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ECE NEWS

Department of Electronics & Communication Engineering
Jyothi Engineering College, Cheruthuruthy, Thrissur - 679531



Vision

Create eminent and ethical leaders in the field of Electronics and Communication through quality professional education to excel in academia and industry.

Mission

- Provide theoretical and practical knowledge through quality education and life skills training to make competent graduates with social commitment.
- To impart entrepreneurial orientation and research motivation among the students through knowledge transfer with industrial, academic & research institutions.

DEPARTMENT ACTIVITIES & ACHIEVEMENTS

• ECSA ACTIVITIES

- Mr. Ponmani Raja M., Asst. Professor, is nominated as Electronics & Communication Engg. Students' Association (ECSA) Coordinator.



• PLACEMENTS

- The following students of S8 ECE have been placed in Sutherland Global Ltd. through Campus placement drive held at JECC on 01/02/2018.
 - Gokul P
 - Harsha R
 - Athira S Pillai
- Got placed in TCS: Pranav V V, Nayana P N, Arya C, Palatty Jesvin Joseph
- Ms. Irene C Jose, Ms. Haritha K M and Ms. Niveditha Vinod of S8 ECE got placed in Amazone through Amazon pooled campus recruitment drive, held at JECC campus on 16th and 17th January 2018.

- **Ms. Revathi R K Nair** of S8 ECE B got selected in the 'Poornam Infovision' pooled campus recruitment drive, held at JECC campus on 9th January 2018.
- **Ms. Harsha R, Ms. Athira S Pillai** and **Mr. Gokul C** of S8 ECE A got placed in **Sutherland Global Services Ltd** through campus recruitment drive, held at JECC campus on 1st February 2018.

STAFF ACTIVITIES & ACHIEVEMENTS

- Ms.Drisya M K got selected in KTU PhD programme 2018-2019



- Ms. Annie P. Joseph attended duty as observer for KTU university examination at IES College of Engineering, Chittilappilly.
- Mr. Dipin Krishnan attended duty as observer for KTU university examination at GEC, Thrissur.
- Mr. Jinesh K J got an appreciation from Texas Instruments for his active involvement in project related matters



- Ms. Bindhu K. Rajan & Mr. Dipin Krishnan R Successfully completed NPTEL Course in Digital Image Processing and communication systems respectively.



- Ms. Bindhu K. Rajan got selected in KTU PhD programme 2018-2019.

- Ms. Bindhu K Rajan & Ms. Anjitha V, Asst. Professors, published a paper titled” *Braille Code conversion to Voice in Malayalam*” in IEEE Digital Xplore 2018.



Ms. Bindhu K Rajan & Ms. Anjitha V

- **Mr. Jinesh K J** Asst. Professor, participated in Manorama yuva master mind 2018 held at Kollam on 09/01/2018 & 10/01/2018.
- **Jinesh K J** and **Bindhu K Rajan** attended centralised valuation camp at NSS on 18/01/2018.
- Paper titled "*Light Field Imaging:- A Comparative Study of Plenoptic Image Compression Techniques.*" by Ms. **Sneha Pauly**(S2 M.Tech ECE) and Ms. **Bindhu K Rajan**, AP ECE has been accepted for presentation in the IEEE International Conference on Control, Power, Communication & Computing technologies ICCPCCT 2018 at Vimal Jyothi Engineering College Kannur

STUDENTS ACTIVITIES AND ACHIEVEMENTS

- The following students Attended KSUM Idea day and got grant of 30,000 INR



1. Sooraj O R



2. Namboothiri Swathy Vasudevan

- PRANAV VIJAYAN, PALATTY JESVIN JOSEPH, VARADHA N, SHRUTHY CHANDRAN are participated in KSUM idea fest for the project entitled “ BRAILEX PRINTER” and granted for an amount of Rs. 2 Lakh.



- Following students completed ACC diploma under calicut university.

1. Disni Jose
2. Megha Thomas
3. Rinku George
4. Saniya A S
5. Sharon James

- Following students Participated in workshop on ‘Embedded Systems and Robotics’ at Nehru college of engineering and research

1. Sooraj O R
2. Sankalp O R
3. Rinku George
4. Sneha M K
5. Varadha N
6. Pravitha P G
7. Nayana P N
8. Megha Thomas
9. Sreelakshmi P K
10. Namboothiri Swathy Vasudevan
11. Sophy Shaju

- Completed one Month internship at Espina software Kochi

Chandni M S

- Completed one month internship at CIAL
Pranav V V

- Completed internship at Hella India Automotive pvt. Limited, Pune
Palatty jesvin joseph

- Project proposal entitled ‘SMART MEDICARE’ guided by **MR.Jinesh KJ,AP ECE** has been provisionally approved for a Financial assistance of RS 6500/- under Innovate scheme of **KSCSTE-2018**

Team Members

- 1) Disni Jose S5ECE
- 2) Anjana K P S5 ECE
- 3) Blessy Babu S5 ECE
- 4) Prasobh K P S3 ECE
- 5) Olivia Nelson S3 ECE

- **Adarsh K U, Aiswarya Paulson, Joshua Jolly, Albin Anto & Jissa Mariya** guided by **Ms. Sindhu S**, presented paper titled “ **Privacy Enhancement Biometric Vein Pattern recognition System**” at KETCON, held at Sahrydaya College of Engineering from 22/02/18 to 25/02/18.

- **Arts and Sports:**

NAME	ITEM	POSITION
<ul style="list-style-type: none"> • Sreelakshmi (S4 ECE) • Roshni J Nair • Sangamithra • Suchithra • Manu Sharma • Marian Davis Kattukkaran • Prince Benny • Sreerag V V • Sibin Krishna 	Group Song	Third
<ul style="list-style-type: none"> • Sreelakshmi (S4 ECE) • Roshni J Nair • Sangamithra • Suchithra • Manu Sharma • Marian Davis Kattukkaran • Prince Benny • Sreerag V V • Sibin Krishna 	Desabhakthiganam	Third
<ul style="list-style-type: none"> • Sreelaksmi (S4 ECE) 	CLASSICAL SONG(GIRLS)	FIRST
<ul style="list-style-type: none"> • Manu Sharma (S4 ECE) 	Lalithaganam(Boys)	Second

• Sreejith Vijayakumar (S4 ECE)	1500m (Boys)	Third
• Nimisha Tony(S4 ECE) • Sangamithra	4×100m Relay(Girls)	Third
• Nimisha Tony (S4 ECE) • Sangamithra	Throw Ball(Girls)	Second
• Ms. Merin Joshy (S8 ECE)	Bhrathanatyam	First
• Ms. Merin Joshy (S8 ECE)	Nadodinrithyam	First

- Participated in Young Innovators Program by Kerala Startup Mission at SCMS College: Sankalp O R ,Sneha M K.
- Project entitled “**Braillex- a cheap Braille printer from scrap dot matrix printer**” guided by **Dr. Suresh P** and **Mr. Jinesh K J**, Asst.Professor, ECE won first prize in the Manorama Yuva Master Mind Competition held at Younus Convention Centre, Kollam from 08/01/2018 to 10/01/2018. First Prize comprises of Memento and cash prize of 1 Lakh Rupees.

Student Members are:

1. **Mr. Palatty Jeswin Joseph, S6 ECE**
2. **Mr. Pranav V , S6 ECE**
3. **Ms. Shruthi Chandran ,S6 ECE**
4. **Ms. Varadha N ,S6 ECE**
5. **Mr. Bernaud K B, S6 ME**

- Project entitled “**Smart medicare**” guided by **Mr. Jinesh K J**, Asst.Professor, ECE won first prize for the best hardware project at TEKON- KTU Techfest held at Sahradaaya College Student Members are: Disni Jose, Anjana K P, Blessy Babu:-



Mr. Jinesh K J

- **Revathi R K** of S8 ECE B secured third prize in Essay Writing Competition held at JECC.
- **Gautam V R** of S6 ECE received special mention for Essay Writing Competition held at JECC.

- Project titled “ **Privacy Enhancement Biometric Vein Pattern recognition System**” by **Adarsh K U, Aiswarya Paulson, Joshua Jolly, Albin Anto & Jissa Mariya** guided by **Ms. Sindhu S**, has been selected for presentation at KETCON, to be held at Sahrydaya College of Engineering.
- Thejus Tony, Ritta Joy ,Nima Joshy and Nikeeta Saji presented a paper entitled “**Deafado - a friend in need**” at TEKON- KTU Techfest held at Sahradaya College
- The following students of S3 ECE have been qualified the level 1 of Cambridge English Language Assessment (BEC) on 16/03/18:

- 1.Kavya
2. Akjila V
- 3.Mariya Shaji
4. Megha Godson
5. Ashwini Namboothiri
6. Vyshna A K
7. Shabna Salim
8. Vrindha M K
9. Ammumol Joseph
10. Denitha Davis
11. Alin Rose David
12. Malini Mohandas
13. Athira Manikandan
14. Jeena Jose
15. Varsha V
16. Padmapriya
- 17.Rohith P V
18. Jishnu K

- Participation in Idea Pitching at JECC :Krishnapriya P P, Disni Jose M
- Participated in NIT Calicut two day Techfest Program: Blessy Babu

- **INTERNSHIP/INDUSTRIAL VISITS/EDUCATION TOUR**

- An internship in ARKIVE INDUSTRIES,CALICUT ,those who participated are:

1. Amal prem
2. Divij K Sajan
3. Febin Rinson K
4. Amarnath
5. Bhuvanesh S S
6. Ajith Antony

7. Ajay T S
8. Johnson P
9. Karthika vijayakumar
10. Besy T B
11. Bassim Mehar
12. Greeshma K
13. Gilna joy
14. Anu Mariya Vincent

- An internship in ROBOTICS in PACE LAB ERNAKULAM :Avin K V
- An internship at spatez technologies thrissur, those who participated are:
 1. Amal Unnikrishnan
 2. Akhila Krishnakumar
 3. Lakshmi P
 4. Julit Thomas
- An internship at Schneider electric Jigani of 5 days: Catherine C Jejo.
- The following students of **S5 ECE-B** have attended the industrial visit at **Keltron**.

- 1)Lena kollath
- 2)Mareena Mariya Abraham
- 3)Marian Devis Kattukaran
- 4)Mary Jeethu AJ
- 5)Mubashira KM
- 6)Nandana K
- 7)Nimisha MS
- 8)Nimisha Tony
- 9)Nithin Mohan
- 10)Oliva Nelson
- 11)Pavithra P
- 12)P Dhanya Raj
- 13)Pooja P
- 14)Pranav P
- 15)Prashob KP
- 16)Prince Benny
- 17)Priya K
- 18)Radhika
- 19)Rinosha KR
- 20)Riya Albert
- 21)Riya PS

- 22)Roshni Nair
- 23)Safna M
- 24)Sajin Shaji
- 25)Sandra
- 26) Sangamithra
- 27)Saranya
- 28)Shahan Fathima K
- 29)Shahala P
- 30)Shamseena
- 31)Sharan
- 32) Sreelakshmi
- 33)Sreerag VV
- 34)Sruthimol NT
- 35) Sruthisha Sasi
- 36)Swetha Sara George
- 37)Vishnu K
- 38)Christeena Paulson
- 39)Manu Sharma
- 40)Naveen TU
- 41)Mubin

- The following students of **S5 ECE-B** have attended the industrial visit at **CEDICOM**.

- 1)Manu Jenson
- 2)Nikhil KJ
- 3) Muhammad Arshad
- 4) Narayanan MB
- 5)Sachin PS
- 6)Sarath Raj
- 7) Sreerag KM
- 8)Sreerag TK
- 9)Vishnu Prakash
- 10)Vishnu V
- 11)Sibin Krishna C
- 12)Sreejith VijayaKumar

- Internship at All India Radio Thrissur

1. SARATH S MENON
2. RIJO JOY
3. RENIL JOSE
4. JEESHMA MOHAN
5. JISHA E
6. ANITTA MARIYA SIMON

7. JINCY GEORGE
8. NAYANA P N
9. MEGHA THOMAS
10. SANKALP O R
11. RINKU GEORGE
12. SNEHA M K
13. DENCY DAVIS
14. AQUILA THOMAS
15. SANIYA A S

- Participation in KIED Workshop at Kochi: PRANAV V V

- Internship at SPATEZ Thrissur

1. BHARATH CHANDRAN K
2. CLINTO JOEMON
3. ANEESH K AUGUSTINE
4. GOUTHAM V R

- Internship at Keltron Kannur

1. ASWATHY S S
2. ARYA RAJEEV M A

❖ SKILL DEVELOPMENT TRAINING

- The students participated in Internet of things(IOT) Workshop held at NIT on March 3rd &4th are:

1. Kavya Sunil
2. Jishnu V Nair
3. Amith T V
4. Deepak krishnan
5. Divij K Sajan
6. Amal Prem
7. Induja
8. Karthika Vijayakumar
9. Besy T B
10. Bhuvanesh S S
11. Julit Thomas
12. Athira K
13. Fathimath Nihala
14. Ashila Mathews
15. Johnson P
16. Ajith Antony

- The following students participated in Machine learning workshop held at NIT Calicut on March 3rd and 4th are:
 1. Amal Unnikrishnan
 2. Akhila Krishnakumar

- The students who participated in workshop at JEC on ‘Introduction to programming’ on 3rd march 2018 jointly organized by CSE students and amicus are:-
 - 1.Chinmayi G panicker
 - 2.Binitha PB
 - 3.Anu Anto
 - 4.Archana Chandraprakash
 - 5.Anagha Rajeev
 - 6.Athira S
 - 7.Amarnath
 - 8.Ajay Suresh
 - 9.Divine Mathew
 - 10.Harish To
 - 11.Febin Rinson K

- **Mr. Sooraj O R, Mr. Palatty Jeswin Joseph, Mr. Sankalp, Ms. Chandini M S and Ms. Sneha M K** won first prize in the “Hacksquad” Competition held as part of Dhrishti ‘18 at College of Engineering, Trivandrum on 20/01/2018 & 21/01/2018.

- **Mr. Sathyaseelan K**, Principal, Special School, Kunnankulam gave an invited talk to S6 ECE students on 30/01/2018.

- Additional Skill Acquisition Programme course on **CCTV installation technician** has been approved for ECE Dept.

Programme Educational Objectives (PEOs)

- I Graduates shall have fundamental and advanced knowledge in electronics and communication engineering along with knowledge in mathematics, science and computing and get employed in national or international organizations or government agencies.
- II Graduates shall have ability in analyzing, designing and creating innovative solutions which lead to a lifelong learning process or higher qualification, making them experts in their profession thus helping to solve electronics & communication engineering and social problems.
- III Graduates shall have good organizing capability, presentation skills, communicating ability, leadership, team work and ethical practices.

Programme Outcomes (Pos)

The Program Outcomes of Under-Graduate programs in Electronics & Communication Engineering are :

Students will have:

- a. Ability to apply knowledge of mathematics, science and engineering in the field of Electronics & Communication engineering.
- b. Ability to design and conduct experiments, analyze and interpret data and results in Electronics & Communication engineering.
- c. Ability to design Electronics & Communication systems, components, or processes to meet the desired needs within realistic constraints such as health and safety, manufacturability and sustainability with economic, environmental, social, political and ethical considerations.
- d. Ability to work individually as well as in multidisciplinary teams as a member or as a leader to accomplish the common goal.
- e. Ability to identify, analyze, formulate, and solve engineering problems.
- f. Knowledge of professional and ethical responsibility.
- g. Ability to communicate effectively in both verbal and written form in any area of their field to the industry, and society.
- h. Broad knowledge necessary to understand the impact of engineering solutions on individuals, organizations and society.
- i. Ability to engage in life-long learning to update their knowledge to keep pace with changes caused by the dynamic nature of the engineering field.
- j. Awareness of contemporary issues that help to integrate advanced and sustainable solutions in the user environment.
- k. Ability to use techniques, skills, and modern engineering tools, software and equipment necessary for designing, developing electronic systems.