV PANDEY
				1SG13IS028	DIVYA R
				1SG13IS058	NALINA K P
				1SG13IS059	NAMRATA KUMARI
B19	Internet of things powered Smart home security and automation system	Prof. Gayathri R	2:00 to 2:15 pm	1SG13IS061	NIDHI KUMARI
				1SG13IS096	SAUMYA SALONI
				1SG13IS107	SHRUTHI SANJAY
				1SG13IS119	TH. MRINALINI
B20	A parallel patient treatment time prediction algorithm and its application in hospital queuing recommendation in a big data environment	Prof. Prerana Chaithra	2:15 to 2:30 pm	1SG13IS007	AKSHAY SINGH
				1SG13IS016	AVINASH KUMAR JHA
				1SG13IS088	PUJA KUMARI
				1SG11IS023	KUMARI SUPRIYA
B21	Privacy Preserving Ranked Multi-Keyword Search for Multiple Data owners in cloud computing	Prof. Sunitha	2:30 to 2:45 pm	1SG13IS010	AMULYA A N
				1SG13IS040	KAVANA C
				1SG13IS053	MEGHANA MANDLI
				1SG13IS089	RACHANA D

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B8	Development of IoT based smart security and monitoring devices for agriculture	Prof. Prakruthi S T	10:30 to 10:45 am	1SG13IS069	NISHA KESHRI	
				1SG13IS085	PRIYANKA M S	
				1SG13IS095	SATHYAPRIYA V H	
				1SG13IS102	SHAMBHAVI SHUKLA	
B9	Threat Message detection using machine learning methods	Prof. Prakruthi S T	10:45 to 11:00 am	1SG13IS004	ADITHYAKUMAR C K	
				1SG13IS008	AMAN KUMAR	
				1SG13IS027	DIVYA B	
				1SG13IS046	LAXMI	
B10	Emotion based Music player	Prof. Ravichandra M	11:00 to 11:15 am	1SG13IS026	DILIPKUMAR	
				1SG13IS043	KUMAR PRIYADARSHI	
				1SG13IS048	MANISH KUMAR	
				1SG13IS049	MANISH KUMAR	
B11	Group messenger android application	Prof. Ravichandra M	11:15 to 11:30 am	1SG13IS003	ABHISHEK	
				1SG13IS009	AMIT SINGH	
				1SG13IS044	KUMAR VIKRAM	
B12	Re-encryption of cloud email using conditional identity based broadcast proxy	Prof. Prerana Chaithra	11:30 to 11:45 am	1SG13IS013	ASHA G N	
				1SG13IS017	CHAITRA N	
				1SG13IS034	HARSHITHA NATARAJ	
				1SG13IS035	HARSHITHA S	
B13	Public auditing for shared data with efficient user revocation in cloud	Prof. Sanjay Kumar J H	11:45 to 12:00 pm	1SG13IS011	ARCHANA C	
				1SG13IS020	CHHAVI ANUPAM	
				1SG13IS024	DEVIKA N	
				1SG13IS037	INDRANI R	
B14	Development of IoT device for traffic management system	Prof. SanjayKumar J H	12:00 to 12:15 pm	1SG13IS086	PRIYNAKA R	
				1SG13IS090	RANJITHA M	
				1SG13IS098	SHAFIYA TABASSUM	
				1SG13IS120	USHA N S	

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B22	PRIVACY-PRESERVING SET OPERATION IN BIG DATA FOR CLOUD-ASSISTED CROWDSOURCING	Prof. Sunitha	2:45 to 3:00 pm	1SG13IS081	POORNIMA M	
				1SG13IS100	SHALINI S R	
				1SG13IS112	SINDHU D R	
				1SG13IS117	SWETHA D	
B23	Information compression of big data using SP theory of intelligence	Prof. Vijay Kumar F G	3:00 to 3:15 pm	1SG13IS067	NISARGA N	
				1SG13IS073	PALLAVI B	
				1SG13IS121	USHA R	
				1SG13IS407	VIKAS KUMAR	
B24	SAEMS:SMART attendance and event management system for college	Prof. Vijay Kumar F G	3:15 to 3:30 pm	1SG13IS082	PRAJWAL V SHETTY	
				1SG13IS093	SAGAR S	
				1SG13IS103	SHASHIDHAR G JINAGA	
				1SG13IS111	SINDHOORA HEGDE	
B25	A threshold multi authority access control system in public cloud storage	Prof. Vijay Kumar F G	3:30 to 3:45 pm	1SG13IS083	PRANEET SINGH	
				1SG13IS109	SHUBHAM	
				1SG13IS118	SYED AEZAZ AHMED	
				1SG13IS123	VISHAL KUMAR	

Project Coordinator

Prof. Prerana Chaithra

Prof. Gayathri R.

HOD

Department of ISE

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APTHAGIRI COLLEGE OF ENGINE[illegible]G

Department of Electronics and Commu[illegible]ation

8th semester -PROJECT LIST

Academic Year 2016-17

Sl.No.	Batch No.	USN	Students Name	Project Title	Guides	
1.	1	Akshatha V.P.	1SG13EC401	Design and implementation of a miniaturised ECG System with Bluetooth connectivity	Mrs.Sandhya Rani M.H.& Ms. Varshini K	
2.		Chaitra G.C.	1SG13EC407			
3.		Shruthi B.J.	1SG10EC080			
4.	2	A. Nithin Kumar	1SG13EC001	Query Adaptive object search using object proposals and shape aware descriptors	Mr. Satish Murthy	
5.		Chithra H.S	1SG13EC027			
6.		Kavana S. Theertha	1SG13EC039			
7.		Raju B.L.	1Sg13EC129			
8.	3	Komala B	1SG13EC042	Fuzzy filters for noise reduction in color images	Mrs. Agalya P.& Mrs. Chaitra P.	
9.		Kavyashree K.T.	1SG13EC040			
10.		Arpitha H.S.	1SG13EC021			
11.		Aishwarya R.	1SG13EC007			
12.	4	Ambika R.B.	1SG13EC014	Image compression using lifting based wavelet transform coupled with SPIHT algorithm	Mrs. Shobha S.& Suma C.	
13.		Kalpana K.	1SG13EC036			
14.		Nancy M.	1SG13EC059			
15.	5	Priyanka G	1SG13EC077	Implementation of Reed Solomon encoder in Matlab	Mrs. Sasmita Mohapatra & Ms. Anitha Murthy	
16.		Shruthi B.	1SG13EC104			
17.		Swati Chougula	1SG14EC420			
18.	6	Anjali Raj	1SG13EC015	Li-Fi based intelligent voice communication	Mr. Ravi Shankar M.N.& Mrs.Vijaya Lakshmi	
19.		Archana Panigrahi	1SG13EC018			
20.		Harsh Kothari	1SG13EC033			
21.		Kushbu	1SG13EC041			
22.	7	Priya B.U	1SG13EC073	Real time cost Effective video oculographic system to assist the movement of the paralysed.	Mrs. Shobha H.	
23.		Sahana N	1SG13EC094			
24.		Shreya K Gurikar	1SG13EC103			
25.	8	Preeti K.	1SG14EC410	M2M architecture for intelligent public transit	Mrs. Sudha M.S.	
26.		Premanjali V.	1SG14EC411			
27.		Soujanya G.A.	1SG14EC417			
28.		Prajwala S.	1SG12EC072			
29.	9	V. Meghana menon	1SG13EC117	Bluetooth embedded robot for ploughing, seeding and grass cutting powered by solar energy	Mrs. Suma V Shetty	
30.		Srimoye Sanjoy Paul	1SG13EC110			
31.		Sukhpreeth Kaur	1SG13EC111			
32.	10	Roopa Aishwarya T. B.	1SG13EC092	Automated Book picking Robot for libraries	Mrs. Prathibha T.	

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74.	21	Rafi	3EC418	Power Line Communication ba... ...ter Reading with IOT Home Aut... ...ation	Mr. Satish Murthy	
75.		Suprith M.	...G13EC113			
76.		Venkatesh	...SG13EC120			
77.		Yeshwant	1SG13EC125			
78.	22	Abhishek N.R.	1SG13EC005	High Speed IEEE 754 Quadraple precision floating point Multiplier using verilog.	Mrs. Agalya P.	
79.		Adarsh S.	1SG13EC006			
80.		Manisha S.	1SG13EC053			
81.		Meghana H.V.	1SG13EC054			
82.	23	Soniya Yadav	1SG13EC108	RFID and zigbee based Library management	Mrs. Shobha S.	
83.		Priyanka N.H.	1SG13EC079			
84.		Pruthvi U.	1SG13EC080			
85.		Shyam Sebastin	1SG13EC106			
86.	24	Kushal Gowda	1SG13EC043	IOT based autonomous intelligent POD fort military purpose	Mrs. Sasmita mohapatra	No significant work / configuration
87.		Nithin J	1SG13EC065			
88.		Yogesh N	1SG12EC120			
89.		Diwakara	1SG14EC404			
90.	25	Priyanka M.	1SG13EC078	Smart campus tracker Alert	Mr. Ravi Shankar M.N.	Completed literature review.
91.		Sharan S.	1SG13EC093			
92.		Sushmitha R.	1SG13EC115			
93.		Spoorthi Y.	1SG13EC109			
94.	26	Pravesh P. Jain	1SG13EC071	Area power delay efficient 16 bit carry select adder design	Mrs. Shobha H.	
95.		Rakesh M. Peddi	1SG13EC086			
96.		Rahul Kumar V	1SG13EC082			
97.		Prashant Rajput	1SG13EC070			
98.	27	Karan Bharti	1SG13EC037	Implementation of Redundant carry save adder on FPGA	Mrs. Sudha M.S.	
99.		Neha Kamat	1SG13EC061			
100.		Minakshi Kumari	1SG13EC055			
101.		Namrata	1SG13EC058			
102.	28	Haripriya	1SG13EC035	A forest monitoring system based on GPRS and powered by IOT	Mrs. Suma V.Shetty	
103.		Manasa	1SG13EC050			
104.		Harshitha R.	1SG13EC034			
105.		Aman Makrani	1SG13EC013			
106.	29	Srinivas	1SG14EC418	M/C vision based automatic mango fruit sorting and grading based on maturity level and size	Mrs. Prathibha T.	Blurring & De-blurring
107.		Rakesh Bhat	1SG13EC084			
108.		Ravi	1SG14EC415			
109.		Sachin	1SG14EC416			
110.	30	Sanjay M.E.	1SG13EC096	Virtual shuffling keypad for secure ATMs using fingerprint and GSM technology literature Review Quality of slides block diagram 4 wire touch screen	Mr. Karthik N. C.	Completed LCD 4 touch screen test
111.		Rakesh J	1SG13EC085			
112.		Prajwal P.	1SG13EC067			
113.		Yogesh N	1SG13EC126			

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