



R R Institute of Technology

Chikkabanavara, Bengaluru-90



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Vidyunmaana

December 2017

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Vision

Producing innovative, creative and ethical Electronics & Communication Engineers and focus to meet socio-economic needs of world by 2020.

Mission

To Impart quality education in the field of Electronics & Communication Engineering students to meet the global technical and professional standard.

From Principal's Desk



Dr M.S. Bhagyashekar
Principal

Heartily congratulations to the Department of Electronics and Communication Engineering for compiling the achievements of the faculty and students and presenting them excellently through the department newsletter "Vidyunmaana".

From HOD's Desk

"Education is the most powerful weapon which you can use to change the world."

I am very much pleased to present the Vol 2, Issue 1 of our department newsletter **Vidyunmaana**".

In this issue, we have presented the news related to diverse activities conducted by departmental association, Association of Electronics and Communication Engineers (RRAECE), and also contributions and achievements of our faculty members and students.

Dr. Venkatesh K, Professor and HOD



Message form Editorial Desk



Prof. Prem sagar H



Prof. Mohan Kumar BN



Prof. Vijayalaxmi P

We are very much delighted to present Department newsletter "Vidyunmaana" Vol 2, Issue-1. Which projects the milestones achieved by the department. We congratulate and thank all the achievers for their distinguished contribution.

Activities in the Department :

1. Student Development Program (SDP) on “*Atomic theory, Semiconductor material and its Application*” was organized on 7th September 2017. The objective of the SDP was to impart in depth knowledge in the domain of basic theory of Atomic electronics, Semiconductor devices (Diode and transistor), Number system, Digital logic and basic of communication system.

Resource Persons: Dr. Shipra Upadhaya , Mr. Premsagar H, Mrs. Vijayalaxmi P and Mr. Mohan Kumar B N.



2. Technical Talk on “*EDPF and CO in Electronics Industry Across Glob*” was held on 11th October, 2017.
3. **Resource Persons:** Mr. Lakshmi Narsimha I N ,Product Manager, Schemazen

This talk provided an opportunity for The students to gain practical knowledge in current hardware, Board/Product design flow in the Industry and Computer organization , this will build a passionate career in the field of advance design the field of Electronics.



3. The Department has signed a Memorandum of Understanding (MOU) between Institute of Research & Development India, Odisha.

This MOU will create a bridge between Academics and Industry to cater the needs of R&D for the students has well as research scholars of the department.

☆ TOPPER OF THE DEPARTMENT :

Bhavyashree G
1RI13EC015
86.4%

☆ Top scorers of even semester 20172st Sem

Keerthi S
1RI16EC009
SGPA-7.75(73.6%)



Bhanuprakash S
1RI16EC004
SGPA-7.25(68.8%)



Yeshaswin D
1RI16EC032
SGPA- 7.08(67.26%)

4rd Sem

Ashwani L
1RI15EC006
SGPA-7.14(67.8%)



Pramodh Punithan
1RI15EC012
SGPA-6.93(65.8%)



Chaitra B
1RI15EC011
SGPA-5.93(56.3)

6th Sem

Santhoshilakshmi
1RI14EC050
77.66%



Vinutha C
1RI14EC064
72.77%



Bindhu V
1RI14EC008
71.66%

8th Sem

Nethravathi V
1RI13EC032
85%



Sushma Behara
1RI13EC060
84%



Anjali Sathish
1RI13EC005
83.33%

☆ **Student accomplishments :**



1. VinayKumar J G, 7th sem student of the department, represented VTU Kabbadi (Men) team in South Zone Inter-University Tournament 2017-18 held at Sathyabama University, Chennai on 19th to 22nd November 2017. He has participated in RRIAS-KL (Inter-collegiate Kabbadi Tournament) organized by R R Institute of Advanced studies, and received award as the- Best Catches of the tournament. He has also participated in the Kabbadi team which won First price at Bengaluru Rural Dasara Meet 2017-18 held at Kanteerava indoor stadium organized by Govt of Karnataka.



2. Hithesh Krishna K, 7th sem student of the department has participated in a Technical Debate compitation at Inter-college-Technical Symposium “ACSTRONIX - 2K17” organized by Department of Electronics and Communication, ACS College of Engineering, Bengaluru on 10th November 2017.

3. Ashiwarya K , Brunda N , Pavitra G N (5th sem) performed a classical dance on 14th October 2017 at Heritage Club.

4. Shinshi Jacob , Supirtha R , Anija S Nair, Savitha ,Namratha N , Gagana N (7th Sem) ,Pooja R , Nithushree J (3rd sem) performed a dance to a traditional old kannada Song on 14th September 2017 at Heritage Club.



☆ **Faculty accomplishments:**

1. Prof. Ravi M K completed the course work for the award of PhD in Department of Electronics, Himalayan University, Aurnachala Pradesh, India.
2. Prof. Parimala Gandhi G and Prof. Premsagar H participated in a One day Work shop on “*Quality Improvement Programme on Research Methods*” Conducted by Internal Quality Assurance Cell (IQAC) on 14th October 2017.
3. Prof. Niranjana L and Mr. Ravi M K attend a One day Work shop on “*Cloud Computing and IOT*” Conducted at ISM UNIV on 25th October 2017, Bengaluru.
4. All the faculty of Dept. of ECE participated in “*Faculty Development Program on PO, PSO, CO Attainment*” held on 18th of November 2017, at RRIT, Bengaluru.
5. Prof. Manoj Priyatham P and Prof Savitha R attend Academia Meet on Electronics Sector Skills Council of Indian (ESSCI) held on 19th August 2017, Bengaluru.
6. Prof Parimala Gandhi G was in the organizing committee to organize Workshops on “*Gender Sensitization*” held on 06th September 2017 and “*Career Success and Personal Effectiveness*” held on 23rd September 2017 under ICC-Internal Complaint Committee.
7. Prof Manoj Priyatham P received Best Researcher award for the year 2016 -17, RRIT.
8. Prof Parimala Gandhi G received Best Motivator award for the year 2016 -17, RRIT.
9. The following faculty members got Appreciation for obtaining cent percent results in the year 2016-17
 - i. Prof. Chandra Kumar H S – Digital Switching System (8th Sem)
 - ii. Prof. Suhas A R - Embedded System (7th sem)
 - iii. Prof. Niranjana L – Computer Communication Network (CCN, 7th sem)
 - iv. Prof. Sreekanth B, Optical Fiber Communication (OFC, 7th Sem)
 - v. Prof. Vijayalaxmi P - Network Security (NS, 8th sem.)
 - vi. Prof. Anshu Deepak – Image Processing (IP, 7th sem)



Best Researcher Award 2016-17



Best Motivator Award 2016-17

Award of Appreciation for faculties for securing cent percent results in their respective subjects for 2016-17



Faculty Publications (From 01/06/2017 to 30/12/2017)

1. Dr. Manoj Priyatham M., "IOT Based Noise Pollution Monitoring", International Journal of Engineering in Computer Science Engineering (IJERCSE), Vol 4, Issue 6, 2017, Pg no: 342-346, ISBN-23942320.
2. Dr. Manoj Priyatham M., "Automatic Door Locking System", International Journal of Engineering in Computer Science Engineering (IJERCSE), Vol 4, Issue 6, 2017, Pg no: 352-355 ISBN-23942320.
3. Dr. Manoj Priyatham M., "A Novel Approach to Street Light Automation", Dr. Manoj Priyatham M., "Automatic Door Locking System", International Journal of Engineering in Computer Science Engineering (IJERCSE), Vol 4, Issue 6, 2017, Pg no: 367-368, ISBN-23942320.
4. Dr. Manoj Priyatham M., "Microcontroller Based Car Parking Automation", International Journal of Engineering in Computer Science Engineering (IJERCSE), Vol 4, Issue 6, 2017, Pg no: 360-363, ISBN-23942320.
5. Dr. Manoj Priyatham M., "On-road Night Time Smart Vehicle Light Detection", International Journal of Engineering in Computer Science Engineering (IJERCSE), Vol 4, Issue 6, 2017, Pg no: 364-366, ISBN-23942320.
6. Dr. Manoj Priyatham M., "A Novel Approach to Control Speed of Automobile", International Journal of Engineering in Computer Science Engineering (IJERCSE), Vol 4, Issue 6, 2017, Pg no: 367-368, ISBN-23942320.
7. Dr. Manoj Priyatham M., "LPG Gas Sensor", Dr. Manoj Priyatham M., "Automatic Door Locking System", International Journal of Engineering in Computer Science Engineering (IJERCSE), Vol 4, Issue 6, 2017, Pg no: 369-371, ISBN-23942320..
8. Prof. Niranjan L, "Design and Implementation of Security based Automatic Teller Machine Against Intruders", International Journal of Engineering in Electronics and Communication Engineering (IJERECE), Vol 4, Issue 6, 2017, Pg no 260-266, ISBN-2394-6849.
9. Prof. Niranjan L, "A Novel Approach to Wireless Power Transmission in Non-Radiative Field", International Journal of Engineering in Electronics and Communication Engineering (IJERECE), Vol 4, Issue 6, 2017, Pg no: 304-310, ISBN-2394-6849.
10. Prof. Niranjan L, "Home Automation using SCADA and IOT", International Journal of Engineering in Electronics and Communication Engineering (IJERECE), Vol 4, Issue 6, 2017, Pg no 335-344, ISBN-2394-6849.
11. Prof. Sreekanth B., "Robotic Four Wheeler for Health Monitoring", International Journal of Engineering in Computer Science Engineering (IJERECE), Vol 4, Issue 6, 2017, pg.no 280-287, ISBN-2394-2320.
12. Dr. Shipra Upadhyay, "Intelligent Food Distribution System International Journal of Engineering in Computer Science Engineering (IJERECE), Vol 4, Issue 6, 2017, Pg. no. 296-299, ISBN-2394-6849.
13. Prof. Mohan Kumar B.N., Prof. Chandra Kumar H.S., Prof. Vijayalaxmi P, "Reduced Instruction Set Computer Processor for Cryptographic application", International Journal of Engineering in Computer Science Engineering (IJERECE), Vol 4, Issue 6, 2017, pg.no 393-398, ISBN-2394-2320.
14. Mr. Premsagar H., "Real Time Smart ATM System Using RedTaction-Han Technology", International Journal of Engineering in Computer Science Engineering (IJERECE), Vol 4, Issue 6, 2017, pg no 248-353, ISBN-2394-6849.
15. Mr. Mohan Kumar B.N., "Automatic Resistance Spot Welding Using ARM Controller", International Journal of Engineering in Computer Science Engineering (IJERECE), Vol 4, Issue 6, 2017, Pg no 236-241, ISBN-2394-6849.

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16. Prof. Savitha R , “Vehicle Security system using Bio-metric finger print using GSM &SMS Alert”, International Journal of Engineering in Electronics and Communication Science Engineering (IJERECE), Vol 4, Issue 6, 2017, Pg.no 267-270, ISBN-2394-6849.
17. Prof. Suhas A.R., “Cycle Time Reduction of Transmitting Output Power Measurement of URRF Radio”, International Journal of Engineering in Electronics and Communication Science Engineering (IJERECE), Vol 4, Issue 6, 2017, pg.no.:321-325, ISBN-2394-6849.
18. Prof. Parimala Gandhi G , „Non linear Dynamic system Identification using MRAN Algorithm”, International Journal of Engineering in Electronics and Communication Science Engineering (IJERECE), Vol 4, Issue 6, June 2017, Pg.no : 288-291, ISBN-2394-6849.
19. Prof. Anshu Deepak, "Failure Monitoring Analysis of Flight Control System of an Aircraft ", International Journal of Engineering in Electronics and Communication Science Engineering (IJERECE),, Vol 4, Issue 6, June 2017, Pg.no : 326-332, ISBN-2394-6849.
20. Prof. Niranjana L , “ WSN based Irrigation Vehicle Operated Using Smartphone (AGRIBOT)”, International Journal of Engineering in Electronics and Communication Science Engineering (IJERECE), Vol 4, Issue 6, June 2017, Pg.no : 326-332, ISBN-2394-6849.
21. Prof. Chandra Kumar H S “Establishing High Transmission Bandwidth from service Providers Through SDH” International Journal of Engineering in Electronics and Communication Science Engineering (IJERECE), Vol 4, Issue 6, June 2017, Pg.no : 314-332, ISBN-2394-6849.
22. Dr. Manoj Priyatham M., “Home Automation using Buletooth and IOT Module”, International Journal of Engineering in Computer Science Engineering (IJERCSE), Vol 4, Issue 6, 2017, Pg no: 347-351 , ISBN-23942320.

Quotes :-

1. *“Electronic communication is an instantaneous and illusory contact that creates a sense on intimacy without the emotional investment that leads to close friendship”*
-Clifford Stoll
2. *“We live in a society exquisitely dependent on science and technology , in which hardly anyone knows anything about science and technology “*
- Carl Sagan
3. *“A Human being is part of a Whole , called by us the “Universe “ Limited in Time and Space . He experiences himself ,his thoughts as something separated from the rest - A kind of Optical Delusion of his consciousness. This delusion is a kind of prison for us ,restricting us to our personal desires and to affection for a few persons nearest to us . Our task must be to free ourselves from this prison by widening our circles of compassion to embrace all living creatures and the whole of nature in its beauty”*
-Albert Einstein
4. *“Knowing is not enough we must apply , Willing is not enough we must do .”*
-Bruce Lee
5. *Your future is created by what You do Today , Not Tomorrow “*
- Unknown