PKM Educational Trust ®

R R Institute of Technology

Chikkabanavara, Bengaluru-90

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Vidyunmaana

Chief-Editor:
Mrs. Parimala Gandhi G.
Associate Professor and HOD
Dept. of ECE

Associate Editor:
Bharath Y.K.
Assistant Professor
Dept. of ECE

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 imbibed 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*".

Dr. M.S. Bhagyashekar
Principal, RRIT

From HOD's Desk

"If career is like a building,
education is its foundation.
For a bright and successful career,
education must be strong and enduring"

I am very much pleased to present the second issue 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.

Mrs. Parimala Gandhi G.
Associate Professor and HOD, Dept. of ECE

Activities in the Department

❀ **Faculty development program on "Intel Microprocessor 8086" on 13th February, 2017**

   Resource Persons: Mr. Sreekanth B., Mrs. Vijaya laxmi P. and Mr. Prem Sagar H.

❀ **Workshop on "Trends and Techniques in Artificial Neural Networks" (T²ANN) on 15th March, 2017**

   Resource Persons: Mrs. Parimala Gandhi G. and Mr. Bharath Y.K.

❀ **Technical seminar on "Design and Implementation of Embedded Systems and IOT" on 6th April, 2017**

   Resource Persons: Dr. Loganathan V. (CEO, IEM) and Mr. Niranjan L

❀ **Expert talk on "Industrial Trends in MEMS and CMOS" on 13th May, 2017**

Resource Persons: Dr. Selvarajan (Senior Scientist, DRDO) and Dr. Shipra

❀ ...by 8th

❀ **"International Conference on Current Research on Embedded, Information and Computer Technologies" (ICEICT-2017) on 2nd & 3rd June, 2017 in association with IFERP.**

Convener: Dr. Manoj Priyatham M.   Conference Chair: Dr. M.S. Bhagyashekar.

Welcome Speech: Mrs. Rajeshu Gandhi   Speakers: Dr...ECE
                                    B. (Sec...   A),

                                    ...shram (...   ...ersity)

Department Achievements

☆ **Departmental topper**

Bhavyashree G
1RI13EC015
78%

☆ **Top scorers of even semester 2017**

1st Sem

Devika B	Bhanuprakash S	Supritha Koti
1RI16EC009	1RI16EC004	1RI16EC027
SGPA–8.17 (74.2%)	SGPA–7.92 (71.7%)	SGPA–7 (62.5%)

3rd Sem

Ashwani L	Aishwarya B	Sandhya B M
1RI15EC006	1RI15EC007	1RI15EC40
SGPA–7.43 (66.8%)	SGPA–6.93 (61.8%)	SGPA-6.71 (59.6%)

5th Sem

Bindhu V	Santoshi Lakshmi	Jyothi M P
1RI14EC008	1RI14EC050	1RI14EC020
76%	73%	70.4%

7th Sem

Megha M D	Nethravathi V	Saritha C
1RI13EC032	1RI13EC036	1RI13EC036
76.6%	73.5%	73.5%

☆ **Student accomplishments**

✮ Ms. Savitha and Ms. Supritha of 6th Semester won 2nd place in fireless cooking at Kalataranga 2k17.

✮ Ms. Pavithra, Ms. Gagana and Ms. Aishwarya of 4th semester won 1st place in kannada antyakshari at Kalataranga 2k17.

✮ Ms. Pavithra, Ms. Megha BR and Ms. Divya of 8th semester won 2nd place in kannada antyakshari at Kalataranga 2k17.

✮ Mr. Abhisheka, Mr. Anil Kumar and Mr. Dhanush M and Vishnu S got best project award in Meraki 2017 for project titled "Intelligent Food Distribution System".

✮ Ms. Pavitra and Ms. Aishwarya of 4th Semester have actively participated in college cultural activities and been upholding cultural values.

✮ The Department congratulates Ms. Priya of 4th Semester for being a finalist in South India Queen 2Q17 Contest.

✮ The departmental topper (2015-16) Megha D. was felicitated on the graduation day ceremony by our Honorable Chairman, PKMET, Nadaprabhu Kempegowda awardee Sri Y. Raja Reddy on 31/05/17.

☆ Campus Placements

★ Ms. Anitha N and Mr. Dhanush S have been selected in campus placements to Silver Peak Global with a package of 4.2 LPA.

★ Mr. Dhanush S of has been offered a job at Grid India R&D cell with 1.8 to 2.4 LPA package.

★ Ms. Sadhika, Ms. Anitha N, Ms. Anjali Sathish, Mr. Annappa D.K., Ms. Bhavana Pawar and Ms. Chaitra R are selected for training and placement by J Spider.

★ Ms. Sadika was selected by TCL Tech and is offered 4 LPA.

★ Mr. Annappa D.K was selected by Triangle Tele India with 1.56 LPA.

★ Ms. A Swathi and Mr. Dhanush S have been selected for training and placement by Cranes Software.

★ Ms. Sushma S has been selected for Grid India as an intern.

☆ Faculty accomplishments

★ Dr. Shipra Upadhyay got best project award in Meraki 2017 for project titled "Intelligent Food Distribution System".

★ Mr. Niranjan L and Mr. Suhas A.R. got registered for Ph.D. under VTU through department research centre.

The department also congratulates the faculty members for obtaining cent percent results

★ Mr. Niranjan L – Communication Computer Networks (7th sem)

★ Mr. Sreekanth B – Optic Fiber Communication (7th sem)

★ Mr. Suhas A.R. – Embedded System Design (7th sem)

★ Mrs. Anshu Deepak – Image Processing (7th sem)

★ Mr. Bharath Y.K. – Real Time Systems (7th sem)
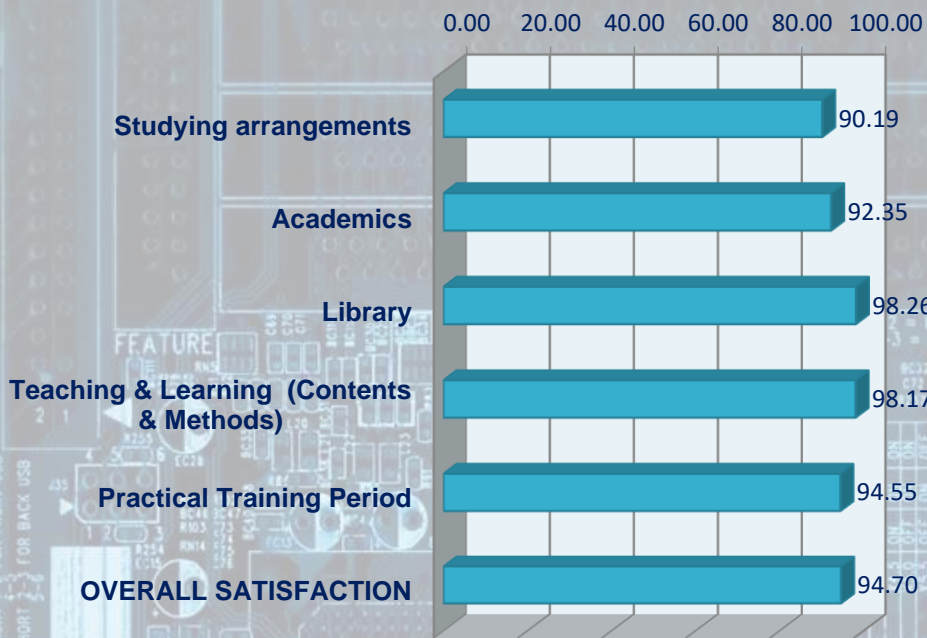
Papers Published in 2017

1. Dr. Manoj Priyatham M., "IOT Based Noise Pollution Monitoring", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

2. Dr. Manoj Priyatham M., "Home Automation using Bluetooth and IOT modules, International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

3. Dr. Manoj Priyatham M., "Automatic Door Locking System", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

4. Dr. Manoj Priyatham M., "A Novel Approach to Street Light Automation", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

5. Dr. Manoj Priyatham M., "Microcontroller Based Car Parking Automation", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

6. Dr. Manoj Priyatham M., "On-road Night Time Smart Vehicle Light Detection", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

7. Dr. Manoj Priyatham M, "A Novel Approach to Control Speed of Automobile", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

8. Dr. Manoj Priyatham M, "GSM Controlled Robot", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

Contd...

9. Dr. Manoj Priyatham M, "LPG Gas Sensor", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

10. Mr. Niranjan L, "WSN based advanced Irrigation Vehicle Operated Using Smartphone (AGRI-BOT)", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

11. Mr. Niranjan L, "Design and Implementation of Security based Automatic Teller Machine Against Intruders", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

12. Mr. Niranjan L, "A Novel Approach to Wireless Power Transmission in Non-Radiative Field", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

13. Mr. Niranjan L, "Home Automation using SCADA and IOT", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

14. Mr. Mohan Kumar B.N., "Automatic Resistance Spot Welding Using ARM Controller", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

15. Mr. Mohan Kumar B.N., Mr. Chandra Kumar H.S., Mrs. Vijayalaxmi P, "Reduced Instruction Set Computer Processor for Cryptographic application", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

16. Mr. Ravi M.K., "LPG Detection, Measurement and Booking System", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

17. Mrs. Savitha R., "Vehicle Security System using Biometric Finger Print using GSM and SMS Alerts", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

18. Mr. Sreekanth B., "Robotic Four Wheeler for Health Monitoring", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

19. Dr. Shipra Upadhyay, "Intelligent Food Distribution System", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

20. Mr. Chandra Kumar H.S., "Establishing High Transmission Bandwidth from Service providers through SDH", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

21. Mr. Suhas A.R., "Cycle Time Reduction of Transmitting Output Power Measurement of URRF Radio", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

22. Mrs. Anshu Deepak, "Failure Monitoring Analysis of Flight Control System of an Aircraft", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

23. Mr. Prem Sagar H., "Real Time Smart ATM System Using RedTaction-Han Technology", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

24. Mrs. Parimala Gandhi G., "Non Linear Dynamic System Identification Using MRAN algorithm", Dr. Manoj Priyatham M, "Microcontroller Based Car Parking Automation", International Conference on Current Research and Embedded, Information and Computer Technologies, 3rd June 2017.

25. Mrs. Parimala Gandhi G., "Robust Flare Phase Auto Landing of Aircrafts, Based on Modified ASBO", *Advances in Intelligent Computing, Springer, vol. 516*, pp 245-258, April 2017.

26. Bharath Y.K., "Development of Robust Voice Operated Switch in Aircraft Application", IEEE-iCATccT, Available at IEEE Xplore from 27th April 2017.

Miscellaneous

☆ **Student Euphoria (2013-17)**

Category	Value
Studying arrangements	90.19
Academics	92.35
Library	98.26
Teaching & Learning (Contents & Methods)	98.17
Practical Training Period	94.55
OVERALL SATISFACTION	94.70

(Bar chart: axis 0.00, 20.00, 40.00, 60.00, 80.00, 100.00)

☆ **Project Exhibition - Meraki 2k17**

☆ **Graduating students of 2013-17 batch with the Department faculties and Principal**