

3.2.1
INSTITUTION
HAS
CREATED ECOSYSTEMS FOR
INNOVATIONS

Content

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

SL NO	DOCUMENTS
1	MHRD Innovation Cell Certificate
2	Sri Leo Muthu Innovation Centre projects
3	Proceeding books of conferences organised
4	Management support given to faculties those who are publishing & presenting the paper
5	Reports of Industrial visit
6	Conference presented papers
7	Reports of workshop, seminar, Guest lecture program, FDP, National level technical symposium.


 Co-ordinator

3.2.1 Institution has created an ecosystem for innovations including Incubation center and other initiatives for creation and transfer of knowledge

Sri Leo Muthu Innovation Centre has been set-up and is open 24×7 where our students work with their innovative ideas and build real-time projects/products. Our students from different disciplines come together with common objective of creating projects using cutting-edge technologies by integrating their engineering skills. The students are highly inspired and motivated to take-up challenging projects and work on them. They have also participated in various national and international level, well recognized events and competitions such as Smart India Hackathon project Competition etc., have also won attractive Cash prizes.

The institution has an exclusive IEDC cell with incubation Centre meant for **Project to Product** conversion and to run **Student Run Venture (SRV)** module. The INCUBATION CENTRE has the capacity of 4 work stations and all the amenities like WIFI and other infrastructure facilities in college premises.

Department of Mechanical engineering is recognized as the Research Centre by the University and is equipped with all the research facilities. College has a digital library with high speed Internet and have access to many National and International journals.

- The institution is taking continuous efforts to attract the best minds to visit the campus and interact with the student and faculty to create awareness on the various research opportunities in the emerging areas of science and technology.
- Our students are participating in all research activities like seminars, guest lectures, conferences, miniprojects & technical symposium etc.
- The students have published their papers in international and national journals and have also won prizes in various technical competitions at national level.
- A good number of National and International Conferences, Workshops, FDPs are regularly being organized within the campus to update our knowledge on par with industry standards
- Cash awards has been given to the faculty members for their research publication for both national /international journal publications.
- Faculty members are guided for getting the funded project and the required motivation is given for implementing the funded projects.
- Entertaining faculty Members for industrial consultancy projects in their field of expertise through Industry Institute Interaction Cell.
- College subscribes are provided with free subject journals, e-journals and other online resources. Industrial visits & Study tours are regularly arranged to enhance the student's subject knowledge. Soft skill development programs for the final year students are also conducted to improve their communicating abilities.
- Management continuously motivates the students and the faculty members for presenting their papers in international conferences with partial sponsorships.



MHRD'S
INNOVATION CELL
GOVERNMENT OF INDIA



INSTITUTION'S
INNOVATION
COUNCIL



CERTIFICATE

Institution Innovation Council (IIC) established at

SRI SAIRAM COLLEGE OF ENGINEERING, BANGALORE

had undertaken various activities prescribed by Innovation Cell, Ministry of HRD, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2018-19.

Prof. Anil D. Sahasrabudhe
Chairman, AICTE

Shri. R. Subrahmanyam
Secretary, MHRD

Dr. Abhay Jere
CIO, MHRD, Innovation Cell



Sri Leo Muthu **Innovation** **Centre**

Engineering today is the most versatile profession in the world, where anything is almost become possible. The world has seen great innovation and technology transformations in the recent few decades. Similarly, the expectations from Engineers are increasing and it is high time engineers to take-up a role as innovators, contribute towards the mankind for a better tomorrow.

At Sri Sairam College of Engineering realizing the above need and to bring in interest factor among the students about the latest technology and as an attempt to make our students learn through innovations, we started this **"SRI LEO MUTHU INNOVATION CENTRE"** during the Academic Year 2015-16.

Sri Leo Muthu Innovation Centre has been set-up like a lab and is open 24×7 where our students can work on their innovative ideas and build real projects/products. Here our students from different disciplines come together with a common objective of creating projects using cutting-edge technologies by integrating discipline engineering skills.

As a result, the students now are highly inspired and motivated to take-up challenging projects and work on them out of passion and not just that. They have also participated in various national and international level, well recognized events and competition.

SRI LEO MUTHU INNOVATION CENTER



SRI LEO MUTHU INNOVATION CENTER - CSE WING

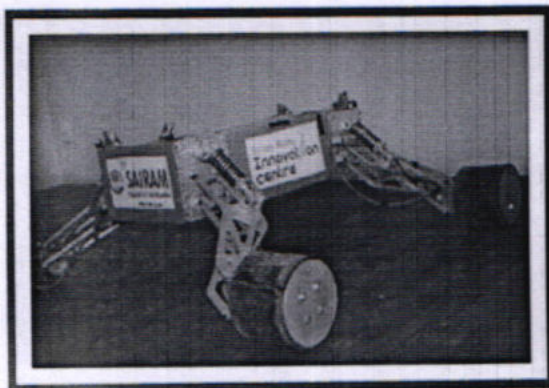


SRI LEO MUTHU INNOVATION CENTER - EMBEDDED



INTERNATIONAL PROJECT COMPETITIONS

TEAM	EVENT	ORGANIZER	PLACE	STATUS
VARUNA AUTONOMOUS UNDER WATER VEHICLE TEAM	Singapore Autonomous Underwater Vehicle (SAUV) challenge	National University of Singapore	Singapore	The team excelled and was highly appreciated for their innovative design under the category of less weight (≤ 38 Kgs), compact shape and size, electronics innovation and customized thrusters.
ADITI	GLOBAL SPACE AND TECHNOLOGY CONVENTION (GSTC) 2019 & SINGAPORE SPACE CHALLENGE 2019 REPORT	The Singapore Space Challenge (SSC)	SINGAPORE	Totally 40 teams participated in the Singapore space technology from all over the world. Out of this 6 teams shortlisted for the pitching session in Global Space and Technology Convention (GSTC) 2019. We are one among them. Judges are highly appreciated about the design and gave suggestion for the improvements.
RAKSHAQ	UNIVERSITY ROVER CHALLENGE	NASA	USA	Completed PDR
RAKSHAQ	EUROPEAN ROVER CHALLENGE	NASA	EUROPE	Completed PDR
NAKSHATRA	CANSAT EVENT	NASA	USA	Completed PDR
Team Drone	Masterpiece 2018	Living talent	Dubai	Around 75 projects selected from the international level for the Living Talent Masterpiece 2017 event in the innovation category. Out of which only 43 projects were presented in the event. Our Project is one among them.
SAIRAM RESCUERS DRONA VARUNA	IEEE YESIST 12 MAKERS FAIR	IEEE	Bangkok, Thailand	In this international event about 16 different countries in the world were participated and showcased their ideas in an international platform. The different countries participant
Swatch Bharath Abhiyan	7 th International Competition	VELTEC Dr.RR& Dr SR University	INDIA	Won 1st Prize with Cash Reward of Rs.10,000/-



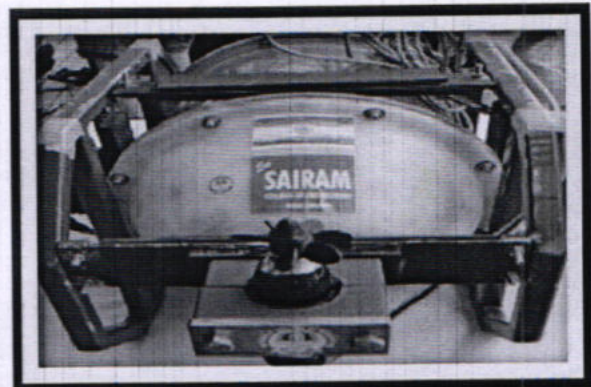
ROVER CHALLENGE
EUROPE & USA



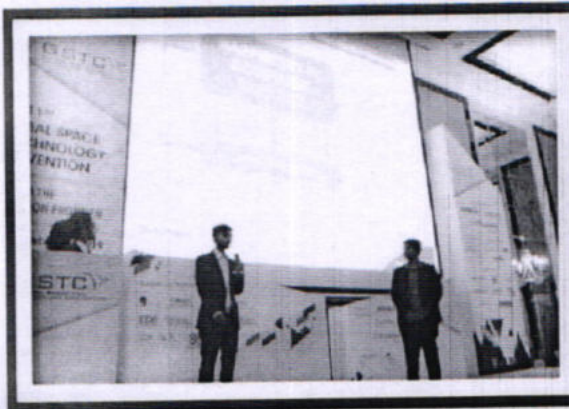
SWATCH BHARATH ABHIYAN
INDIA



MASTERPIECE 2018, DUBAI



SAUV CHALLENGE, SINGAPORE



GSTC 2019, SINGAPORE



IEEE YESIST 12 MAKER FAIR
THAILAND

NATIONAL PROJECT COMPETITIONS

TEAM	EVENT	ORGANIZER	PLACE	STATUS
Sairam warriors	SIEGER KARTING CHAMPIONSHIP	SIEGER INNOVATION	KAKINADA (ANDHRA PRADESH)	Won the best technical inspection award with 5000 cash prizes.
	VKC 2017	Shri Vishnu Engineering College	BHIMAVARAM (ANDHRAPRADESH)	Won Overall Runners-up with Rs. 45,000 cash prizes.
RAIDERS EBIKE TEAM	(RISC)-LPU Indo Asian e-bike challenge 2016	LPU	JALANDHAR (PUNJAB)	Overall 5th position, autocross 2nd position, Weight 4th position 3rd acceleration
	Vishnu Emotor Championship	Shri Vishnu Engineering of College	BHIMAVARAM (ANDHRA PRADESH)	Won Overall Championship, Winners in endurance and autocross rounds. 3rd position in Autocross and Endurance. Secured 4th Position in Virtual Design out of 60 Teams with Rs. 1 Lakh Cash Prize.

	E- Bike Lightning	Leo Motorsports	COIMBATORE (TAMILNADU)	Won Overall Best Design Award with Rs. 10,000 cash Prize
	KARNATAKA STUDENT INNOVATOR AWARD 2017	ICT ACADEMY	BANGALORE (KARNATAKA)	Won Rs15000 cash prize.
	Asian e-bike challenge 2018	Imagine to innovate	HYDERABAD (ANDRA PRADESH)	Won best quality vehicle, surprise vehicle, runner-up in autocross and skid pad round
MECHROCKZ GOKART TEAM	VKC 2016	Shri Vishnu Engineering College	BHIMAVARAM (ANDHRA PRADESH)	Team cleared the technical inspection as 3rd team, 2nd team in business plan and rain test. Team secured 2nd position in virtual design and endurance rounds, 4th position in innovation, and 5th position in weight test and overall ranking in the national event. Team showed the drastic performance in endurance round and driver Prasanna Venkatesh covered 40 laps.
	ISIE Indian Karting Championship	ISIE Sri Krishna College of Engineering and Technology	COIMBATORE (TAMILNADU)	Team won the ISIE futuristic Award with Rs. 40,000 cash prize, First position in Best Design and 4th Position in Overall ranking in the National event out of 55 teams and 1st Position in Karnataka out of 7 teams. Team cleared the technical inspection as 3rd team and showed drastic performance in all the events.
	MVJ championship	MVJ College	BANGALORE (KARNATAKA)	Overall 3rd position
	VKC 2017	Shri Vishnu Engineering College	BHIMAVARAM (ANDHRA PRADESH)	Won Best Driver Award, Skid Pad Winner and Autocross rounds with Rs. 30,000 cash prizes.
	SIEGER KARTING CHAMPIONSHIP-2017	SIEGER INNOVATION	KAKINADA (ANDHRA PRADESH)	Overall third position, 2nd position is autocross, acceleration and skid pad rounds
	SIEGER KARTING CHAMPIONSHIP-2018	SIEGER INNOVATION	KAKINADA (ANDHRA PRADESH)	Won the best technical inspection award with 5000 cash prizes
	Gokart event	Imagine to innovate	VIZAG (ANDHRA PRADESH)	Women empowerment award, Best poster design award
	Split Second Karting	Leo Motorsports	COIMBATORE (TAMILNADU)	Won Overall Best Design Award with Rs. 10,000 cash Prize

ASHWA SOLAR VEHICLE TEAM	ISIE Electric solar Vehicle Championship 2016	RPM International Racing Circuit, Ratibad Bhopal	BHOPAL MADHYA PRADESH	Our team ASHWA secured 16th position in ISIE ESVC event out of 76 teams.
	(RISC)-LPU Indo Asian Solar Vehicle challenge 2016	LPU	JALANDHAR (PANJAB)	Our team ASHWA secured 9th position in brake and acceleration and won the endurance a runner up in (RISC)-LPU with the cash prize of Rs. 10,000 out of 36 teams.
	ELECTRIC SOLAR VEHICLE CHAMPIOSHIP' 17	ISIE	DELHI	Won Best Solar Performance Award, Go Green Award, Future team Award with Rs. 1,10,000 cash Prize
	(RISC)-LPU	LPU	PATNA	Won the 2nd runner up
	(RISC)-LPU Indo Asian Solar Vehicle challenge 2018	LPU	PATNA (BIHAR)	Won Best Solar Performance Award with Rs. 10,000 cash Prize and 2nd Overall 4th Position
SUPERSCHNELL BAJA	SAE BAJA 2018 VIRTUAL	SAE	DELHI	Virtual round results <ul style="list-style-type: none"> Overall 125th Position and 12th position in Karnataka In New entry team category 34th Position and 4th position in Karnataka In Dynamic round overall 96th Position and 7th in position Karnataka
SHITHIJ RC CRAFT TEAM	RC Craft Championship	Techno Xian	Delhi	Event Completed
	SAE AERO DESIGN	SAE	CHENNAI (TAMILNADU)	Event Completed
VARUNA AUTONOMOUS UNDER WATER VEHICLE TEAM	Students Autonomous Underwater Vehicle challenge (SAVe2016)	Nation Institute of Ocean Technology	CHENNAI (TAMILNADU)	The team excelled and was highly appreciated for their innovative design under the category of less weight (< 38 Kgs), compact shape and size, electronics innovation and customized thrusters.
TEAM DRONA	Quadcopter Challenge	Technoxian	DELHI	Event Completed
	SAEISS Aero Design Challenge-2019	SAEINDIA	CHENNAI (TAMILNADU)	There were about 146 teams were registered for event around 125 teams were sussesfully build the model. OVERLALL 75TH POSITION

VARUNASTHRA SUPRA TEAM	SAE STUDENTS FORMULA SUPRA 2017	SAE	DELHI	Event Completed
	SAE STUDENTS FORMULA SUPRA 2018	SAE	DELHI	We had secured 4th Position in Karnataka level Overall 52nd Position out of 128 teams in the SAE Supra 2018.
	STUDENTS FORMULA RACE	FMAE	Coimbatore (TAMILNADU)	Team successfully participated in the event
Rakshaq	INDIAN ROVER CHALLENGE	NASA	Vellur (Tamilnadu)	Team Secured first position in conception Design Report
SAIRAM RESCUERS	ANVESHNA	ANVEHANA	BENGALURU KARNATAKA	In first round, out of 350 team, 75 teams were shortlisted. In the second round they shortlisted 45 teams in that we are one among them. Out of this 45 teams our team secured overall second position with Rs.25000/-
* Neck movement wheelchair using IOT*	INNOVATION FESTIVAL PROGRAM 2019	VISVESVARAYA INDUSTRIAL & TECHNOLOGICAL MUSEUM	BENGALURU (KARNATAKA)	In first round, out of 400 team, 20 teams were shortlisted. Out of this 20 teams our team secured runner-up with Rs.1000/cash prize.
	"PROJECT EXPO 2K19"	Adhiyamaan college of engineering	HOSUR (TAMILNADU)	won the best project award and cash prize of Rs. 3000/-
* Krushi Robot*	"PROJECT EXPO 2K19"	Adhiyamaan college of engineering	HOSUR (TAMILNADU)	won 3rd prize and a 16 GB pen drive as token of appreciation.
"AGRIBOT".	CSI Region 5 th Student convention	JSS Academy	BENGALURU (KARNATAKA)	Won 2 nd Place with Cash Reward of Rs. 6,000/-
SWA-PRA	AAKAAR 2017	IIT,	Bombay (Maharashtra)	Event Completed
	National Level Technical Symposium in project Competition	AMC Engineering College	BENGALURU (Karnataka)	Won First and Second Runner up prizes
	7 th International Competition	VELTEC Dr.RR& Dr.SR University	CHENNAI (TAMILNADU)	Won 1st Prize with Cash Reward of Rs.10,000/-
PATH HOLE DETECTION SYSTEM	VISAI 2019	VELTECH	CHENNAI (TAMILNADU)	Event Completed
DATA PROTECTION ON SMART MIRROR				

ELENTHRO	National level Dr.APJ Abdul Kalam Innovation Ecosystem contest	SRI SAIRAM ENGINEERING COLLEGE	CHENNAI (TAMILNADU)	Won 1st Prize with Cash Reward of Rs.1,00,000/-
Avkrikaa	VTU project competition	VTU	BELGAUM (KARNATAKA)	Event Completed
ECO SMART - DRY ECO WASTE PROCESSING UNIT	MITSUBISHI ELECTRIC CUP CHAMPIONSHIP	Vishwakarma Institute of Technology	Pune (Maharashtra)	Event Completed



SAIRAM WARRIORS



ASHWA SOLAR VEHICLE TEAM



SHITHIJ RC CRAFT TEAM



MECHROCKZ GOKART



SUPERSCHNELL BAJA



RAIDERS EBIKE TEAM



NECK MOVEMENT WHEELCHAIR USING IOT



KRUSHI ROBOT



AGRIBOT



SWA-PRA



PATH HOLE DETECTION
SYSTEMSINGE



SMART NEW GEN
ELECTRICITY FOR SMART CITY



AVKRIKAA



TEAM DRONE ECO



SMART -DRY ECO WASTE
PROCESSING UNIT

FUNDED PROJECTS BY GOVERNMENT

PROJECT NAME	FUNDING AGENCY	FUND RECEIVED	Year of Award
AERIAL VEHICLE EQUIPPED IMAGE PROCESSING FOR MAINTENANCE OF PV PANEL AND SECURITY SYSTEM(AVIMPS)	KSCST	6000	2019
REAL TIME BIG DATA ANALYSIS FOR DAY TRADING	VTU	5000	2019
SMART ROAD DIVIDER USING IOT	VTU	5000	2019
design and fabrication of multipurpose unmanned ground vehicle	VTU	5000	2019
design and fabrication of autonomous robotic fish	VTU	5000	2019
Anti -poaching of trees using wireless sensor nodes with internet of things	VTU	5000	2019

Integration with moisture meter	IEDC-DST	100000	2018
Smart health CARE using ANDROID	IEDC-DST	100000	2017
Smart helmet	IEDC-DST	100000	2017
Tap me	IEDC-DST	100000	2017
SNCE	KSCST	4000	2017
Public water supply grid monitoring to avoid tampering and water man fraud using iot	KSCST	5000	2017
Environment noise & pollution energy monitoring system	SIEGER INNOVATION	600000	2017
Fabrication of multiseater solar vehicle	IEDC-DST	100000	2016
Agrikart- a new revolution	IEDC-DST	100000	2016
Robotic arm	IEDC-DST	100000	2016
E-bin waste separation	KSCST	5000	2016
Senior security supervise system	IEDC-DST	100000	2016
Krushirakshak	IEDC-DST	100000	2016
Vovfiero	VGST	40000	2016
"design and fabrication of solar and wind hybrid powered automatic pumping and purification of water for rural and remote place application (hippu)"	IEDC	100000	2016
Bore well child rescue robot	IEDC	100000	2015
Virtual controller	IEDC	100000	2015
Wireless charging of mobile phones using microwaves	IEDC-DST	100000	2015
Suvidhan	IEDC-DST	100000	2015
I glove	KSCST	4000	2015
Centralized blood bank database using GPS mobile system	IEDC-DST	100000	2015

Beap	IEDC-DST	100000	2015
Piracy cop-film piracy avoidance using infrared technology	KSCST	5000	2014
Monitoring vehicle's exhaust	IEDC-DST	100000	2014
Fu-sure Instro	VGST	30000	2014
Detection of fake note within an ATM machine	KSCST	6500	2014
WifiAmbiquation to charge pacemaker	KSCST	7500	2014
Electrical energy harvesting tiles based on hybrid piezoelectric technology	IEDC-DST	100000	2014
Shur - smart heating using a Refrigerator	KSCST	3500	2014
Intelligent device for safety of women, mentally and physically challenged ladies and children using embedded system	IEDC-DST	100000	2014
Sensor to detect air quality in lmv's	IEDC-DST	100000	2013
Technology for electrical management in automobiles	IEDC-DST	100000	2013
Magicorullstol - a wheel chair for completely limbless persons	VTU	5000	2013

Title of the Project:

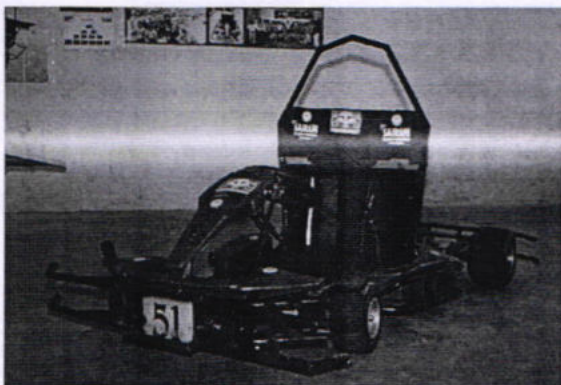
TEAM MECHROCKZ GOKART VEHICLE TEAM

Team Leader:

- Mr. ARAVIND R(Captain)
- Mr. HEMANTH C REDDY (Vice Captain)

Team Members:

- | | |
|---------------------|-------------------|
| • BENEDICT ANTONY A | • AJITH M |
| • ARUN PRASATH M | • MANI BHARATHI K |
| • HARI PRASATH D | • NATARAJAN B |
| • SANTHOSH KUMAR S | • ARIF KHAN |
| • MADHAN S | • SIVA SANKAR C |
| • SAMITH S | • AATIQ SHAFIQ |
| • PRAVEEN RAJ R | • C G OMPRAKASH |
| • ARUN KUMAR P | • KARRUPUSAMY |
| • GUNDALA SRIHARI | |



Title of the Project:

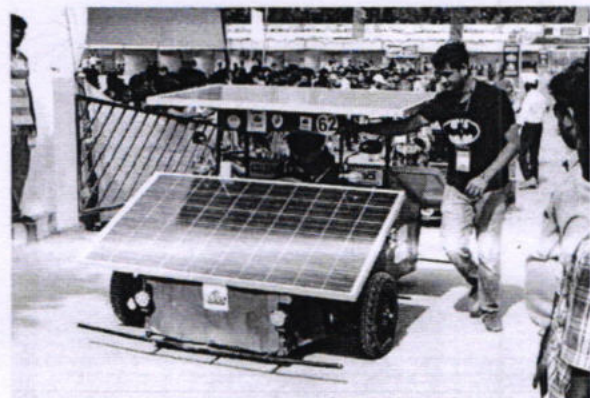
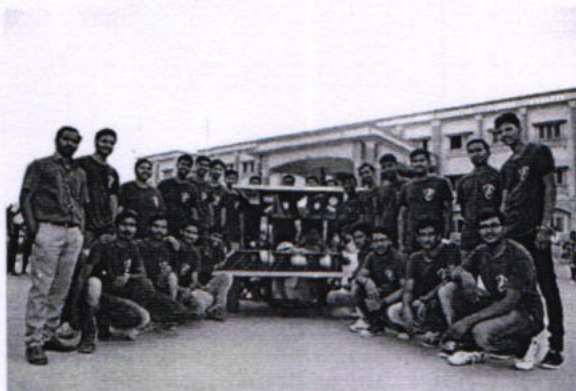
TEAM ASHWA SINGLE SEATER SOLAR VEHICLE

Team Leader:

- MONISSH BABU K & DIVAKARA A P (c)
- DIVAKARA A P & MONISSH BABU K (VC)

Team Members:

- | | |
|------------------|--------------------------|
| • MD.SUHAIL | • AKASH |
| • MONIKA | • BHARATH.P.K |
| • ESHWAR | • ABHISHEK |
| • RAVINDRA REDDY | • ARAVIND |
| • JAGADISH | • HARIKRISHA |
| • PRAKRUTHI | • MALLIKARJUN RADDY |
| • SUSHMITA | • CHANDARSHEKAR V |
| • SHRIDHAR.V | • HITESH KUMAR CHOUDHARY |
| • SANDEEP.R.I | |



Title of the Project:

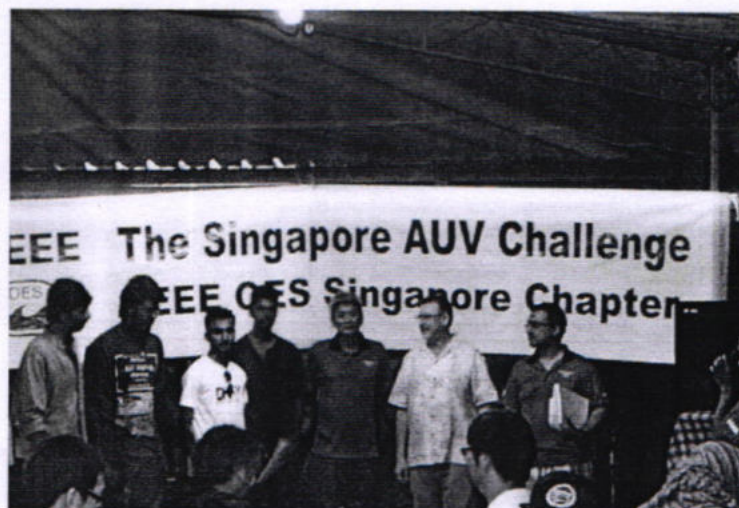
TEAM VARUNA AUTONOMOUS UNDERWATER VEHICLE

Team Leader:

- Mr. AnoopDaewoo (Captain)
- Mr. KishoreKumar.S (Vice Captain)

Team Members:

- Dhananjay
- Kusuma.P
- Jeevan.N.Rudrappa
- AnishVaishnav
- Mohammad Ismail
- Kavya
- Krishnamurthy



Title of the Project:

RAIDERS ELECTRIC BIKE TEAM

Team Leader:

- MONISSH BABU K (C)
- PURANDARRAJ and MALLIKARJUN REDDY (VC)

Team Members:

- | | |
|----------------------|------------------------|
| • DARSHAN | • PAVAN KUMAR |
| • GEERA RAKESH KUMAR | • BALAJI |
| • CHANDRASHEKAR | • HITESH |
| • DIWAKAR | • MUBARUKH |
| • KARTHIK N | • VISHNU VARMAN |
| • KARTHIK J R | • GURU GANESH |
| • KARTHIK B | • M RAJA |
| • NARINDAR | • POOSA MADHUKARAREDDY |
| • SURYA | • KISHORE KUMAR |
| • VENKATESH | • VIJAY |
| • VARUN KUMAR | • BHAVYA SHREE. |
| • MANISH KUMAR | |



Title of the Project:

SAIRAM WARRIORS WOMEN'S GOKART TEAM

Team Leader:

- Miss. VIDYA M R (CAPTAIN)
- Miss. DIVYA G (VICE CAPTAIN)

Team Members:

- | | |
|------------------|-------------|
| • VIDYA M R | • CHAITHRA |
| • DIVYA G | • MANUSHREE |
| • SHYLA N | • BHOOMIKHA |
| • MADHURI | • KAVYA V |
| • ANUSHA | • KAVYA N |
| • BHAVYA SHREE R | • MAMATHA |
| • ARCHANA | • KRITHIKA |
| • ABHILASHA | • ANGALI V |
| • CHANDHINI | • RAMYA G |



Title of the Project:

SAIRAM RESCUERS BORE WELL CHILD RESCUE ROBOT TEAM

Team Leader:

- Darshan N K

Team Members:

- Purandarraj S
- Monish Babu K
- Hemanth C Reddy

Faculty advisors:

- Dr. Sivasakthi Balan
- Prof. Muthuvel.A
- Prof. Harish Babu L



Title of the Project:

SUPERSCHNELL ALL-TERRAIN VEHICLE TEAM

Team Leader:

- VAGEESH P (C)
- PURANDARRAJ S (VC)

Team Members:

- | | |
|-----------------|----------------|
| • PRAVEEN KUMAR | • SANTHOSH |
| • DARSHAN | • YAHYA AHMED |
| • RAJASHEKAR | • SATHISH |
| • RAKESH | • ARIF KHAN |
| • ADARSH | • SUPREETH |
| • PAVAN KUMAR | • RANJITH |
| • TEJA SIMHA | • SHASHANK |
| • MONISSH BABU | • ARAVIND |
| • NITHIN KUMAR | • SHEKAR |
| • VARUN KUMAR | • BHAVYA SHREE |
| • BASAVARAJ | • VIDHYA. |
| • VIDYASAGAR | |



Title of the Project:

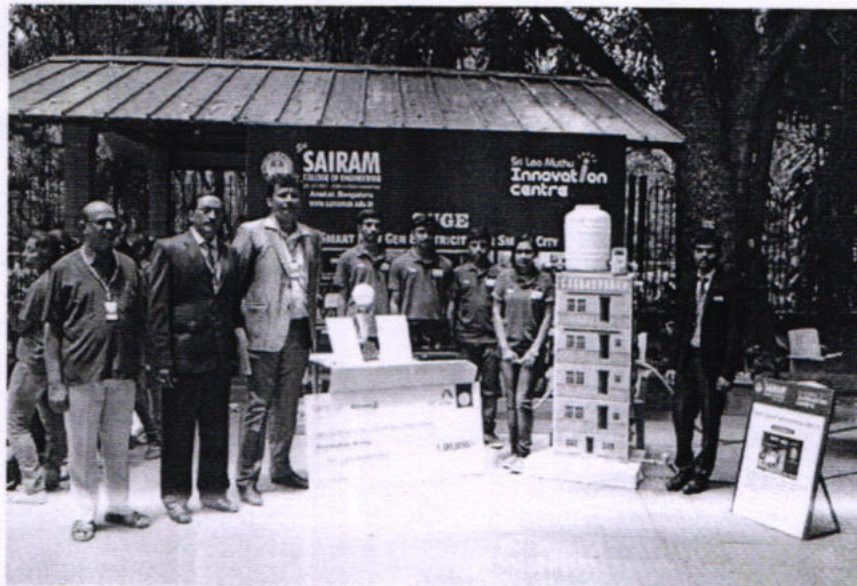
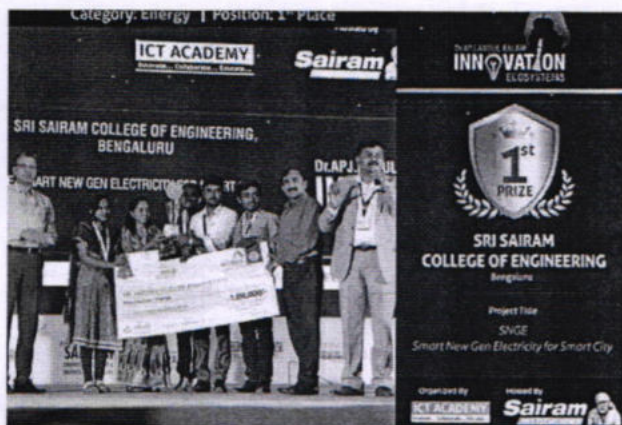
SNGE-Smart New Gen Electricity for Smart City

Team Leader:

- RAJESH S

Team Members:

- PRIYANKA N D
- VINOD RAJ P
- YESHWANTH S



Title of the Project:

MULTI SEATER SOLAR VEHICLE

Team Leader:

- MONISSH BABU (Captain)
- DIVAKARA A P (Vice Captain)

Team Members:

- | | |
|------------------|---------------|
| • MD.SUHAIL | • SHRIDHAR.V |
| • MONIKA | • SANDEEP.R.I |
| • ESHWAR | • AKASH |
| • RAVINDRA REDDY | • BHARATH.P.K |
| • JAGADISH | • ABHISHEK |
| • PRAKRUTHI | • ARAVIND |
| • SUSHMITA | • HARIKRISHA |



Title of the Project:

QUADCOPTER TEAM

Team Leader:

- Mr. HEMANTH C REDDY (Captain)
- Mr. MANU M (Vice Captain)

Team Members:

- AKSHAY R
- BALAJI M
- JEEVAN K B
- SACHIN KUMAR G K
- DIGVIJAY KUMAR
- NANDINI N
- NAGARANI K
- MANOHAR R



Title of the Project:

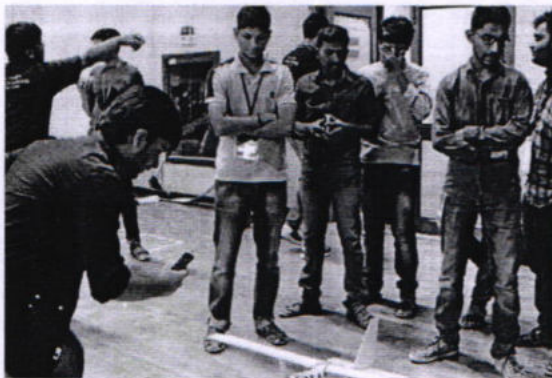
RC CRAFT

Team Leader:

- Mr.N VIDYASAGAR(Captain)
- Mr. JEEVAN K B(Vice Captain)

Team Members:

- JEEVAN K B
- RAKHESH
- AKSHAT JOSHI
- ALOK SHOME
- DIGVIJAY KUMAR
- SHANTIVEERAYYA S
- RAVINDRA N



Title of the Project:

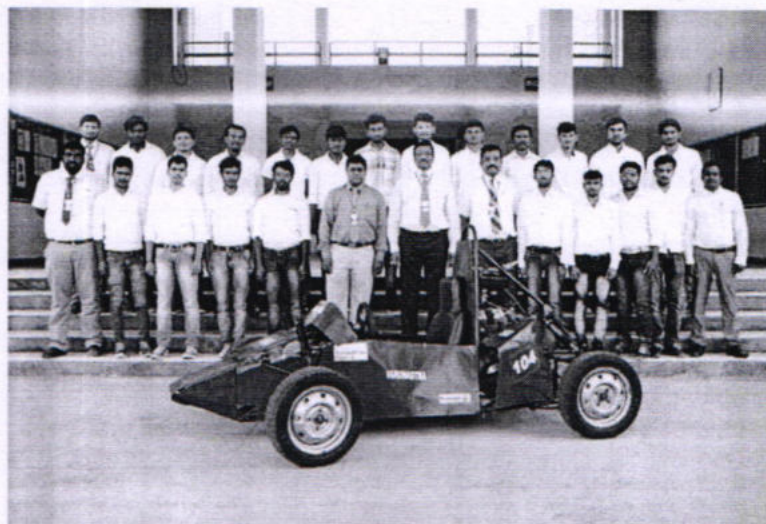
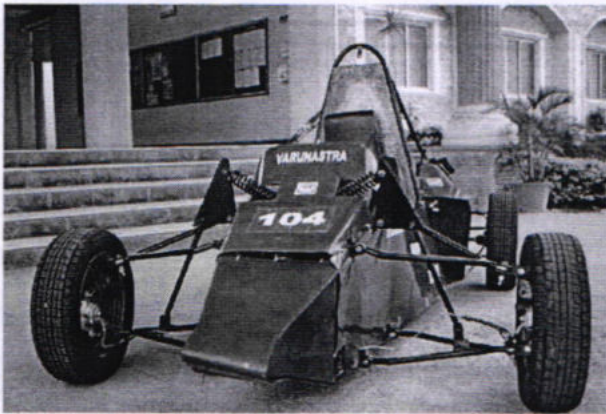
VARUNASTRA FORMULA VEHICLE

Team Leader:

- VAGEESH P (C)
- VARUN KUMAR G (VC)

Team Members:

- | | |
|------------------|-----------------|
| • RAJASHEKAR | • AKASH M R |
| • PAVAN KUMAR | • VISHWAS |
| • TEJA SIMHA | • PURANDARRAJ S |
| • SANTHOSH | • ABILASH |
| • YAHYA AHMED | • RAKESH |
| • SATHISH | • RAVI VARMA |
| • SUPREETH | • SRINIVAS |
| • RANJITH | • JAFFER |
| • SHASHANK | • MITHUN |
| • SHEKAR | • RAVI KIRAN |
| • MADHAN KUMAR L | |



EDU-VISTA

Team Leader:

Mr. Suraj S (Team Head)

Team Members:

- Spoorthi S
- Navya
- Nithin Kishore
- Shubam Agarwal
- Sourabh Kumar
- Vinod
- Sujith
- Jaswanth

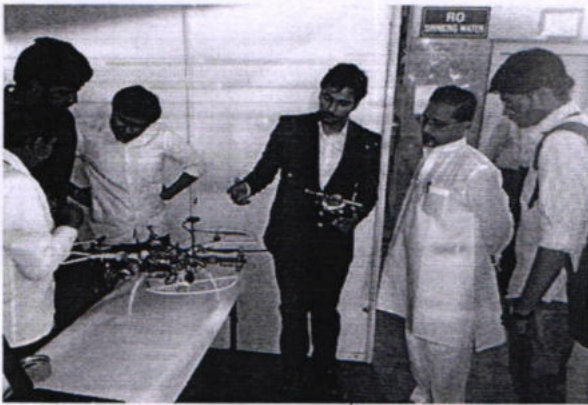


NIVARTAKA

Team Leader:Mr. Anoop(Team Head)

Team Members:

- Hemalatha
- Swetha B
- Princess R
- Niharika
- Manasa



SWATCHCH BHARATH

Team Leader: Ms.Gowri Chandra N(Team Head)

Team Members:

- Chaithra G
- Bharadwaj B
- Kumudha M
- Adithya
- Dhanya



Title of the Project: KRUSHI ROBTER

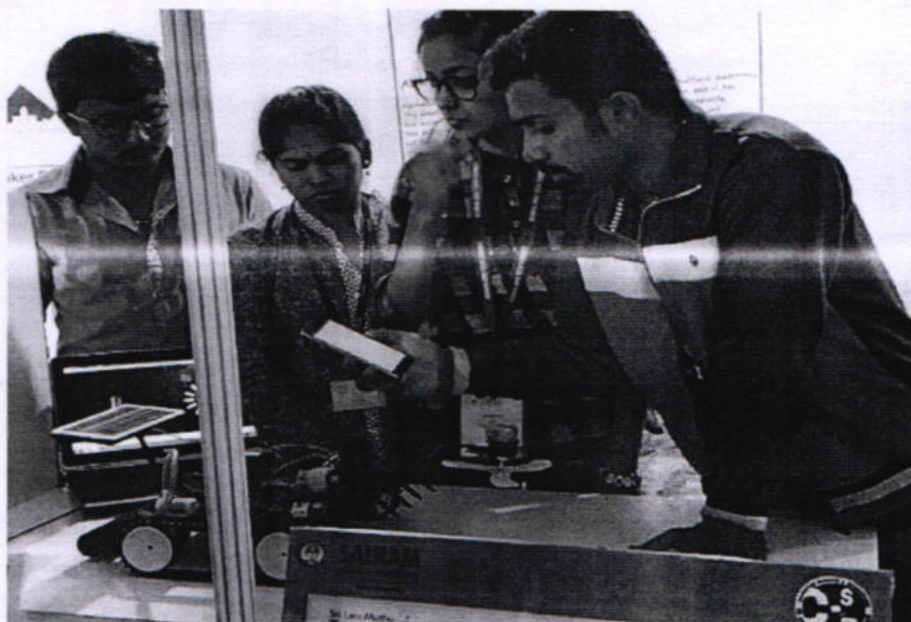
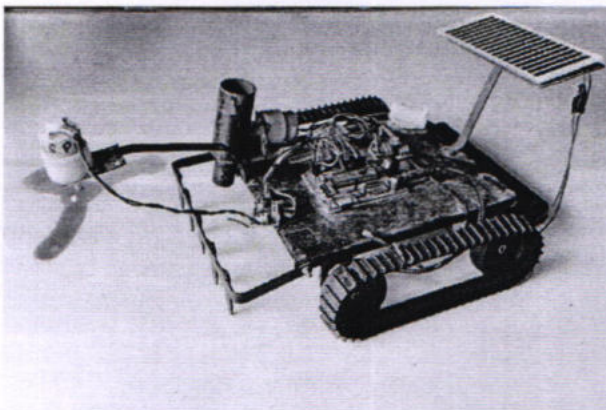
Team Leader: Ranjitha V(Team Head)

Team Members:

- Madhusudan R
- Ramya M
- Ranjith C
- Rakshak
- Neetha Nayak
- Sharavathi
- Vrishab Sharma

Faculty advisors :

- Prof. Sowmya A M
- Prof. Arpitha
- Prof. Sowjanya



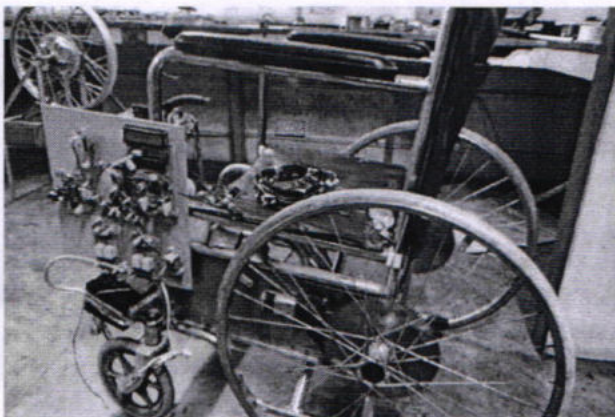
Title of the Paper :Silla De-Ruedas

Team Members:

- Aishwarya M
- Rakesh Kumar Yadav G
- V K Manasa
- Sujay
- Santhosh
- Srilakshmi
- Sumol
- Harikaha
- Meghna
- Surya
- Priyanka

Faculty advisors :

- Prof.Reji Thomas
- Prof. Pradeepa C
- Prof. Nisha M S





Sri

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COLLEGE OF ENGINEERING
Anekal, Bengaluru

ISO 9001:2015 certified Institution
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15/02/2018

To
The Principal,
SSCE, Anekal.

Respected Sir,

Subject: Request - Ground Preparation work - **What Next** programme - Reg.

With Reference to the above mentioned subject, hereby I am requesting you to permit me to start ground work on **What Next** programme, a CSR activity in Indlawadi Government High School to be scheduled on 22.02.2018

In this regards, I am requesting you consider my request and kindly do the needful.
Thanking you,

Yours Sincerely

(Madhava Rao J.)

ICASET-17

18th - 19th May 2017

Anekal, Bengaluru



3rd International Conference
on

Applied Science Engineering and Technology

Organized by:

Sri Sairam College of Engineering, Anekal, Bengaluru.
and
Institute For Engineering Research and Publication(IFERP)

ISBN: 978-81-932966-0-8

3rd International Conference on Applied Science Engineering and Technology

18th - 19th May '17 Bengaluru, Karnataka

Fingerprint Ignition and Security System

Halesha H R, Assistant Professor, Department of ECE, Sri Sairam College of Engineering, Ankal, Bengaluru - 562 106

Uday M, UG Scholars, Dept. ECE, Sri Sairam College of Engineering, Ankal, Bengaluru - 562 106

Ravi Kumar S, UG Scholars, Dept. ECE, Sri Sairam College of Engineering, Ankal, Bengaluru - 562 106

Ramesh J, UG Scholars, Dept. ECE, Sri Sairam College of Engineering, Ankal, Bengaluru - 562 106

Ravi kiran V, UG Scholars, Dept. ECE, Sri Sairam College of Engineering, Ankal, Bengaluru - 562 106

Abstract:—

To develop an embedded system for vehicle security and to operate the vehicle through biometric as well as GSM by increasing the security in parking areas and also to inform a user through GSM modem. Security is of primary concern and in this busy, competitive world, human cannot find ways to provide security to his confidential belongings manually. Instead, he finds an alternative which can provide a full fledged security as well as atomized. In the ubiquitous network society, where individuals can easily access their information anytime and anywhere, people are also faced with the risk that others can easily access. Security is of primary concern and in this busy, competitive world, human cannot find ways to provide security to his confidential belongings manually. Instead, he finds an alternative which can provide a full fledged security as well as atomized. In the ubiquitous network society, where individuals can easily access their information anytime and anywhere, people are also faced with the risk that others can easily access. Because of this risk, personal identification technology, which can distinguish between registered legitimate users and imposters, is now generating interest. The most secured system is fingerprint recognition because a fingerprint of one person never matches the other. This proposed system is a fine combination of "Biometrics technology" and "Embedded system technology". Fingerprint sensor is the main part of this system. It makes use of Biometric sensor to detect fingerprint. It is also called as Biometric sensor. Fingerprint sensor uses various types of techniques like ultrasonic method, optical method or thermal technique. In this project we have used optical fingerprint sensor. Main blocks of this project are Microcontroller, Fingerprint module, PIR sensor, Tilt sensor, GSM module, LCD display, Relay.



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IFERP
innovating engineers... developing research

**3rd International Conference on
Applied Science Engineering and Technology (ICASET-17)**


18th - 19th May 2017, Anekal

★ ★ ★

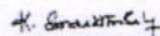
CERTIFICATE

PARTICIPATION

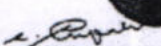
This is to certify that Halesha H R
of Sri Sairam College of Engineering, Bangalore presented
his/her research paper titled FINGERPRINT IGNITION AND SECURITY SYSTEM
during 3rd International Conference on
Applied Science Engineering and Technology (ICASET-17) held at Sri Sairam College of Engineering, Anekal
on 18th - 19th May 2017.

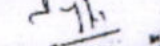

Mr. Rudra Bhanu Satpathy
Director
IFERP




Dr. K. Sivasakthi Balan
Prof. & Head (Mech.)
SSCE, Anekal




Prof. C. Sivaprakash
Prof. & Head (ECE)
SSCE, Anekal


Dr. Y. Vijaya Kumar
Principal
SSCE, Anekal

Dr. Y. Vijaya Kumar
Principal
Sri Sairam College of Engineering
Sri Sairam Engineering Park,
Anekal, Bengaluru - 560 028

ABOUT THE INSTITUTION

Founded in 1997, by M.J.F. Lion Leo Muthu, Chairman of Saphthagiri Educational Trust, is a non-Profitable and non-minority institution. Located within the Bangalore city limits, Shirdi Sai Engineering College is reckoned for its academic excellence and shaping world class engineers in Engineering Sciences. It is a affiliated institution of Visvesvaraya Technological University. SSEC is an inspirational place to study in which everything from classroom to laboratories, hostel to cafeteria is state-of-the art. The labs and other facilities are among the best in the region making it one of the most sought after institutions by parents and students. The ultra modern computer labs with latest software and hardware make it a learning heaven for IT enthusiasts. Teaching rooms and work areas are well furnished and equipped with modern up-to-date facilities. Shirdi Sai Engineering College has been developed into a reputed Engineering Institution with ISO 9001 : 2008 Certification. The Training and Placement Cell, an integral part of the institute functions with the primary aim of placing students in top-notch companies and having an exposure to a good work culture, guarantees success in all their endeavors. The campus is spread over 50 acres of landscape with calm & lush green surroundings located 18km from Electronic city, Bangalore. Currently the College is offering the following courses:

UG Courses (BE)

- * Computer science & Engineering
- * Electronics & Communication Engineering
- * Electrical & Electronics Engineering
- * Mechanical Engineering

PG Courses

- * Master of Business Administration (MBA)

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering is committed to render services in the challenging world of industries and organisations by shaping the student's talents in the field of Communication with high technical brilliance. "Electronics" is the only word that finds a prominent place in the areas of Industrial applications, Communication, Automation etc. The scope of electronics when it relates with Communication, has a great impact. Students of our department are well trained and equipped, to suit the latest trends in this modern world.

ABOUT THE SYMPOSIUM

The symposium is designed to bring faculty and students together to examine the broader issues that are timely and important in research and academia and provides a platform for the students to explore their innovative and unlocking talents to keep pace with latest updated technical developments. Also introduce the same to the students for their curriculum and beyond, thereby set the trend for futuristic engineers in their area of interest, motivating, providing opportunities and creates value by continuous research activities. The symposium includes various events like Tech-Crunch, Bazzinga, Chain Reaction, Fun Zone, Livaz Box Office. The technical papers from various streams containing unsolved problems are collected and a benchmark is created for innovative technology.

- * Tech-Crunch - "Challenge your technical intellect".
- * Buzzinga - "Mind of a Mania".
- * Chain Reaction - "Game of fusion and fission"
- * Fun Zone - "Technical fun game".
- * Livaz Box Office - "Exhibit the director within you."

Participants listen to keynote speakers and panelists and participate in breakout sessions, all of which invite critical analysis of the selected topics provide rare opportunities for communication across disciplines, professions, and lines of scholarly inquiry.

CALL FOR PAPERS

Papers are called for the following areas but not restricted to.

- | | |
|--|-----------------------------|
| * Current trends in Electronics | * Trends in IT Sector |
| * Mobile Computing | * Nano Technology |
| * Network Security | * Speech Processing |
| * Real Time Systems | * Artificial Intelligence |
| * Optical MEMS | * Embedded Systems |
| * Data mining & Ware Housing | * VLSI Technology |
| * Image Processing (Not Limited To...) | * Digital Signal Processing |

FOR DETAILS CONTACT

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Prof. K P Linija Shylin
Faculty, ECE
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Ms. S. Sangamithirai
Final year Student, ECE
+91-8832755230



SHIRDI SAI ENGINEERING COLLEGE

Sai Leo Nagar, Anekal, Bangalore - 562106

National Level Technical Symposium

20th March, 2014



"Thamasoma Jothirgamaya"

Organized by

Department of
Electronics & Communication Engineering





SHIRDI SAI ENGINEERING COLLEGE

Sai Leo Nagar, Guddanahalli Post, Anekal Bengaluru -562106

Department of Electronics & Communication Engineering



Report on

NATIONAL LEVEL TECHNICAL SYMPOSIUM – "LI'VAZ – 2014"

20th March 2014

The inaugural session of the symposium started with lighting of the lamp by the dignitaries, followed by Invocation song. The dignitaries were escorted to the Dias by the convener, Prof. C. Sivaprakash, Head (ECE), the chief Guest Sri.G.N.V.Prasad, Group Director, SEG-ISRO, B'lore, Dr.Y.Vijaykumar, Principal, Sri. R. Arunkumar, Management Representative and Dr. B. Shadaksharappa, Vice Principal Shirdi Sai Engineering College, B'lore.

Prof. C. Sivaprakash, Head (ECE), welcomed the Chief Guest, Session Judges, the Dignitaries, Heads of the departments, Staffs, Participants and Students in his welcome address. Dr.B.Shadaksharappa, Vice Principal delivered the evolution of Li'vaz and addressed the importance of such technical symposiums. The special address was delivered by Mr. R. Arunkumar, Management Representative. The proceedings of the symposium was released by the Chief Guest Sri.G.N.V.Prasad and presented the inaugural address in which he stressed on accuracy, quality and reliability required to succeed. He motivated the students to learn deep in their own stream and gain peripheral knowledge in all other streams. The presidential address was delivered by Dr.Y.Vijaykumar, Principal and the vote of thanks proposed by Prof. Dhanya G.S., Faculty - ECE, Shirdi Sai Engg College.

Total 79 papers were received of which 56 were selected to be presented in the symposium and the same was printed in the proceedings by the scrutinizing committee. Later 11 papers were permitted as on spot registration due to the interest of in-house students and a total of 67 papers were presented during the symposium in 4 separate tracks chaired by experts from prestigious academic institutions.

The following experts from prestigious academic institutions chaired the session on the day.

Dr. S. Sujatha, Prof & Head (EIE), Adhiyamaan College of Engg, Hosur.

Prof.Manjudevi, Associate Professor-BTLIT, Bangalore.

Prof.M.V.Praveen, Asst. Professor –CSE, AIT, Bangalore.

Prof.Keerti Kulkarni, Asst. Professor – ECE, BHMIT, Bangalore

Tech-Crunch, Chain Reaction, Buzzinga, Livaz Box Office and Fun Zone were also organized to bring out the hidden talents of the budding technocrats and the winners in all events were awarded.

The symposium ended with a valedictory function. The Session Judges and the participants from other institutions shared their experience and expressed their view about the symposium. Later Prof.K.P.Linija Shylin, Faculty - ECE announced the winners & they were honored with a memento, certificate and cash prize by our beloved Principal Dr.Y.Vijaykumar who also delivered the presidential address. Prof. P.Venugopal, Faculty - ECE proposed the vote of thanks. The function concluded with National Anthem.

Mr. Yellappa

A. Sent the report
to the office into

CONVENOR & HEAD
Head of the Department
Electronics & Communication Engg
SHIRDI SAI ENGINEERING COLLEGE

PRINCIPAL



Visvesvaraya Technological University

"Jnanita Sangama" - Belgaum - 590 018, Karnataka State

Dr. H.N. Jagannatha Reddy, BE, MCE, PhD
REGISTRAR

Phone : (0831) 2405468
Fax : (0831) 2405467

Ref. No: VTU/Aca/2018-19/1884/16

Date: 4 JUN 2018

To,

The Principal

Sri Sairam College of Engineering, Bangalore

Sir/Madam,

Sub: Sanction of Financial Assistance to the selected projects of UG students of your Institution

Ref: VTU/Aca/2017-18/9702, dtd: 18th January 2018

With reference to the above subject, please find herewith a D.D Bearing No 636207.

Dated 25-May-18 of Rs. 40,000 towards the sanction of Financial Assistance to the selected projects of UG students. You are requested to give the amount to the concerned students and obtain an acknowledgement for the same.

The students' receipt of acknowledgement should be sent to the undersigned on or before

15-6-2018.

Yours faithfully

REGISTRAR

Encl: as above

[Handwritten signature]



Karnataka State Council for Science and Technology
Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348548, 23348549 • Telefax: 080-23348940
Email: office@kscst.org, office@kscst.org.in • Website: www.kscst.org, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

28th March, 2018

Ref: 7.1.01/SPP/06

The Principal,
Sri Sairam College of Engineering,
Formerly Shirdi Sai Engineering College,
Saileo Nagar, Samanthur (PO), Anavur,
Bengaluru - 562 106.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018
Your Project Proposal Reference No.: 415_BE_2001

Ref : Your Project Proposal entitled "KAPI DHWAJA"-SMART INITIATIVE FOR AUTOMOBILES
IN ROAD SAFETY

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break up as detailed below.

Students	Mr. Nanda Kumar V and others	Budget	Amount (Rs)
		Materials/Consumables	4,000.00
Guide/s	Dr. B Shadaksharappa	Labor	-
		Travel	-
Department	Computer Science And Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	5,000.00
RUPEES FIVE THOUSAND			

The following are the guidelines to carryout the project work.

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., of students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project sanction reference number printed above in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail (sp@kscst.org) for project 41 and should include following points:
 - Title of the project.
 - Name of the Principal/Teacher in Charge.
 - Name of the student(s) who did the project.
 - Address of the student(s).



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6.3.2 Management sponsorship towards registration fees for workshops, seminars and conferences for the faculty participants for the past five years

Academic year	Number of participants	Amount (Rupees)
2013-14	83	17100
2014-15	84	24950
2015-16	95	31500
2016-17	94	20000
2017-18	82	17200
Total		110750

I hereby certify that above mentioned expenditures have been duly reflected in the auditor's statement and Balance Sheet of the respective academic years.

ACCOUNTS OFFICER
Sri Sairam College of Engineering
Sai Leo Nagar, Guddanahalli Post
Anekal, Bengaluru-562 106

PRINCIPAL
Sri Sairam College Of Engineering
Sai Leo Nagar, Guddanahalli Post,
Anekal, Bengaluru - 562 106

CF 041	22-10-2016	Insurance(Received&Paid) (Accident Insurance Claim paid to Venkataswamy Reddy)	Ch No: 794102	Venkataswamy Reddy	20000
CF 005	03-03-2018	Internet A/C(One Time Installation Chgs - Sean Media Pvt ltd)	Ch.560056	Seans Media PVT LTD	10000
CF 031	29-12-2014	ISTE A/C (ISTE Life time membership Teaching Staff)	DD No: 927481	Rathana	108000
CF 062	24-03-2017	ISTE A/C (Teaching Staff ISTE Membership Fee)	DD.278333	ISTE A/C	84000
CF 045	24-01-2017	KSCST A/C (kscst 38th ay-14-15)	Ch No:691092	Ravi v angadi	4000
CF 007	07-03-2014	KSCST A/C (KSCST Project Expenes Reimbursed to Students)	Ch No: 691081	K.N.Shashishekar	7000
CF 033	30-08-2014	KSCST A/C (Project expenses reimbursed for Students)	Ch No: 691084	R.Gunasekari	3500
CF 034	30-08-2014	KSCST A/C (Project expenses reimbursed for Students)	Ch No: 691082	R.Gunasekari	7500
CF 035	30-08-2014	KSCST A/C (Project expenses reimbursed for Students)	Ch No: 691083	R.Gunasekari	6500
CF 051	25-01-2017	NSS A/c (purchase of consmabules for nss camp)	Ch No: 805452	bhavani traders	1786
CF 023	10-02-2016	NSS A/C (NSS - 7 days Special camp 2016 expenes)	Cash	K.N.Manjunatha	22722
CF 012	07-02-2014	NSS A/C (NSS Camp Expenses)	Cash	Harish Babul.L	36093
CF 025	23-01-2015	Nss A/C (Nss camp expenses)	Cash	K.N.Manjunatha	30970
CF 016	12-02-2014	NSS A/C (NSS Camp Staff Visit Refreshment Expenses)	Ch No: 782940	M.Srinivasan	4000
CF 032	28-10-2013	NSS A/C (out packet allowance for NSS Prog Officer)	Ch No: 779729	K.H.Pavana Krishna	4800
CF 005	04-02-2014	NSS A/C (Purcahse of T.Shirts for NSS Volunteers purpose)	Ch No: 782927	Hatrik Sports	9100
CF 024	23-01-2015	Nss A/C (Purchase of T Shirts for Nss Volunteers - Nss Camp)	Ch No: 796689	Hatrik Sports	10263
CF 006	09-05-2014	NSS A/C (Tracking for NSS Volunteers expenses)	Ch No: 769834	K.N.Manjunath	3245
CF 039	14-03-2017	NSS A/C(NSS Camp Exp 2016-17)	Cash	KN Manjunatha	45113
CF 005	05-07-2014	Printing & Stationery A/C (Purchase of Stationery Items for TQM Purpose)	Ch No: 769887	K.Prabhakaran	3909
CF 030	20-04-2015	Printing & Stationery A/C(Printing of 1000Nos Book-Career Guidance- RV college)	Ch.817158	Chethan Ram	20000
CF 038	19-01-2017	R & D A/c (40th KSCST Projects)	Ch No: 278140	Gunasekari	10046
CF 008	20-07-2015	R & D A/C (Exp paid t/w Paper Published in international journals)	Ch No: 691087	Ravi V Angadi	5900
CF 005	03-09-2013	R & D A/C (KSCST Project Exp Reimbursed)	Ch No: 691078	Manjunath G Hadimani	7000
CF 004	03-09-2013	R & D A/C (KSCST Project Exp Reimbursed)	Ch No: 691079	S.Mahesh	6000
CF 030	28-08-2013	R & D A/C (Project exhibition exp for KSCST & AIT & M)	Ch No: 691076	Gunasekari	10600
CF 024	22-08-2017	R & D A/C (Reimbursement of KSCST Project Amount for Students)	Ch No: 691098	Gunasekari.r	4000
CF 058A	27-10-2016	R & D A/C (Students Bheemavaram Project Cheque Returned)	Ch No: 186047	R & D	10000
CF 060	24-11-2017	R & D A/C (Tepmo rental charges for SLMIC Project Formula car)	Cash	M.R.Arun Kumar	6000
CF 004	03-06-2016	R & D A/C (VTU - RGS Conference Registration Fee)	Ch No: 691089	Ravi V Angadi	2500
CF 036	15-05-2017	R & D Cell A/C(T.A & D.A for fixing for floor mat R & D cell)	Cash	Nagesh Rao	300
CF 028	10-03-2017	R& D A/C(Bheemavaram Mechrockz Prize Amount Reimbursed)	Ch.691094	K Sivasakthi Balan	45000
CF 039A	10-03-2017	R& D A/C(Bheemavaram Mechrockz Prize Amount Reimbursed)	Ch.691095	K Sivasakthi Balan	30000
CF 038	14-03-2018	R& D A/C(Remuration & Travel Expenses)	Cash	P Gangavathi	1780
CF 020	16-11-2016	R&D A/c (Mech Dept. Prize money)	Ch No: 691091	Harish Baber.l	69500
CF 034	14-05-2015	R&D A/C(VGST Project chgs)	Ch.691086	Halesha.H.R	18490
CF 015	13-03-2014	Sports A/C (Staff Refreshment Expenses)	Ch No: 782981	Manikandan	1325
CF 026	17-10-2014	Staff Incentive (for best results) (100% Results cash awards)	Ch No: 79722 to 060	College Day A/C	123000
CF 029	18-07-2017	staff welfare A/c (kptcl exam refreshment exp)	Ch No:077340	janakiraman	8650
CF 015	09-01-2017	staff welfare A/c (purchase of sweets & mixture for the staff memb)	Ch No: 805418	trust office	9135

CF 041	24-01-2017	FDP A/C (FDP Refreshment Exp for 03 days)	Ch No: 805446	G.Janakiraman	5492
CF 016	19-08-2017	FDP A/C (Guest - Boarding & Lodging Charges - Dr.Rajendra Prasad,Deen, Sairam Group)	Cash	Shri Gowri Shankar Hotels	1784
CF 037	20-06-2016	FDP A/C (Staff FDP Prog Exp)	Cash	N.Harish	57657
CF 022	20-03-2014	FDPA/C (FDP Expenses Paid)	Cash	R.Murugesan	14083
CF 032	29-12-2014	Flag A/C (KSSWF amount paid to Govt)	DD No: 927474	SWF	20000
CF 033	29-12-2014	Flag A/C (KSTBF amount paid to Govt)	DD No: 927480	TBF	20000
CF 034	29-12-2014	Flag A/C (NFTW amount paid to Govt)	DD No: 927479	NFTW	17600
CF 009	06-11-2015	Flag A/C (NFTW,KSSWF & KSTBF - Amount remitted to Govt of Karnataka)	DD No:766764/5/6	Govt of Karnataka	57600
CF 078	31-12-2016	Flag A/C (NFTW,KSSWF & KSTBF amount paid to Govt of Karnataka)	DD No:	Govt of Karnataka	57600
CF 023A	03-03-2018	Flag A/C(TBF,SWF & NFTW)	Ch.279405,406,404	TBF, SWF,NFTW	57600
CF 017	12-10-2017	Freshers Day A/C (Freshers Day Expenses)	Cash	S.Manjula	10107
CF 022	14-02-2014	Govt A/C (KSSWF - Paid - Flags)	DD No: 175478	KSSWF, B.Lore.	12000
CF 020	14-02-2014	Govt A/C (KSTBF - Paid - Flags)	DD No: 175476	KSTBF,B.Lore.	12000
CF 021	14-02-2014	Govt A/C (NFTW - Paid - Flags)	DD No: 175477	NFTW, B.Lore.	13200
CF 052	21-12-2016	IEDC A/c (Purchase of Components for IEDC Projects)	Ch No: 077332	k.v Malini	12341
CF 013	07-09-2017	IEDC A/C (Advisory Board Meeting Exp)	Cash	K.V.Malini	2732
CF 002	02-08-2016	IEDC A/C (Incubation Centre Prepatation & Inauguration charges paid)	Ch No :077331	K.V.Malini	10740
CF 015	12-01-2016	IEDC A/C (Project Mantors & Coordinators Remunerations)	Ch No: 485595	K.V.Malini	35000
CF 003	02-05-2016	IEDC A/C (Purchase of Electronics items)	Ch No: 485599	Micro Designs	9682
CF 002	02-05-2016	IEDC A/C (Purchase of Electronics items)	Ch No: 485599	Vishal Electronics	12003
CF 036	20-06-2016	IEDC A/C (Students Project Fund -2014-15-reimbursed)	Ch No: 077326	K.V.Malini	102969
CF 009	07-10-2015	IEDC A/C(IEDC Cell Exp)	Cash	K.V.Malini	7449
CF 065	24-03-2017	IEI A/C (IEI Membership for Teaching Staff)	NEFT	IEI A/C	236000
CF 039	17-11-2017	IEI A/C (IEI staff membership Paid)	Ch No: 814526	IEI, (NEFT)	34220
CF 057	16-03-2018	IEI A/C(Making of Double framing & colour xerox of IEI students chapter -12 Nos)	Ch.560093	K Prabhakaran	4960
CF 043	17-11-2017	IIP A/C (BSNL Exam Refreshment Expenses)	Ch No: 666457	Annadurai.R	6424
CF 006	03-04-2013	IIP A/C (IIP Expenses Reimbursed)	Ch No: 705362	Sivasakthi Balan	6801
CF 029	14-11-2017	IIP A/C (Purchase of Computer accessories for College)	Ch No: 666451	New Computer Park	21306
CF 030	14-11-2017	IIP A/C (Purchase of Computer accessories for College)	Ch No: 666453	New Computer Park	50387
CF 031	14-11-2017	IIP A/C (Purchase of Computer accessories for College)	Ch No: 666454	New Computer Park	13075
CF 032	14-11-2017	IIP A/C (Purchase of Computer accessories for College)	Ch No: 666455	New Computer Park	27106
CF 033	14-11-2017	IIP A/C (Purchase of Computer accessories for College)	Ch No: 666455	New Computer Park	11793
CF 003	03-03-2018	IIP A/C(IEDC Project Mentors & IEDC Coordinator Remuneration)	Ch.666459to 475	Malini KV	139135
CF 058	16-03-2018	IIP A/C(Purchase of Computer Accessories for online exam pupose)	Ch.666477	New Computer Park	46374
CF 012	09-01-2017	IIPC A/c (post charges for consumarable for college)	Ch No: 077333	k v malini	8953
CF 021	10-05-2016	IIPC A/C (CAC Prog Expenses for all depts)	Cash	K.V.Malini	93216
CF 041	16-06-2017	IIPC A/C (Dr.APJ Abdul Kalam Innovation Eco system Project competition cash prize amount returned to Students)	Ch No: 077339	Ravi V Angadi	100000
CF 011	13-04-2017	IIPC A/C (PLC workshop Expenses)	Cash	K.V.Malini	6655
CF 010	13-04-2017	IIPC A/C (workshop on PLC, SCADA - Professional Charges)	Ch No: 077335	Prolific Sys & Tech Pvt Ltd	51637
CF 011	12-01-2016	Insurance A/C (Group accident Insurance Renewal Charges)	Ch No: 820835	Roya Sundaram Insurance	184150

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Statement of Cash Reimbursement

CF 047	25-05-2016	Advertisement Exp A/C (Career Guidance Programme - Adhiyaman College of Engineering, Hosur)	Ch No: 787899	Kasturi & Sons Ltd.,	29400
CF 016	08-12-2017	AICTE A/C (AICTE - ISTE Refresher Program Processing Fee)	Ch No: 814574	Gangavathi.P	1518
CF 048	29-09-2015	BESCOM A/C(Bescom Bill paid for Aug 2015)	Ch.817994,5,6	N.Mohandoss	20827
CF 072	25-03-2017	College Day A/C (100% results for the a.y 2015-16 all branches)	Ch.80647 to 500 Ch: 808701 to 706	College Day A/C	101000
CF 025	27-04-2013	College Day A/C (who ever achieve 100% results - staff prizes)	Ch No: 953473 to 953568	College Day	80000
CF 012	10-04-2015	College Day A/C(100% Result Staff+ Cash prize for Student)	Ch.817101 to 817141	R.Gunasekari	135000
CF 034	13-02-2017	College Maintenance A/c (VTU Gender Champion prog exp)	Cash	Geetha / Dhanya g.s	3615
CF 028	23-12-2015	College Maintenance (Best Campus - Registration Fee)	Ch No: 820821	Dr.Y.Vijaya Kumar	3384
CF 027	28-08-2017	College Maintenance A/C (Dr.Naveen sitting Charge for IEDC 4th Advisory Meeting Exp)	Cash	K.V.Malini	10000
CF 014	10-04-2014	College Maintenance A/C (Expenses for Career Options Purpose)	Cash	K.Prabhakaran	12481
CF 026	21-11-2013	College Maintenance A/C (Hanororium/Sitting Charges for Mr.Sujit Banerjee for AICTE Meeting)	Ch No: 779766	Arun kumar.R	2000
CF 021	18-11-2013	College Maintenance A/C (IEDC Exp Reimbursed to Trust office - CEO Sir Instructions)	Ch No: 779765	K.V.Malini	28000
CF 021	07-02-2018	College Maintenance A/C (Interaction Prog Conducted for 2nd PUC Student,NMKRV College)	Ch No: 552892	Self	13832
CF 009	04-05-2016	College Maintenance A/C (ISO Auditing's - Refreshment & others exp)	Ch No: 787865	Bheemeswara Reddy	2138
CF 024	29-05-2014	College Maintenance A/C (ISO Auditors Exp)	Ch No: 769870	B.Shadaksharappa	1258
CF 009	09-03-2015	College Maintenance A/C (Remuneration for UP lodingof AISHE Data for the Year 2011)	Ch No: 816150	Accounts	3000
CF 027	21-11-2013	College Maintenance A/C (Remuneration paid for yoga class conducted for boys hostel students)	Ch No: 779770	M.Nagaraju	2000
CF 004	05-07-2014	College Maintenance A/C (TQM Inauguration Expenses)	Ch No: 769888	K.Prabhakaran	3232
CF 003	01-03-2017	College Maintenance A/C(Best Principal&Engineering college ASDF Award)	Ch.806408	ASDF	5134
CF 066	24-03-2017	EAC A/C (EDC) (EAC Camp Expenses -1)	Cash	K.V.Malini	19480
CF 067	24-03-2017	EAC A/C (EDC) (EAC Camp Expenses -2)	Cash	K.V.Malini	26146
CF 068	24-03-2017	EAC A/C (EDC) (EAC Camp Expenses -3)	Cash	K.V.Malini	16856
CF 069	24-03-2017	EAC A/C (EDC) (EAC Camp Expenses -4)	Cash	K.V.Malini	19315
CF 070	24-03-2017	EAC A/C (EDC) (EAC Camp Expenses -5)	Cash	K.V.Malini	17890
CF 007	03-04-2013	EDC A/C (EDC Expenses Reimbursed)	Ch No: 730299	Pradeep B.Jyoti	4026
CF 056	27-09-2017	Engineers Day A/C (Engg day expenses)	Cash	K.V.Malini	7886
CF 020	18-03-2014	FDP - AICTE A/C (FDP EEE Dept 2 Days work shop expenses paid)	Ch No: 782953	C.Sivaprakash	8000
CF 037	19-01-2017	FDP A/c (fdp pro remunebale for resources pepaid)	Ch No: 805440/41	harikrishna s	10000
CF 007	01-02-2017	FDP A/c (FDP Programme Exp paid)	Ch No: 805463	harikrishna	4524
CF 055	31-01-2017	FDP A/c (food exp for fdp orogramence)	Ch No: 805455	trust office	14250
CF 028	17-01-2017	FDP A/c (purchase of folders for FDP)	Ch No: 805428	pooja stationery & gifts	9732
CF 054A	31-01-2017	FDP A/C (purchase of snacks tissu papper and other items)	Ch No: 805455	trust office	2580
CF 023	22-01-2016	FDP A/C (FDP Prog Exp)	Ch No: 820846	Gangavathi	10090
CF 030	09-02-2018	FDP A/C (FDP Prog Expense)	Cash	Gangavathi.P	30627
CF 021	19-02-2015	FDP A/C (FDP Programme Exp)	Ch No: 816120	C.Sivaprakash	2334

CF 031	25-03-2014	Staff Welfare A/C (FDP Programme food exp)	Ch No: 782996	Manikandan	4180
CF 025	12-05-2017	Staff Welfare A/C (MESCOM Exam Food Expenses)	Ch No: 077338	K.N.Yuvaraju	3080
CF 032	13-05-2017	Staff Welfare A/C (MESCOM Exam Food Expenses)	Ch No: 077337	K.N.Yuvaraju	5735
CF 050	21-02-2017	Staff Welfare A/C (Mescom Refreshment Exp)	Ch No: 077334	G.Killivalavan	1140
CF 016	20-04-2017	Staff Welfare A/C (Refreshment exp for NBA Meeting and College Refreshment)	Ch No: 808728	Janakiraman	7518
CF 019	18-03-2014	Staff Welfare A/C (Refreshment Exp for Robotic workshop at college campus)	Cash	K.N.Shashishekar	2600
CF 010	08-04-2014	Staff Welfare A/C (Refreshment Expenses For Career Options purpose)	Ch No: 769809	J.Manikandan	19730
CF 037	15-05-2015	Staff Welfare A/C(CSE Dept farewell- Refreshment Expenses paid)	Ch.817906	M.Srinivasan	1800
CF 025	15-09-2015	Staff Welfare A/C(IA Test Tea Expenses paid)	Ch.817970	J.Govindan	1440
CF 018	08-09-2015	Staff Welfare A/C(ISO Training refreshment expenses paid)	Ch.817963	J.Govindan	3070
CF 047A	25-01-2017	Staff Welfare A/C(Belgum exp for principle & Vice principle - distribution of Calendars & Dairies)	Ch No: 805448	shadaksharappa	6929
CF 063	24-03-2017	Staff Welfare A/C(IQAC Meeting Re Freshment Expenses)	Ch:806467	Janakiraman	2500
CF 034	19-01-2017	Student safty insurance (1123 nos students 210 nos staff group accident insurance	Ch No: 805437	royalsundaram	180642
CF 014	10-01-2015	Students Safety Insurance A/C (Staff & Students Group Insurance)	Ch No: 796672	Royal Sundaram Alliance Insur	185037
CF 043	24-01-2018	Students Safety Insurance A/C (Students & Staff Group Insurance Renewal)	Ch No: 552867	Royal Sundaram General Ins	173265
CF 011	10-01-2014	Students Safety Insurance A/C (Students safty Insurance renewals - A.y 2013-14)	Ch No: 782908	Royal Sundaram	187781
CF 024	08-09-2017	T. A Convecey A/c (Principal's Meet Expenses - VTU, Belgaum)	Ch No: 812536	Dr.Y.Vijaya Kumar	3753
CF 005	19-07-2016	T.A & Conveyance A/C (3rd Advorsoty Board Meeting & Project Review Exp)	Ch No: 077330	K.V.Malini	23224
CF 010	10-10-2017	T.A & Conveyance A/C (AICTE Clean Campus Award Function at pune-exp)	Ch No:812572	B.S.Yogananda	6590
CF 016	26-12-2013	T.A & Conveyance A/C (Belgaum Bus ticket to and fro - Annamalai)	Ch No: 779791	Arun Kumar.R	1390
CF 012	09-11-2013	T.A & Conveyance A/C (Belgaum exp reimbursed)	Ch No: 779747	Dr.:Y.Vijaya Kumar	2373
CF 040	20-05-2017	T.A & Conveyance A/C (Chennai Expenses for bring hostel cots)	Cash	Mathudevan.V	5950
CF 009	19-08-2015	T.A & Conveyance A/C (Chennai Trip Exp from 13th to 17th Aug 2015)	Ch No: 817936	Arun Kumar.R	2165
CF 014	20-04-2017	T.A & Conveyance A/C (Conveyance Exp for APJ Abdul Kalam Innovation Award's)	Ch No: 808736	K.V.Malini	6933
CF 013	07-12-2015	T.A & Conveyance A/C (Conveyance Exp for Principal's Meet at Belgaum)	Ch No: 820806	Dr.Y.Vijaya Kumar	2770
CF 009A	08-03-2016	T.A & Conveyance A/C (Conveyance Exp Paid)	Ch No:787803	J.P.Gandhi	5000
CF 040	20-02-2016	T.A & Conveyance A/C (Conveyance Exp,Lodging Charges - VTU Ped's Meet Exp)	Cash	K.N.Manjunatha	2325
CF 019	26-12-2013	T.A & Conveyance A/C (Diesel & Toll Charges - Principals 's Meet at Belgaum)	Ch No: 779794	Dr.Y.Vijaya Kumar	9770
CF 002	02-12-2016	T.A & Conveyance A/C (Make in Indian Contest Exp at Chennai)	Cash	K.V.Malini	7019
CF 053A	20-03-2017	T.A & Conveyance A/C (PED's Annual Meeting Expenses - VTU, Belgaum)	Ch:806458	K.N.Manjunatha	2657
CF 013	17-01-2014	T.A & Conveyance A/C (Toll & Refreshment Exp - Chennai exp paid for attending seminar)	Ch No : 782912	Dr.Y.Vijaya Kumar	1014
CF 006	07-01-2014	T.A & Conveyance A/C (Toll & Refreshment Exp - Sports meet at Chennai,sai ram engg College)	Ch No: 782903	Harish Babu.L	4035
CF 013	10-10-2017	T.A & Conveyance A/C(Chennai Trip Expenses Reimbursed)	Ch No:812567	Dr.Y.Vijaya Kumar	3250
CF 043	29-05-2015	TA & Conveyance A/C(Hindu Career Guidance - Mysore)	Cash	K.V.Malini	5812
CF 011	06-03-2017	TA & Conveyance A/C(National Conference Exp)	Ch.806420	V Mathudevan	1824
CF 048	20-03-2017	TA & Conveyance A/C(conveyance & Refreshment Expense - Project Expo-VTU)	Ch.806456	K Gopinath	1151
CF 033	14-05-2015	TA& Conveyance A/C(Conveyance & other expenses paid to VTU,Belgaum)	Ch.817901	V.Annamalai	3729
CF 013	08-09-2016	Teachers Day A/C (100% Result Csh Awards For Faculties	Ch No :790701- 744	R. Deepa Aruna	136000
CF 005	06-09-2016	Teachers Day A/C (Jerkins payment for final)	Ch No :791374	A One Jerkins	19000
CF 022	17-09-2016	Teachers Day A/C (PURCHASE OF Blazers for teaching Faculties Bill-87 to 1290	Ch No :791390	Bombay Fashion	100963

CF 019	14-06-2016	TQM A/C (Travelling Expenses Reimbursed)	Ch No: 791332	Dwarakanath.Y	15732
CF 027	12-05-2015	TQM A/C(Conveyance Exp for Dwarakanath - TO& FRO Chennai to Blr)	Ch.817198	Arun Kumar.R	2452
CF 020	14-10-2015	TQM A/C(TQM & HO Ravi Conveyance Expenses paid)	Ch.820713	Arun Kumar R	7689
CF 038	19-09-2015	TQM A/C(TQM Consultants conveyance Exp)	Ch.817983	Arun Kumar .R	3536
CF 004	02-05-2015	TQM A/C(Two days students counselling remuneration paid)	Ch.817176	Anushya.T.M	4000
CF 023	29-05-2014	Training & Placement A/C (' C ' Programmed Exp)	Cash	M.Manjula	6500
CF 080	28-02-2018	Training & Placement A/C (24 hrs Learnathan prog - CSE, ECE & EEE Dept Students)	Cash	Venkatesh Kumar	14870
CF 017	19-08-2017	Training & Placement A/C (Boarding & Lodging Charges - J.P.Gandhi)	Ch No: 812514	Clresta	5731
CF 036	28-03-2014	Training & Placement A/C (Career Options in Engg Programme Expenses Paid)	Cash	K.Prabhakaran	17202
CF 038	28-03-2014	Training & Placement A/C (Career Options in Engg Programme Expenses Paid)	Cash	K.Prabhakaran	4656
CF 001	02-11-2015	Training & Placement A/C (IOT Training prog food and misc exp)	Ch No: 485593	K.V.Malini	10395
CF 023	16-03-2016	Training & Placement A/C (J.P Gandhi's Boarding & Lodging Charges)	Ch No: 787817	Claresta Hotels	6549
CF 001	02-03-2015	Training & Placement A/C (Jayaprakash Gandhi - Accommodation Exp for 1 day)	Ch No: 816141	Claresta	5190
CF 009	08-03-2016	Training & Placement A/C (Remuneration Charges for 1 day Training Prog)	Ch No:787803	J.P.Gandhi	10000
CF 007	04-02-2014	Training & Placement A/C (Remuneration for J.P.Gandhi's Seminar)	Ch No: 782935	Shivasakthi Baian	15000

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and e years (6)
towards membership fee of professional bodies during the last

Year	S.NO	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support in Rs	date
2017-18	1	MS.RARUNA	COMPUTER NETWORK LAB NS TOOL TRAINING	NA	500	01-08-2018
2017-18	2	MR.S.SANTHAMOORTHY	EMBEDDED DESIGN USING FPGA	NA	300	28/10/2017
2017-18	3	MR.RAJA.G.V	EMBEDDED DESIGN, USING FPGA	NA	300	28/10/2018
2017-18	4	MS.G.MANJULA	WEB TECHNOLOGIES	NA	200	16/7/2017 - 18/07/2017
2017-18	5	MR.RAGHAVENDRA RAO	WEB TECHNOLOGIES	NA	200	16/7/2017 - 18/07/2017
2017-18	6	MS. SHEELA DEVI	JAVA FUNDAMENTALS BY ORACLE ACADEMY	NA	200	22/4/2018 - 26/4/2018
2017-18	7	MS. ARPITHA VASUDEV	JAVA FUNDAMENTALS BY ORACLE ACADEMY	NA	200	22/4/2018 - 26/4/2018
2017-18	8	MS.DIVYA PRABHA	BIG DATA AND DATA ANALYSIS	NA	300	30/10/2017 - 03/11/2017
2017-18	9	MS.SANJANA Y	BIG DATA AND DATA ANALYSIS	NA	300	30/10/2017 - 03/11/2017
2017-18	10	MR.PRADEEPA C	BIG DATA AND DATA ANALYSIS	NA	300	30/10/2017 - 03/11/2017
2017-18	11	DR. SHADAKSHARAPPA B	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	12	RAGHAVENDRARAO B	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	13	MANJULA G	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	14	KALAMANI P	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	15	REJI THOMAS	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	16	SHALINI K V	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	17	PRADEEP KUMAR T K	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	18	VENKATESH KUMAR M	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	19	LORATE SHINY M	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	20	SAANJANNA Y	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	21	SHARON ROJI PRIYA C	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	22	SHEELA DEVI	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	23	CHANDANA M	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	24	JEYADEVAN S	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	25	B.N.JAGADEESH	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	26	SIVAPRAKASH C	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	27	DEEPA R	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	28	VENUGOPAL P	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	29	RAJA G V	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	30	GEETHA R	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	31	DHANYA G S	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	32	TIVARI V K	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018

2017-18	74	JYOTHI B	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	75	MANJULA B	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	76	SASIKALA J	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	77	VENKATESH P	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	78	LUTHER BENNY P	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	79	DR. HARI KRISHNA S	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	80	SHAILASHREE S	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	81	PRAKASH V	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
2017-18	82	JYOTHI SIREESHA A	EMPOWER YOURSELF	NA	200	18/01/2018 - 19/01/2018
					total	17200
2016-2017	1	Ms. Malini.K.V.	"Programmable Logic Controller PLC and SCADA Automation"	NA	200	6 th and 7 th April 2017.
2016-2017	2	Mrs. R. Gunasekari	"Programmable Logic Controller PLC and SCADA Automation"	NA	200	6 th and 7 th April 2017.
2016-2017	3	Mr. B.S.VenkateshMurthy	"Programmable Logic Controller PLC and SCADA Automation"	NA	200	6 th and 7 th April 2017.
2016-2017	4	Mr. Madhava Rao.]	"Programmable Logic Controller PLC and SCADA Automation"	NA	200	6 th and 7 th April 2017.
2016-2017	5	Mr.K.Gopinath	"Programmable Logic Controller PLC and SCADA Automation"	NA	500	6 th and 7 th April 2017.
2016-2017	6	Mrs.K.Ramya	"Programmable Logic Controller PLC and SCADA Automation"	NA	500	6 th and 7 th April 2017.
2016-2017	7	Ms. D.A.Vennila	"Programmable Logic Controller PLC and SCADA Automation"	NA	500	6 th and 7 th April 2017.
2016-2017	8	Mr. Ravi V Angadi	"Programmable Logic Controller PLC and SCADA Automation"	NA	500	6 th and 7 th April 2017.
2016-2017	9	Ms. Mamatha G M	"Programmable Logic Controller PLC and SCADA Automation"	NA	200	6 th and 7 th April 2017.
2016-2017	10	Mr.Prashanth	"Programmable Logic Controller PLC and SCADA Automation"	NA	200	6 th and 7 th April 2017.
2016-2017	11	MR.SHADAKSHARAPPA	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	12	MR.RAGHAVENDRA B	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	13	Ms Kalamani	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	14	Mr.Reji Thomas	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	15	Ms.Shalini K V	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	16	Mr. T.K.Pradeep Kumar	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	17	Mr.Venkatesh Kumar	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	18	Ms. Y Sanjana	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	19	Ms. Sharon Roji Priya	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	20	Ms.Lorate Shiny	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	21	Ms. Sheela Devi	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	22	Mr.Jayadevan	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	23	Ms. Sowmya A M	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	24	Mr. C.Siva Prakash	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	25	Mr.G.V.Raja	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	26	Ms.R.Geetha	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	27	Ms.P.Gowri	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	28	Mr.V.K.Tivari	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	29	Mr.Halesha H R	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	30	Ms. A.Poonguzhali	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017

2016-2017	73	Dr.R.MURUGESAN	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	74	P.GANGAVATHI	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	75	M.REVATHY	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	76	S.MANJULA	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	77	B.JYOTHI	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	78	J. SASIKALA	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	79	P.VENKATESHA	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	80	V.PRAKASH	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	81	M.MANJULA	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	82	Dr.HANUMAPPA.H	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	83	S.HARIKRISHNA	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	84	SAILASREE	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	85	LUTHER BENNY.P	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	86	MANJUNATHA.K.N	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	87	N R SRIDHAR	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	88	LAVANYA R	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	89	ANILKUMAR	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	90	CHANDRA REDDY	FACTO 2K17- FUNDING, AUTHORIZING COUNSELLING, TQM OPP	NA	200	02/8/2017 - 03/08/2017
2016-2017	91	MS. Shalini k v	WORKSHOP ON OOPS WITH JAVA	NA	200	31.10.2017
2016-2017	92	MR.T.K.PRADEEP KUMAR	WORKSHOP ON OOPS WITH JAVA	NA	200	23.01.2017 - 25.01.2017
2016-2017	93	MS.SANJANA Y	WORKSHOP ON ARMT AND KEIL	NA	200	4TH & 5TH JANUARY 2017
2016-2017	94	MS.LORATE SHINY	WORKSHOP ON ARMT AND KEIL	NA	200	4TH & 5TH JANUARY 2017
					20000	
2015-2016	1	Ms. Malini.K.V.	NATIONAL FACULTY DEVELOPMENT PROGRAM IN ENTREPRENEURSHIP	NSTEDB	4500	18 th to 30 th jan 2016
2015-2016	2	Ms. Malini.K.V.	IPR, Stress Management and Effective Counseling Techniques"	DST	1500	18 th to 30 th jan 2016
2015-2016	3	Mr. Ravi V Angadi	International CONFERENCE ICACT 2016	NA	2500	01-06-2016
2015-2016	4	Dr.B.SHADAKSHARAPPA	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.
2015-2016	5	B.RAGHAVENDRA RAO	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.
2015-2016	6	P.KALAMANI	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.
2015-2016	7	VIJAYALAKSHMI	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.
2015-2016	8	G.MANJULA	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.
2015-2016	9	REJI THOMAS	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.
2015-2016	10	H.B.SHANTHALA	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.
2015-2016	11	K.V.SHALINI	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.
2015-2016	12	M.VENKATESH KUMAR	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.
2015-2016	13	T.K.PRADEEP KUMAR	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.
2015-2016	14	Y.SAANJANNA	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.
2015-2016	15	LORATE SHINY.M	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.
2015-2016	16	SRINATHA.D.K	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.
2015-2016	17	C.SHARON ROJI PRIYA	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.
2015-2016	18	B.N.JAGADEESH	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.
2015-2016	19	POLISSETTY SANTHI PRIYA	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.
2015-2016	20	J.MANIKANDAN	INNOVATIVE TEACHING PEDAGOGY	NA	250	14 th , 15 th & 18 th July 2016.

2015-2016	64	VENKATARATHNAIAH.M	INNOVATIVE TEACHING PEDAGOGY
2015-2016	65	MAYUR GOYAL.S	INNOVATIVE TEACHING PEDAGOGY
2015-2016	66	B.M.MADHURA	INNOVATIVE TEACHING PEDAGOGY
2015-2016	67	ANN MEGHA JAMES	INNOVATIVE TEACHING PEDAGOGY
2015-2016	68	ABHISHEK MAKUNTE	INNOVATIVE TEACHING PEDAGOGY
2015-2016	69	G AYISWARYA	INNOVATIVE TEACHING PEDAGOGY
2015-2016	70	VINAYAK TALUGERI	INNOVATIVE TEACHING PEDAGOGY
2015-2016	71	DIVYA.V	INNOVATIVE TEACHING PEDAGOGY
2015-2016	72	ARUN KUMAR.M.R	INNOVATIVE TEACHING PEDAGOGY
2015-2016	73	MANJUNATHA KN	INNOVATIVE TEACHING PEDAGOGY
2015-2016	74	PRAJWAL ADIGA	INNOVATIVE TEACHING PEDAGOGY
2015-2016	75	VENKATESH MURTHY.B.S.	INNOVATIVE TEACHING PEDAGOGY
2015-2016	76	GUNASEKARI. R	INNOVATIVE TEACHING PEDAGOGY
2015-2016	77	K.RAMYA	INNOVATIVE TEACHING PEDAGOGY
2015-2016	78	J.MADHAVA RAO	INNOVATIVE TEACHING PEDAGOGY
2015-2016	79	R.VIGNESHA	INNOVATIVE TEACHING PEDAGOGY
2015-2016	80	RAVI.V.ANGADI	INNOVATIVE TEACHING PEDAGOGY
2015-2016	81	M.SAVITHA	INNOVATIVE TEACHING PEDAGOGY
2015-2016	82	K.GOPINATH	INNOVATIVE TEACHING PEDAGOGY
2015-2016	83	K.V.MALINI	INNOVATIVE TEACHING PEDAGOGY
2015-2016	84	T.YUVARAJA	INNOVATIVE TEACHING PEDAGOGY
2015-2016	85	P.GANGAVATHI	INNOVATIVE TEACHING PEDAGOGY
2015-2016	86	M.REVATHY	INNOVATIVE TEACHING PEDAGOGY
2015-2016	87	S.MANJULA	INNOVATIVE TEACHING PEDAGOGY
2015-2016	88	B.JYOTHI	INNOVATIVE TEACHING PEDAGOGY
2015-2016	89	J. SASIKALA	INNOVATIVE TEACHING PEDAGOGY
2015-2016	90	P.VENKATESHA	INNOVATIVE TEACHING PEDAGOGY
2015-2016	91	V.PRAKASH	INNOVATIVE TEACHING PEDAGOGY
2015-2016	92	M.MANJULA	INNOVATIVE TEACHING PEDAGOGY
2015-2016	93	S.HARIKRISHNA	INNOVATIVE TEACHING PEDAGOGY
2015-2016	94	SAILASREE	INNOVATIVE TEACHING PEDAGOGY
2015-2016	95	MANJUNATHA.K.N	INNOVATIVE TEACHING PEDAGOGY

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2014-2015	1	Ms. Malini.K.V.	Internet of Things	NA	300	10-04-2015
2014-2015	2	Mrs. R. Gunasekari	Internet of Things	NA	300	10-04-2015
2014-2015	3	Mr. B.S.VenkateshMurthy	Internet of Things	NA	300	10-04-2015
2014-2015	4	Mr. Madhava Rao.]	Internet of Things	NA	300	10-04-2015
2014-2015	5	Dr.B.SHADAKSHARAPPA	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	6	B.RAGHAVENDRA RAO	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	7	P.KALAMANI	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	8	G.MANJULA	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	9	REJI THOMAS	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015

2014-2015	53	VIJAI.R	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	54	ARUNA SHANBHOG	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	55	S.MAHESH	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	56	L. HARISH BABU	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	57	G.H.MANJUNATH	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	58	V.BALAJI	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	59	VINODH KUMAR BIRADAR	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	60	MAYUR GOYALS	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	61	MADHURA S	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	62	VENKATESH MURTHY.B.S.	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	63	GUNASEKARI. R	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	64	K.RAMYA	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	65	J.MADHAVA RAO	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	66	RAVI.V.ANGADI	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	67	M.SAVITHA	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	68	K.GOPINATH	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	69	K.V.MALINI	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	70	T.YUVARAJA	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	71	R.MURUGESAN	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	72	P.GANGAVATHI	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	73	S.MANJULA	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	74	B.JYOTHI	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	75	V.PRAKASH	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	76	M.MANJULA	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	77	S.HARIKRISHNA	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	78	SAILASREE	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	79	SUMA T	IPR Stress Management & Effective Counseling Techniques	NA	300	1 st to 5 th Jan 2015
2014-2015	80	MR.C.SIVAPRAKASH	WORKSHOP ON VLSI	NA	250	9th & 10th January 2015
2014-2015	81	MS.DHANYA GS	WORKSHOP ON VLSI	NA	250	9th & 10th January 2015
2014-2015	82	MS.SUGANYA J	WORKSHOP ON VLSI	NA	250	9th & 10th January 2015
2014-2015	83	Ms.K.P.Linija Shylin	WORKSHOP ON VLSI	NA	250	9th & 10th January 2015
2014-2015	84	MS.P.GOWRI	WORKSHOP ON VLSI	NA	250	9th & 10th January 2015
					24950	
2013-2014	1	MS.R.ARUNA	EMBEDDED SYSTEM WORKSHOP	NA	300	21/2/2014 - 22/2/2014
2013-2014	2	Mr.SOMNATH MAZUMDAR	EMBEDDED SYSTEM WORKSHOP	NA	300	21/2/2014 - 22/2/2014
2013-2014	3	MS.R.ARUNA	SYSTEM PROGRAMMING AND LAB VIEW	NA	300	28/05/2014 - 31/05/2014
2013-2014	4	MR.G.V. RAJA	SYSTEM PROGRAMMING AND LAB VIEW	NA	300	28/05/2014 - 31/05/2014
2013-2014	5	MS.G.MANJULA	ANDROID APPLICATION	NA	300	31/01/2014
2013-2014	6	Dr.B.SHADAKSHARAPPA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	7	B.RAGHAVENDRA RAO	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	8	P.KALAMANI	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	9	VIJAYALAKSHMI	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	10	G.GOKUL KUMARI	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014

2013-2014	11	G.MANJULA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	12	REJI THOMAS	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	13	K.V.SHALINI	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	14	M.VENKATESH KUMAR	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	15	T.K.PRADEEP KUMAR	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	16	SHIMI JEYASEELAN	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	17	Y.SAANJANNA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	18	LORATE SHINY.M	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	19	B.K.SOWMYA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	20	PALLAVI B	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	21	GURUVAMMAL	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	22	C.SIVAPRAKASH	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	23	R.DEEPA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	24	VENUGOPAL.P	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	25	RAJA.G.V	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	26	R.GEETHA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	27	G.S.DHANYA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	28	V.K.TIVARI	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	29	R.ARUNA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	30	SHASHI RANJAN	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	31	H.R.HALESHA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	32	A.POONGUZHALI	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	33	K.P.LINIJA SHYLIN	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	34	H.S.SAVITHA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	35	B.SRILATHA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	36	SUGANYA.J	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	37	SADHANA.B.K	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	38	N.BHUVANESWARI	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	39	N.SANTOSH KUMAR	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	40	R.D.VIDYA RANI	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	41	GOWRI P	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	42	SHANTHA MOORTHY	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	43	PADMAVATHI	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	44	SIVASAKTHI BALAN. K	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	45	B.S.YOGANANDA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	46	S.VENKATARAJU	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	47	V.N.KAMESHWAR	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	48	ARUNA SHANBHOG	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	49	MADHURA.S	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	50	S.MAHESH	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	51	DURAI.J	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	52	VIJAI.R	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	53	SARAVANAKUMAR.R	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014

2013-2014	54	L. HARISH BABU	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	55	G.H.MANJUNATH	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	56	L.RAJANNA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	57	V.BALAJI	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	58	JAGADISH KUMAR	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	59	SHIVANANDA DEVI	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	60	RAMESH	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	61	CHANDRASHEKAR.K	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	62	ARUN KUMAR R	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	63	PRADEEP B.JYOTI	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	64	VENKATESH MURTHY.B.S.	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	65	GUNASEKARI. R	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	66	MANIMEGALAID	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	67	K.RAMYA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	68	J.MADHAVA RAO	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	69	RAVI.V.ANGADI	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	70	M.SAVITHA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	71	K.GOPINATH	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	72	K.V.MALINI	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	73	SHILPA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	74	R.MURUGESAN	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	75	P.GANGAVATHI	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	76	SUMA.T	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	77	M.REVATHY	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	78	S.MANJULA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	79	B.JYOTHI	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	80	V.PRAKASH	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	81	Dr.HANUMAPPA.H	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	82	S.HARIKRISHNA	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
2013-2014	83	SAILASREE	FACULTY SKILL ENRICHMENT PROGRAM	NA	200	20/01/2014 -24/01/2014
					17100	

2013-14	83	17100
2014-15	84	24950
2015-16	95	31500
2016-17	94	20000
2017-18	82	17200
		110750



ESCORTS TRAINING AND DEVELOPEMENT CENTER
Industrial Visit Report
December 2017 5th Semester Mechanical "A" & "B" Section

The Escorts Training & Development Centre (ETDC), was established way back in 1969 at Bangalore to expand the potential of our intellectual capital. Spread over 85 acres of fertile land, it is a scientifically planned training complex including training halls, model workshops, and residential cottages and hostels covering 14 acres of land with facilities including canteens, dining halls, indoor & outdoor recreational areas. Another 76 acres is dedicated to model and demonstration farming.

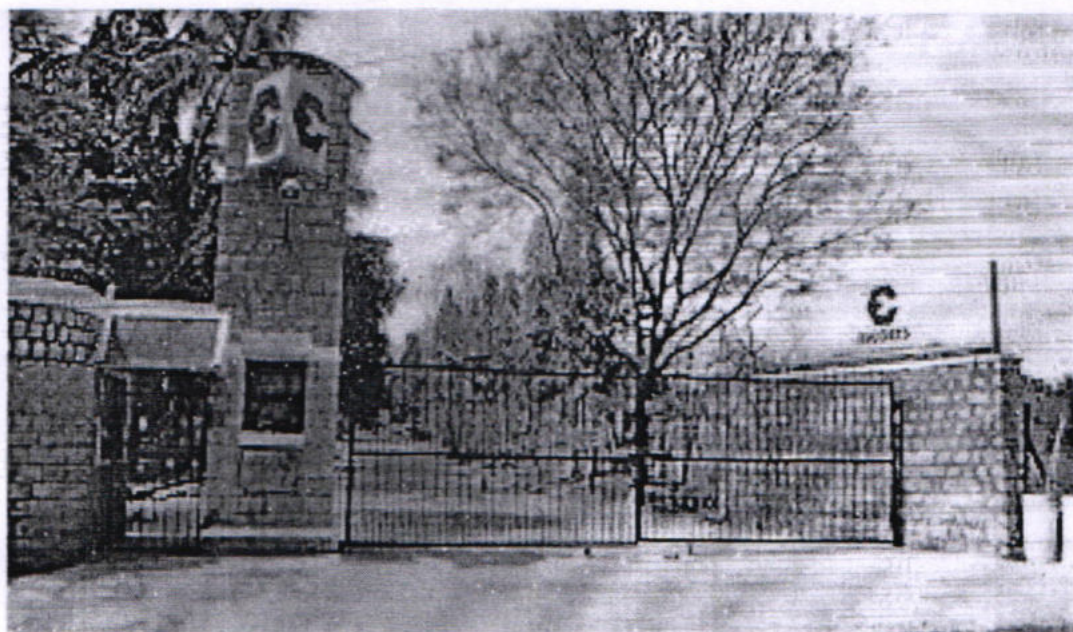
ETDC provides training to farmers, employees, dealers, salesmen, service in-charge, parts in-charge, mechanics, financial institutions, government nominees, and agricultural & engineering students. Escorts have till date achieved 3.25 lakh man days in various training programmes at ETDC.

ETDC is equipped with modern teaching aids including multimedia, computer learning centre, training literature in several languages, technical films, slide shows, extensive library for archival materials on various farming techniques, automobiles, agricultural engineering and management.



ESCORTS Industrial Visit Report
December 2017



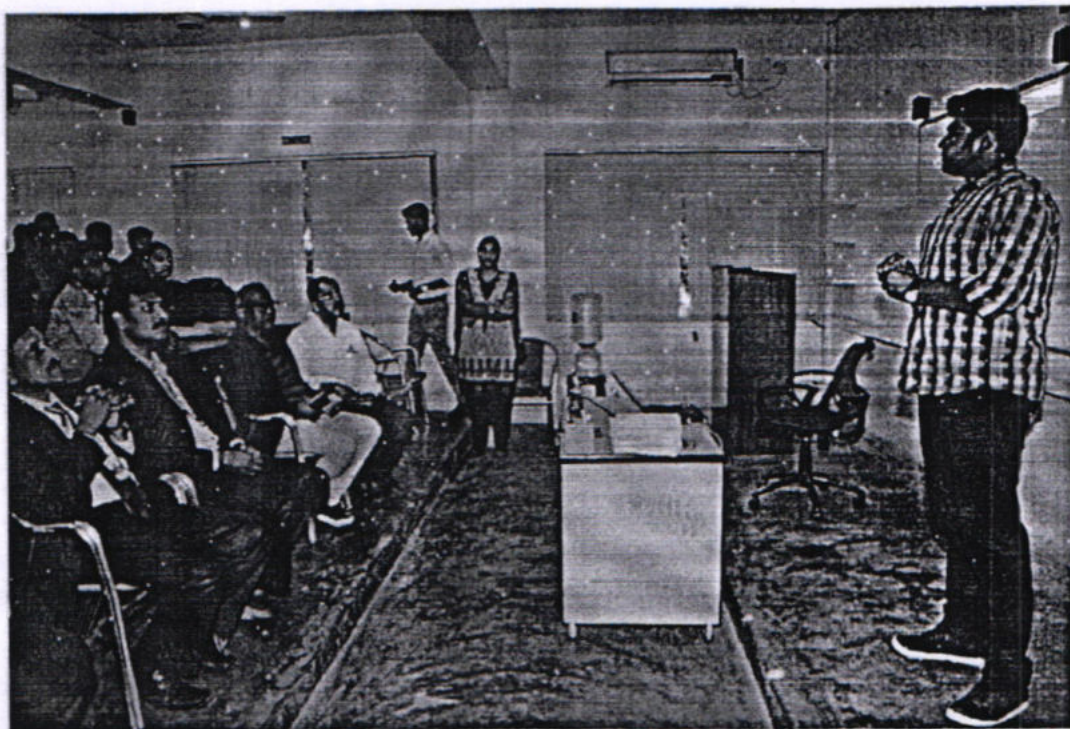


Engine Overhauling



Farm Equipment Training





Escort Technical Team Presentation



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Title : Student Attendance for Industrial
Visit

Format No.
FR-053

Rev.No.
04

Issue Date:
15.04.2016

INDUSTRIAL VISIT RECORD

Name of the Industry Visited: ESCORTS TRAINING & DEVELOPEMENT CENTER

Address of the Industry: Bangalore

Date of Visit: 12 December 2017 to 13/12/2017 (28/01/2018)

Dept: Mechanical

Semester: IV- A

Academic Year: 2017-18

Sl.No	USN	Name	Signature
1.	1SB16ME015	B. Manasa	Manasa
2.	1SB16ME030	Kiran Kumar k.c.	Kiran
3.	1SB16ME034	Lingaraj baddige Mutt S	Lingaraj. b.s
4.	1SB16ME013	Arif Khan	Arif
5.	1SB16ME006	AKASHA N	Akash.N
6.	1SB16ME014	Bharath.p.k	Bharath
7.	1SB16ME030	Divya venkatesh Sai Teja.M	Divya
8.	1SB16ME002	Abhishek	Abhishek
9.	1SB16ME040	maheesh savior	Maheesh
10.	1SB16ME041	Manoj kumar.p	Manoj
11.	1SB16ME043	Manoj.v	Manoj
12.	1SB16ME037	M. RAJA	Raja
13.	1SB16ME017	chandrasekhar B S	Chandrasekhar
14.	1SB16ME035	M. GINANEENDRA	Ginaneendra
15.	1SB16ME021	G. BHARATH	Bharath



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Title : Student Attendance for Industrial
Visit

Format No.
FR-053

Rev.No.
04

Issue Date:
15.04.2016

INDUSTRIAL VISIT RECORD

Name of the Industry Visited: Escorts Training & development center
Address of the Industry: Bangalore
Date of Visit: 28/01/2018

Dept: Mech

Semester: IV-A

Academic Year: 2017-18

Sl.No	USN	Name	Signature
16	ISB16ME027	JANAS JOY. B	JANAS JOY. B
17	ISB16ME023	Hemanthraj BA	Hemanthraj
18	ISB16ME053	Nikhil Kumar	Nikhil
19	ISB16ME051	Naveen N.B	Naveen N.B
20	ISB16ME054	Nishchal. K	Nishchal. K
21	ISB16ME038	Madhubalan AB	Madhubalan AB
22	ISB16ME055	Nithin. V.	Nithin. V.
23	ISB16ME042	MANOJ. m	MANOJ. m
24	ISB16ME010	Ankit Kumar	Ankit
25	ISB16ME009	Anil Rathod	Anil Rathod
26	ISB16ME025	Imran Buiq	Imran Buiq
27	ISB16ME005	Akash	Akash

for
A. V. Co-ordinator

I. V. Co-ordinator

Head of the Department



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COLLEGE OF ENGINEERING

Title : Student Attendance for Industrial Visit

Format No.
FR-053

Rev.No.
04

Issue Date:
15.04.2016

INDUSTRIAL VISIT RECORD

Name of the Industry Visited: Escorts Training and Development Centre.

Address of the Industry: Chandapura, Bangalore.

Date of Visit: 22-1-18

Dept: Mechanical Engg

Semester: IV-B

Academic Year: 2017-2018

Sl.No	USN	Name	Signature
1.	15B17ME404	Yuvrajam	Yuve
2	15B16ME076	Saibaba	Saib
3	15B16ME093	Vinayaka. K	Vinay
4	15B16ME059	Pavan. RT	Pav
5.	15B16ME061	Pradup. B.T	Pradup
6.	15B16ME062	Pranav	Pranav
7.	15B16ME077	Sandeep Inamati	Sandeep
8	15B15ME037	K. Adish Putnak	Adish
9	15B16ME086	Supreeth	Supreeth
10	15B16ME067	Prayash. Naily	Prayash
11	15B16ME091	Venkatesh R.H	Venkatesh
12.	15B16ME066	Rajesh. N.	Rajesh
13.	15B16ME078	Sanjay M. K	Sanjay
14	15B16ME084	Sudassan. D	Sudassan



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COLLEGE OF ENGINEERING

Title : Student Attendance for Industrial Visit

Format No.
FR-053

Rev.No.
04

Issue Date:
15.04.2016

INDUSTRIAL VISIT RECORD

Name of the Industry Visited: Exports training and development centre

Address of the Industry: Chandapura, Bangalore

Date of Visit: 09-1-2018

Dept: Mechanical Engg

Semester: IV - B

Academic Year: 2017 - 2018

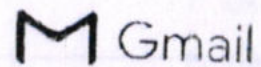
Sl.No	USN	Name	Signature
15	ISB16ME085	Sudharshan P	
16	ISB15ME008	Dhanunjaya, K C	
17	ISB16ME089	Thilak. B. R	
18	ISB15ME002	Abhishek PC	
18	ISB17ME000	Krishna Shanna	
19.	ISB16ME063	Paravesh	
20.	ISB16ME065	Rahul	
21	ISB16ME071	Ravivarma. b	
22.	ISB17ME401	Sathish .M. Reddy	
23.	ISB16ME070	Ranip	
24.	ISB16ME069	Rakesh. Y. N	

CLASS CO-ORDINATOR

HOD

1/3/2018

Gmail - Fwd: Students visit



anand ka <anand.ka9@gmail.com>

Fwd: Students visit

2 messages

MECH HOD <hod.mech@sairamce.edu.in>
To: anand.ka9@gmail.com

22 November 2017 at 20:22

----- Forwarded message -----

From: "Placement Officer Sairam Bengaluru" <placement@sairamce.edu.in>
Date: 22-Nov-2017 8:20 pm
Subject: Fwd: Students visit
To: <balaji.mech@sairamce.edu.in>, <hod.mech@sairamce.edu.in>
Cc:

----- Forwarded message -----

From: "S R Paul Raj /EAM/Head Special Projects (Sales)" <paul.raj@escorts.co.in>
Date: 22 Nov 2017 2:15 pm
Subject: Students visit
To: "placement@sairamce.edu.in" <placement@sairamce.edu.in>
Cc: "BIJU GEORGE/EAM/SERVICE/BANGALORE" <biju.george@escorts.co.in>, "Bharath Babu VP/EAM/Sales" <bharath.babu@escorts.co.in>

Dear sir

We welcome your students on 25th November in the afternoon as proposed by you. In this regard please let us know the following to enable us plan

1. No of participants are 75(you have said in the mail). How many are boys and girls?
2. By what time will they reach?(Understand they will come after their lunch)
3. By how many buses will they come?
4. By what time you would like us to free them ?

We intend to have calendar as below (tentatively)

1/3/2018

Gmail - Fwd: Students visit

4. Buses: One

5. We would like to complete the visit by 3.15 pm because by 4.00 pm the buses have to return back at campus

Thanking you,
Yours Sincerely
Anand K.A

----- Forwarded message -----

From: MECH HOD <hod.mech@sairamce.edu.in>

Date: 22 November 2017 at 20:22

Subject: Fwd: Students visit

[Quoted text hidden]



Sri SAIRAM
COLLEGE OF ENGINEERING
Anekal, Bengaluru

DEPARTMENT OF MECHANICAL ENGINEERING

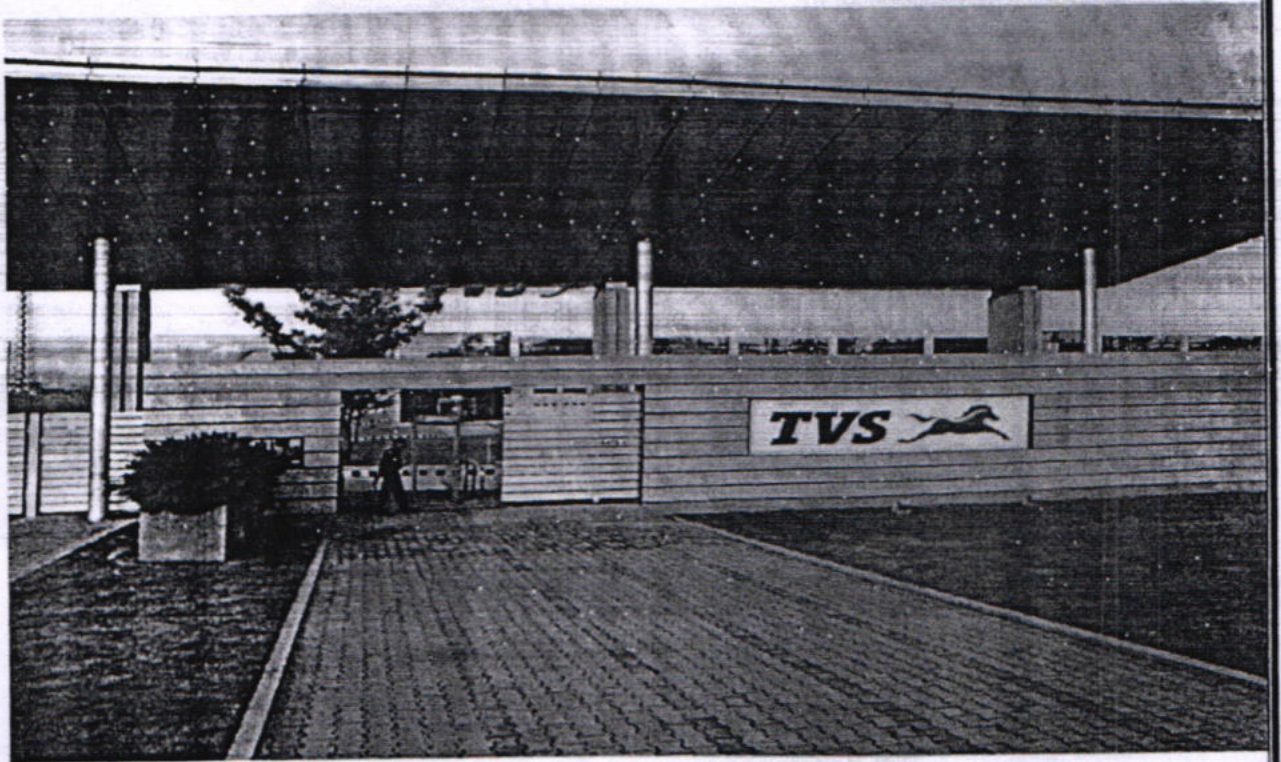
INDUSTRIAL VISIT REPORT

Date: 18/10/2016

Company: TVS Motor Company Hosur.

About Company: TVS Motor Company is a multinational motorcycle company headquartered at Chennai, India. It is the third largest motorcycle company in India. TVS Motor Company is also the 2nd largest exporter in India with exports to over 60 Countries. It was the first Indian company to deploy a catalytic converter in a 100 cc motorcycle and the first to indigenously produce a four stroke 150cc motorcycle. The list of firsts from the firm include: India's first 2-seater moped - TVS 50, India's first indigenous scooterette - TVS Scooty, India's first Digital Ignition - TVS Champ, India's first fully indigenous motorcycle - Victor, First Indian company to launch ABS in a motorcycle - Apache RTR Series, The first scooter with Body-Balance Technology - TVS Wego, The clutchless motorcycle - Jive, Indonesia's first dual-tone exhaust noise technology - Tormax and India's first oil-cooled chamber construct with Ram-Air assist- TVS Apache RTR 200 4V. And a recent launch - India's first connected scooter TVS NTORQ which claims to be India's first Bluetooth Connected Scooter with features like Call

India's first Bluetooth Connected Scooter with features like Call Assistance, Navigation.



Expert staffs from each department gave in depth explanation about their training and facilities offered by them to the students.

- The students were also given opportunity to work with the machines and to see the finished products of TVS.

Number of student's present-39

S. Mahesh

Mahesh
Industrial visit co-ordinator

H. Sankar Mishra

HOD
Mechanical Department



Sri
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COLLEGE OF ENGINEERING

Title : Student Attendance for Industrial Visit

Format No.
FR-053

Rev.No.
04

Issue Date:
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INDUSTRIAL VISIT RECORD

Name of the Industry Visited: TVS Motor Company.

Address of the Industry: HDSB

Date of Visit: 18-10-2016

Dept: Mechanical

Semester: 5th A

Academic Year: 2016-17

Sl.No	USN	Name	Signature
1	ISB14ME070	MONUSSH BABU.K	K. Monish
2	ISB14ME054	Lalith N.M	Lalith N.M
3	ISB14ME057	Madhuri.S	madhuri.s
4	ISB14ME055	ARUN.M	Arun
5	ISB14ME056	Madan Kumar.R	Madan
6	ISB14ME073	Nandan P.B	Nandan
7	ISB14ME033	Geeta Rakesh Kumar	Rakesh
8	ISB14ME036	Rajeev K. S	Rajeev
9	ISB14ME043	Karthi Y. B	Karthi
10	ISB14ME040	Karthik P	Karthik
11	ISB14ME038	SRI HARI.G	Sri Hari
12	ISB14ME016	R. ARAVIND	Aravind
13	ISB14ME040	D.HARI PRASATH	Hari
14	ISB14ME020	M.Arun Prasad	Arun
15	ISB14ME039	Guru Ganesh.R	Guru
16	ISB14ME035	Benedict Antony.A	B. Antony
17	ISB14ME057	Rakesh.C	Rakesh
18	ISB14ME084	Rohit.M	Rohit
19	ISB14ME085	PARAGHEKAR.R	Parag
20	ISB14ME010	Alfaj R. S	Alfaj
21	ISB14ME062	Pranav Kumar.R	Pranav
22	ISB14ME022	Abhishek Gupta	Abhishek
23	ISB14ME079	Pradeep.M	Pradeep
24	ISB14ME004	Ajay	Ajay
25	ISB14ME064	Manoj.A	Manoj
26	ISB14ME063	MANOJ.S	Manoj

S. Meher
I. V. Co-ordinator

K. Sankar Babu
Head of the Department
23/10/16



Issue Date:
15.04.2016

K. Gondal M.B.B.F.
Head of the Department 22/10

An Efficient Approach to Reduce Network Partitioning Using AMMNET

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Abstract: -- Mobile Ad Hoc Networks (MANETs) are one of the most important and unique applications that enable users to communicate without any fixed network infrastructure. The self-configuring capability of nodes makes it more useful among military applications and crisis management. Though MANETs are very powerful, they suffer from a serious problem known as Network Partitioning. When a Network connection between any two groups of systems fails simultaneously, it results in network partitioning. To overcome this issue, a technique called Autonomous mobile mesh network (AMMNET) has been proposed. The mobile mesh nodes of AMMNETs are used to follow the clients in the application terrain. For larger application terrain, the mesh nodes are capable to adapt a network topology to support intergroup communication. For this a distributed client tracking solution has been implemented which results in dynamic topology adaptation for the mobile clients. AMMNET provides high throughput and packet delivery ratio when compared to other techniques.

Keywords:-- Mobile mesh networks, Dynamic topology deployment, Client tracking

I. INTRODUCTION

Wireless technology has been one of the most developing technologies, and is playing a vital role in the lives of people throughout the world in recent years. Particularly mobile ad-hoc networks are used to communicate without the need of base station around the geographical location. The sharing of data and services with other devices can be adapted easily and the maintenance and replacement of devices are very much reliable in Mobile ad- hoc networks. Here nodes act as routers to transfer the data from source to the destination. Though the MANET has large number of features, it is mainly suffers from a serious problem called network partitioning. Due to this limitation of MANET, it is not desirable to be used in the mission critical applications.

To overcome this problem of MANET, a network named Autonomous Mobile Mesh Network has been developed. A mesh network uses network topology and all nodes cooperate for the distribution of data. It is a form of wireless ad hoc network and it often consists of mesh clients, mesh routers and gateways. MANETs and mesh networks are therefore closely related, but a MANET deals with problems introduced by the

mobility of the nodes. When compared to the other standard wireless mesh networks, the mesh nodes in AMMNETs are in mobile platform. These mobile mesh nodes are capable to follow the clients in the application area and also support topology adaptation. In this way AMMNET makes the MANET robust.

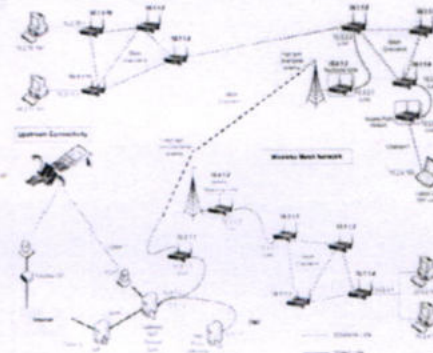


Figure.1. Configuration for a wireless mesh network

II.CLIENT TRACKING SYSTEM IN AMMNET

AMMNET is mainly based on mesh infrastructure and the nodes are mobile in nature. The

device is connected with a position capturing device such as GPS to track the clients in the application terrain. It is not necessary for the client to know about their location but it is necessary to send frequently their beacon messages. After receiving the beacon messages, the mesh nodes easily detect the location of the clients. By having such a capability it provides continuous flow of connection.

According to the current stage in the network the mesh nodes can be classified as Intragroup routers, Intergroup routers and free routers. In Intragroup routers communication occurs within the groups. In Intergroup routers communication takes place with different groups but in free routers no communication is involved in both intra and inter groups.



Figure.2. Client movement

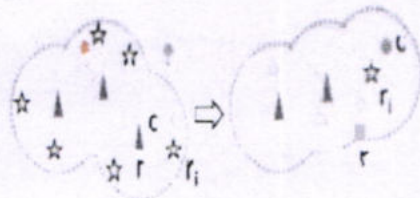


Figure.3. Client Tracking

The operation of the mobile mesh nodes changes while tracking the clients as follows

- ✦ **Intragroup Adaptation** –When the changes happen in the topology the Intragroup routers may adapt themselves according to the network.

- ✦ **Reclamation of the redundant routers**- The node does not participate in any routing activities and deployed for the future use.
- ✦ **Interconnecting Groups** –When the splitting happens in the group, free router change their mode to participate in the interconnecting groups.

III. TOPOLOGY ADAPTATION

By reducing the no of nodes and the long path, two types of adaptations are required namely local adaptation and global adaptation. In local adaptations, the intergroup routers are saved by replacing the independent bridge networks with star network. Generally a star network provides the shorter relay parts and as results low number of router which participating in the intergroup activities.

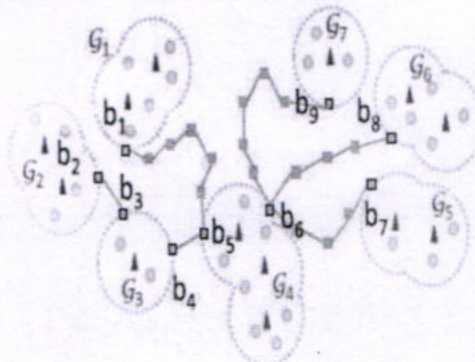


Figure.4. Without adaptation

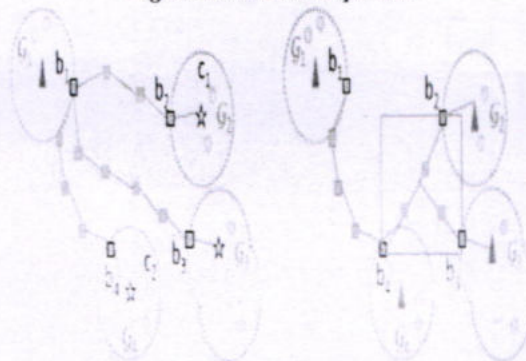


Figure.5. Local Topology Adaptation

The global adaptation is to acquire a large application terrain and it performs the best use of the network globally. The challenge of the network is to achieve the end to end delay and minimization of intergroup routers for subsequent local adaptation. Here the hierarchical star topology is proposed based on R-tree for minimization of intergroup routers. The structure of the R-tree is a multidimensional tree that has a number of M objects into minimum bounding rectangle. At every next higher level in the tree, the M type rectangles are aggregated into larger boundary rectangles. The value of M is determined by applying k-means clustering.

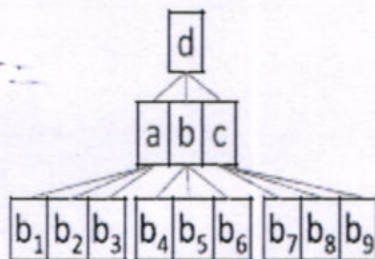


Figure.6. Structure of R-Tree

Consider M is average of the clusters that is

$$M = \frac{\sum_{i=1}^k N_i}{k}$$

Where k-no of clusters

Ci -no of bridge routers in the ith cluster Ci

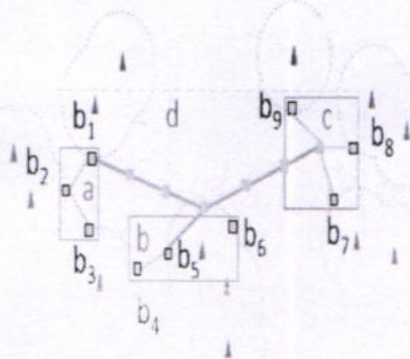


Figure.7. Global Adaptation

IV.PERFORMANCE ANALYSIS

The capability of AMMNET in adapting a dynamic movement of mobile clients and forwarding the data in network is efficient. Here the performance of AMMNET with ORACLE scheme is evaluated. The routers in an AMMNET can be able to adapt their locations using locally cached location information. When the number of free routers of user groups reaches the predefined threshold point, the global adaptation is performed. In ORACLE, the location information of the clients is available due to centralized scheme. It can be used only for the purpose of performance comparison. ORACLE develops the R-tree using the correct location of the mobile users. Though the ability of ORACLE is more enough to transmit the data, this scheme is not suitable for higher density of clients. The figure shows that the average throughput and packet delivery ratio obtained in AMMNETs are higher than that in Oracle scheme.

x Packet Delivery Ratio:

The term Packet Delivery Ratio is defined as the ratio of packets that are successfully delivered to a destination compared to the number of packets that have been sent out by the sender.

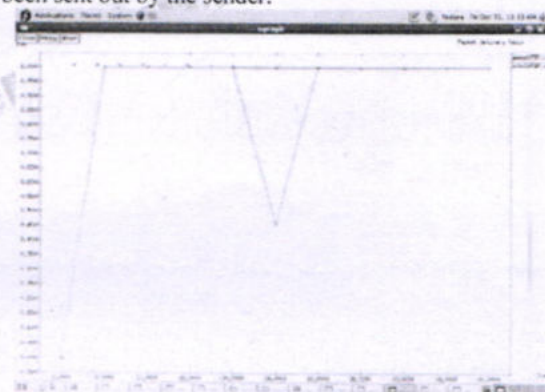


Figure.8.Packet delivery ratio

From Fig.8, the Packet Delivery Ratio for AMMNET is increased and maintained but in ORACLE it reduces.

Throughput:

Network throughput is the average rate of successful message delivery over a communication channel.

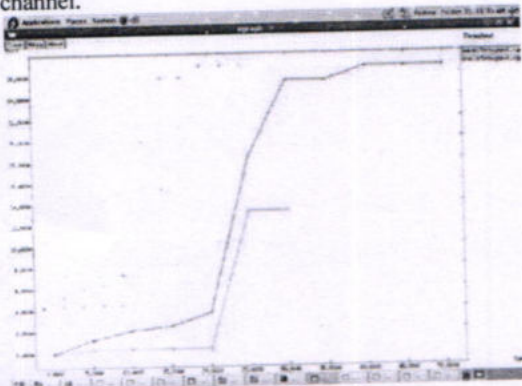


Figure.9. Throughput

From Figure.9, The Throughput for AMMNET has been increased at a higher rate when compared to ORACLE.

VI.RESULT AND DISCUSSION

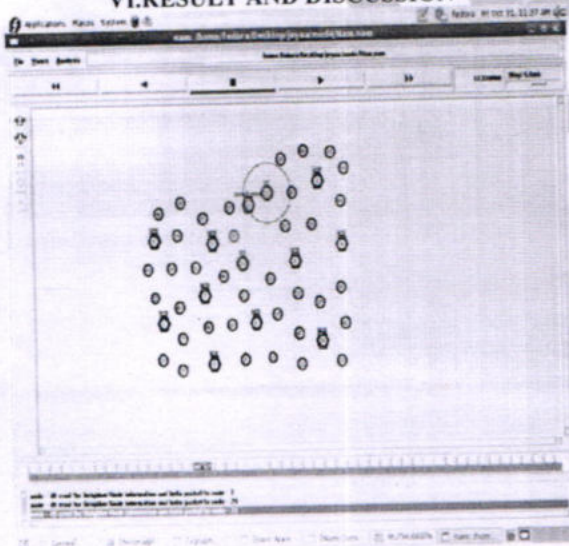


Figure.10. Inter-group Routing

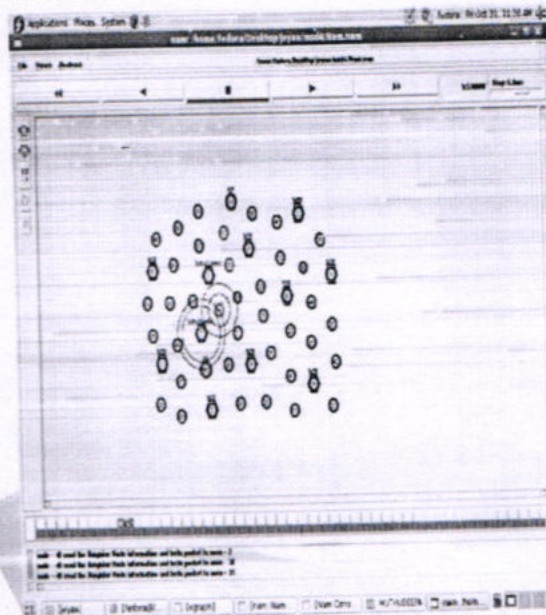


Figure.11. Intragroup Routing

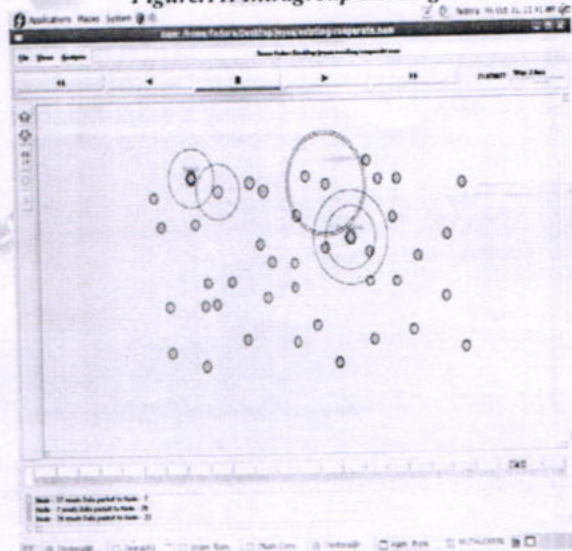


Figure12.Source to destination data transfer

VII.CONCLUSION

Applications involved such as communication in battlefield and crisis management. the mobile users work in dynamically formed groups for a large

application terrain. For such applications there is currently no cost effective solution. Though an AMMNET is an efficient method in reduction of network partitioning still many interesting issues not yet examined such as searching for disappearing mobile clients, minimizing routing paths, utilizing non overlapping channels etc. These challenges can be solved by future research.

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5th International Conference on Applied Science Engineering and Technology

Anekal, Bengaluru, Karnataka, 17th - 18th May 2018

Automatic Mobile Railway Bridge

Rajesh Kumar., Asst.Prof , Sri Sairam College Of Engineering, Bengaluru,INDIA

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Yahiya Ahmed., Mechanical Engineering Department, USN: ISB14ME129, Sri Sairam College Of Engineering, Bengaluru,INDIA

Suresh Babu., Mechanical Engineering Department, USN: ISB14ME114, Sri Sairam College Of Engineering, Bengaluru,INDIA

Sharath Patel., Mechanical Engineering Department, USN: ISB14ME102, Sri Sairam College Of Engineering, Bengaluru,INDIA

Abstract:--

This project is used for automatically close or open the mobile platforms in between the track trains. Normally the mobile platform connects the two platforms through which the passenger can walk on the platform to reach on the next platform The main importance of the project is to avoid accidents mainly caused by crossing the railway track to go to other platform also makes physhically disabled persons to also cross the platform easier. Railway bridge damage status is monitored by the sensor and transfer through wireless modules. For easy surveying and with less delay the information can be send to the authority.

Key words:--

Railway track, bridge, platform, WILD sensor, signal light, motor.

17th-18th May 2018

ICASET - 18

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Organized by:

Sri Sairam College of Engineering, Anekal, Bengaluru, Karnataka
And

Institute For Engineering Research and Publication (IFERP)

Page | 75

CERTIFICATE

OF PARTICIPATION



Sri
SAIRAM
COLLEGE OF ENGINEERING

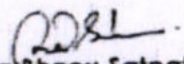
5th International Conference on Applied Science, Engineering and Technology (ICASET-18)

17th - 18th May 2018, Anekal, Bengaluru




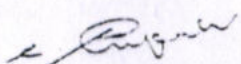
RAJESH KUMAR

This is to certify that
of Sri Sairam College of Engineering presented his/her
research paper titled *AUTOMATIC MOBILE RAILWAY BRIDGE*
..... during the "5th International Conference on Applied Science,
Engineering and Technology (ICASET-18)" held in Sri Sairam College of Engineering, Anekal, Bengaluru on 17th and 18th May 2018.

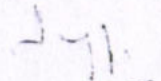

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SSCE, Anekal


Prof. C. Sivaprakash
Program Chair
Professor & Head (ECE)
SSCE, Anekal




Dr. Y. Vijayakumar
Conference Chair
Principal
SSCE, Anekal

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Pedal Operated Water Pumping System

^[1] Madhukesh, ^[2] Madesh.M ^[3] Mahadevaiah.A ^[4] Anil Kumar. D ^[5] Balaji.V

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 Sri Sairam College of Engineering, Bangalore

Abstract: – A Water system includes a reciprocating pump operated by pedaling power. The pump set and includes a housing in which a foot pedal and drive shaft rotate an eccentric pin rotating with the drive shaft moves a connecting rod which in turn causes push rod to move linearly. The pushrod extends into a pressure tight chamber formed above the rising main. A pump rod connected to the push-rod extends to the conventional plunger through verified motion. Here we use the foot pedal pump, powered by our legs instead of arms to lift the water from a depth range of seven meters. Throughout history human, energy has generally been applied through the use of the arms, hands, and back. With minor exceptions, it was only with the invention of the sliding-seat rowing shell, and particularly of the bicycle, that legs also began to be considered as a normal means of developing power from human muscles. A person can generate four times more (1/4 horse power (hp)) by pedaling than by hand –cranking. At the rate of 1/4hp, continuous pedaling can be done for only short periods, about 10 minutes. However, pedaling at half this power (1/8 hp) can be sustained for around 60 minutes. The main use of pedal power today is still for bicycling at least in the high- power range (75 watts and above of mechanical power). In the lower-power range there are a number of use of pedal power for agriculture, construction, water pumping, and electrical generation that seem to be potentially advantages, at least when electrical or internal-combustion engine power is unavailable or very expensive.

I. INTRODUCTION

Pumps come in a variety of sizes for a wide range of applications. They can be classified according to their basic operating principle as dynamic or displacement pumps. Dynamic pumps can be sub-classified as centrifugal and special effect pumps. Displacement pumps can be sub-classified as rotary or reciprocating pumps. In principle, any liquid can be handled by any of the pump designs. Where different pump designs could be used, the centrifugal pump is generally the most economical followed by rotary and reciprocating pumps. Although, positive displacement pumps are generally more efficient than centrifugal pumps, the benefit of higher efficiency tends to be offset by increased maintenance costs.

A centrifugal pump is of a very simple design. The two main parts of the pump are the impeller and the diffuser. Impeller, which is the only moving part, is attached to a shaft and driven by a motor. Impellers are generally made of bronze, polycarbonate, cast iron, stainless steel as well as other materials. The diffuser (also called as volute) houses the impeller and captures and directs the water off the impeller. Water enters the center (eye) of the impeller and exits the impeller with the help of centrifugal force. As water leaves the eye of the impeller a low-pressure area is created, causing more water to flow into the eye. Atmospheric pressure and centrifugal force cause this to happen. Velocity is developed as the water flows through the impeller spinning

at high speed. The water velocity is collected by the diffuser and converted to pressure by specially designed passageways that direct the flow to the discharge of the pump, or to the next impeller should the pump have a multi-stage configuration. The pressure (head) that a pump will develop is in direct relationship to the impeller diameter, the number of impellers, the size of impeller eye, and shaft speed. Capacity is determined by the exit width of the impeller. The head and capacity are the main factors, which affect the horsepower size of the motor to be used. The more the quantity of water to be pumped, the more energy is required.

Reciprocating pumps are those which cause the fluid to move using one or more oscillating pistons, plungers or membranes (diaphragms). To 'Reciprocate' means 'To Move Backwards and Forwards'. A 'RECIPROCATING' pump therefore, is one with a forward and backward operating action. The simplest reciprocating pump is the 'Bicycle Pump', which everyone at some time or other will have used to re-inflate their bike tyres.

Reciprocating-type pumps require a system of suction and discharge valves to ensure that the fluid moves in a positive direction. Pumps in this category range from having "simplex" one cylinder; to in some cases "quad" four cylinders or more. Most reciprocating-type pumps are "duplex" (two) or "triplex" (three) cylinder.

Furthermore, they can be either "single acting" independent suction and discharge strokes or "double acting" suction and discharge in both directions. The pumps can be powered by air, steam or through a belt drive from an engine or motor. This type of pump was used extensively in the early days of steam propulsion (19th century) as boiler feed water pumps. Reciprocating pumps are now typically used for pumping highly viscous fluids including concrete and heavy oils, and special applications demanding low flow rates against high resistance.

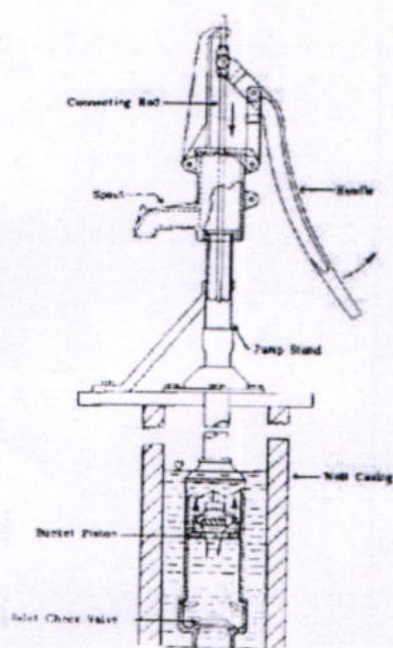


Fig. Reciprocating pump

II. DEFINITION OF PROBLEM

During summer season, due to water scarcity problem the people purchasing the water from lorry by collecting the water through their pots. These pots are carried by the men or women and getting tired when carrying water through staircase step those who are living in flat system. When this unit is installed in first floor of the building, the suction pipe is put in to the water delivery pipe of lorry and water is delivered through the flexible pipe to the required collecting point by pedaling this unit.

III. SCOPE OF THE PROJECT

- ❖ The outstanding advantage of water discharging system from the ground floor to first floor or discharging the water from the lorry to the collecting

point by simply pedaling this unit.

- ❖ The water is carried by the flexible tube relieves the stress free painstaking water carrying through the pot while in staircase walking.
- ❖ Simple construction and less effort and costless maintenance and anybody can work this unit.
- ❖ Operation is very smooth and in this system we can get more output by applying less effort.

IV. WORKING PRINCIPLE

Pumps are a common means of lifting water from a clean ground water source to a useful point of access, but all pumps have moving parts and are therefore destined to break proper selection of a pump will reduce undesirable downtime and will empower the local community to manage their water source. Here we use the foot pedal pump, powered by our legs instead of arms to lift the water from a depth range of seven meters. Throughout history human, energy has generally been applied through the use of the arms, hands, and back. With minor exceptions, it was only with the invention of the sliding-seat rowing shell, and particularly of the bicycle, that legs also began to be considered as a normal means of developing power from human muscles. A person can generate four times more (1/4 horse power (hp)) by pedaling than by hand –cranking. At the rate of 1/4hp, continuous pedaling can be done for only short periods, about 10 minutes. However, pedaling at half this power (1/8 hp) can be sustained for around 60 minutes. The main use of pedal power today is still for bicycling at least in the high-power range (75 watts and above of mechanical power). In the lower-power range there are a number of use of pedal power for agriculture, construction, water pumping, and electrical generation that seem to be potentially advantages, at least when electrical or internal-combustion engine power is unavailable or very expensive.

V. CONSTRUCTION

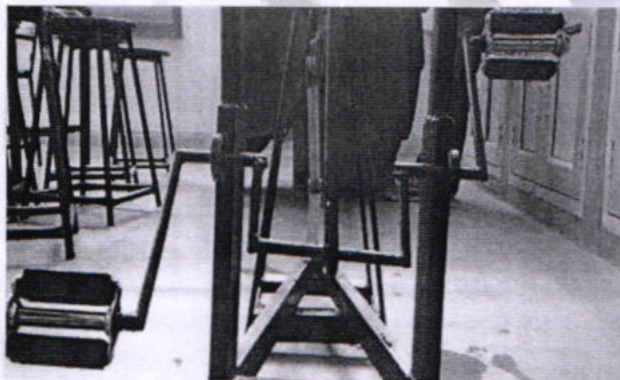
5.1 HAND PUMP:-

Hand pumps are manually operated pumps; they use human power and mechanical advantage to move fluids or air from one place to another. They are widely used in every country in the world for a variety of industrial, marine, irrigation and leisure activities.

**Fig. Hand Pump**

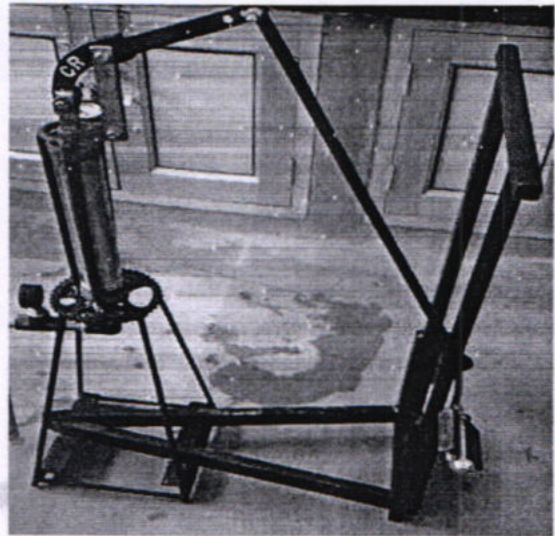
5.2 PEDAL ARRANGEMENT

This type link is used to connect the piston rod and foot step mechanism. This link is very sturdy due it will withstand cyclic load. Pedaling a modern stationary bicycle to produce electricity might be a great work-out, but in many cases, it is not sustainable. While humans are rather inefficient engines converting food into work, this is not the problem we want to address here; people have to move in order to stay healthy, so we might as well use that energy to operate machinery. Pedal Arrangement The trouble is that the present approach to pedal power results in highly inefficient machines

**Fig. Pedal Arrangement**

5.3 ROD

It is connect the piston and foot pedal. It is also used push the piston according to the foot pedal action. Rod is used to connect the piston and foot pedal pump link. The maximum pressure is achieved pumping lifting height. It will convert angularity motion to linear motion

**Fig. Rod**

5.4 VALVE

Forged ball valve is used to start or stop the flow of water from outlet port as desired. The main requirements of valves are a good seal when closed combined with lack of resistance to flow when they are open, and rapid opening and closing while achieving good durability. Usually rubber or alternatively precision ground metal mating surfaces are necessary to ensure there are no leakage gaps when the valve is closed. Effective sealing is particularly important with foot valves.

**Fig. Valve**

5.5 PIPE FITTINGS

Different pipe fittings are used :-

1. 90° bend
2. Round Elbow

3. Straight normal pipe

4. Standard Tees

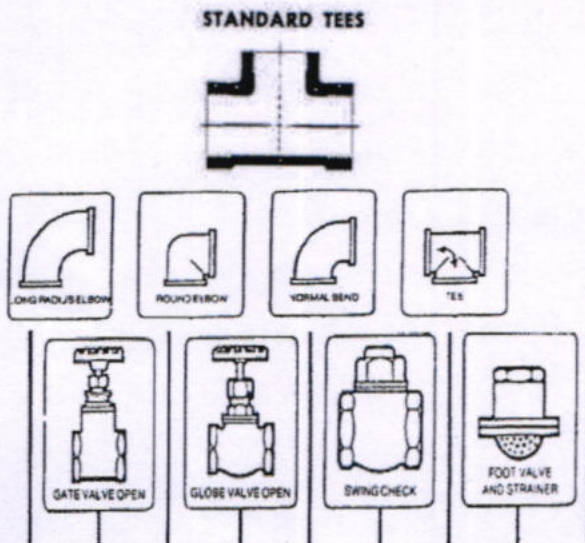


Fig. Pipe Fittings

5.6 Pressure Measuring gauges

It is often convenient to express pressure in terms of the height of a column of water, in meters or feet, instead of terms of psi or kPa. This is called pressure head. Two Pressure measuring gauges are used i.e., for Suction and Exhaust Delivery Pressure gauge.

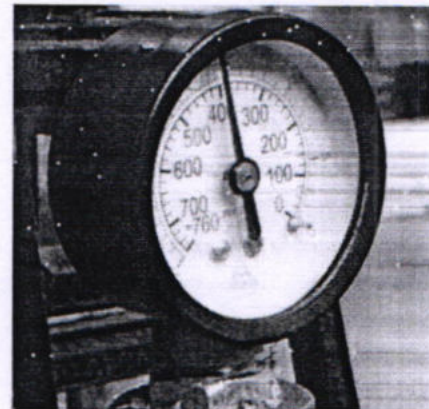
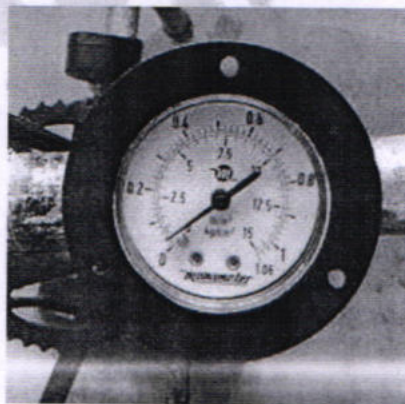


Fig. Gauges

7.7 Supporting frame :- It acts as base stand for the hand pump and supports all moving and non-moving parts attached the pump.

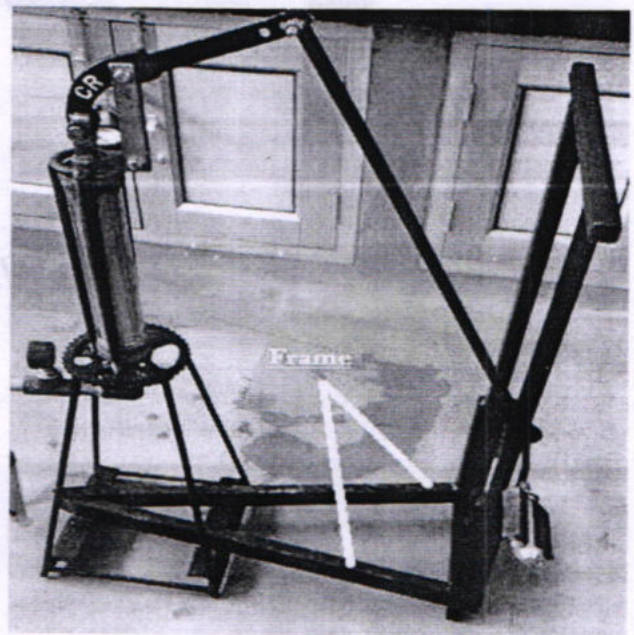


Fig. Frame

VI. ADVANTAGES

1. Single person is enough to operate this efficiently to pump the water from the sump..

2. Easy and efficient handling of this unit without wastage of water or damage to unit, pump and to any other parts.
3. Low maintenance cost and life of equipment also increased..
4. Least maintenance of the equipment.
5. Need not require any individual work place.
6. Can be worked in the work spot.
7. Suited for pumping water for 15 feet to 20 feet depth.

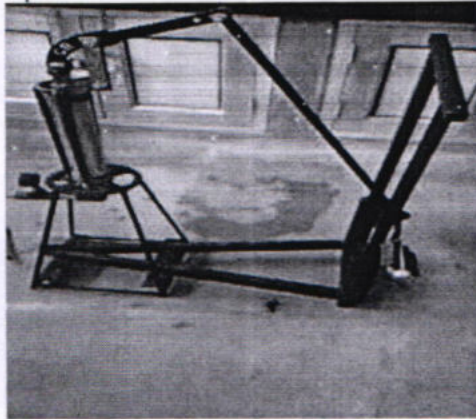


Fig. PEDAL PUMP

VII. CONCLUSION

This modeling was centered towards the development of a hand pump by operating it with help of Pedals that would conveniently alleviate the portable water supply problems of rural communities throughout the underdeveloped and developing countries of the world at minimum energy input.

The requirement of Village Level Operation and Management (VLOM) of maintenance was considered in the course of this modeling. The model can be fabricated in the workshops as the design is made simple, while the standard parts like bearings, bolts and nuts, etc., are readily available locally.

It has been argued that current models of plunger pumps are inadequate in respect of the complex interactions which take place between the pump and attached pipelines. These arise because of the distributed parameter nature of the pipelines and because of cavitation. A finite difference method for modelling pipelines, based on a Galerkin method incorporating frequency-dependent friction, has been proposed. This approach circumvents the computationally

intensive demands associated with the use of the method of characteristics.

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REPORT ON TWO DAY FACULTY DEVELOPMENT PROGRAM ON 19TH &
20TH JAN.2018

Empower Yourself

Expanding its legacy in the empire of education for the past twenty years, as a momentous and anticipatable competence for every semester, Sri Sairam College of Engineering has organized two days' Faculty Development Program on "Empower Yourself". Considering the faculty as one of its most important assets, this program has been initiated and arranged for the determined, personal and proficient expansion of the entire faculty, which is extremely mandatory for the expansion of the organization.

The two days' schedule was enthusiastically well anticipated, arranged and accomplished successfully by the Department of Science and Humanities on 19th and 20th January 2018.

The preliminary function was inaugurated with the invocation song to lord Ganesh by Prof. Ramya R. All the Dignitaries, The Vice Principal Dr. B. Sadaksharappa, Management Representative Dr. R. ArunKumar, PRO, Mr. Patel, Trust Office Manager, Mr. Maheshwar, Chief Guest, Mr. Prabhudeva V H, PH Yoga Foundation Bengaluru, and all the concern Department HOD'S were invited to light the lamp.

The vice Principal, Dr. B. Shadakshrappa in his invitational address expressed a profound gratitude to our beloved Chairman Late Sri MJF. Lion LeoMuthu and CEO Sri Sai Prakash LeoMuthu for approving, accepting and promoting the proposal to organize two days' workshop on faculty expertise development program. He invited back the entire faculty from the vacation to the two days' workshop. He introduced the Chief guest, Mr. Prabhudeva, and Mr. Phanendra, Guest of Honor, emphasizing the Significance of FDP Programs to upgrade the faculty skills to engender quality results with quality Teaching.

The Management Representative, Dr. R. Arun Kumar, in his presidential address, mentioned about the Faculty handling the multiple responsibilities should take care of their health as well. Yoga is one of the best solutions to come out of stress, the other physical ailments and problems to resolve them through the yoga. He also appreciated the effort taken by department of Science and Humanities in hosting FDP to enrich the faculty fraternity of the institution.

The Chief Guest, Mr. Prabhudeva, in his special address articulated an exceeding delighted to join the FDP Program at SAIRAM. He appreciated the Management for organizing such FDP's and also the faculty for participating in such a prominent program, which is always a continuously process to contribute for the expansion of any organization.

Vote of thanks was proposed by Professor Jyothi Sireesha A, S&H Department. On behalf of the entire faculty, she extended an immense

gratitude to the management for arranging a two days' faculty development program. She also mentioned the resource personnel, who in spite of their demanding schedule, accepted the invitation and made this program an extraordinary accomplishment. Also mentioned about the meticulous efforts by the Department of Science and Humanities to make this program an enormous success.

As per the schedule,

On the first day, (19th January 2018): In the first session, Mr. Phanendra, Yoga exponent conveyed a comprehensive and detailed session on "Yoga and its benefits". He demonstrated few yogic warmup exercises, followed by different types of surya -namaskaras, and also couple of exercises for healthy life.

In the second session, Mr. Phanendra, explained about the benefits of healthy eating habits, leading a healthy life style and the tips for the reducing the BP, Diabetes, Gastric Disorders naturally with the moringa leaves, Beetroot and carrot juice.

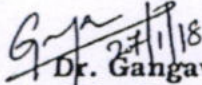
In the third session, Mr. Prabhudeva, explained the benefits of Yoga. On the second day (20th January 2018): In the first session, Mr. Ravi Ram Chandra, yoga trainer from *The Art of Living, Bengaluru*, explained regarding the Introduction to Yoga & Pranayama and demonstrated few breathing exercises followed by Suryanamaskaras.

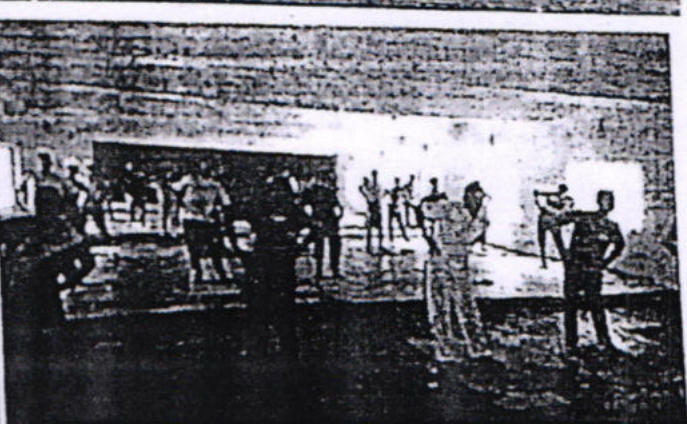
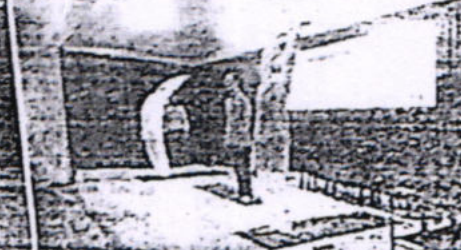
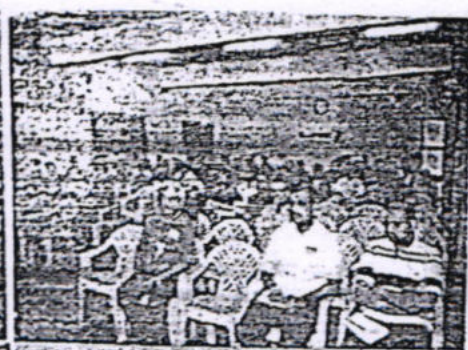
In the second session, Mr. DevaRajan Ramakrishnan, yoga trainer from *The Art of Living, Bengaluru*, displayed a video on the Art of Living and explained about the nutritional benefits of some food grains and its various methods of preparation for healthy life.

In the third session, Mr. Naresh Gamineni, yoga trainer from *The Art of Living, Bengaluru*, explained about the benefits of Yoga practices and remedies for few health issues.

Valedictory ceremony was arranged and the certificates were distributed to all the Associates in the Sairam family on their successful accomplishment of the two days' faculty development program.

A divergent feedback was conveyed by the entire faculty in person regarding the optimistic response with the written statements concerning all the resourceful personalities invited for the two days' skills enrichment program. The entire faculty precisely commended and acknowledged an outstanding experience on all the two days. The entire Sairam family conformed a positive experience from every address by all the invited personalities on all the two days.


Dr. Gangavathi. P
Head of the Department
Science and Humanities





SAIRAM
COLLEGE OF ENGINEERING

Formerly Shirdi Sai Engineering College

ISO 9001 : 2008 Certified Institution

Approved by AICTE, New Delhi

Recognised by Govt. of Karnataka & Affiliated to VTU, Belagavi

Anekal, Bengaluru

SSCE/Est./2017-18 / 001

10/08/2017

Note Submitted to the Chairman, SSCE, Bengaluru

Sub: Report on Two days in house FDP-Brief Report-Reg.

With reference to the above subject, we are glad to inform you that we have successfully conducted two days Faculty Development Program on "FACTO2K17" (Funding, Authoring, Counseling, TQM, Opportunity & Entrepreneurship) scheduled on 2nd & 3rd Aug 2017 for the benefit of faculty members.

The program was successful and it is useful for faculty.

A brief report submitted by the Department is enclosed for your perusal.

Thanking you

Yours truly,

PRINCIPAL

Encl: Brief Report form S & H Department

SRI SAIRAM COLLEGE OF ENGINEERING
ANEKAL, BANGALORE- 562106
REPORT ON TWO DAYS FACULTY DEVELOPMENT PROGRAM

Delineating its bequest in the empire of education for the past twenty years, as a momentous and anticipatable competence for every semester, Sri Sairam College of Engineering has organized two days' Faculty Development Program on "FACTO2K17". Considering the faculty as one of its indispensable and absolute assets, this program has been initiated and arranged for the indomitable, subjective and adept for the expansion of all the faculty, which is extremely mandatory for the resolute authority and vitality of the organization.

The two days' schedule was ardently well anticipated, arranged and consummated pedantically by the Department of Science and Humanities on 2nd and 3rd August 2017. Due to the unavailability of the time, the third day expedition program for the faculty is yet to be planned shortly.

The preliminary function was inaugurated with the invocation song to lord Ganesh by Sahana and team. All the Dignitaries, The Vice Principal Dr. B. Sadaksharappa, Management Representative Dr. R. ArunKumar, PRO, Mr. Patel, Trust Office Manager, Mr. Mahesh, Chief Guest, Dr. Gurumurthy Hegde, Professor, CNR Rao, Chair, Professor Head, Center for Nano - Materials and Display BMS R & D Center, BMS CE, Bengaluru & Director, Career Development Center, Government of India, and all the concern Department HOD'S were invited to light the lamp.

Dr. Gangavathi, Convener, of the program introduced the Guest of the day, Dr. Gurumurthy Hegde, to the imposing gathering.

Vice Principal, Dr. B. Shadaksharappa in his invitational discourse expressed a profound gratitude to our beloved Chairman Late Sri MJF. Lion LeoMuthu and CEO Sri Sai Prakash LeoMuthu for approving, accepting and promoting the proposal to organize two days' workshop on faculty expertise development program. He invited back the entire faculty from the vacation to the two days' workshop on "FACTO2K17". He introduced the Chief guest, Dr. Gurumurthy Hegde, emphasizing the Significance of FDP Programs to upgrade the faculty skills to engender quality results with quality Teaching.

Dr. Harikrishna, in his discourse, asserted regarding the significance of FDP "FACTO2K17" and cited the fact of inviting the outhouse faculty for this FDP for the first time in the history of SAIRAM. The expected outhouse faculty were only 25 and the reported faculty were 28 for the FDP from assorted colleges in Bengaluru and Tamilnadu as well.

Management Representative, Dr. R. Arun Kumar, in his distinctive dialogue expounded about the current scenario of the Technological Education, where the placement season is exceedingly low with only 66%, the dire need to ensure 100% placement to the students', the predominant prerequisite and obligatory is NAAC and NBA Accreditation. he advised all the faculty to deliberate on Books, Paper publications in the National and International publications and conferences as well, with the patent filing to be the crucial preference. He applauded the First ranker Mrs. Bindu, ECE Department, for her incomparable academic performance in the VTU Examinations.

The Chief Guest, Dr. Gurumurthy Hegde, in his special address articulated exceeding ecstatic to join the FDP Program at SAIRAM. He appreciated the Management for organizing such FDP's and also the faculty for participating in such a prominent program, which is always incessantly endure to be a contributory issue for the expansion of any organization.

Vote of thanks was proposed by Professor Shiva Prakash, Head, ECE Department. On behalf of the entire faculty, he extended an immense gratitude to the management for arranging a two days' faculty development program. he also ascribed the resource personnel, who in spite of their demanding schedule, accepted the invitation and adorned the occurrence and made this program an extraordinary accomplishment. Predominantly the Science and Humanities Department for their conscientious efforts to make this program an enormous success.

As per the schedule,

On the first day, (2nd August 2017): In the first session, Dr. Gurumurthy Hegde, conveyed a comprehensive and detailed sermon on "Funding and Research Bodies". He advised the faculty to possess right objective and determination to accomplish them in adopting the right thing in the right time with the right efforts incorporated, can always guide you to achieve greater heights and possessions in life. He also spoke regarding the significance of quality research and publications, assorted funding agencies, Libraries' and websites associated with them.

In the second session, Mrs. Shilaja Sasthri, Founder, Director of Training and Research Initiatives (TRI), Trainer, Researcher and Counsellor, expounded a comprehensive oration on "Counseling and Motivation for the typical student's behavior, attitude and psychology". She elucidated the challenges' and role of a teacher in teaching the current generation of students' to train them fetching the excellence with respect to their contemporary classroom learning situation, student's attitude & behavior, medium of study and educational back ground as well.

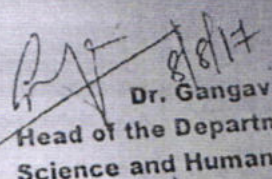
On the second day (3rd August 2017): In the first session, Mr. Omprakash N Seringeri, Founder director IPR Attorney, Bengaluru, expounded regarding the Opportunities' and entrepreneurs - IPR & Patent skills, assorted predominant patent services. He mentioned about the top Universities' in the world that does afford approximately 200 to 500 million dollar concerning patenting with certain priorities and parameters which can be measured and based on the admissibility of the patents. Predominantly he focused on four parameters such as Skilis and Resources, Objective or target, Dependency Factor, Protection and security of the business in detail, where all the four are interrelated.

In the second session, Mr. Rajanikant Srivastava, Managing Director, Greenberry Management Consulting and Solutions, Bengaluru, conveyed a dialogue concerning the Application to TQM in Educational Institution, Quality Circle Training & other TQM tools. He profoundly focused on assorted Quality parameters' such as Size & Structure of the Quality Circle, Basic Principals of the Quality Circle, Benefits of the Quality Circle, Problems with the Quality Circle, Reasons for the failure of the Quality Circle with the TQM Endeavors' and certain Solutions for all the above cited TQM Endeavors'.

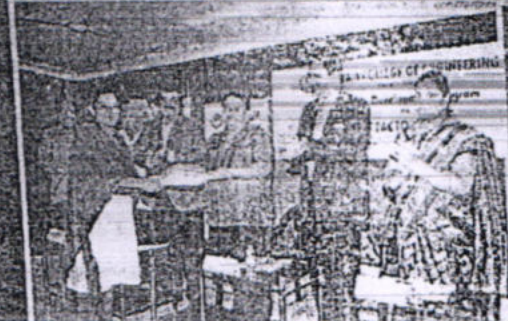
In the third session, Dr. R B Gaddagimath, Dean - Learning Resources and Academic Support, Acharya Institutes, Soladevanahalli, Bengaluru, exemplified concerning the current prerequisite of the Research Paper Publishing in the field of Science and technology, the Journals, peer Review, Choosing the right Journal for Publications, Types of publications, and also regarding certain parameters' such as the Quality and Quantity Procedures to while publishing a paper, books etc.

Valedictory ceremony was arranged and the certificates were disseminated to all the Associates in the Sairam family on their successful accomplishment of the two days' faculty expertise escalation program. A divergent feedback elucidation was conveyed by the entire faculty in person regarding the ample portrayal, appraisal and optimistic response with the written statements concerning all the resourceful personalities invited for the two days' skills enrichment program. The entire faculty precisely applauded and acknowledged an opulent experience on all the two days. The entire Sairam family conformed an immeasurable and exquisite affluence from every address by all the ingenious personnel invited on all the two days' and placed a unique appeal to the management to protract the prevalence of these genres of programs as well.

Vote of thanks was proposed by the Placement Officer, Mr. Bheemeshawar Reddy. On behalf of the entire faculty, he extended an immense gratitude to the management for arranging a two days' faculty development program. he also ascribed the resource personnel, who in spite of their demanding schedule, accepted the invitation and adorned the occurrence and made this program an extraordinary accomplishment, Predominantly the Science and Humanities Department for their diligent efforts to make this program a gargantuan accomplishment.


Dr. Gangavathi
Head of the Department
Science and Humanities







SHIRDI SAI ENGINEERING COLLEGE

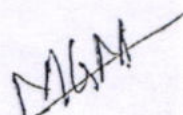
ANEKAL, BANGALORE-562106

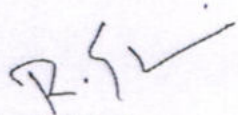
Date :26.02.2013

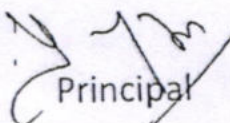
Circular

Sub : CREATING NEW VENTURES - Reg.

With reference to the above sub, it is hereby brought to the notice of all the students of the Electrical & Electronics department that the seminar on "CREATING NEW VENTURES" is arranged on the date 27.02.2013 to 09.03.2013. Students are cordially invited and participate in full strength to make use of the seminar effectively.


Faculty co-ordinator


Head of the Department
Electrical & Electronics Engineering
Sri Sairam College of Engineering
Anekal, Bangalore - 562 106.


Principal

SHIRDI SAI ENGINEERING COLLEGE

ANEKAL, BANGALORE-562106



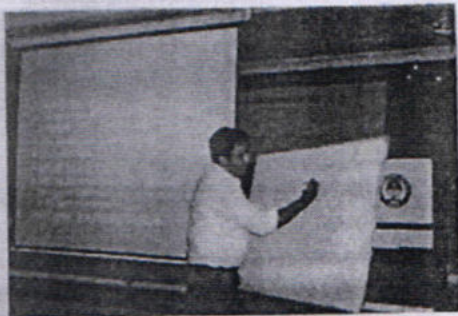
Submitted,

Date: 15.03.2013

Subject: Report on Entrepreneurship Development Cell organizes 4 Day Workshop-
Reg

With reference to the above Subject, Entrepreneurship Development Cell organizes 4 Day Workshop on " Entrepreneurship Development Cell organizes 4 Day Workshop on "CREATING NEW VENTURES – An Alternative Career Path " for the Final Year & Pre – Final Year students on 27 th & 28th of Feb, 2013 and 8th & 9th of Mar, 2013 at our college.- An Alternative Career Path " for the Final Year & Pre – Final Year students on 27 th & 28th of Feb, 2013 and 8th & 9th of Mar, 2013 at our college.

<http://sairamce.edu.in/entrepreneurship-development-cell-organizes-4-day-workshop-entrepreneurship-development-cell-organizes-4-day-workshop-creating-new-ventures-alternative-career-path-final-yea-2/>



M. S. V.
HOD/Coordinator

[Signature]
Principal



SHIRDI SAI ENGINEERING COLLEGE

Anekal, Bangalore-562106

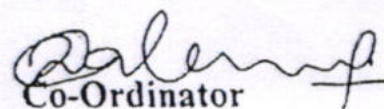
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**REPORT ON PROGRAMMING IN C AND ITS IMPORTANCE IN IT
INDUSTRY GUEST LECTURE**

3/9/2014

Programming in c and importance in IT industry guest lecture had been conducted on 30 August 2014 for third semester students of Department of Computer Science and Engineering in our campus. Almost students attended the guest lecture with all enthusiasm. The resource person Mr. Govardan alumni SSCE conducted the guest lecture very effectively.

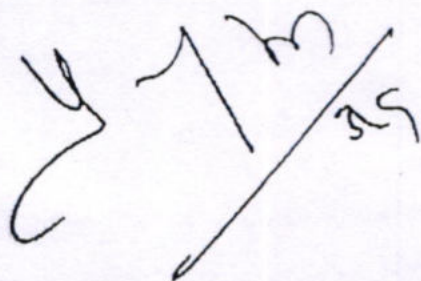
Two sessions had been conducted in which students were given knowledge about the programming in c and its importance in IT industry. Finally, students gained confidence in their programming skill in c and its importance. The student's feedback was positive and they felt that the session was informative and useful.

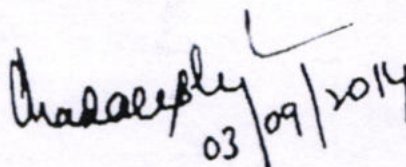

Co-Ordinator

Prof. P Kalamani

Assistant professor, CSE

Shirdi Sai Engineering College

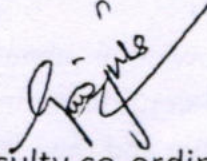

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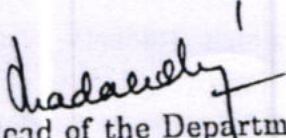

03/09/2014
HOD/CSE

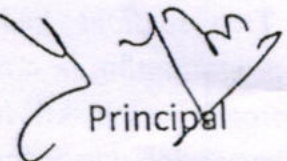
Circular

Sub : Programming in C and its importance in Industry - Reg.

With reference to the above sub, it is hereby brought to the notice of all the students of Computer Science Engineering department that the seminar / workshop on "Programming in C and its importance in Industry" scheduled on 30.08.2014. Students are cordially invited to participate in full strength to make use of the seminar effectively.


Faculty co-ordinator


Head of the Department
Department of Computer Science & Engg.
SHIRDI SAI ENGINEERING COLLEGE
Sai Leo Nagar, Anekal, Bangalore-562 106.


Principal



SHIRDI SAI ENGINEERING COLLEGE

ANEKAL, BANGALORE-562106

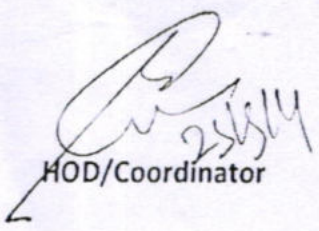
Date:23.09.2014

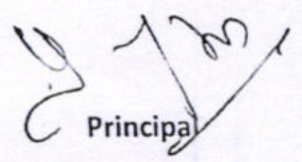
Submitted,

Subject: Report -Seminar- IP Routing working with real time WAN Connections-Reg.

With reference to the above subject, Seminar- IP Routing working with real time WAN Connections was conducted by Mrs.Anitha R,Livewire ,CADD Centre Training & Services Pvt.Ltd, Bangalore on 22.09.2014. The Seminar was conducted for Second Year Students .

Students were demonstrated how to configure WAN on a router, create a WAN IP address and also how to set up an Wan connection. Session was interactive and students felt the seminar was informative and exposed the recent trends in internet technology.


HOD/Coordinator

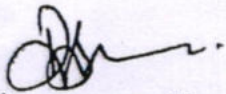

Principal

Date :21.09.2014

Circular

Sub : IP Routing working with the real time WAN Connections - Reg.


With reference to the above sub, it is brought to the notice of all the students of the the Electronics & Communication department that a seminar on "IP Routing working with the real time WAN Connections" is arranged on the date Monday, September 22, 2014. You are cordially invited and your participation in full strength is expected, for the effective utilisation of the programme.



Faculty co-ordinator



Head of the Department
Dept. of Electronics & Communication Engineering
Sri Sairam College of Engineering
Anekal, Bengaluru - 562 106.




Principal


Date:03.10.2016

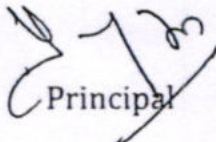
Circular

Sub : Technology commercialization - Reg.

With reference to the above sub, it is brought to the notice of all the students of the department of Electronics & Communication Engineering that a seminar on "**Technology commercialization**" is arranged on the date Monday, October 3, 2016. You are cordially invited and your participation in full strength is expected, for the effective utilisation of the programme.


Faculty co-ordinator


Head of the Department


Principal



SAIRAM
COLLEGE OF ENGINEERING
Formerly Shirdi Sai Engineering College

ISO 9001 : 2008 Certified Institution
Approved by AICTE, New Delhi
Recognised by Govt. of Karnataka & Affiliated to VTU, Belgaum
Anekal, Bengaluru



Dept. of ECE

51

Date: 05.10.2016

Submitted,

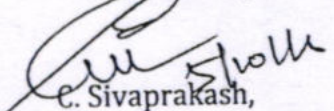
Sub: Report on Technology commercialization- Reg.

Technology commercialization is the process of transitioning **technologies** from the research lab to the **marketplace**. This is accomplished in many ways: through educating students, publishing results of research and ensuring that inventions are developed into useful products and services for the benefit of the public. With respect this subject we have conducted a Seminar for ECE VI Semester Students on 03.10.2016. In the seminar the students were informed about **Technology commercialization** by Mr.Gowri Shankar, Engineer, Core research group,Bangalore.

The seminar was organised for 6thsem students and 70 students with 4 faculty participated. The student's feedback was positive, and they felt that the session was informative and learnt about sharing of skills , knowledge and facilities for commercialization.

Thanking You,

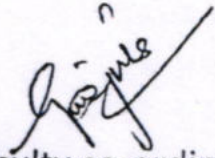
Yours Sincerely,

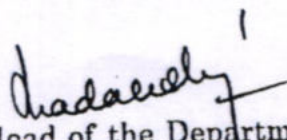

C. Sivaprakash,
Head of the Department, ECE

Circular

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Faculty co-ordinator


Head of the Department
Department of Computer Science & Engg.
SHIRDI SAI ENGINEERING COLLEGE
Sai Leo Nagar, Anekal, Bangalore-562 106


Principal



SHIRDI SAI ENGINEERING COLLEGE

Anekal, Bangalore-562106

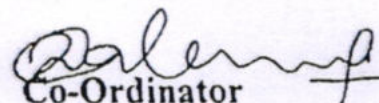
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3/9/2014

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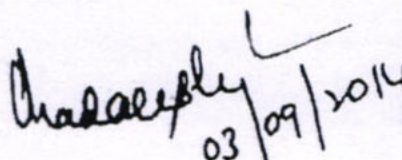
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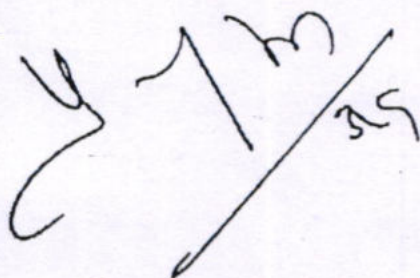

Co-Ordinator

Prof. P Kalamani

Assistant professor, CSE

Shirdi Sai Engineering College


03/09/2014
HOD/CSE


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SHIRDI SAI ENGINEERING COLLEGE

ANEKAL, BANGALORE-562106

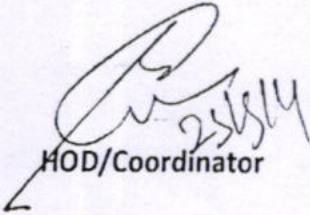
Date:23.09.2014

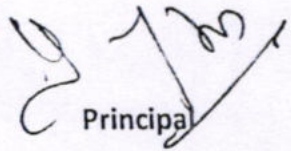
Submitted,

Subject: Report -Seminar- IP Routing working with real time WAN Connections-Reg.

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HOD/Coordinator


Principal

Date :21.09.2014

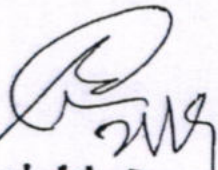
Circular

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Faculty co-ordinator



Head of the Department
Dept. of Electronics & Communication Engineering
Sri Sairam College of Engineering
Anekal, Bengaluru - 562 106.



Principal



Sri

SAIRAM COLLEGE OF ENGINEERING

(An ISO 9001 certified institution) Formerly SHIRDI SAI ENGINEERING COLLEGE

Managed by Saphthagiri Educational & Charitable Trust

Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka & Affiliated to Visvesvaraya Technological University, Belgaum.

Campus : Sai Leo Nagar, Guddanahalli (PO), Anekal, Bangalore - 562 106. Tel: +91-80-27830221, 27840631 / 632. Fax: +91-80-27830355.



SSCE/NAAC/2019-20/201

23.5.2019

To

The Director
National Assessment & Accreditation Council (NAAC)
P.B.No.1075
Nagarabhavi
Bengaluru - 560 072

Dear Sir

Sub: Clarification for IIQA - Reg.

With reference to your e-mail dtd. 17th May 2019, with regard to clarification of IIQA submitted by us, we have attached the AICTE Extension of Approval letter granted to our Institution for the Academic Year 2019-20, The University Affiliation Letter for all UG Programs for the Academic Year 2019-20 as requested in your mail has not been provided by the University so far.

Accordingly, we hereby attached the fee paid to University for the renewal of Affiliation for the Academic Year 2019-20 and the copy of valid VTU Affiliation letter for the Academic Year 2018-19, received from VTU is attached herewith for your kind reference.

Thanking you

Yours faithfully

PRINCIPAL

- Encl: 1) Copy of AICTE EOA for the Academic Year 2019-20
2) Fee paid for VTU Extension of Approval for the Academic Year 2019-20
3) Valid VTU Affiliation letter for the Academic Year 2018-19



Dr. Y. VIJAYA KUMAR

Principal

Sri Sairam College of Engineering
Sai Leo Nagar, Guddanahalli Post,
Anekal, Bengaluru - 562 106.



Sri SAIRAM COLLEGE OF ENGINEERING

(An ISO 9001 certified institution) Formerly SHIRDI SAI ENGINEERING COLLEGE

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Campus : Sai Leo Nagar, Guddanahalli (PO), Anekal, Bangalore - 562 106. Tel: +91-80-27830221, 27840631 / 632. Fax: +91-80-27830355.



SSCE/VTU/Affiliation/2018-19/ 001

05.09.2018

To

The Registrar
Visvesvaraya Technological University
"Jnana Sangama" Campus
Santisbastawad Road
Machhe, Belagavi - 590 018

Sir,

Sub: VTU Affiliation - Continuation / Extension of Approval - Academic Year 2019-20 & Continuation of Recognition of Research Centre for Mechanical Engineering - Hard Copy - Submission - Reg.

Ref: Notification: -

- 1) VTU/BGM/Aca-OS/Affln/2019-2020/3375 dated 26.07.2018.
- 2) VTU/BGM/Aca-OS/Affln/2019-2020/4124 dated 18.08.2018.

With reference to the above subject, please find enclosed herewith the Hard Copy of Reports downloaded from VTU website Continuation / Extension of Approval for our Institution & Continuation of Recognition of Research Centre for Mechanical Engineering for the Academic Year 2019-20 for your reference and perusal. The online submission of the above has been submitted on 05th September 2018.

The Prescribed fee Rs. 1,38,000/- (Rs. One Lakh Thirty Eight Thousand Only) duly transferred through NEFT UTR No. - P -18090397087749 dated 03.09.2018 from Syndicate Bank, Anekal Branch Bengaluru. We request you to Grant Continuation / Extension of Approval to our Institution & Continuation of Recognition for Research Centre for Mechanical Engineering for the Academic Year 2019-20 to our Institution at the earliest.

Thanking you

Yours faithfully



PRINCIPAL
Sri Sairam College of Engineering
Sai Leo Nagar, Guddanahalli Post,
Anekal, Bengaluru - 562 106

Sairam INSTITUTIONS



RTGS / NEFT APPLICATION FORMS

Bank Name : Syndicate Bank Branch : Anekal Date : 03.09.2018.

Name of the Ordering Customer : Sri Sairam College of Engineering

Account Number : 04373070003426.

Cheque No : 553869, Date: 03.09.18

Amount Remitted : 1,38,000/- (Rs One Lakh Thirtv Eight Thousand only)

Pan Number : AACTS0033M

Name of the Beneficiary : Finance Officer, VTU, Belagavi.

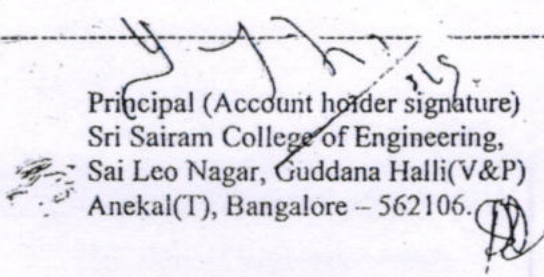
Name of Branch : State Bank of India,
VTU Campus, Machche,
Belagavi 590 018.

IFSC Code of The Beneficiary Branch : SBIN0040649.

Account Number of the Beneficiary : 54003362309

E Mail Address: principal@sairamce.edu.in, contact@sairamce.edu.in

Mobil No: 9900545101 / 9900545103


Principal (Account holder signature)
Sri Sairam College of Engineering,
Sai Leo Nagar, Guddana Halli(V&P)
Anekal(T), Bangalore - 562106.



P-1809039708749
3/9/2018



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018, Karnataka State

Dr. H. N. Jagannatha Reddy, BE, ME, Ph.D.
Registrar

Phone : (0831) 2498100
Fax : (0831) 2405467

Ref. No: VTU/Aca./2018-19/A-6/ 3201

Date: 21 JUL 2018

AFFILIATION NOTIFICATION

Sub: Continuation/Extension of Affiliation for the Academic Year 2018-19 for
Sri Sairam College of Engineering, Bengaluru - reg.,

Ref: 1. Application date of College: 30/11/2017.

2. Executive Council Resolution No. 2.1.14, dtd: 20/03/2018.

3. Vice-Chancellor's order dtd: 27/06/2018.

In Exercise of the powers conferred to the University vide Section 40(9) of Visvesvaraya Technological University Act 1994, your college is granted Continuation / Extension of Affiliation for the Academic Year 2018-19 to offer the following Courses. This permission is subject to the fulfillment of the conditions stipulated by the LIC Compliance Review Committee. You are required to comply with the same prior to the LIC visit for the Academic Year 2019-2020.

Further, the following Permanent Affiliation courses are only for your information and reference.

LIC Compliance Review Committee Conditions:

1. Shortage of Professor, Associate Professor and Assistant Professors as per AICTE/VTU norms.
2. Shortage of faculty with Ph.D. qualification as per norms.
3. Faculty-Student Ratio is not as per norms.
4. Salary is not paid as per AICTE / Govt. norms.

1	From 1 st to 4 th year B.E. Under Graduate Courses	Sl. No.	Courses & Year of Starting	Permanent (PA) /Temporary (TA) Affiliation
		1	Computer Science & Engineering- 1997	TA (2018-19)
		2	Electronics & Communication Engg.-1997	TA (2018-19)
		3	Electrical & Electronics Engg.- 1997	TA (2018-19)
		4	Mechanical Engineering 1997	TA (2018-19)

Further, the college is also informed to follow any other Notification/Circular/Norms issued by AICTE / UGC / State Government / VTU in this regard.

REGISTRAR

47m
30/7

20/7/2018

(Sd/-)
31/7

\$ 03

To,
The Principal,
Sri Sairam College of Engineering,
Sai Leo Nagar, Guddanahalli Post,
Anekal, BENGALURU -562 106.

Copy Fwc's to:

1. Hon'ble Vice-Chancellor, through the Secretary to VC, VTU, Belagavi.
2. The Chairman / Secretary, Sapthagiri Educational & Charitable Trust, No.21, 7th Main Road, 4th Block, Jayanagar, Bengaluru-560 011.
3. The Director, Technical Education, Bengaluru.
4. The Registrar (Evaluation), VTU, Belagavi.
5. The I/c Regional Director, VTU, Bengaluru.



Visvesvaraya Technological University

"Jnana Sangama", Belagavi – 590 018, Karnataka State

Dr. H. N. Jagannath Reddy B.E., M.E., Ph. D.

Registrar

Phone: (0831) 2405468

Fax: (0831) 2405467

Ref: VTU/Aca-Res.-Cen./A4//2018-19/ 1633/145

Date:

25 MAY 2018

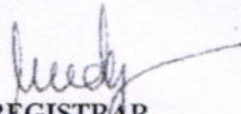
NOTIFICATION

Sub: Grant of Recognition / Continuation (Extension) of
Research Centers to offer Ph.D/M.Sc. (Engg.) by research reg...
Ref: Executive Council Resolution No. 2.1.17, dated 20.03.2018.

Pursuant to the Resolution of Executive Council referred to the above, it is hereby notified that the following Departments are Recognized as Research Centre/s to offer Ph. D / M.Sc. (Engg) by Research programs under section (41) of the VTU Act 1994, in accordance with the Regulations and Guidelines in force (visit our VTU website www.vtu.ac.in for Regulations & Guidelines). The College / Institution may apply for continuation of recognition against the University Notification after completion of Recognition period of the Research Centre/s.

Name of the College: Sri Sairam College of Engineering, Bengaluru

Particulars of the Recognitions	Sl. No.	Departments	Faculty	Period of the Recognition
Continuation Research Centre	1	Mechanical Engineering	Engineering	2018-19 & 2019-20



REGISTRAR
VTU, Belagavi

To,
The Principal,
Sri Sairam College of Engineering,
Bengaluru.

Please Note: Though the Notification is issued for 2 academic years, the college has to pay the continuation fee of Rs. 5,000/- per department annually.

Copy to:

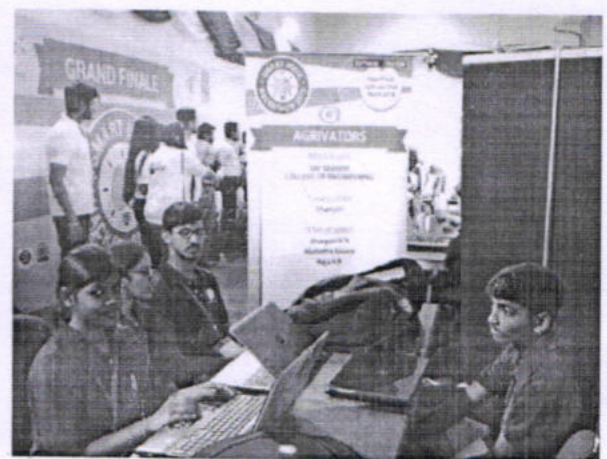
1. The Secretary to VC, VTU, Belagavi for kind information.
2. The Registrar (Evaluation), VTU, Belagavi for kind information.
3. The Regional Director (I/c) of all Regional offices of VTU for kind information.
4. The Special Officer of Ph. D. Section, VTU, Belgavi.


3/5
3/15
3/20/18

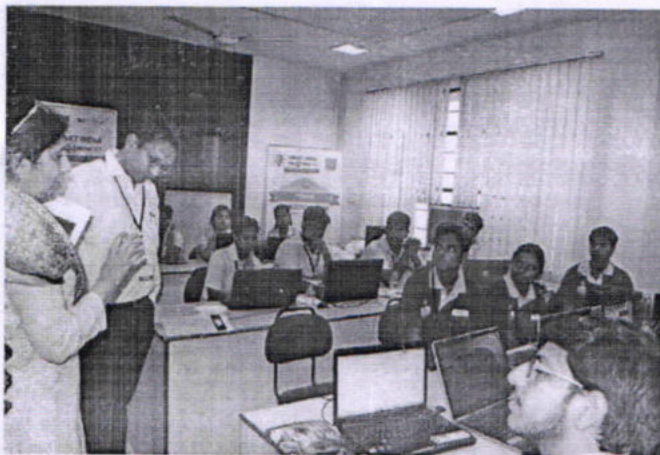
Three teams from Our College have been selected for Smart India Hackathon 2019 finale held from 02/03/2019 to 03/03/2019



Our Sairamites have emerged as National winners in the Grand finale of Smart India Hackathon 2018, Our team Electro Passion has won 1st PRIZE with 1 LAKH cash prize in SIH2018 for the problem statement by @ consaff of ECE Dept held on 30th & 31st Mar 2018



Vishal S.Shabadi (Team Leader), Shubham Trivedi, Bhavani Singh.J, Pooja B.N, Sahana T.S, Ashutosh.P.Lande to the students of ECE & CSE Students of 6th Sem, Mentored by Prof. N.Bhuvaneswari & Prof. J.Manikandan, participated & reached the final round and made into Top 8 best teams during the event in Smart India Hackathon 2017, the world's biggest digital movement was organised by MHRD in association with AICTE and various other organisation and Ministries at Jaipur held from 1st Apr 2017 to 2nd Apr 2017.





Sri SAIRAM COLLEGE OF ENGINEERING

(An ISO 9001 certified institution) Formerly SHIRDI SAI ENGINEERING CO

Managed by Sathagiri Educational & Charitable Trust

Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka & Affiliated to Visvesvaraya Technological University

Campus : Sai Leo Nagar, Guddanahalli (PO), Anekal, Bangalore - 562 106. Tel: +91-80-27830221, 27840631 / 632. Fax: +91-80-27830355.

College Name	Startup Name	Student Name(s)	Application Date	Startup Description	
Sri SAIRAM COLLEGE OF ENGINEERING, Anekal	Reshape Nation	Mukul Kumar	22/03/2018	Health, Wellness and Fitness Enthusiasts	since the business is non-technical, not seeking any support
	ALIEN'S POWER PVT LTD	Ajit	24-Sep-18	Energy efficient Electrical Contractors	need technical advice from faculty
	ARCTURUS TECHNOLOGIES	Vishwa Priya	10/6/2014	Workspace Providers, Offices on Hire, Coworking Space on Hire, Business Centres	since the business is non-technical, not seeking any support
	Lemis Electronics	Manjunath	7/26/2013	Manufacture of accumulators, primary cells and primary batteries	need technical advice from faculty
	Techmind Solutions Pvt Ltd	Sandeep Singh R	12th Sept 2016	Products, Consultancy, Training and Customized Solution provider in the field of Engineering Product Development	need technical advice from faculty
	Icube One	Veena N	1/8/2016	Digital Marketing of products	since the business is non-technical, not seeking any support
	Gokul Impex	Neha Gupta	15/10/2015	Container Transportation all over the nation	since the business is non-technical, not seeking any support

PRINCIPAL

Sri Sairam College Of Engineering
Sai Leo Nagar, Guddanahalli Post,
Anekal, Bengaluru - 562 106



Admin. Office: # 21, 7th Main Road, 4th Block, Jayanagar, Bangalore - 560 011. Tel: +91-80-26635623, 22455361 Fax: +91-80-22451802

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College Name	Startup Name	Student Name(s)	Application Date	Startup Description	
Sri SAIRAM COLLEGE OF ENGINEERING, Anekal	EXXTRUCK	Adarsh H S	1/8/2017	Trucks for Rent, Cargo Services for farmers	since the business is non-technical, not seeking any support
	Technocure IT Solution Pvt Ltd	Wasim Akram	22-Oct-14	Software publishing, consultancy and supply	need technical advice from faculty
	ShobhaGlobs Engineers Hub Pvt. Ltd.	Sharath Kumar L	1/6/2014	manufacturing and distribution of products such as Solar Energy, Wind Energy, Energy Management and Innovative Products to Make India Green.	need technical advice from faculty
	R S Airfiltrec Pvt Ltd	Sandeep N	24 th July 2014	Manufacturing All kinds of HVAC and Clean Room Air Filters and room air filtration systems	need technical advice from faculty
	Srinidhi Industries	Naveen Kumar	10/6/2014	Aluminium Powder Coating Services	need technical advice from faculty
	RS Innovators	Ravindran S	8/5/2012	Electro Plating Equipments Manufacturing	need technical advice from faculty
	SRV Car Care	Pradeep Hugar	4/7/2016	Govt. Vehicles Service Contractor	since the business is non-technical, not seeking any support

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College Name	Startup Name	Student Name(s)	Application Date	Startup Description	
Sri SAI RAM COLLEGE OF ENGINEERING, Anekal	Fly High Hobbies	Tarun N	01/02/2018	manufacture Aeromodelling accessories and also conduct workshops in schools and Colleges.	need technical advice from faculty
	eBIZ.com Pvt Ltd	Basavaraj H	Under Progress	Direct Sales of House hold products	since the business is non-technical, not seeking any support
	DreamFlame	Rohith G Reddy	16/01/2016	Mobile & Web Applications, Data Analytics, Project Training, Internet of Things	need technical advice from faculty
	Wissensquelle Robotics	Rachith Arora	16-Apr-18	Robotics & Software Development Training Company	need technical advice from faculty
	SOLORON TECH	Ramachandra S.N.	15/12/2017	Solar power Integrators and solar light dealers	need technical advice from faculty

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Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry
Government of India

CERTIFICATE OF RECOGNITION
Department for Promotion of Industry and Internal Trade

This is to certify that **WISSENSQUELLE ROBOTICS PRIVATE LIMITED** incorporated/ registered as a **Private Limited Company** on **16-04-2018**, is recognized as a startup by the Department for Promotion of Industry and Internal Trade.

Date of Issue: 15-04-2019

Place of Issue: New Delhi

The certificate shall only be valid for the entity:

- Up to ten years from the date of its incorporation/ registration and
- If its turnover for any of the financial years since incorporation/ registration has not exceeded Rs. 100 crores.

Note:

- **Authorities accepting this Certificate may check its validity on the Startup India portal (<https://www.startupindia.gov.in/>)**
- This certificate is not the Certificate issued by the Inter Ministerial Board and is NOT VALID for availing Tax benefits
- This is a system generated certificate and hence does not require physical signature
- If such recognition is found to have been obtained without uploading the relevant documents or on the basis of false information, DPIIT reserves the right to revoke the recognition certificate immediately without any prior notice or reason.



Government of India
Form GST REG-06
[See Rule 10(1)]

Registration Certificate

Registration Number : 29AVSPT7058E2ZQ

1.	Legal Name	narayanan tarun			
2.	Trade Name, if any	FLY HIGH HOBBIES			
3.	Constitution of Business	Proprietorship			
4.	Address of Principal Place of Business	, 24, lady curzon road, shivaji nagar, Bengaluru (Bangalore) Urban, Karnataka, 560001			
5.	Date of Liability				
6.	Period of Validity	From	01/02/2018	To	NA
7.	Type of Registration	Regular			
8.	Particulars of Approving Authority	Centre			
Signature					
Signature valid Digitally signed by DS GOODS AND SERVICES TAX NETWORK 1 Date: 2018.02.01 19:16:21 IST					
Name		Sabu George			
Designation		Superintendent			
Jurisdictional Office		LVO 020 - BENGALURU			
9. Date of issue of Certificate		01/02/2018			
Note: The registration certificate is required to be prominently displayed at all places of business in the State.					

This is a system generated digitally signed Registration Certificate issued based on the approval of application granted on 01/02/2018 by the jurisdictional authority.



सत्यमेव जयते

Government of India

Form GST REG-06

[See Rule 10(1)]

Registration Certificate

Registration Number :29AAUCS9238D1ZO

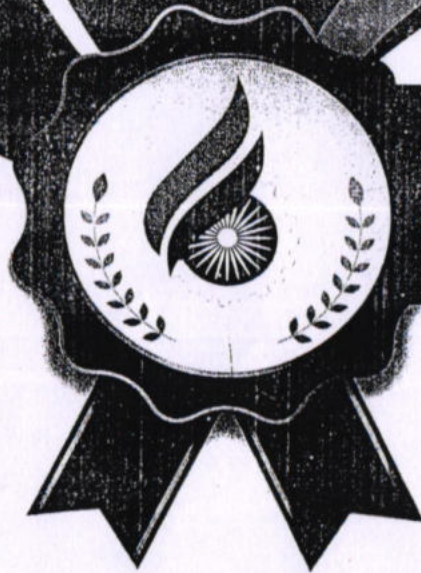
1.	Legal Name	SHOBHAGLOBS ENGINEERS HUB PRIVATE LIMITED			
2.	Trade Name, if any	SHOBHAGLOBS ENGINEERS HUB PRIVATE LIMITED			
3.	Constitution of Business	Private Limited Company			
4.	Address of Principal Place of Business	NO.24, SHOP NO.01, SHOBHAGLOBS ENGINEERS HUB PVT LTD, 3RD CROSS. HOSAPALYA MAIN ROAD,			
5.	Date of Liability	01/07/2017			
6.	Period of Validity	From	01/07/2017	To	NA
7.	Type of Registration	Regular			
8.	Particulars of Approving Authority				
Signature					
Name					
Designation					
Jurisdictional Office					
9.	Date of issue of Certificate	20/09/2017			
Note: The registration certificate is required to be prominently displayed at all places of business in the State.					

This is a system generated digitally signed Registration Certificate issued based on the deemed approval of the application for registration

Organised by

PROJECT COUNCIL
An ECI Initiative

Hosted by



National Level Paper Presentation Contest on
MAKE IN INDIA

CERTIFICATE OF WINNER

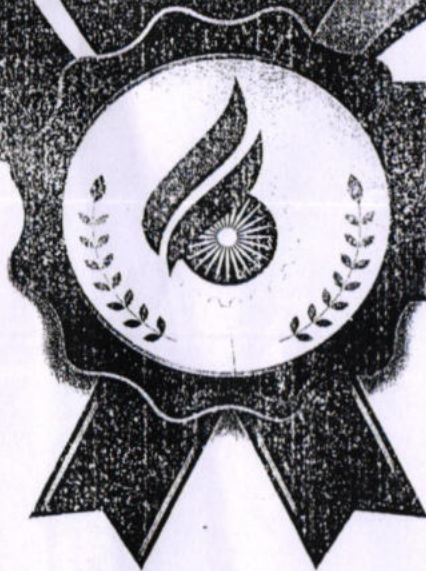
This is to Certify that KAVYA D S from the ECE Dept. of
SRI SAIRAM COLLEGE OF ENGINEERING Institution, has won the
"Best Paper" entitled EYE MOVEMENT BASED BIOMETRIC SYSTEM.

at National Level Paper Presentation Contest - "Make In India" on november 2016.

Dr. Marie Johnson
Director,
Sathyabama University

Dr. Mariazeena Johnson
Director,
Sathyabama University

Dr. S. Amar Prasad Reddy
Chairman,
Entrepreneurs Council of India



National Level Paper Presentation Contest on
MAKE IN INDIA

CERTIFICATE OF WINNER

This is to Certify that ROOPA M. from the E.C.E Dept. of
SRI SAIRAM COLLEGE OF ENGINEERING Institution, has won the
"Best Paper" entitled EYE MOVEMENT BASED BIOMETRIC SYSTEM.

at National Level Paper Presentation Contest - "Make In India" on november 2016.

Dr. Marie Johnson
Director,
Sathyabama University

Dr. Mariazeena Johnson
Director,
Sathyabama University

Dr. S. Amar Prasad Reddy
Chairman,
Entrepreneurs Council of India