Dr.N.G.P. Institute of Technology

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Department of
Electrical and Electronics Engineering

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Mr. R. Raja Ram - III/EEE
Mr. R. Praveenkumar – II/EEE

ASSOCIATION INAUGURATION

The Department of Electrical & Electronics Engineering inaugurated the Association activities of ELECTROZ on 02.08.2014 for the academic year 2014-2015. Er.J.Charles Arokiaraj, Project Manager, Hardware Development for Engine Management ECU, Robert Bosch, Coimbatore presided as Chief Guest.

SEMINARS/WORKSHOPS/TRAINING PROGRAMMES ORGANIZED

SNo	Event	Chief Guest	Date
1	KeyNote Address	Er.J.Charles Arokiaraj, Project Manager, Hardware Development for EngineManagement ECU, Robert Bosch,Coimbatore.	02.08.14
2	Career Day 2014	1. Mr.GRavichandran,GM. Energy Audit, LECS 2. Mr.R.Vinodh KumarNational Head, Mennekes 3. Mr.Anthony ThiyagarajanHr- Head – India, Cameron 4. Mr.Ramakrishna RaoSenior Energ –	08.08.14 & 09.08.14
3	Workshop – Off Grid Solar PV System Design and Installation	M/s Cares Renewables Pvt. Ltd	22.09.14
4	Programming in C & C++	Teknotruf Info Services Pvt Ltd	14.07.14 to 16.07.14 07.08.14 to 10.08.14
5	LabVIEW Core 1 & Core 2	National Instruments	14.07.14 to 19.07.14
6	Embedded System Design with MSP 430	Texas Instruments (India) Pvt Ltd	14.07.14 to 19.07.14

IEEE STUDENT BRANCH:

S. No	Date	Venue	Topic	Chief Guest
1	04.08.14	West Seminar Hall – Dr.NGPIT	Guest Lecture on "Breast Feeding – A Way for Life"	**Dr.Mariammal Pappu** Professor, Department of Paediatric Nursing, KMCH College of Nursing, Coimbatore
2	23.08.14	East Seminar Hall – Dr.NGPIT	Guest Lecture on "Grid Synchronization of Distributed Generation Systems"	**Dr.Chitti Babu Baladhandautham** Post Doctoral Research Fellow, Institute of Electrical Power Engineering, Wroclaw University of Technology, Poland
3	15.09.14	West Seminar Hall – Dr.NGPIT	Orientation Program on "IEEE Membership and its Benefits"	**Mr.M.S.Damodara** IEEE Product Support and SalesManager, Bangalore

WORKSHOP

S. No	Name of the Staff	Designation	Organized (In Nos)	Attended (In Nos)
1	Dr.M.Gopinath	Associate professor	-	1

TRAINING PROGRAMME ATTENDED:

- Mr.A.Senthilnathan, AP/EEE & Ms.R.Santhiya, AP/EEE attended two day Faculty Development Program on Electromagnetic Theory at PA College of Engineering & Technology, Pollachi from 20.06.14 to 21.06.14.

- Ms.R.Santhiya, AP/EEE & M.Mynavathi, AP/EEE attended LabVIEW Training Program Core I & II at Dr.N.G.P. Institute of Technology, Coimbatore from 14.07.14 to 16.07.14.

- Mr.A.Senthilnathan, AP/EEE attended the Student Branch Officers Meet at Anna University, Chennai on 20.09.14.

- Ms.M.Priyadhershni, AP/EEE & Ms.G.Saranya, AP/EEE attended three day Faculty Development Program on Real Time Controller Design Using TI C2000 Microcontroller at National Institute of Technology, Tiruchirappalli from 26.09.14 to 28.09.14.

GUEST LECTURE DELIVERED:

- Mr.E.Kannapiran, AP/EEE delivered a guest lecture on Soft Computing Techniques using MATLAB and ECAD at Sri Eshwar College of Engineering from 12.05.14 to 14.05.14.

STAFF PUBLICATIONS:

- Dr.K.Porkumaran, Prof. & Principal, Mr.S.Manimurugan, Ms.C.Narmatha Presented a paper on the topic "The New Block Pixel Sort Algorithm for TVC – Encrypted Medical Image" in the Journal of Imaging Science, June 2014.

- Ms.R.Santhiya,AP/EEE & Mr.A.Senthilnathan, AP/EEE Presented a paper on the topic "Grid Connected Multilevel Inverter and MPPT for Photovoltaic System" in the Springer Publication, 2014.

- Dr.V.Kumar Chinnaiyan, Prof. & Head/EEE & Ms.M.Priyadhershni, AP/EEE Presented a paper on the topic "Simulation of Static Var Compensation in IEEE 14 Bus System for Voltage Stability and Compensation" in the Springer Publication, 2014.

- Dr.V.Kumar Chinnaiyan, Prof. & Head/EEE, Ms.M.Mynavathi, AP/EEE, Dr.P.Vengatesh and Mr.S.Balamurugan Presented a paper on " A New Real Time Approach for Reactive Power Control by STATCOM in Autonomous Wind Diesel Hybrid Power System" in the Springer Publication,2014.

- Mr.T.Govindaraj, Mr. K.Bharanidharan, AP/EEE Presented a paper on " Stability and Reliability Improvement in Solar Wind Hybrid Power System with Battery Energy Storage Station" in International Journal of Energy Trends in Electrical & Electronics, 2014

INDUSTRIAL VISIT:

Students of III EEE visited 110/11kV Kalapatti Substation, Kalapatti, Coimbatore on 03.09.2014.

CONSULTANCY AND EXTENSION ACTIVITY

S.No	Period / Date	Details of Consultancy / Extension activity	Beneficiary	Resource Person
1	July to October 2014	Energy Audit	Food Corporation of India	Dr.V.Kumar Chinnaiyan, Prof. & Head/EEE
2	15.10.14	Jammu & Kashmir Relief Fund	Jammu & Kashmir affected people	Students of EEE Department

AWARDS BY STUDENTS:

S.No	Title of the Project	Title of the Award	Name of the Coordinator	Name of the students
1	Optimization of Data Utilization and Control in Substation using LabVIEW	ICTACT Innovator Award 2014	Dr.K.Porkumaran, Prof. & Principal Dr.V.Kumar Chinnaiyan, Prof. & Head Ms.G.Hemalatha, AP/EEE	R.T.Rishi Vandhiya Jenu R.Kirthika R.Rogini K.Mageswaran S.Ashok Kumar P.Nithyanandhan
2	The Enhanced and Safe Bus Transportation System using LabVIEW	ESIC- Innovative Challenging Award under National Level Category by ISSRD	Dr.K.Porkumaran, Professor & Principal	V.Pavithra M.Abhilash V.N.Akilesh S.Sanjana
3	Monitoring and Fault Detecting System for Wind Turbine through GSM	Finalist & received 6th place in Southern region in CII Innovation 2014 – Project Contest	Dr.V.Kumar Chinnaiyan, Prof. & Head Mr.E.Kannapiran	J.Prabhakaran M.Aravind A R Muthukkumar S.Suresh Babu

WORKSHOP (STUDENT DEVELOPMENT PROGRAMME)

S. No	Name of the student	Year / Batch	Date	Institution	Event
1	J.Prabhakaran K.Mageswaran P.Nithyanandhan V.Sanju K.Madhubalan	IV/2011	13.8.2014 & 14.8.2014	SNS College of Engineering, Coimbatore	Workshop
2	M.Vigneswaran S.Surendran	III / 2012	13.8.2014 & 14.8.2014	SNS College of Engineering, Coimbatore	Workshop
3	M.Swarnaratna V.Nishanthi	III / 2012	07.08.14 to 09.08.14	Amrita University, Coimbatore	Workshop
4	R.Saravana Kumar S.Jeyakumar R.Praveen Kumar S.Prasanth	II/ 2013	04.09.14	Adithya Institute of Technology	Workshop
5	R.Hemalatha S.Karthikayeni	II/ 2013	14.08.14	SNS College of Technology	Paper Presentation
6	H.Divyasree S.Sukanya S.Karthikayeni R.Hemalatha S.Haridharan T.Rajasekhar	II/ 2013	13.08.14	SNS College of Technology	Technical Quiz
7	H.Divyasree R.Hemalatha	II/ 2013	14.08.14	SNS College of Technology	Finding Solutions
8	H.Divyasree S.Sukanya	II / 2013	14.08.14	SNS College of Technology	Encryption & De - Encryption

SEMINAR / GUEST LECTURES / INVITED TALKS/ KEYNOTE ADDRESS

S.No	Title	Date	Event	Venue	Resource Person
1	Embedded Systems	02.08.2014	Guest Lecture	Dr.N.G.P.IT	Er.J.Charles Arokiaraj, Project Manager, Hardware Development for Engine Management ECU, Robert Bosch, Coimbatore.
2	Grid synchronization of Distributed Generation Systems	23.08.2014	Seminar		Dr.Chittibabu Baladhandiutham, Post. Doc. Research Fellow, Institute of Electrical Power Engineering, Wroclaw University of Technology, Wroclaw, Poland.

FACULTY TRAINING PROGRAMME

S. No	Name of the Staff	Designation	Organized (In Nos)	Attended (In Nos)
1	Dr.V.Kumar Chinnaiyan	Professor and Head	-	01
2	Dr.M.Gopinath	Associate professor	-	01
3	Mr.A.Senthinathan	Assistant professor	-	02
4	Ms.R.Santhiya	Assistant professor	-	02
5	Ms.M.Mynavathi	Assistant professor	-	01
6	Ms. G.Saranya	Assistant professor	-	01
7	Ms.M.Priyadhershini	Assistant professor	-	01
8	Ms.M.Mynavathi	Assistant professor	-	01
9	Ms. G.Saranya	Assistant professor	-	01
10	Ms.M.Priyadhershini	Assistant professor	-	01

STUDENTS ACHIEVEMENTS:

S. No	Name of the Students	Year/ Batch	Date	Institution/ Organiser	Event	Prize
1	V.Pavithra M.Abhilash V.N.Akilesh S.Sanjana	IV/2011	-	ESIC- Innovative Challenging Award under National Level Category by ISSRD	Project Contest	I
2	V.Pavithra	IV/2011	-	ICTACT	ICTACT Youth Present Contest	Winner in Regional Level & Top 3 in National Level
3	S.Suresh Babu J.Prabhakaran M.Aravind A R Muthukkumar	IV/2011	26.07.14	CII Innovation 2014	Project Contest	Finalist & received 6th place in Southern region
4	Rishi Vandhiya Jenu R T Kirthika R Rogini R	IV Passed Out / 2010	-	ICTACT	ICTACT Student Innovator Award 2014	Winner
	Mageswaran K Ashok Kumar S Nithyanandhan P	IV/2011	-			
5	S.Jeyakumar R.Praveen Kumar S.Prasanth	II / 2013	23.08.14	Tejja Sakthi College of Engineering & Technology	Project Contest	III
6	Vini V I Elezabeth	II / 2013	22.08.14 & 23.08.14	Adhiyamaan College of Engineering & Technology	Paper Presentation	I
7	B.Aswini B.Nivetha	II / 2013	14.08.14	SNS College of Engineering& Technology	Encryption & De Encryption	I
8	S.Sukanya S.Karthikayeni	II / 2013	13.08.14	SNS College of Engineering& Technology	Connections	I
9	S.Surendran	III / 2012	13.08.14 & 14.08.14	SNS College of Engineering& Technology	Riaritisho	I
10	M.Vigneswaran	III / 2012	13.08.14 & 14.08.14	SNS College of Engineering& Technology	Riaritisho	II

Photo gallery

ASSOCIATION INAUGURATION

WORKSHOP ON OFF GRID SOLAR PV SYSTEM DESIGN AND INSTALLATION

HANDS ON TRAINING IN LabVIEW

GUEST LECTURE-GRID SYNCHRONIZATION OF DISTRIBUTED GENERATION SYSTEM

INDUSTRIAL VISIT

GUEST LECTURE - EMBEDDED SYSTEMS

ESIC- Innovative Challenging Award under National Level Category by ISSRD

ICTACT
Innovator Award

HANDS ON TRAINING ON MSP 430

STUDENTS' CORNER

A MAKEOVER FOR HYBRID CARS

A hybrid car is not a one which employees both petrol engine and electric engine in it,but it can be exclaimed as a hybrid of the two successful car models- The petrol or diesel car and the electric car. The makeover that is prominent in this car is that the driver can switch to the modes according to his mood. When the petrol is available the car run on it as a normal petrol car does and when it runs out of petrol the car can switch to electric mode automatically or manually and drive with the electric engine. But What if both the supplies are nil? Then there is no other way other than what options are left before us if our car runs out of fuel.

But my idea is that these hybrid cars can be manufactured in such a way that its roof tops and engine covering outer surfaces can be plated with inbuilt Photovoltaic or solar cell, which is connected to the electric engine. When the car is idle or moving the solar energy will fall on it, this energy can be converted into electric energy and stored. Then there is no requirement of plugging the electric engine with an external energy supply.

But this solar inbuilt hybrid cars are entirely different from solar cars, which runs only on solar energy and are less efficient and slow. Hybrid solar cars can overcome all the disadvantages in the existing solar cars.

This model can be effectively used especially in Asian countries where the availability of solar energy is more.

Manohar

II-EEE

SMART MOBILE CHARGERS

This is the generation or era of smart mobile phones and smart cities. So my idea is about smart mobile chargers. For a better working condition and battery life span of a mobile phone, the mobile should not be plugged into charge supply before the energy in battery is completely used and similarly the phone should be unplugged from the supply socket once the battery is full to reduce heating up of battery. Hence a new Smart Charger can be developed which communicates between the mobile battery and the energy supply. The charger should be able to recognize the battery percentage of the mobile and once the battery is complete charged. The charger should notice this and cut off the electrical supply. Hence this can reduce the backup delay of the mobile phones and also prevents from drawing electricity from the socket unnecessarily. The Smart Charger should be available in such a way that the manufacturer of the mobile phone should provide it with inbuilt data about the phone's charging time. The charger works till the time duration for which the mobile becomes fully charged. The Smart Charger should also have a display screen to show the time when the mobile becomes fully charged.

S.Sukanya

II-EEE

FUNNY TRIP

This was the real incident happened in my life. Whenever the story starts the first line will be started with "Once upon a time". Same as other stories this incident Once upon a time. Before telling about the incident let me tell about myself, am Gowtham doing my Engineering. Home town is in Ooty.

This incident was happened when I was studying in 9th standard. I was returning home after finishing my final exam. On the way to home I saw my dad standing near a bakery. The bakery was near my home, he called me and said tomorrow we have planned for a family tour to Karnataka, all our family members are coming so go and pack all your things for next three days. I was happy and surprised to hear this. When I went home my mom told me to pack all my clothes in a separate bag and gave me a gold chain to wear for tomorrow's trip. Before going to sleep I packed all my things and kept my bag in the nearby table and jumped into my bed. Actually when I start sleeping I will not mind whatever happens around me.

The next day morning all my relatives came and we started our journey to Karnataka. After a long travel from my house we visited a place called saravanabelagulu famous for temple. Our bus stopped in front of the temple. When i jumped out of the bus I saw the temple it was on the top of the hill. To get blessing from god we have to cross nearly 880 steps from the main road to the top of the hill. When I was young I was very active. So me and my brother started walking fast. When we crossed 400 steps we got tired and sat there for a long time and took some snaps. Again we started to walk actually we were so tired. So we started to walk slowly, at last we reached at the top of the hill.

When I entered inside the temple I saw a man with a long hair. He was sitting at the corner of the temple and eating banana, me and my brother made fun of him and ran away. He started following us. We both started running fast. After running a lot we got tired and sat in a place. My mom came near me and saw my neck the chain she gave was missing. She asked me where is the chain .When I touched my neck the chain was not there automatically my eyes started watering. By the time all my family members came there and told me to go and search everywhere. When I went my father also came with me in search of that chain. When we were searching for the chain a policeman came and asked my father what you are searching for. My father replied that my son lost the chain. The policeman came near and asked me did you watch anyone following you. Then I told a man with long hair was following me because we made fun of him. After this we went in search of that person he was about to live in the temple. The policeman went and called him and asked did he took the chain. He answered no. The police took him to the police station and told my father to come to the police station to give a complaint regarding this. When me and my father entered into the police station my father went and slapped that person and dragged his shirt. I got shocked and stood away from my father. Suddenly someone came and slapped me. When I opened my eyes it was my mom. She kept a cup of coffee near me and said wake up it is time for the trip, go and get ready. Then only I realized it was my dream. So before my trip I gave the chain to my mom itself. I enjoyed this funny dream.

N.Gowtham

II-EEE

R. AISHWARYA
B.E(EEE)
I year.

குடிந்னதத் தொழிலாளர்கள்

* ணை வனற்றி காகிதத்தில்
எழுத வேண்டிய காலத்தில் - இவர்கள்
நீரூற்றி மண் கனைந்து வெயிலில்
செங்கல் அடுக்கிறார்கள்.

* பண்டிகைக்கான பட்டாசுகளை வெடிக்க
வேண்டிய வயதில் - இவர்கள்
பண்டிகைகளையே தியாகம் செய்து
பட்டாசுகளைத் தயாரிக்கின்றனர்.

* பம்பரத்தைச் சுழலவிடும் விளையாடி
மகிழ வேண்டிய வயதில் - இவர்கள்
தீப்பெட்டித் தொழிற்சாலையின் நெருப்பினால்
தீக்கனல்களாகச் சுடலைப் படுகிறார்கள்.

உடம்பில் எத்தனையோ காயங்களும்
விழுப்புண்களும் இவையாவும்
இந்த சிறுவயதில் அவர்களாகவா
விரும்பி கேட்டது - இல்லை
நாமாக அவர்களின் சமயசந்தர்ப்பங்களுக்காக
வற்புறுத்திக் தள்ளியதோ!
வளர்ந்து வரும் நாடின் வளர்ச்சியில்
இவர்களது பங்கு கல்வியல்லாது
இந்த வகையிலா இருக்க வேண்டும்!

மழை

மழை நீர்
பூஉலகின் உயிர் நீர்,

விவசாயி கண் நீரை
போக்க வந்த பொன் நீர்,

அவள் சிறு சிறு துளி
மத்தாப்பாய் பூப்பூப்பாள்,

மக்கள் மனதில்
தேன் வார்ப்பாள்,

மும்மாரி பொழிந்து
முத்தமிடுவாள்,

மழலையாள் தாய் மகிழ்வாள்
மழையால் பூமி தாய் மகிழ்வாள்,

மழை என்றாலே மகிழ்ச்சி
பூமி தாய்க்கு நெகழ்ச்சி,

பூமி தாய்க்கே தாய் அவள்
அவளே இப்பூஉலகின் ஆதாரம்.

SANJEEVE.A
2-year EEE,
NGP.

மரம்

பிறந்தோம்
தொட்டில்
மரத்தின் உபயம்
நடந்தோம்
நடைவண்டி
மரத்தின் உபயம்
எழுதினோம்
பென்சில் பலகை
மரத்தின் உபயம்
மணந்தோம்
மாலை சந்தனம்
மரத்தின் உபயம்
புணர்ந்தோம்
கட்டில் என்பது
மரத்தின் உபயம்
துயின்றோம்
தலையணைப் பஞ்சு
மரத்தின் உபயம்
அழித்தோம்
பாதுகை ரப்பர்
மரத்தின் உபயம்
இறந்தோம்
சவப்பெட்டி பாடை
மரத்தின் உபயம்
எரிந்தோம்
சுடலை விறகு
மரத்தின் உபயம்
மரம்தான், மரம்தான்
எல்லாம் - மரம்தான்
மனிதா
மனிதனாக வேண்டுமா
மரத்திடம் வா
ஒவ்வொரு மரமும் உனக்கு
போதி மரம் தான்.

புத்தகம்

என்னை
மண்ணில் கருகும்
பாலையில் விடுங்கள்
இருப்பேன்
ஜீவராசி இல்லாத்
தீவில் இடுங்கள்
கிடப்பேன்
காற்றே தொடாத
கிரகத்தில் விடுங்கள்
உயிர்ப்பேன் - ஆனால்
என்னைப் புத்தகம்
இல்லா அறையில்
பூட்டுங்கள்
இரண்டொரு மணியில்
இறப்பேன்.

— R. Manohar Ravichandran
13EE23
II EEE

நட்பு

என் தாயின் அன்பு தொப்பில் கொடி வரை
என் தந்தையின் அன்பு வளர்க்கும் வரை
என் சகோதரியின் அன்பு உரக்கப்படுத்தும் வரை
என் ஆசிரியரின் அன்பு வழிநடத்தும் வரை
ஆனால், என் நட்பின் அன்பு - உயிர் உள்ள வரை
- என்றென்றும்

தந்தை

என் உறவுக்கு உயிர் கொடுத்தாய்
என் அன்புக்கு அடிமை ஆனாய்...
என் மௌனத்திற்கு பேச்சு அளித்தாய்
என் மகிழ்ச்சிக்கு உணர்வு தந்தாய்...
நீங்கள் தான் கடவுளின் வரம் - என் தந்தையாக...

- சி. கங்காஜோதி
IV EEE

விண்ணை நேசிக்காதே

விண் அளவு உன் தாயை நேசி

உலகந்தை நேசிக்காதே

உலகளவு உன் தந்தையை நேசி

பணத்தை நேசிக்காதே

தாம் தந்தையின் அன்பை நேசி

——— * * * ———

பூங்கனை கொண்டு

புன்னகை செய்தானோ இறைவன்

உன் முகத்தில்

இப்படி ஓர் அழகு

——— * * ———

கனவில் நேனன்றும் அணைந்தும்

கற்பனையும் அல்ல

நட்பும் நேனன்றும் மறைவதற்கு

அது கனவும் அல்ல

——— * ———

ப. மதுகனி

II - EEE

அன்பு தோழி

செந்தாமரைகள் மலர் வீச

வானவில்லின் வண்ணம் வரவேற்க

மரங்கள் இசை வாசிக்க

மெண்நிலவு இறங்கி வந்தது

- என் தோழியின் வடிவந்தில்

- சி. கங்காஜோதி
IV - EEE

அம்மா

மனதில் ஒரு சிந்தனை

வாக்கில் ஒரு இன்னிசை

பார்வையில் ஒரு பணிவு

அடக்கத்தில் ஒரு அமைதி

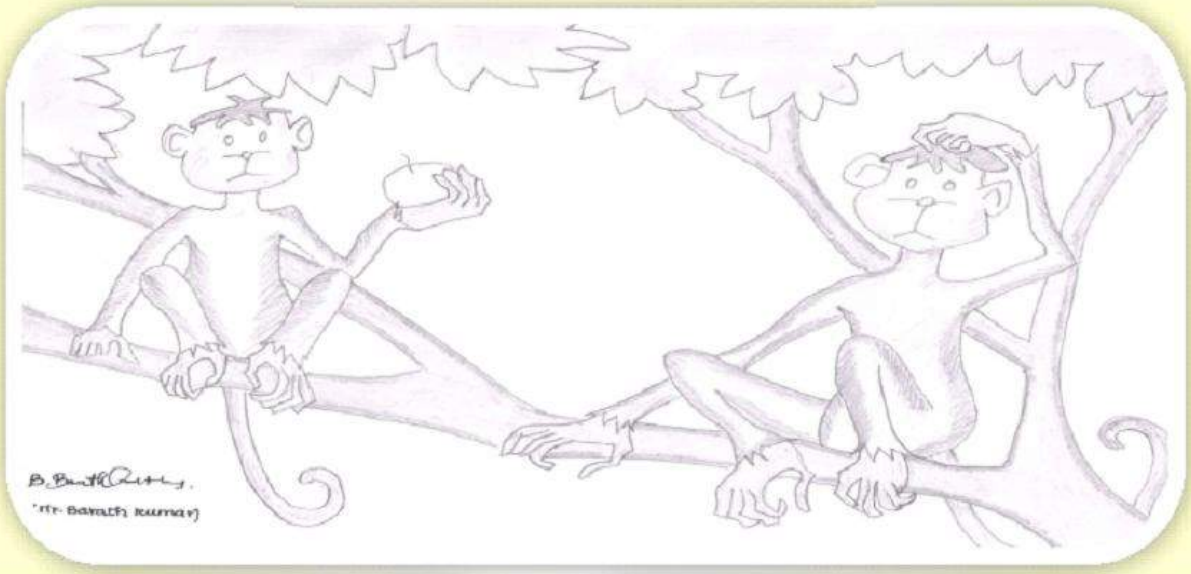
நீங்கள் தான் என் உலகின் அடையாளம்

அவள்தான் - என் அம்மா ....

- சி. கங்காஜோதி

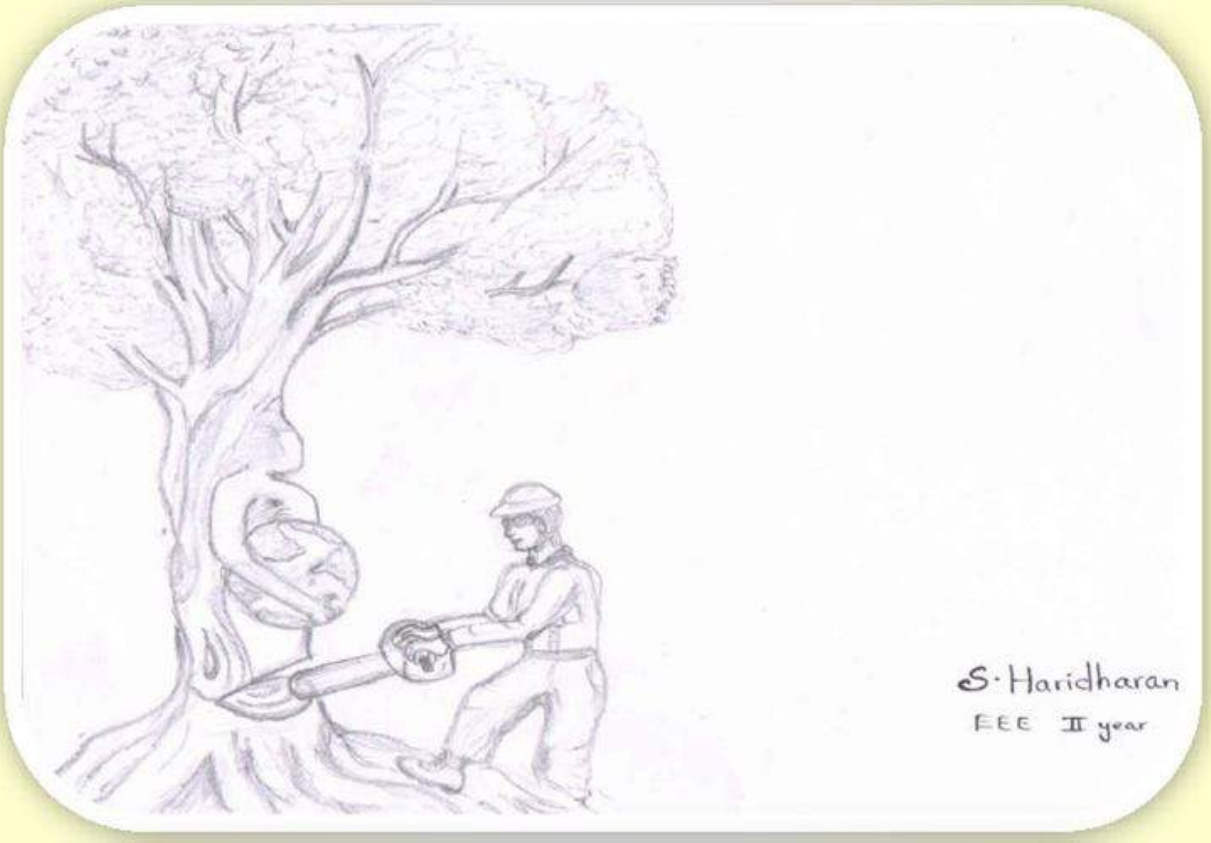
IV - EEE.

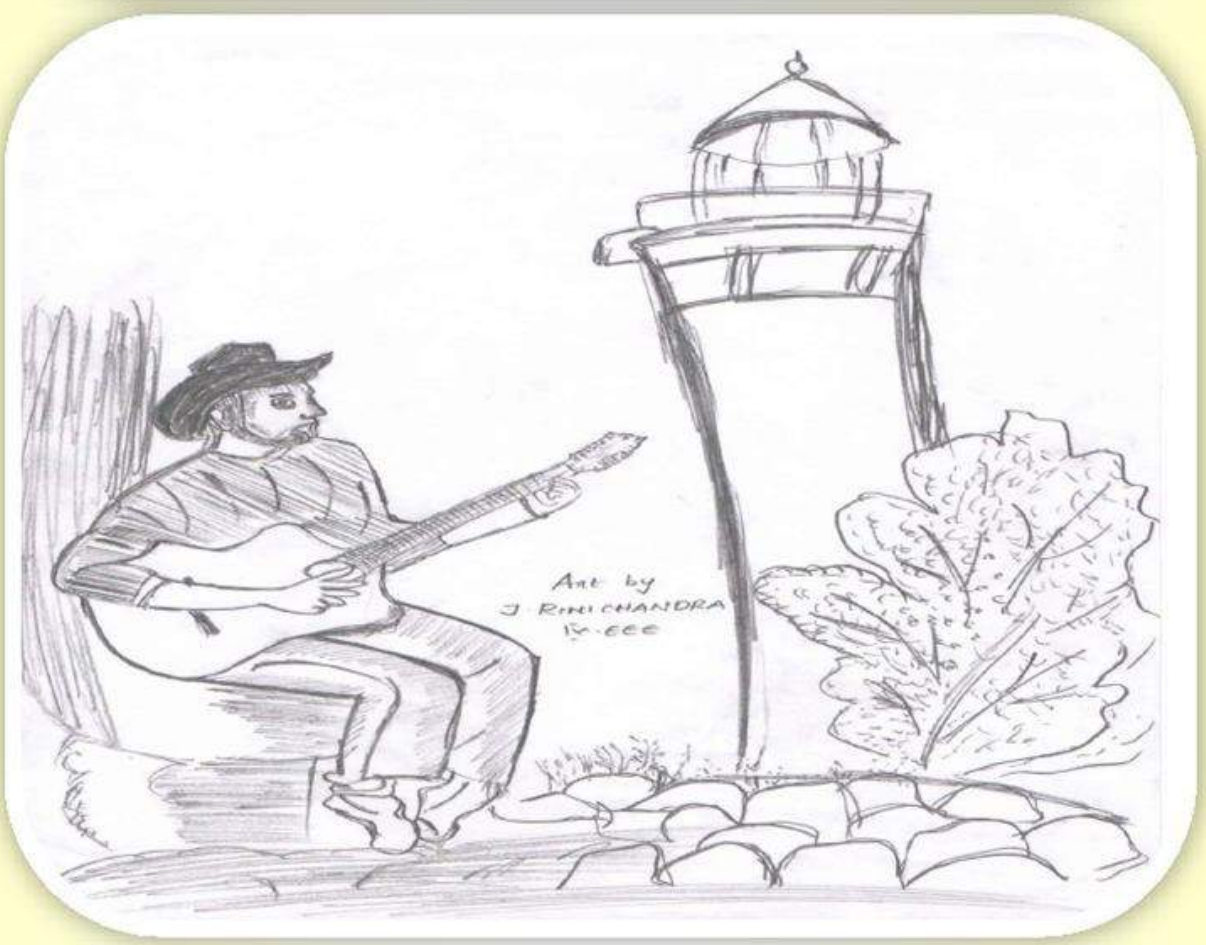
ART GALLERY



POPEYE

R. Hemalatha
IIrd year
EEE

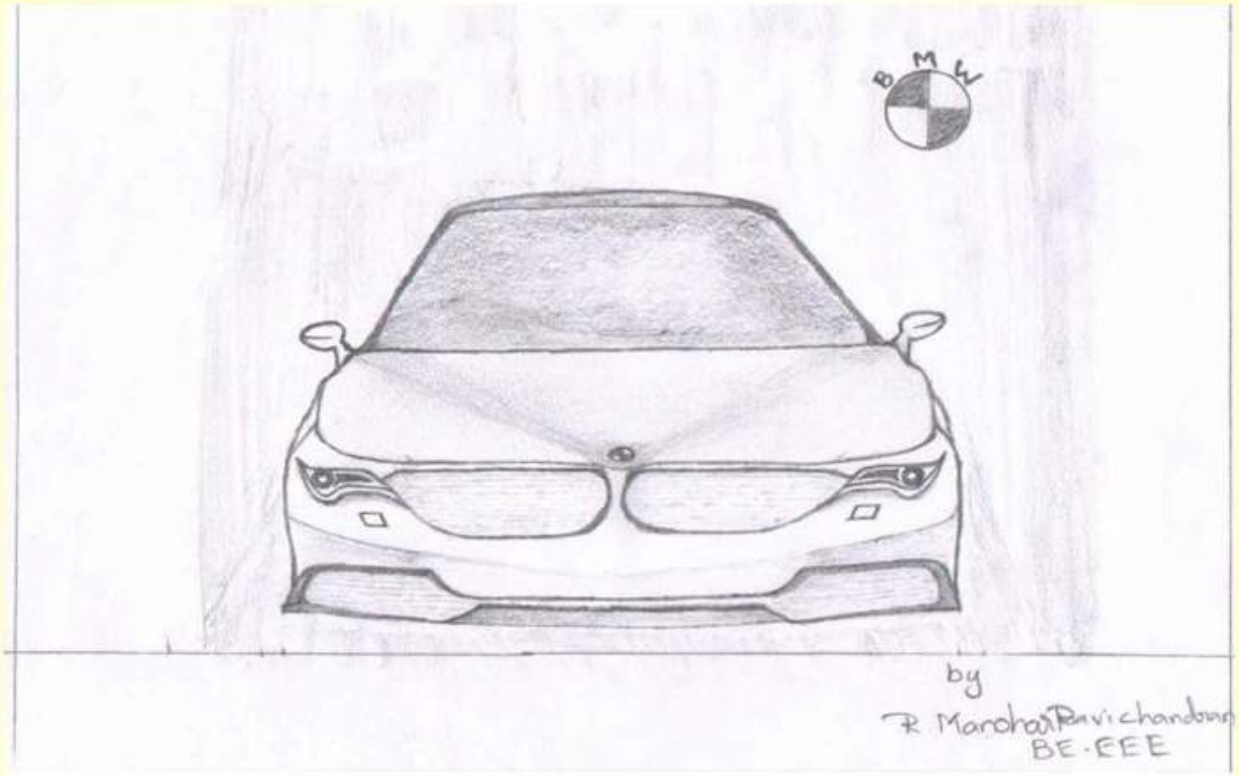

S. Haridharan
EEE II year


Art by
J. RINICHANDRA
IV-EEE

D. kalirajan
II nd EEE

R. Ranjith
10/9/2014

Art by
J. RAMCHANDRA
II EEE



by
R Manohar Ravichandran
BE-EEE

Art by
J. RINICHANDRA
IV-ECE

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