

DEPARTMENT ASSOCIATION OF ELECTRONICS
AND COMMUNICATION ENGINEERING

SPECTRUM
MAGAZINE

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Dr. MAHALINGAM COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

NPTC-MCET Campus; Udumalai Road

Pollachi-642003

Ph no: 4259-236030/40/50; Fax -04259-236070

VISION OF THE INSTITUTE

We develop a globally competitive workforce and entrepreneurs.

MISSION OF THE INSTITUTE

Dr. Mahalingam College of Engineering and Technology, Pollachi endeavours to impart high quality; competency based technical education in Engineering and Technology to the younger generation with the required skills and abilities to face the challenging needs of the industry around the globe. This institution is also striving hard to attain a unique status in the international level by means of infrastructure, start-of-the-art computer facilities and techniques.

VISION OF THE DEPARTMENT

To strive for excellence in Electronics and Communication Engineering education, research and technological services imparting quality training to students, to make them competent and motivated Engineers.

MISSION OF THE DEPARTMENT

Department is committed to

- Impart quality engineering education in the areas of Electronics, Signal Processing, Embedded Systems and Communication Networks.
- Equip the students with professionalism and technical expertise to provide appropriate solutions to societal and industrial needs.
- Provide stimulating environment for continuously updated facilities to pursue research through creative thinking and team work.

Programme Educational Objectives (PEOs)

The graduates will:

PEO1. Actively apply technical and professional skills in engineering practices towards the progress of the organization in competitive and dynamic environment.

PEO2. Own their professional and personal development by continuous learning and apply the learning at work to create new knowledge.

PEO3. Conduct themselves in a responsible, professional and ethical manner supporting sustainable economic development which enhances the quality of life.

Programme Outcomes (POs)

Graduates of Electronics and Communication Engineering Programme will be able to

PO 1. Engineering Knowledge: Apply the knowledge of Mathematics, Science and engineering to solve problems in the field of Electronics & Communication Engineering.

PO 2. Problem Analysis: Identify, formulate/model, analyse and solve complex problems in the field of Electronics & Communication Engineering.

PO 3. Design and Development: Design an electronic system/component, or process to meet specific purpose with due consideration for economic, environmental, social, political, ethical, health and safety issues.

PO 4. Conduct Investigations: Design and conduct experiment, analyze and interpret data to provide valid conclusions in the field of Electronics and Communication Engineering.

PO 5. Modern Tool Usage: Apply appropriate techniques and modern software tools for design and analysis of Electronic systems with specified constraints.

PO 6. Engineer and Society: Apply contextual knowledge to provide engineering solutions with societal, professional & environmental responsibilities.

PO 7. Environment and Sustainability: Provide sustainable solutions within societal and environmental contexts for problems related to Electronics & Communication Engineering.

PO 8. Ethics: Comply with code of conduct and professional ethics in engineering practices.

PO 9. Individual and Team work: Perform effectively as a member/leader in multi disciplinary teams.

PO 10. Communication: Communicate effectively to engineering community and society with proper aids and documents.

PO 11. Project Management & Finance: Demonstrate knowledge and understanding of the engineering and management principles to manage projects in multidisciplinary environment.

PO 12. Lifelong Learning: Recognize the need for, and have the ability to engage in independent and lifelong learning.

Programme Specific Outcomes (PSOs)

PSO1: Technology Deployment: Apply technologies of electronics, embedded systems, signal processing, communication and networking in the field of industrial automotive, consumer, medical and defense electronics industries.

PSO2 IC Design: Apply the design flow of Very Large Scale Integrated circuits to design and test Integrated Circuits in Semiconductor industries.

NEXT ON SMART HOMES: AN EAR TO INTERNET

Technology is the campfire around which we tell our stories!

Houses have been getting progressively **smarter** for decades, but the next generation of smart homes may offer two cases what scientists are calling an **Internet of Ears**. Today's smart home features appliances, entertainment systems, security cameras and lighting, heating and cooling systems that are connected to each other and the Internet. They can be accessed and controlled remotely by computer or smart-phone apps. **The technology of interconnecting commercial, industrial or government buildings, someday even entire communities, is referred to as the "Internet of Things," or IoT.**

We are using principles similar to those of the human ear, where vibrations are picked up and our algorithms decipher them to determine your specific movements. That's why we call it the **Internet of Ears**.

There is actually a constant 60 Hz electrical field all around us, and because people are somewhat conductive, they short out the field just a little. So, by measuring the disturbance in that field, we are able to determine their presence, or even their breathing, even when there are no vibrations associated with sound. They expect the system could provide many benefits.

- The first advantage will be energy efficiency for buildings, especially in lighting and heating, as the systems adjust to how humans are moving from one room to another, allocating energy more efficiently.
- Another benefit could be the ability to track and measure a building's structural integrity and safety, based on human occupancy, which would be critical in an earthquake or hurricane.

Also on the disadvantage we are trying to predict if there is going to be structural damage because of the increased weight or load based on the number of people on the floor or how they are distributed on that floor.

Modern Technologies make people try to do everything at once....!

OPPILAAL ERATCHANYA D

IInd YEAR ECE - A

ELECTRONIC PILLS AND THEIR APPICATIONS

Electronic pills are the holy grail of health care technology. Ever since the past microelectronic pill was developed by Prof. Jon Cooper and Dr. Erik Johansson from Glasgow University in 1972.

An electronic pill is a multichannel sensor use for remote biomedical measurements in the body. They can specifically deliver drugs to certain parts of the body to target different types of cancer, stimulated damage tissues, tract gastric problems and measure biomarkers.

CURERENT PRODUCTS ON THE MARKET:

- **Philips intelligent pill:**

This electronic pill is a plastic capsule which is usually taken with solid food or water. Normally. It is meant to be transported through the digestive system in a natural manner. This is usually done within 24 hours and as this is done, the drug is dispensed to different parts of the body. The size is about that of a plump multivitamin and the drug can even carry out specialized actions based on the pH level of the patient.

- **Intellicap drug:**

It is rightly described as an electronic pill acting as a drug delivery and a monitoring device. It is made up of a drug reservoir, wireless communication systems, electronic controllers, sensors and a delivery pump. It takes a very minuscule form and upon ingestion, it travels through the gastro intestinal tract. The presence of onboard electronics means that the drug delivery is both precise and flexible.

SHREERANJANLG

Ist YEAR ECE-A

WIRELESS POWER TRANSFER

Wireless power transfer is transmission of electrical without wires as a physical link. In a wireless power transmission system, a transmitter device is driven by electric power from a power source, generates a time. Varying electromagnetic field, which transmits power across space to a receiver device, which extracts power from the field and technology of wireless power transmission can eliminate the use of the wires and batteries, thus increasing the mobility, convenience and safety of electronic device for all users.

Wireless power transfer is useful to power electrical devices where interconnecting wires are inconvenient, hazardous or are not possible. These devices mainly fall into two categories, near field and far field. In near field or non-radiative techniques, power is transferred over short distances by magnetic fields inductive coupling between coils of wire or by electrical fields using capacitive coupling between metal electrodes. Inductive coupling is the most widely used wireless technology; its applications include charging handheld devices like phones and electric toothbrushes, RFID tags, induction cooking and wirelessly charging or continuous wireless power transfer in implantable medical devices like artificial cardiac pacemakers or electric vehicles.

In far-field or radiative techniques also called power beaming, powers transferred by beams of electromagnetic radiation, like microwaves or laser beams. These techniques can transport energy longer distances but must be aimed at the receiver proposed applications for this type are solar power satellites and wireless powered drone aircraft with all wireless power system is limiting the exposure of people and others living things to potentially injurious electromagnetic fields.

Largest application of WPT is the production of power by placing satellites with giant solar arrays in geo synchronous earth orbit and transmitting the power as microwaves to the earth known as solar power satellites (SPS). WPT is used in moving targets like fuel free electric vehicles, fuel-free airplanes, fuel-free rockets and moving robots. The other applications of WPT are wireless power adaptive rectifying circuits and wireless sensors. WE can design wireless power transfer system for simple devices like mobile charger, mobile phones etc.....

PRATHIUSHA.K

Ist YEAR ECE-A

VOICE OVER LTE, VOLTE TECHNOLOGY

VOLTE, voice over LTE is an IMS-based specification. Adopting this approach, it enables the system to be integrated with the suite of applications that will become available on LTE. When 3GPP started designing the LTE system, prime focus was to create a system which can achieve high data through put with low latency and at the same time it has the capability to guarantee an end to end quality of service (QOS). LTE is an all IP network and during the initial phases of its development, the ability to carry traditional service like the voice was not given much importance. Therefore, the LTE network to carry traditional circuit-switched voice calls, a different solution was required. This solution to carry voice over IP in LTE networks is commonly known as VOLTE. Basically VOLTE systems convert voice into the data stream, which is the transmitted using the data connection. In the VOLTE solution with voice services now sharing the data pipe with other data enabled services like web browsing, video streaming and social media, the ability to manage the speed, quality and volume of data along with associated signaling is critical for providing a positively differentiated user experience. This is achievable in the LTE network by way of exploiting capabilities of the IMS infrastructure, which provides a definite framework for ensuring end-to-end QOS for different applications including voice.

R.SRIMATHY

Ist YEAR ECE-B

AUTOMATIC RAILWAY GATE CONTROLLER WITH HIGH SPED ALERT SYSTEM

This automatically controls the operation of railway gates by detecting the arrival and departure of trains at the gate. Detectors are placed at the faraway distance on the railway track and they are connected to micro controller, which activates the motors to perform the mechanical action of opening and closing the railway gates.

The IR LEDs and photodiodes are placed on either side of the track initially IR LED is the transmitter, that continuously transmits IR light to the receiver. When train arrives, it blocks falling and we can consider that the train is moving from left to right. Now, the first sensor pair act as counter and gets activated when the train blocks it, and second sensor pair slops working.

The counter values generated are used to calculate the velocity of train. If speed of train is increased an alarm/buzzer is activated.

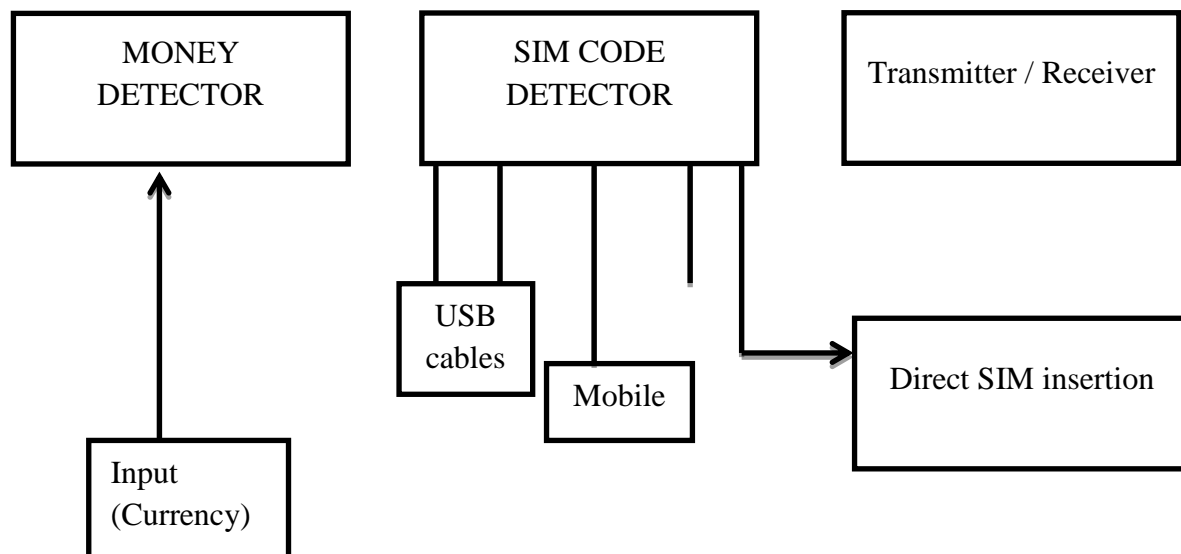
BHOOMIKA.G.M

Ist YEAR ECE-A

AUTOMATIC MOBILE RECHARGER STATION

An automatic mobile charger is one of easiest ways to recharge our mobile anywhere at any time. In this, an automatic mobile recharger the concept is that the person who want to recharge his mobile within a short time, simply enter the amount in the form of note to connect his mobile through the cord then he will get corresponding balance of that particular amount within a minute in the form of text message on his screen.

Another advantage of this system is that one can recharge mobile without having any topic of bank accounts, ATM, VISA etc. This type of recharge is very easy in aspect to handle it. It can be easily handled by illiterate person also because of simplicity in its handling.



The above shown block diagram is tentatively requiring blocks in this mainly used block is money detector. Then SIM detector with USB cables, these cables are used to connect the mobile with system. Also this SIM detector is connected with direct SIM insertion block. It is the most important block and it contains one block of transmitter and receiver. The Indian currency with silver strip can also be detected with the help of the detector.

S.SUBHASHINI

Ist YEAR ECE-A

அம்மா

உன் வலியைப் பொறுத்து என்னை சுமந்தாய்
உன் உடலைக் கொண்டு உயிரைக் கொடுத்தாய்
என் கண்ணைப் பார்த்து உண்மை அறிந்தாய்
என் திறமை புரிந்து ஊக்கம் அளித்தாய்
உன் தேவை மறந்து என் ஆசை செய்தாய்
என்னைக் காக்கும் அன்பு கவசம் ஆனாய்
இத்தனை அளித்தும் ஓய்வின்றி உழைத்தாய்
என்ன தவம் செய்தேனோ
உன்னை தெய்வமாய் அடைந்தேன்
என் இறுதி நாட்களைக் கழிக்க
உன் மடியை நாடும் சிறு குழந்தை ஆனேன்...

B. MEENA RAJALAKSHMI

2nd year ECE-B

17BEC022





பெண்மை :-

மனித கூட்டத்தின் பிறப்பிடம் அவள்...
எம் தாய்திருநாட்டின் உருவகம் அவள்...
பாரதி கவிதைகளின் சொற்கள் அவள்...
பெரியார் கொள்கையின் முன்மொழி அவள்...
ஆதி முலத்தின் பாதி அவள்...
அறிவுச்சிந்தனை ஊற்று அவள்...
ஓடும் ஆற்றின் பெயர் அவள்...
ஒளிரும் குடும்பத்தின் விளக்கு அவள்...
அறுபதாம் வயதிலும் அடுப்பில் இருபாள்...
ஆளுமை திறனில் இவ்வுலகை ஆட்கொள்வாள்..
உண்மை மங்கிய மதுரையில் ஒளிஜோதி ஏற்றினால்...
உன் உணர்வுக்கு ஓர் இழுக்கு என்று உயிர்நீக்க மூடிவு எடுத்தாய்...
தாய் ஆக பால் ஊட்ட தங்கையாய் உறவாட
மனைவியாக ஆதரவு தந்து மகள் எனும் உறவாடி...
என் உலகே அவள் என இருக்கும்
பெண்மை ஓர் பெருமை தானே...

A. MOHAMEDASHIK
17BEC027







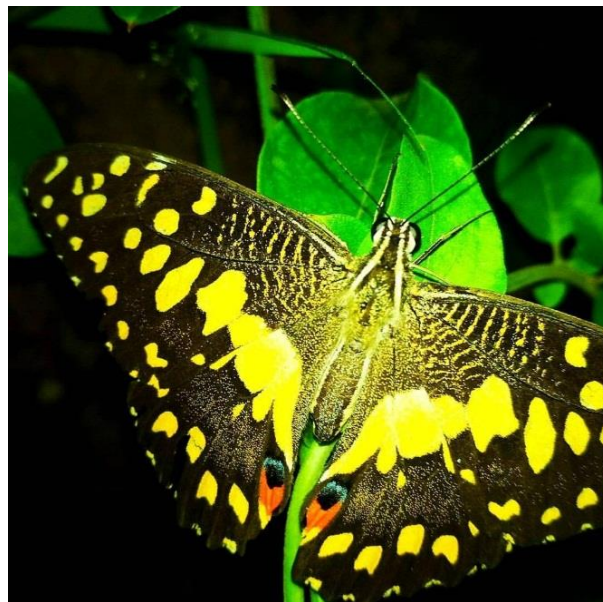
By,
K. KAVIN
17BEC110





By,
S. SOWBAKIYAM
(17BEC115)





By,
P. ROJA
(17BEC054)



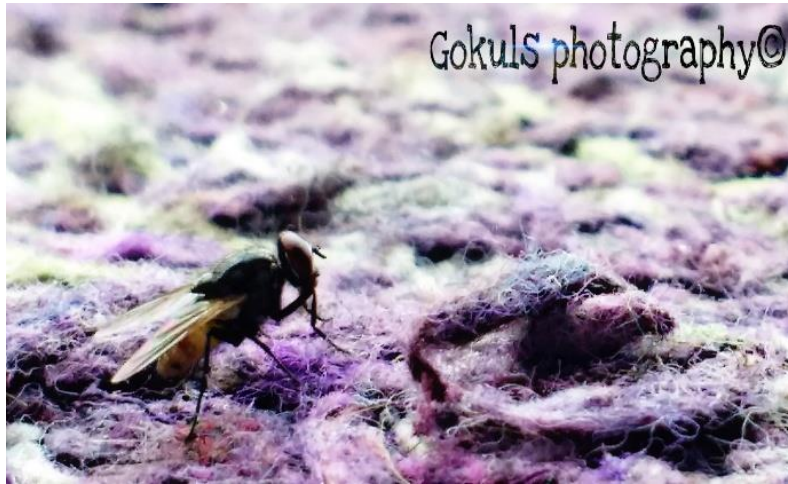
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@POLLACHI_KU_PUTHUSU



By,
NANDHINI V
17BEC072

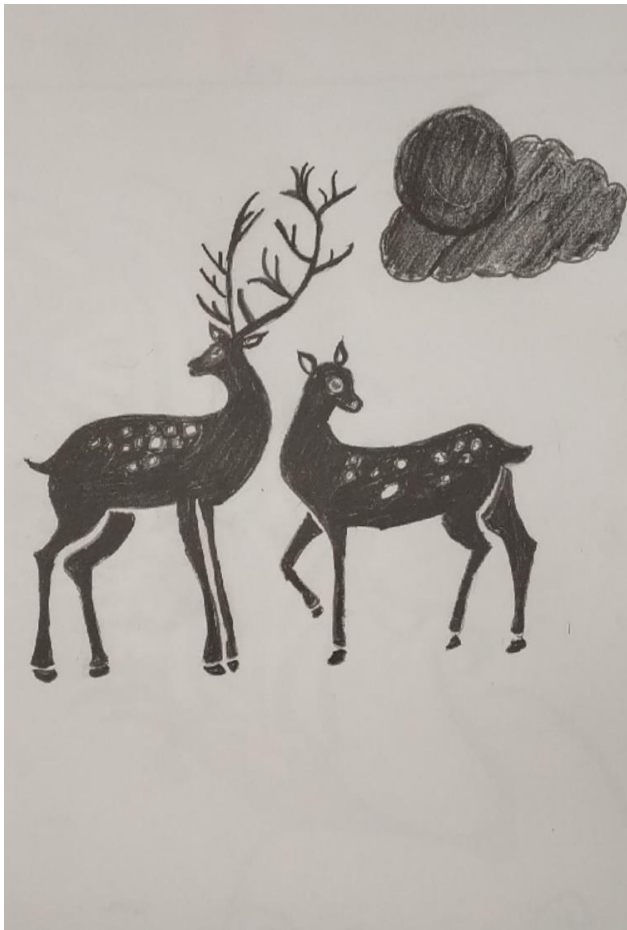




By,

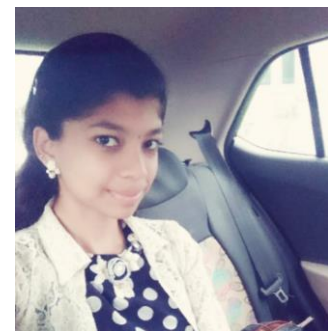
GOKUL ANANTH R

17BEC013

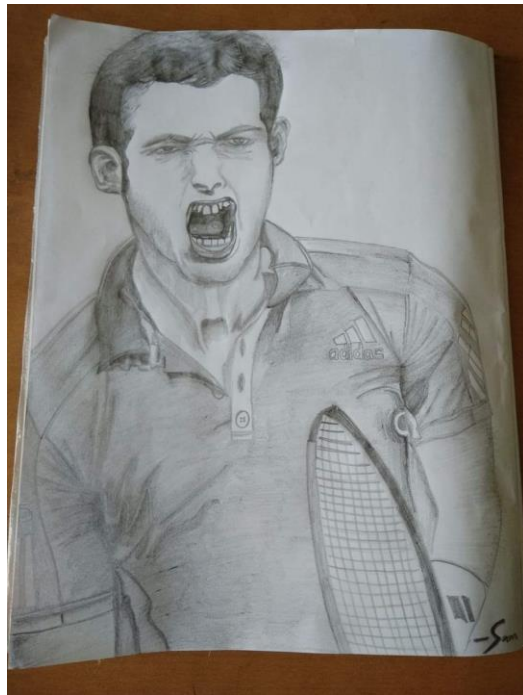


By,
JENIFER T
17BEC057





By,
JAYA KHAVYAA R
17BEC003



By,
SAMYUKTA K
17BEC116



By,
RINYA SUNIL
17BEC107

Dr. Mahalingam College of Engineering and Technology, Pollachi

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Department of Electronics and Communication Engineering

Details of Symposium/Technical Events/Projects/Non Technical

S.No	Roll No	Name of the Student	Details of Event & Venue	Date of the event	Level	Prize if any
1.	16BEC064	S Manju Priya	Completed the circuit simulation of Two stage RC coupled Amplifier under eSim Circuit Simulation Project, IIT Bombay, MHRD Govt of India and fosse better education.	July 2018	National	-
2.	15BEC027	Karthik Sridhar.R.K	Innovate FPGA Global Design Contest: APJ Regional Competition	July 2018	International	Semifinalist
3.	15BEC049	Dayalan S	Innovate FPGA Global Design Contest: APJ Regional Competition	July 2018	International	Semifinalist
4.	16BEC032	Gopala Krishnan C	Symposium ADDICT-2k18 v6.0 Postexia at PA college of Engineering and Technology	18.09.2018	National	-
5.	17BEC007	P. Harishmithaa	Technical Quiz Event ELECTROSPARK 2K18, ECE Department, Dr MCET	08.09.2018	State	Second
6.	17BEC005	S. Kiruthika	Technical Quiz Event ELECTROSPARK 2K18, ECE Department, Dr MCET	08.09.2018	State	Second
7.	17BEC087	Oppilaal Eratchanya D	Technical Quiz Event ELECTROSPARK 2K18, ECE Department, Dr MCET	08.09.2018	State	Third
8.	16BEC058	Vimala T	Budding Artist Conducted by FAC-Doodlers during Varnam 2k18 at Dr.MCET	28.09.2018 and 29.09.2018	State	First
9.	16BEC027	Arunachaleshwaran	Literary event conducted as a part of Brainstrain'18 by the Literary and debating society, Government college of Technology, Coimbatore	28.08.2018	National	-

10.	16BEC027	Arunachaleshwaran	Wordsworth in Vaahan 2k18, RC club, Dept of Mechanical Engineering, Kongu Engineering College, Erode	18.08.2018	National	-
11.	16BEC091	M Alfiya Hameedha	Circuit Scrub, Tekspark'18 at Karpagam Institute of Technology, Coimbatore	12.09.2018	National	-
12.	16BEC075	N Pavithra	Circuit Scrub, Tekspark'18 at Karpagam Institute of Technology, Coimbatore	12.09.2018	National	-
13.	16BEC003	N Namitha	Circuit Scrub, Tekspark'18 at Karpagam Institute of Technology, Coimbatore	12.09.2018	National	-
14.	16BEC091	M Alfiya Hameedha	Tech Connect, Tekspark'18 at Karpagam Institute of Technology, Coimbatore	12.09.2018	National	-
15.	16BEC075	N Pavithra	Tech Connect, Tekspark'18 at Karpagam Institute of Technology, Coimbatore	12.09.2018	National	-
16.	16BEC069	S Shanmathee	Tech Connect, Tekspark'18 at Karpagam Institute of Technology, Coimbatore	12.09.2018	National	-
17.	16BEC003	N Namitha	Tech Connect, Tekspark'18 at Karpagam Institute of Technology, Coimbatore	12.09.2018	National	-
18.	16BEC011	Senthamizh Selvan D	Bug Breaker, Cryptera'18, by Department of Computer science and Engineering, CIT, Coimbatore	19.09.2018	National	-
19.	16BEC075	N Pavithra	YP's Treasure Hunt conducted by Youth Parliament during Varnam, 2K18 at Dr.MCET	28.09.2018 and 29.09.2018	National	Second
20.	16BEC069	S Shanmathee	YP's Treasure Hunt conducted by Youth Parliament during Varnam, 2K18 at Dr.MCET	28.09.2018 and 29.09.2018	National	Second
21.	17BEC041	Lakshmi Praba V	Technobuzz conducted by Spectrum during Varnam, 2K18 at Dr.MCET	28.09.2018 and 29.09.2018	National	Second
22.	17BEC031	Shafiudeen M	Technobuzz conducted by Spectrum during Varnam, 2K18 at Dr.MCET	28.09.2018 and 29.09.2018	National	Second
23.	16BEC060	B Sindhu Lekha	South India Yoga Championship 2018 at Jayanthi Public school, Tiruppur	14.10.2018	National	Third
24.	17BEC312	R Mythili	கட்டுரை போட்டி, 53 ஆம் ஆண்டு கலை இலக்கிய போட்டிகள், ராமலிங்கர் பணிமன்றம், சென்னை	18.08.2018	State	Second
25.	17BEC312	R Mythili	கவிதை போட்டி, 53 ஆம் ஆண்டு கலை	18.08.2018	State	-

			இலக்கிய போட்டிகள் , ராமலிங்கர் பணிமன்றம் , சென்னை			
26.	16BEC051	C Shirmela	கட்டுரை போட்டி, 53 ஆம் ஆண்டு கலை இலக்கிய போட்டிகள் , ராமலிங்கர் பணிமன்றம் , சென்னை	18.08.2018	State	-
27.	16BEC047	A Prabhavathy	கட்டுரை போட்டி, 53 ஆம் ஆண்டு கலை இலக்கிய போட்டிகள் , ராமலிங்கர் பணிமன்றம் , சென்னை	18.08.2018	State	-
28.	16BEC051	C Shirmela	கவிதை போட்டி, 53 ஆம் ஆண்டு கலை இலக்கிய போட்டிகள் , ராமலிங்கர் பணிமன்றம் , சென்னை	18.08.2018	State	-
29.	16BEC047	A Prabhavathy	கவிதை போட்டி, 53 ஆம் ஆண்டு கலை இலக்கிய போட்டிகள் , ராமலிங்கர் பணிமன்றம் , சென்னை	18.08.2018	State	-
30.	16BEC054	P Baratah	53 ஆம் ஆண்டு கலை இலக்கிய போட்டிகள் , ராமலிங்கர் பணிமன்றம் , சென்னை	29.09.2018	State	-
31.	17BEC048	V Nanthika	53 ஆம் ஆண்டு கலை இலக்கிய போட்டிகள் , ராமலிங்கர் பணிமன்றம் , சென்னை	29.09.2018	State	-
32.	16BEC051	Shirmela S	India Quiz-2018, Conducted by Qubate club, at Kumaraguru College of Technology, Coimbatore	14.10.2018	National	-
33.	16BEC067	N.Deepika	India Quiz-2018, Conducted by Qubate club, at Kumaraguru College of Technology, Coimbatore	14.10.2018	National	-
34.	16BEC063	R Sowmya	India Quiz-2018, Conducted by Qubate club, at Kumaraguru College of Technology, Coimbatore	14.10.2018	National	-
35.	17BEC312	Mythili R	India Quiz-2018, Conducted by Qubate club, at	14.10.2018	National	-

			Kumaraguru College of Technology, Coimbatore			
36.	16BEC047	Prabhavathy A	India Quiz-2018, Conducted by Qubate club, at Kumaraguru College of Technology, Coimbatore	14.10.2018	National	-
37.	17BEC022	Meena Rajalakshmi B	Passed Junior Grade Typewriting English(30wpm), at Government technical Examinations, Tamilnadu	26.02.2019	State	-
38.	17BEC022	Meena Rajalakshmi B	Technical Quiz “Electrospark 2K18”, Association of ECE Department-Spectrum, MCET	08.09.2018	State	-
39.	17BEC002	S Balajisreebal	Successfully completed mini project in Arduino entitled Smart Home Automation, Uniq Technologies	May 2019	National	-
40.	17BEC030	Ms Gowri	Completed project titled School Vehicle Collision Detection System using Ultra sonic Sensor at Codebind Technologies, Trichy	27.05.2019 to 31.05.2019	National	-
41.	17BEC012	K S Nivethitha	Triumph Catchers by RRC, during Varnam 2k18, Dr MCET	28.09.2018 and 29.09.2018	National	-
42.	17BEC110	K Kavın	Quiz Event at 8 th National Level Technical Symposium ZENFOX-2K19 at PA college of engineering and technology	25.01.2019	National	First
43.	17BEC110	K Kavın	Fun Event at 8 th National Level Technical Symposium ZENFOX-2K19 at PA college of engineering and technology	25.01.2019	National	Second
44.	17BEC062	Karthigai Priya K	Successfully completed mini project in PIC167877A entitled Body Temperature Monitoring system , Uniq Technologies	May 2019	National	-
45.	17BEC026	Athi Lakshmi G	Successfully completed mini project in PIC167877A entitled Body Temperature Monitoring system , Uniq Technologies	May 2019	National	-
46.	17BEC048	Ms. V. Nanthika	Completed project titled School Vehicle Collision Detection System using Ultra sonic Sensor at Codebind Technologies, Trichy	27.05.2019 to 31.05.2019	National	-

Dr. Mahalingam College of Engineering and Technology, Pollachi

(An Autonomous Institution)

Department of Electronics and Communication Engineering

Consolidated list of student's Online Certification

Sl.No	Roll No	Name	Title	Date/Duration	Conducted by
1.	17BEC001	Karthick K	Digital Circuits	12 week course (Jul-Oct2018)	NPTEL, IIT Kharagpur
2.	17BEC009	Aravind	Digital Circuits	12 week course (Jul-Oct2018)	NPTEL, IIT Kharagpur
3.	17BEC017	Venkatesan B	Digital Circuits	12 week course (Jul-Oct2018)	NPTEL, IIT Kharagpur
4.	17BEC116	Samyukta K	Digital Circuits	12 week course (Jul-Oct2018)	NPTEL, IIT Kharagpur
5.	17BEC037	Indhumathi M	Principles of Signals and Systems	12 week course (Jan-Apr2019)	NPTEL, IIT Kanpur
6.	17BEC098	Harshini T	Ruby	21.06.2019	SoloLearn
7.	17BEC110	Kavin K	Ruby	21.06.2019	SoloLearn
8.	17BEC012	Nivethitha K S	Python 3	01.05.2019	SoloLearn
9.	17BEC012	Nivethitha K S	HTML	29.04.2018	SoloLearn
10.	17BEC116	Samyukta K	CMOS Digital VLSI Design	8 week Course (Feb-Apr2019)	NPTEL, IIT Roorkee
11.	17BEC116	Samyukta K	Principles of Signals and Systems	12 week course (Jan-Apr2019)	NPTEL, IIT Kanpur
12.	17BEC116	Samyukta K	Problem Solving Through Programming in C	12 week course (Jan-Apr2019)	NPTEL, IIT Kharagpur

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Consolidated list of student's Special Certification

S.No	Roll No	Name of the Student	Details of Event & Venue	Date of the event	Level (State/University, National, International)
1	17BEC031	Shafi U Deen M	Council of Europe Level B1, Cambridge English Entry Level Certificate in ESOL International (Entry 3)	16.07.2018	International

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Details of Conference/Journal Presentation

S.No	Name of the Student	Roll No	Title of the Paper	Details
1.	C. Kavipriya	15BEC040	Slotted Patch antenna with DGS structure for wireless applications	International Conference on Science, Technology, Engineering and Management (ICSTEM,19 during 22-23 March 2019 at Kalaingnarkarunanidhi Institute of Technology, Coimbatore
2.	S. Dhinesh Kumar	15BEC042	Slotted Patch antenna with DGS structure for wireless applications	International Conference on Science, Technology, Engineering and Management (ICSTEM,19 during 22-23 March 2019 at Kalaingnarkarunanidhi Institute of Technology, Coimbatore
3.	R Shurithi	15BEC052	Slotted Patch antenna with DGS structure for wireless applications	International Conference on Science, Technology, Engineering and Management (ICSTEM,19 during 22-23 March 2019 at Kalaingnarkarunanidhi Institute of Technology, Coimbatore
4.	Divya Barathi A M	15BEC030	ASIC Design of energy efficient 16bit SAR-ADC	International Conference on Science, Technology, Engineering and Management (ICSTEM,19 during 22-23 March 2019 at Kalaingnarkarunanidhi Institute of Technology, Coimbatore
5.	Shivaramakrishnan B	15BEC038	ASIC Design of energy efficient 16bit SAR-ADC	International Conference on Science, Technology, Engineering and Management (ICSTEM,19 during 22-23 March 2019 at Kalaingnarkarunanidhi Institute of Technology, Coimbatore
6.	Keerthana M	15BEC032	ASIC Design of energy efficient 16bit SAR-ADC	International Conference on Science, Technology, Engineering and Management (ICSTEM,19 during 22-23 March 2019 at Kalaingnarkarunanidhi Institute of

				Technology, Coimbatore
7.	Nandha Kumar S R	16BEC310	FPGA Implementation for area efficient architecture for EDGE detection in Digital Images	International Conference on Science, Technology, Engineering and Management (ICSTEM,19 during 22-23 March 2019 at Kalaingnarkarunanidhi Institute of Technology, Coimbatore
8.	Veera P	16BEC312	FPGA Implementation for area efficient architecture for EDGE detection in Digital Images	International Conference on Science, Technology, Engineering and Management (ICSTEM,19 during 22-23 March 2019 at Kalaingnarkarunanidhi Institute of Technology, Coimbatore
9.	Arun Kumar S	15BEC075	ASIC Implementation of Error Tolerant unsigned multipliers with configurable error recovery	International Conference on Science, Technology, Engineering and Management (ICSTEM,19 during 22-23 March 2019 at Kalaingnarkarunanidhi Institute of Technology, Coimbatore
10.	Giri Prasath P	16BEC320	ASIC Implementation of Error Tolerant unsigned multipliers with configurable error recovery	International Conference on Science, Technology, Engineering and Management (ICSTEM,19 during 22-23 March 2019 at Kalaingnarkarunanidhi Institute of Technology, Coimbatore
11.	Kesavan M	15BEC055	ASIC Implementation of Error Tolerant unsigned multipliers with configurable error recovery	International Conference on Science, Technology, Engineering and Management (ICSTEM,19 during 22-23 March 2019 at Kalaingnarkarunanidhi Institute of Technology, Coimbatore
12.	Praveen Kumar P	15BEC091	ASIC Implementation of Error Tolerant unsigned multipliers with configurable error recovery	International Conference on Science, Technology, Engineering and Management (ICSTEM,19 during 22-23 March 2019 at Kalaingnarkarunanidhi Institute of Technology, Coimbatore

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Details of Sports

S.No	Name of the Student	Roll No	Title of the Event	Details	Prize if Any
1.	B.Kirubakaran	16BEC055	Anna University Inter zonal Tournament-KHO-KHO(Men)	Anna university, Guindy from 30.09.2018 to 01.10.2018	Runner
2.	D Gowtham	16BEC018	Anna University Inter zonal Tournament-KHO-KHO(Men)	Anna university, Guindy from 30.09.2018 to 01.10.2018	Runner
3.	D Gowtham	16BEC018	MCET Trophy 2K19 KHO-KHO	Dr.MCET Pollachi from 26.01.2019 to 27.01.2019	Winner
4.	D Gowtham	16BEC018	Anna University zonal Athletic meet, Athletics (Men)-800mts	Dr.MCET Pollachi from 15.10.2018 to 16.10.2018	Second
5.	D.Gowtham	16BEC018	Anna University zonal tournaments, KHO-KHO (Men)	Hindusthan College of Engineering and Technology, 10.09.2018 to 11.09.2018	Winner
6.	B.Kirubakaran	16BEC055	Anna University zonal tournaments, KHO-KHO (Men)	Hindusthan College of Engineering and Technology, 10.09.2018 to 11.09.2018	Winner
7.	B.Kirubakaran	16BEC055	KICS'18, KHO-KHO men	Kumaraguru College of Technology, 15.08.2018 to 17.08.2018	Third
8.	D.Gowtham	16BEC018	KICS'18, KHO-KHO men	Kumaraguru College of Technology, 15.08.2018 to 17.08.2018	Third
9.	Roja P	17BEC054	Anna University Zonal Athletic meet 2018-2019, Athletics (women), 1500mts	Dr.MCET Pollachi from 15.10.2018 to 16.10.2018	Third

10.	Roja P	17BEC054	Anna University Zonal Athletic meet 2018-2019, Athletics (women), 800mts	Dr.MCET Pollachi from 15.10.2018 to 16.10.2018	Second
11.	Roja P	17BEC054	A member of Cricket Women	KICS' 18 on 15.08.2018 to 17.08.2018	First
12.	Roja P	17BEC054	A member of Athletic women, 4x100mts relay	KICS' 18 on 15.08.2018 to 17.08.2018	Third
13.	Roja P	17BEC054	Anna University Zonal Athletic meet 2018-2019, Athletics (women), 4x400mts relay	Dr.MCET Pollachi from 15.10.2018 to 16.10.2018	Third
14.	Roja P	17BEC054	KHO-KHO 8 th SIICA tournaments for the year 2018-2019	Dr MCET 23.02.2019 to 26.02.2019	Runners
15.	Roja P	17BEC054	400mts 8 th SIICA tournaments for the year 2018-2019	Dr MCET 23.02.2019 to 26.02.2019	Third

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Details of NCC/NSS

S.No	Name of the Student	Roll No	Title of the Event	Details	Prize/Award if Any
1.	Vimala T	16BEC058	Combined Annual Training Camp	Rathinam College of Arts and Science, Coimbatore from 18.07.2018 to 27.07.2018	Winners
2.	Siva Prasanna P R	17BEC042	Represented his NCC Directorate at the Ek Bharat Shreshth Bharat Camp-II	Durg Chhattisgarh from 13.09.2018 to 24.09.2018	-
3.	Siva Prasanna P R	17BEC042	CATC-CUM-TSC Selection Camp	PSG college of technology, Coimbatore from 29.06.2018 to 08.07.2018	-