PKM Educational Trust

R. R. Institute of Technology

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Accredited by NAAC with **'B+'**

Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

PRO-GEEKS

VOLUME 3   ISSUE 2   2018-19

FROM THE PRINCIPAL DESK

News letter is amalgamation of all events held in the department and it plays an instrumental role in providi g a greater explore of achievements by students and faculties. I Congratulate the CSE department for their efforts in bringing out another volu e of Newsletter. I wish all the very best in their future endeavors.

Dr. Manjunatha M B
Principal, RRIT

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering was established in the year 2008 from the inception of the college. The Department offers 4 years UG program in Computer Science & Engineering with an intake of 60. The course offers a de p insight into the discipline and empowers promising engineers with required skills for a successful career in Software & Other fields. The department attracts quality students from all over India & Abroad. The department has excellent infrastructure with well-equipped modern laboratories & also organizes various Seminars, Workshops, Industrial visits, FDP's, Extension activities regularly to help the faculty and students to update their knowledge about the latest developments. The department has highly qualified, experienced, dedicated faculties with research background.

VISION
To emerge as an excellent technical center of CSE in National level within 2020.

MISSION

- To provide a conceptual   foundation that caters the career required to adapt for changing technology.
- To bridge the gap between academic and the latest tools, technologies in the area of hardware and software.
- To create co-curricular opportunities for student's participation in advancements and recent trends.
- To explore the potential and train the students to attain novelty.

FROM HOD'S DESK

It is incredible joy to head the department of Computer Science & Engineering at RR Institute of Technology. Research collaboration is essential for engineering as solutions so often involve the successful integration of technical, industrial, administrative and social systems. Academic freedom is a key strength of the RRIT culture, but my priority as Head of Department is to celebrate this strength and exhibit that it is as valuable as ever in meeting the complex challenges posed by a fast-paced, uncertain world. Computer Science & Engineering students are in high demand as far IT industry recruiters are concerned. We are very grateful to our management, principal & staff for supporting and encouraging towards the success of the department.

FROM EDITOR'S DESK

"**The Secret to getting ahead is getting Started**" Welcome to a Volume 3 and Issue 2 of the department news letter. Being the editors of this news letter it gives a great opportunity to present this issue. PRO-GEEKS is designed to present to its readers the semester's events that have gone by, Newsletter also showcases the talents of our faculty members and students. With the sense of pride and satisfaction we would like to thank for the active support of the management, principal, faculty and students. We truly hope that the pages that follow will make some interesting reading. We wish all the best and Happy reading….

EVENTS OF EVEN SEMESTER

Seminar on Introduction to Data Science held on 16th February 2019

A Seminar program entitled "**Introduction to Data Science**" Seminar was organized by department of CSE on 16/02/2019 at 9.30 am. The Prof. Manjunath.R ,Head of the Computer science Department, introduced and welcomed the Resource Person Mr.Prithvi Raj GE-Digital,Bengaluru.The program was held atSeminar hall,RRIT. "Data Science helps humans make better decisions; either quicker decisions or better decisions. Companies invest a lot of money in data science so they could get the right information to make the right decisions."

A awareness program on entitled "**Effective Career Planning after UG Program**" was organized by department of CSE on 20/02/2019 at 9.30 am. The Prof. Manjunath.R , Head of the Computer science Department, introduced and welcomed the Resource Person Mr.Prakash Educator, Vani Institute ,Bengaluru. The program was held at Seminar hall, RRIT. College is a time of exploration and maturation for many students, and one of their first tasks is determining their educational and career goals. Career courses and other career interventions play a vital role in preparing students for transitions they will likely encounter throughout their lifetime.

Seminar on "Hadoop Eco System" held on 2nd March 2019

A Seminar program entitled"**Hadoop Eco System**" Seminar was organized by department of CSE on 02/03/2019 at 9.30 am. The Prof. Manjunath.R , Head of the Computer science Department, introduced and welcomed the Resource Person **Mr. Ramu K,** Module Lead, Mind Tree & Vice President, RRIT Alumni Association Bangalore and **Mr. VASANTH** Application Developer, Accenture & Vice President, RRIT Alumni Association, Bangalore. The program was held at Seminar

Seminar on An Introduction to JavaScript and Python held on 3rd April 2019

A Seminar program entitled "**An Introduction to JavaScript and Python**" Seminar was organized by department of CSE on 03/04/2019 at 9.30 am. The Prof. Manjunath.R, Head of the Computer science Department, Introduced and welcomed the Resource Person **Mr. Theodore manning Louis, ESSELSOFT**,and Bangalore.The program was held at Seminar hall,RRIT.

Technical Talk on Computer Network & Network Security held on 4th April 2019

The Technical talk was organized by the Department of Computer Science & Engineering on the topic **"Computer Network & Network Security"** for the students of 6th & 8th semester CSE on 04/04/2019 at 10.00 AM. The Speaker was Mrs Sunitha Jetking Network security refers to activities designed to protect a network. These activities ensure usability, reliability, and safety of a business network infrastructure and data. Effectual network security focuses on a variety of threats and hinders them from penetrating or spreading into the network.

Technical Talk on Embedded systems on 5th April 2019

The Technical talk was organized by the Department of Computer Science & Engineering on the topic **"embedded systems"** for the students of 4th semester CSE on 05/04/2019 at 10.00 AM. The Speaker was Mr. Sanjay Kumar, Founder, Jyothi Embedded labs. An embedded system is one kind of a computer system mainly designed to perform several tasks like to access, process, store and also control the data in various electronics-based systems.

Guest Lecture on Sorting Techniques on 9th April 2019

The Guest Lecture was organized by the Department of Computer Science & Engineering on the topic **"Sorting Techniques"** for the students of IV semester CSE/ISE on 09/04/2019 at 10.00 AM. The Speaker was Dr. Kavitha H, Associate Professor, Department of Information Science & Engineering, SIT, Tumkuru.

Workshop on Arm7 Processor and Its Applications held on 24th April 2019

The Department of Computer Science & Engineering and Information Science jointly conducted a workshop on ARM7 processor and its applications in Association with SST Technologies for 4th semester students of CSE and ISE on 24/4/2019 in the CPP Lab. The workshop was conducted by Dr. Sreenivasa settee,SST Technologies and started at 9:30 a.m.

Workshop on Python Application Development using Django & SQLite on 25th April 2019

A Workshop program entitled "Python Application Development using Django & SQLite" was organized by the Department of Computer Science and Engineering on 25/04/2019 at 9.30 am. The Prof. Manjunath.R ,Head of the Computer Science and Engineering Department, introduced and welcomed the Resource Person Mr.Ashok Kumar K, Technical Head, XON Lab, Bangalore. The program was held on Seminar hall, RRIT.

STAFF NEWS

- Prof. ManjunathR awarded **PhD.** Degree from AMC Research Center.
- Prof. Sumanth V awarded for securing **100% results** in Web Technology & Its Applications (15CS71) during VTU exam.
- Prof. Jyothi.R awarded for securing **100% results** in Object Oriented Modelling & Design (15CS551) during VTU exam.
- Prof. Shruthi.S awarded for securing **100% results** in Information Network And Security (15CS743) during VTU exam.
- Prof. Nethra MVO and Team is Awarded forbest paper "Smart Garbage Monitoring System using IOT" in International Conference on Recent Innovations in Science, Engineering & Management (RISEM-2019)
- Prof. Jyothi R Won 1st place in Proactive Women competition held during the celebration of "World Health & Women's Day 2K19"
- Prof .Prema C is appreciated for 5-Long years of services in at R R Institute of technology.
- Prof.Dhanajaya M K, Prof. Jyothi.R & Prof. Shruthi.S won 2^{nd}Prize in POT PURRI during Kalataranga 2K19.
- Prof. Dhananjaya M K & Team awarded Ist place in project Exbhition MERAKI-2019for the Project "Agronomy Monitory Robot Using Iot Technology"
- All the CSE Faculties Participated in one day workshop on "Bigdata & Hadoop"on 3rd October 2018 at RRIT.
- All the CSE Faculties Participated one day FDP on "Strategy Development Plan" organized by IQAC, RRIT on 13th March 2019.
- Prof. Dhanajaya M K, Prof Sumanth V & Dr. Manjunath R Participation in two day FDP on Material Science and Technology during 22nd and 23rd April 2019 at RRIT.
- Prof. Dhanajaya M K, Prof Sumanth V & Dr. Manjunath R Participation in one day FDP on Probability Theory and its Application in Engineering on 24th April 2019 at RRIT.
- All the CSE Faculties Participated in one day workshop on "Machine Leaning Techniques" organized on 30th November 2018 at RRIT.
- All the CSE Faculties Participated one day FDP on "CO-PO Mapping for Effective Implementation of Outcome bases Education" held on 18th January 2019 at RRIT.
- Dr. Manjunath R, Prof. Jyothi R, Prof Nethra M V O presented their Papers at 5th National Conference on Emerging Trend in Engineering Technology & Applied Research at M S Engineering College.
- All faculties presented their Papers in International Conference on Recent Innovations in Science, Engineering & Management (RISEM-2019) held on 10th & 11th May 2019 at RRIT.

STUDENT'S ACHIEVEMENT

- Mr. Yuvraj Singh of 4th semester awarded **Gold Medal** for the College topper of the Academic Year 2017-18

- Mr. Yuvraj Singh of 4th semester awarded **Silver Medal** for the Department topper of the Academic Year 2017-18

- Award of "Semester Topper of 2017-18" goes to Yuvraj Singh Rajawt (1RI17CS055) for 1st semester, Mohan Krishna G(1RI17CS026) for 2nd semester, Nishanth R Dalayat (1RI16CS029) for 3rd semester, Bindushree P M (1RI16CS011) for 4th semester, Prakash Rayamanjhi (1RI15CS064) for 5th semester, Prakash Rayamanjhi (1RI15CS064) for 6th semester, Kiran Kumar (1RI14CS016) for 7th semester, Mamatha C G (1RI14CS019) for 8th semester .

- Ms. RaisaKauserof 8th semester awarded as Best Outgoing Student of the Academic Year 2018-19 of RRIT during International Women's Day.

- Mr. Srinivas G & Team of 6th Semester has Secured First place in Cricket during Kalataranga 2K19

- Mr. George James of 6th semester Participated in National Level Workshop on Virtual Reality at RRIMS.

- Mr.Amrit Sharma & Mr. PradipGhartiMagar of 6th Semester have secured second place in Football during Kalataranga 2K19.

- Ms. Arpitha M R, 6th Semester Presented a paper on "Survey on Network Security, Attack and Messure to Overcome the Attack" at International conference held on March 30th 2019 at Seshadripuram Academy of Business Study.

Learning leads to creativity ,creativity leads to thinking,thinking provides knowledge,knowledge makes you great

-Abdul Kalam

Art by 6ᵗʰ Semester Student Kusuma

Art by 6ᵗʰ Semester Student George Games

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By-RajeshwariC(1RI16CS035)

6ᵗʰsemester,CSE

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By-RajeshwariC(1RI16CS035)

6ᵗʰsemester,CSE

PUBLICATIONS

1. Prof. Manjunath R, "Cloud Based Soil Moisture Measuring System Using IOT in Indian Agriculture", International Journal of Scientific Research and Review, ISSN No.: 2279-543X, UGC Journal No.: 64650, Volume 07, Issue 05, pp. 587-593, May 2019.

2. Prof. Manjunath R, "Development of Predictive Model to Improve Accuracy of Medical Data Processing using Machine Learning Techniques", International Journal of Scientific Research and Review, ISSN No.: 2279-543X, UGC Journal No.: 64650, Volume 07, Issue 05, pp. 564-569, May 2019.

3. Prof. Manjunath R, "An Effective Big Data Framework based on Farmer's Agricultural Context", International Journal of Scientific Research and Review, ISSN No.: 2279-543X, UGC Journal No.: 64650, Volume 07, Issue 05, pp. 570-578, May 2019.

4. Prof. Manjunath R, "Analysis of Simplified Data on Large Clusters using Map Reduce Technique", Procedings of the 5th National Conference on Emerging Trends in Engineering Technology and Applied Research-NCETAR, May 2019.

5. Prof. Manjunath R, "Big Data Analysis in Hadoop Technology", Procedings of the 5th National Conference on Emerging Trends in Engineering Technology and Applied Research-NCETAR, May 2019.

6. Prof. Manjunath R, "Green House Monitoring System Using IOT and Cloud Computing", Procedings of the 5th National Conference on Emerging Trends in Engineering Technology and Applied Research-NCETAR, May 2019.

7. Prof. Manjunath R, "Environmental Monitoring Using Sensor Networks in IoT", Procedings of the 5th National Conference on Emerging Trends in Engineering Technology and Applied Research-NCETAR, May 2019.

8. Prof. Manjunath R, "Urban Planning and Development of Smart Cities using IoT and Big data", Procedings of the 5th National Conference on Emerging Trends in Engineering Technology and Applied Research-NCETAR, May 2019.

9. Prof. Sarvanan S, "A Modern Real Time Water Quality Monitoring System Using IOT" International Journal of Scientific Research and Review, ISSN No.: 2279-543X, UGC Journal No.: 64650, Volume 07, Issue 05, pp. 399-404, May 2019.

10. Prof. Sarvanan S, "Generic Application for Sensors Application Using IOT" International Journal of Scientific Research and Review, ISSN No.: 2279-543X, UGC Journal No.: 64650, Volume 07, Issue 05, pp. 540-545, May 2019.

11. Prof. Dhananjaya M K, "Agronomy Monitory Robot Using Iot Technology" International Journal of Scientific Research and Review, ISSN No.: 2279-543X, UGC Journal No.: 64650, Volume 07, Issue 05, pp. 546-548, May 2019.

12. Prof. Dhananjaya M K, "Autonomous Vehicle With Traffic Density Avoidnce And Live Video Streaming Using Artificial Intelligence With Embedded C" International Journal of Scientific Research and Review, ISSN No.: 2279-543X, UGC Journal No.: 64650, Volume 07, Issue 05, pp. 854-857, May 2019.

13. Prof. Jyothi R, "Spiderr-College Networking Application" International Journal of Scientific Research and Review, ISSN No.: 2279-543X, UGC Journal No.: 64650, Volume 07, Issue 05, pp. 845-853, May 2019.

14. Prof. Shruthi S, "Comparative Performance Of Machine Learning And Deep Learning Algorithms On Imbalanced Handwritten Data " International Journal of Scientific Research and Review, ISSN No.: 2279-543X, UGC Journal No.: 64650, Volume 07, Issue 05, pp. 817-828, May 2019

15. Prof. Sumanth V, "Online Variational Inference For The Hierarchical Topic Detection Framework" International Journal of Scientific Research and Review, ISSN No.: 2279-543X, UGC Journal No.: 64650, Volume 07, Issue 05, pp. 365-373, May 2019

16. Prof. Sumanth V, "Efficient Secure Data Sharing In Mobile Cloud Environment Using Light Weight Encryption" International Journal of Scientific Research and Review, ISSN No.: 2279-543X, UGC Journal No.: 64650, Volume 07, Issue 05, pp. 316-322, May 2019

17. Prof. Sumanth V, "A possiblistic clustering based biased Bayesian relevance feedback model for web usage recommendation International Journal of Engineering & Technology, 7 (4) (2018) 4024-4029 doi: 10.14419/ijet. v7i4.16224.

18. Prof. Sumanth V, "A Proficient Web Recommender System using Hybrid Possiblistic Fuzzy Clustering and Bayesian Model Approach" International Journal of Intelligent Engineering and Systems, Vol.11, No.6, 2018 DOI: 10.22266/ijies2018.1231.19

19. Prof. Prema C, "Blind Navigation System Using Hurdle Recognition" International Journal of Scientific Research and Review, ISSN No.: 2279-543X, UGC Journal No.: 64650, Volume 07, Issue 05, pp. 930-932, May 2019

20. Prof. Shruthi S, "Predicting Multiple Diseases Using Machine Learning Techniques" International Journal of Scientific Research and Review, ISSN No.: 2279-543X, UGC Journal No.: 64650, Volume 07, Issue 05, pp. 416-422, May 2019.

21. Prof. Nethra M V O, "Smart Garbage Monitoring System Using IOT" International Journal of Scientific Research and Review, ISSN No.: 2279-543X, UGC Journal No.: 64650, Volume 07, Issue 05, pp. 829-838, May 2019.

22. Prof. Nethra M V O, "Cloud-Based Android Application with NFC For Remote Access" International Journal of Scientific Research and Review, ISSN No.: 2279-543X, UGC Journal No.: 64650, Volume 07, Issue 05, pp. 842-844, May 2019

TOPPERS LIST

Semester	1st Place	2nd Place	3rd Place	Department Topper
VII	*Harikireeti B K* *1RI15CS020* *74.3%*	*Irfan pasha F* *1RI15CS023* *72.5%*	*Pratibha Alakanur* *1RI16CS405* *70.5%*	*Yuvraj Singh R* *1RI17CS055* *81.4%*
V	*Nishath R Dalayat* *1RI16CS029* *73.9%*	*Pooja R R* *1RI16CS030* *72.9%*	*Kumari Priya* *1RI16CS023* *68.5%*	THE EXCELLENCE AWARD *for an individual's service to group travel organisers*
III	*Pallavi K* *1RI17CS029* *74.64%*	*Vinod G* *1RI17CS050* *73.9%*	*Gaganashree R* *1RI17CS032* *71.8%*	
I	*KeerthanaS* *1RI18CS027* *81%*	*Pooja N* *1RI18CS040* *70%*	*BishnuKohar* *1RI18CS019* *69.5%*	

GALLERY

Orientation Program for 4^{th,} 6th & 8th Semester Students on 04/02/2019

Yuvraj Singh R awarded Gold medal for College Topper by our Director Mr. Arun H R

Visit to IIsc for " Open Day" on 23/03/2019

Parents Teacher Meeting on 27/04/2019

Prof. Dhananjaya M K & Team awarded Ist place in project Exbhition MERAKI-2K19

Nishath R Dalayat awarded for Semester Topper of 2017-18

Prof.Dhanajaya M K, Prof. Jyothi.R & Prof. Shruthi.S won 2ndPrize in POT PURRI during Kalataranga 2K19.

Students Participation in Workshop on "Innovation Manufacturing Startups"Karnataka Small Scale Industries Association, Bengaluru

Prof. Jyothi.R awarded as Proactive Women

GRADUATES OF 2019 BATCH