



# R R Institute of Technology

Chikkabanavara, Bengaluru-90



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## Vidyunmaana

JUNE 2018

### Index of this issue

|                              |    |
|------------------------------|----|
| From Principal's Desk        | 1  |
| Vision and Mission           | 1  |
| Activities by the Department | 2  |
| Toppers of the department    | 4  |
| Students Accomplishments     | 5  |
| Faculty Accomplishment       | 8  |
| Papers Published in Journals | 10 |
| QCL Index:                   | 10 |
| Memorandum Of Understanding  | 11 |

### 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



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".

and I am very pleased to unveil Vol 2 ,issue 2 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 . Manjunatha M B

Principal

*" Education is not the learning of facts, but the training of the mind to think "*

*Albert Einstein'*

*" The Highest Education is that which does not merely give us information but makes our life in harmony with all existence."*

*Rabindranath Tagore*

### Message form Editorial Desk



Prof. Prem sagar H



Prof. Mohan Kumar BN

We are very much delighted to present Department newsletter "Vidyunmaana" Vol 2, Issue-2. 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. Two day workshop on **“ARM Cortex M3 Controller and Embedded System”** 19<sup>th</sup> and 20<sup>th</sup> of February 2018. This Workshop enhance to impart depth on the ARM Cortex M3/M4 based controller by digging deep into its internals and programming aspects.

Resource Persons: **Prof. Niranjana L , Mr. Umashankar Shetty, Mr. Shiva**



2. One day workshop on **“ Simulation of Wired and Wireless Networks using NS2”** held on 23<sup>rd</sup> of March, 2018. This workshop helped to learn the implementation and simulation of wired and Wireless Point to Point Networks scenario with n number of nodes and to analyze the various network parameters and performance .

Resource Persons: **Mr. Siddu C Biradar, Mr. Premsagar H**





3. Final year Students in *Project Exhibition by “Meraki-2018 - Annual Project Exhibition organized by R R Institute of Technology* on 18<sup>th</sup> May 2018. “Meraki-2018” gives an opportunity for the Students to Exhibits their innovative ideas and technical Skills by creating the project using recent technology advancement which benefits for the society .

4. Graduation day and Farewell party for the final year students:



5. Thanks giving to faculties by the final year students.



☆ TOPPER OF THE DEPARTMENT :



Santhoshilakshmi G S

7<sup>th</sup> Sem

1RI14EC030

79.2 %

☆ Top scorers of odd semester 2017

3<sup>rd</sup> Sem



Supritha Bhimanna Koti

1RI16EC027

SGPA-7.50



Bhanuprakasha S

1RI16EC004

SGPA-7.07



Shreyas Nadig S

1RI16EC025

SGPA- 6.79

5<sup>th</sup> Sem



Sandya B M

1RI15EC040

SGPA-7.96



Chaitra B

1RI15EC011

SGPA-7.92



Shilpa Mandal S

1RI15EC042

SGPA-7.88

7<sup>th</sup> Sem



Manjunath G

1RI14EC030

78 %



Pavan Kumar K

1RI14EC039

75.5 %



Jyothi M

1RI14EC020

74.2 %

☆ Student accomplishments :



1. i. Participated State level Kabbadi tournament in Belur, Hassan and Chikkabanvara, Bengaluru organized by Karnataka amateur Kabbadi Association.
- ii. Represented Visvesvaraya Technological University (VTU),Belagavi kabbadi (Men) team in South Zone Inter-University Championship tournament held at Sathyabama University,Chennai for the year 2017-2018.

2. The students of ECE Department have participated and Sports activities held for the Annual day Kalatarranga 2018 .

❖ KalataRRanga Sports Meet -2018 :-

Gagana S M (8<sup>th</sup> Sem) won 2<sup>nd</sup> prize in 800mts

Pallavi M R(2<sup>nd</sup> Sem) won 2<sup>nd</sup> prize in 200mts



Gagana S M, Priyanka N Sindhogi, Pooja Mallana Gowda Patila, Pallavi R in the Throw ball (Girls) runner up team .

*"Enthusiasm is everything. It must be taut and vibrating like a guitar string."*

- pele

Foot ball player, Brazil

## ☆ Student accomplishments:



Meghana R, Rakshanda R H, Leela T R and Roopa M of 8<sup>th</sup> semester had participated and Exhibited with the project Titled "Agriculture Crop Monitoring Using IOT" in PROJECT EXHIBITION CUM COMPETITION 2018 held on 28<sup>th</sup> June 2018 organized by Visvesvaraya Technological University, Belagavi.

The same project have been awarded by the VTU under KCST.

### KalataRRanga 2018

1. Ashiwarya K, Brunda N, Pavithra G N, Shinsy Jacob, Supirtha R, Anija S Nair, Savitha, Namratha N, Gagana S M, Anuradha, Pooja R - performed and Won the prize for a Classical and Western dance in KalataRRanga -2018 held on 06 and 07<sup>th</sup> of April 2018.
2. Priya B C, Ashiwarya K, Pavithra G N, Likitha K, Anushree performed in the fashion show at KalataRRanga -2018.



☆ Student accomplishments :



Priya B C ,Likitha L, Ashiwarya K  
[PASSION PETALS ] Participated  
in fashion show FASHIONISTA  
held at Acharya Habba on 22 March,  
2018 organized by ACHARYA  
INSTITUTES.

*" Every day is a FASHION  
SHOW and the World is  
the Runway"*

*-COCO CHANEL*



☆ Faculty accomplishments:

1. Prof. Mohan Kumar B N have undergo the Course work Completion for the award of PhD in Department of Electronics , VTU , Karnataka, India.
2. Prof. Niranjana L, Prof. Sreekanth. B, Prof. Suhas A R Participated in the workshop “In Vehicle Network using CAN conducted by ISM UNIV on 3<sup>rd</sup> FEB 2018.
3. Prof. Prof. Sreekantha. B and Prof. Vijayalaxmi P attended the workshop on New Model Curriculum for first year BE/B.tech - CBCS detailed syllabus (2018-19) as per Outcome based education format including course outcome and Bloom’s Taxonomy at MSRIT on 14/05/2018.
4. All the faculties of the department have attended two day workshop on ARM CORTEX- M3 & Embedded Controller organized on 19<sup>th</sup> and 20<sup>th</sup> FEB 2018.
5. All the faculties of the department have attended One day workshop on Simulation of wired and wireless Networks using NS2 organized on 23<sup>rd</sup> March 2018.
6. The following faculty members got Appreciation for obtaining cent percent results in the year 2017-18
  - i. Prof. Chandra Kumar H S - Real Time Systems (RTS, 7<sup>th</sup> Sem)
  - ii. Prof. Suhas A R - Switching and Finite Automata Theory (5<sup>th</sup> sem)
  - iii. Prof. Niranjana L - Operating System (OS, 5<sup>th</sup> sem)
  - iv. Prof. Parimala Gandhi G , Digital Signal Processing (DSP, 5<sup>th</sup> Sem )
  - v. prof. Vijayalaxmi P - Management and Entrepreneurship (NS, 5<sup>th</sup> sem.)
  - vi. Prof. Anshu Deepak - Image Processing (IP, 7<sup>th</sup> sem)
  - vii. Prof .Ravi M K - Verilog HDL (VHDL,5<sup>th</sup> Sem)
  - viii. Prof. Premsagar H - Automotive Electronics(AE,5<sup>th</sup> Sem)



7. Prof Niranjana L have delivered a technical talks on “IOT using Raspberry pi” and ARM Cortex-M3 “In the Three day Work shop on IOT using Raspberry pi on 19<sup>th</sup>-21<sup>st</sup> and 26<sup>th</sup> -28<sup>th</sup> of March 2018. organized by Vivekananda Institute of Technology ,Bengaluru.

*“ Technology will not replace great teachers but technology in the hands of great teachers can be transformational “*





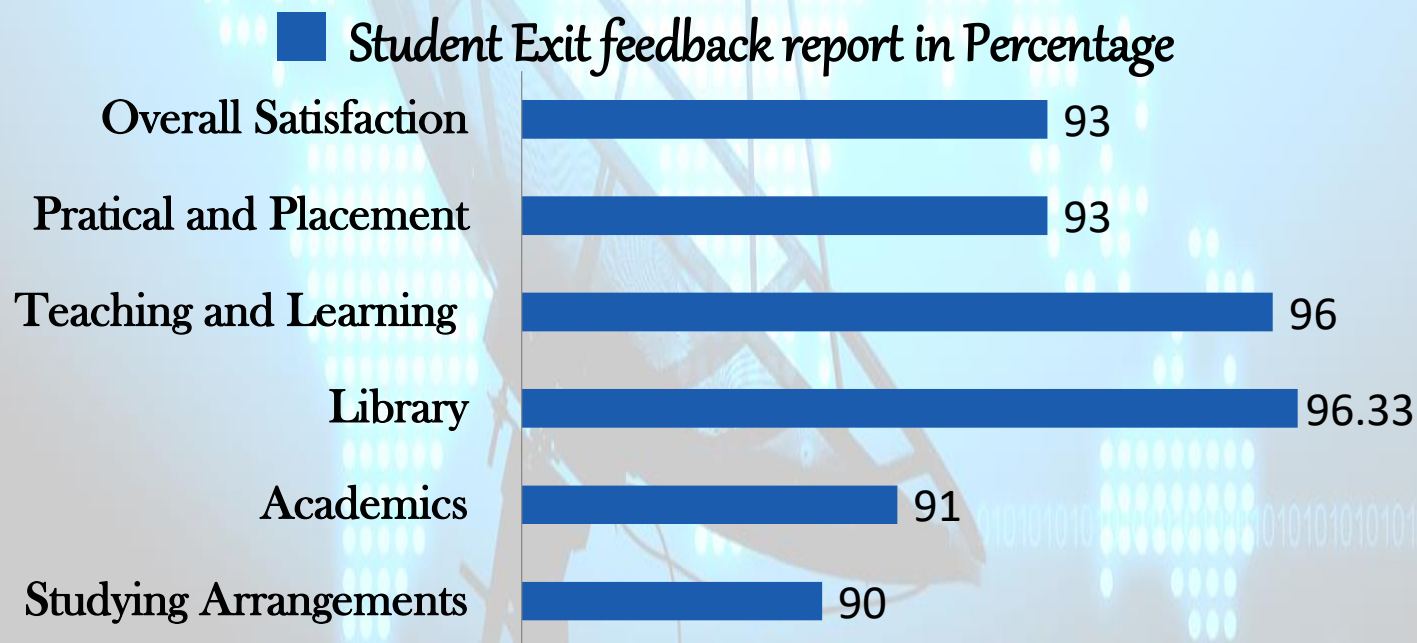
Publications Between 01/01/2018 -30/06/2018

1. Prof . Niranjan L., Prof. Ravi M K, Prof. Premsagar H “IOT Based Smart Farming System”, 2<sup>nd</sup> International Conference on Recent Innovations in Engineering and Technology(ICRIEAT-2017) on 21<sup>st</sup> and 22<sup>nd</sup> of December 2017.
2. Prof . Ravi M K ,Prof Niranjan L, Prof. Premsagar H, “An Efficient way to Monitor and Record Noise Pollution in different Zone using ARM Controller”, 2<sup>nd</sup> International Conference on Recent Innovations in Engineering and Technology(ICRIEAT-2017) on 21<sup>st</sup> and 22<sup>nd</sup> of December 2017.
3. Prof . Niranjan L., Prof. Ravi M K, Prof. Premsagar H “IOT Based Smart Farming System Using Proteus Design Tool”, Indian Journal of Scientific Research” Vol 2 , 2018, ISSN 2250-0138.
4. Prof . Niranjan L., Prof. Ravi M K, Prof. Premsagar H “An Efficient way to Monitor and Record Noise Pollution in different Zone using ARM Controller and Proteus Design Tool”, Indian Journal of Scientific Research” Vol 2 , 2018, ISSN 2250-0138.
5. Prof . Niranjan L., Prof. Suhas A R, Prof. Sreekanth B “Design and Implementation of Robotic ARM using Proteus design tool and Arduino- UNO”, Indian Journal of Scientific Research” Vol 2 , 2018, ISSN 2250-0138.
6. Prof . Niranjan L., Prof. Suhas A R, Prof. Chandrakumar H S“Design and Implementation of Self Balanced ROBOT using Proteus design tool and Arduino- Uno”, Indian Journal of Scientific Research” Vol 2 , 2018, ISSN 2250-0138.

❖ Quality of College Life (QCL) Index:-

This graph shows the college life satisfaction index of our valued outgoing students (2017-18) based on their Exit feedback report on various academic activities of the department.

The graph stands at the overall satisfaction of 93%



### Memorandum Of Understanding (MOU) :

The Department have Signed Memorandum of Understanding (MOU) between

- i. Institute of Research & Development India, Odisha and Dept of ECE ,RRIT, Bengaluru.
- ii. We have Signed Memorandum of Understanding (MOU) between Indian Service Machine(ISM),Bangalore and Dept of ECE ,RRIT, Bangalore.
- iii. We have Signed Memorandum of Understanding (MOU) between LIVEWIRE, Basaveshwaranagar, Bangalore and Dept of ECE ,RRIT, Bangalore.

This MOU creates bridge between Academic and R&D and Industrial needs for the students and research scholar, This MOU's Creates a Platform to apply the theoretical knowledge and learn to understand the practical aspects required for the Industries needs and to create an Opportunity for the carrier growth.



Graduation Day (Students and Faculties)

2017-2018