



# R R Institute of Technology

Chikkabanavara, Bengaluru-90

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



## Vidyunmaana

December 2017

### Index of this issue

From Principal's Desk	1
From HOD's Desk	1
Vision and Mission	1
Activities by the Department	2
Toppers of the department	3
Students Accomplishments	4
Faculty Accomplishment	5
Papers Published in Journals	7

### Vision

*To impart technical education par excellence and prepare leaders to grow beyond leaps and bounds to serve the growing industries and society.*

### Mission

- To train the students to emerge as outstanding skilled technocrats imbued with professional ethics and managerial skills with commitment to the society and nation at large.*
- To create centre of excellence in the field of Electronics with industrial and university collaborations.*

### 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 Vol2, issue 1 of our department news letter "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 (Incharge)

### 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 milestone of department achievement. We congratulate and thank all the achievers for their distinguished contribution. Thank you



## Activities in the Department :

1. Student Development Program (SDP) on *“Atomic theory, Semiconductor material and its Application”* 7<sup>th</sup> September 2017. This SDP enhance to impart depth Knowledge in the 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”* held on 11<sup>th</sup> October, 2017. Resource Persons: **Mr. Lakshmi Narsimha I N** ,Product Manager, Schemazen



This talk will provide an opportunity for students

Understand Practical knowledge in Current practical hardware, Board/Product design flow in the Industry and Computer organization , this will build passionate career in the field of advance design the field of Electronics.

3. We have Signed Memorandum of Understanding (MOU) between Institute of Research& Development India, Odisha and Dept of ECE ,RRIT, Bengaluru.

This MOU creates bridge between Academic and R&D for the students has well as research scholar, which creates more explore to apply the theoretical knowledge to develop a product for the betterment of society.



☆ TOPPER OF THE DEPARTMENT :

Bhavyashree G

1RI13EC015

86.4%

☆ Top scorers of even semester 20172<sup>st</sup> 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%)

4<sup>rd</sup> 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)

6<sup>th</sup> Sem

Santhoshilakshmi

1RI14EC050

77.66%



Vinutha C

1RI14EC064

72.77%



Bindhu V

1RI14EC008

71.66%

8<sup>th</sup> Sem

Nethravathi V

1RI13EC032

85%



Sushma Behara

1RI13EC060

84%



Anjali Sathish

1RI13EC005

83.33%



## ☆ Student accomplishments :



1. **Vinay Kumar J G** from 7<sup>th</sup> sem represented **VTU Kabbadi (Men) team** in South Zone Inter-University Tournament 2017-18 held at Sathyabama University, Chennai on 19<sup>th</sup> to 22<sup>nd</sup> November 2017.
2. **RRIAS-KL (Inter-collegiate Kabbadi Tournament)** Organized by R R Institute of Advanced studies, received award as the- **Best Catches** of the tournament.
3. Participated in the Kabbadi team which won First price @ **Bengaluru Rural Dasara Meet 2017-18** held at kanterrava Indoor stadium organized by Govt of Karnataka.



4. **Hithesh Krishna K** from 7<sup>th</sup> Sem has Participated in Technical Debate @ Inter-collegiate-Technical Symposium “**ACSTRONIX -2K17**” Department of Electronics and Communication, ACS College of Engineering ,Bengaluru on 10<sup>th</sup> November 2017.

5. **Ashwarya K , Brunda N , Pavitra G N** (5<sup>th</sup> sem )-left to right Performed a dance to a Lord Ganesh song on 14<sup>th</sup> October 2017 @ Heritage Club.
6. **Shinsy Jacob , Supirtha R , Anija S Nair, Savitha ,Namratha N , Gagana N (7<sup>th</sup> Sem) ,Pooja R , Nithushree J (3<sup>rd</sup> sem)** -left to right performed a dance to traditional old kannada Song on 14<sup>th</sup> September 2017 @ Heritage Club.
7. Students and faculties gathered for the blessing of almighty and celebrated “**Ayudha Puja**” festival on 28<sup>th</sup> September





### ☆ Faculty accomplishments:

1. **Prof.Ravi M K** have undergo the **Course Completion** for the award of **PhD** in Department of Electronics , Himalayan University , Aurnachala Pradesh, India.
2. **Prof.Parimala Gandhi G** and **Prof.Premsagar H** have been Participated one day Work shop on Quality **“Improvement Programme on Research Methods”** Conducted by Internal Quality Assurance Cell (IQAC) on 14<sup>th</sup> October 2017.
3. **Prof.Niranjan L** and **Mr. Ravi M K** have attend one day Work shop on Quality **“Cloud Computing and IOT”** Co-Existences Conducted at ISM UNIV on 25<sup>th</sup> October 2017 , Bengaluru.
4. All the faculties of ECE have participated in **“Faculty Development Program on PO, PSO,CO Attainment”** held on 18<sup>th</sup> 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 19<sup>th</sup> August 2017, Bengaluru.
6. **Prof Parimala Gandhi G** was in organizing committee under ICC-Internal Complaint Committee to organize an Workshops on **“Gender Sensitization”** on 06<sup>th</sup> September 2017 and on **“Career Success and Personal Effectiveness”** held on 23<sup>rd</sup> September 2017.
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 (8<sup>th</sup> Sem)
  - ii. Prof. Suhas A R - Embedded System (7<sup>th</sup> sem)
  - iii. Prof. Niranjan L - Computer Communication Network (CCN, 7<sup>th</sup> sem)
  - iv. Prof. Sreekanth B , Optical Fiber Communication (OFC, 7<sup>th</sup> Sem )
  - v. prof. Vijayalaxmi P - Network Security (NS, 8<sup>th</sup> sem.)
  - vi. Prof. Anshu Deepak - Image Processing (IP, 7<sup>th</sup> sem)



Best Researcher Award 2016-17



Best Motivator Award 2016-17



Awards for Appreciation for securing 100 percent results in their respective subject for 2016-17





Publications Between 01/06/2017 -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. Niranjan 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