

Moogambigai Charitable and Educational Trust

RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated to the Visvesvaraya Technological University, Belgaum Recognized by the AICTE, New Delhi) #14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560074.

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



VO'ISE - NEWS LETTER

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Institutional Mission

"To Consistently strive for academic excellence to become a leading Institution in the field of Engineering, Management and Research To produce competent and ethically sound manpower for the benefit of industry, society, nation and the global environment."

Institutional Vision

“To emerge as one of the top ten technical and management institution in the state of Karnataka”

Mission of ISE Department

“To Develop A Center Of Excellence To Offer Broad Need Based Curricula, Innovative Teaching And Research In The Field Of Information Science And Engineering And To Produce Competitive, Self Disciplined Information Technology Professionals”

Vision of ISE Department

“To Emerge As A Leading Department In The Field Of Information Science And Engineering, In The State Of Karnataka By Providing Quality Of Education”

DEPARTMENTAL ACTIVITIES (2017 – 2018)

1. Dept. Association - VO'ISE' organized an Expert Lecture on "*Cyber Security and digital Forensics*" on 7th February 2018. Prof. Gurdeep Singh Hura, Professor and Chair, University of Maryland Eastern Shore, Maryland, United States Of America (U.S.A), was the Resource person.
2. Dept. Association - VO'ISE' organized an Expert Lecture on "*Big Data Analytics and Its Business Applications*" on 7th February 2018. Prof. Gurdeep Singh Hura, Professor and Chair, University of Maryland Eastern Shore, Maryland, United States Of America (U.S.A), was the Resource person.
3. Dept. Association - VO'ISE' organized an Expert Talk on "*Advances in Networking & Cryptographic Technique*" on 15th February 2018. Mr. Prasanna, Technical lead, Live Wire Team, Bengaluru. & Mr.Kiran, IT Engineer, Live Wire Team, Bengaluru, was the Resource person.
4. Dept. Association - VO'ISE' organized an Expert Lecture on "*Sampling theory*" 24th February 2018. Dr. Pandurangappa.C, Prof and HoD, Dept of Maths, University BDT College of Engineering, Vishvesvaraya Technological University, Davangere, was the Resource person.
5. Third Year ISE students visited "*ISRO Satellite Centre*", Bangalore on 6th March 2018.



6. Dept. Association - VO'ISE' organized a ***“Placement Orientation and Preparation-Fundamental of Programming”*** on **10th March 2018**. **Dr.N.Guruprasad Professor & Member – Board of Studies, Dept. of ISE & CSE, New Horizon College of Engineering, Bengaluru - 560103**, was the Resource person.
7. Dept. Association - VO'ISE' organized a Two Days Workshop on ***“Introduction to Robotics using Adriano Microcontroller”*** on **5th April and 7th April 2018**. **Mr. Sreenivasa Setty, Chief Technology Officer, SST Technologies, Bengaluru**, was the Resource person.
8. Dept. Association - VO'ISE' organized a Seminar on ***“Sensitization program on Higher education room Top 100 Universities Abroad”*** on **24th April 2018**. **Mr. Ravi Students Success Councilor, Edwise Leading Overseas Education Consultants, Manipal Center, Bengaluru 560042, Mr. Veerabhadrappa Marketing Executive, Edwise Leading Overseas Education Consultants, Manipal Center, Bengaluru 560042**, was the Resource person.
9. Dept. Association - VO'ISE' organized an Expert Lecture on ***“Embedded System Design using ARM Processor”*** on **2nd May 2018**. **Mr. Sreenivasa Seety, Associate Professor, Don Bosco Institute of Technology, Bangalore**, was the Resource person.
10. Dept. Association - VO'ISE' organized a Workshop on ***“Crypt Tools- cryptographic algorithms and Security Tools”*** on **7th May 2018**. **Prof.M.Gomathy Nayagam, M.E. (PhD) Associate Professor, CSE MZCET, Trichy**, was the Resource person.
11. Dept. Association - VO'ISE' organized an Expert Lecture on ***“Wired LANs and Wireless LAN technologies”*** on **8th May 2018**. **Prof.M.Gomathy Nayagam, M.E. (PhD) Associate Professor, CSE MZCET, Trichy**, was the Resource person.
12. Dept. Association - VO'ISE' organized a ***“Project Exhibition”*** for final year students on **9th May 2018**, was the Resource person.



PUBLICATIONS by FACULTY & STUDENTS

International Journals and Conference Publications:

- **Mr. K S Ananda Kumar, R Balakrishna**, *“Evaluation of Energy Consumption Using Receiver–Centric MAC Protocol in Wireless Sensor Networks”*, International Journal of Electrical and Computer Engineering, Vol 8, No 1, IJECE, ISSN: 2088-8708. (SCOPUS Indexed Journal) on **Feb 2018**.
- **Ms. Bhavya shree M N, K S Ananda Kumar, Gagana H, Kavyashree S, Geetha S**, *“Accessing data in Cloud platform using Identity and Providing Strong security, Auditing based on IBDO Scheme”*, IEEE International Conference on Recent Trends in Computational Engineering and Technologies(ICTRCET-18)at RRCE, Bangalore, India, on **17th & 18th , May 2018**.
- **Ms. Sowmya R, K S Ananda Kumar, Akshitha S, Nethritha Meda, Suman Pawar**, *“Implementation of Hungarian Algorithm to obtain Optimal Solution for Travelling Salesman Problem”*, 3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2018) at Sri Venkateshwara College of Engineering, Bangalore, India, on **18th -19th May 2018**.
- **Mr. K S Ananda Kumar, Dr. R Balakrishna**, *“Implementation of Itree-MAC Protocol for Effective Energy Consumption in Wireless Sensor Networks”*, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, IJSRCSEIT, Volume 3, Issue 6, ISSN: 2456-3307, on **July 2018**.
- **Neha Singhal, Rajeshwari L, Varsha, Radhamani, Shivakumar**, *“Women self defense system with location tracking and SMS altering through GSM and GPS technology”* IEEE-ICTRCET’18, RajaRajeswari college of engg.Bangalore-74, on **17th and 18th, May 2018**

- **Mrs. Neha Singhal, Gagana,** *“Innovation Of Touch Less Touch Screen Technology In Automotive User Interface”*, JSS Academy of technical Education Bangalore, on **7th and 8th, May 2018.**
- **Mrs. Neha Singhal, Kavashree,** *“Location Aware Estimation Using Rover Technology”*, NCAIT’18 JSS Academy of technical Education Bangalore-560060, on **7th and 8th, May 2018.**
- **Mrs. Neha Singhal,** *“Restful Web Service Composition & Performance Evaluation with Different Databases”* IEEE-ICEECCOT-2017, GSSS Institute of engineering and technology for women, Mysuru on **15th &16th December 2017.**
- **Mrs. Veda. D, Brunda C, Prakrithi B, Yeshaswini C.A,** *“Cryptographic predicate encipherment for multi-receiver on online community “,* 5th International conference on applied science Engineering and Technology (ICASET-18), Sri Sairam College of Engineering on **17th & 18th May 2018.**
- **Mr. Dineshkumar M, Archana N H, Sanjay S, Nirmala V,** *”Multipurpose Rural Automated Machinery”*, International Journal of Engineering Science & Computing(IJESC), Vol:8, ISSN:2250-1371, **05.May 2018.**
- **Sandeep Gadwe, Shaziyana Sulthana, Thanuja, Dineshkumar M,** Presented a paper on *“Asset Management & ERP Solutions”* in IEEE-ICTRCET’18 at RajaRajeswari College of engg.Bangalore-74.
- **Mrs. Rajeshwari S, Komala, Nithya G, Disha, Priyanka,** *“Dynamic Rumor Arouse Criticism upon Customer Revel in Social Network”*, ICMCECE-2018, Volume 5, Issue 4, Impact Factor: 5.338, on **April 2018.**
- **Mrs. Vinutha H, Mrs. Rajeshwari S,** *“A Pragmatic check out system for remedy eyeglasses”*, IJESC– International Journal of Engineering Science & Computing| Volume 8, Issue 4, ISSN :2250-1371, on **April 2018.**
- **Mrs. Vinutha H, A. Sandeep Gadwe, B. Shaziyana Sultana,** *“Security on IOT”*, International Journal of Innovative Research in Technolog ,Volume 4, Issue 12, ISSN :2349-6002, on **May 2018.**
- **Mrs. Vinutha H , Keerthi Bhat Srinidhi Gowda V, Tanushree V C,** *“ A New Fuzzy Clustering Approach to increase the Efficiency of WSN”*, National Conference “Recent Trends in Computer Science & Information Technology ,SKIT, Bengaluru ,Volume 7,Issue 6, , ISSN (Online) : 2319 - 8753 ISSN (Print) : 2347 – 6710, on **May 2018.**

- **Mrs. Vinutha H, Rajeshwari L N**, “*A Brief Survey On Introducing Software Testing In The Begging Of The Course*”, IJESC– International Journal of Engineering Science & Computing, Volume 8, Issue 5, ISSN :2250-1371, on **May 2018**.
- **Mrs. Ashwini R Malipatil, Megha H, Megahna C, Manjula** Presented “*MATLAB Based Realtime Face Recognition for Attendance Monitoring Using PCA*” National Conference on Advancements in Information Technology, NCAIT-2018 AT Dept of Information Science and Egg, JSS Academy of Technical Education, Bangalore-60, on **7th- 8th MAY 2018**.



CONFERENCE, SEMINARS AND FDP'S ATTENDED BY FACULTY MEMBERS

- **Dr. J. Amutharaj, Professor and HoD, ISE Department** has chaired a Technical Paper presentation session in the *IEEE International Conference on Computational Engineering and Technologies (ICRTCET 2018)* organized by Department of Computer Science and Engineering of RajaRajeswari College of Engineering, Bengaluru on 17th May 2018.
- **Dr. J. Amutharaj, Professor and HoD, ISE** Department has served as the Judge for the *Project Exhibition Competition* organized by Department of Computer Science and Engineering of RajaRajeswari College of Engineering, Bengaluru on 25th May 2018.
- **Dr. J. Amutharaj** has attended a 7 – Faculty Development Programme on *“Mobile Application Development and Python Programming”* organized by Department of Computer Science and Engineering of RajaRajeswari College of Engineering, Bangalore during 22nd January 2018 to 28th January 2018.
- **Dr. J. Amutharaj, Professor and HoD, ISE** Department has attended a 3 – Day Faculty Development Programme on *“Certified Cyber Security Professional organized by National Cyber Safety and Security Standards”*, Bangalore Section in the RajaRajeswari Medical College Premises during 22nd June 2018 to 24th June 2018.
- **Dr. J. Amutharaj** has attended a 3 – Day workshop on *“Introduction to “R” Programming”* organized by Department of Computer Science and Engineering of RajaRajeswari College of Engineering, Bangalore during 25th June 2018 to 27th June 2018.
- All the ISE Department Faculty members Participated Tutorial session on *“Emerging Scenario of Artificial Intelligence and Enterprise Transforms, Design of Intelligent Machine Tool Condition Monitoring System, Block chain and IoT and Recent Trends in Machine Learning”*, ICTRCET-2018, organized by dept of Computer Science RRCE Bangalore, on 17th and 18th May 2018.
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- **Mr. K S Ananda Kumar**, attended a Seven Days FDP on *“Mobile Application Development and Python Programming”*, at RRCE, Bangalore, from 22nd -28th January 2018.
- **Mrs. Neha Singhal**, participated in two days workshop on *“Certified Cyber Security Professional Workshop”* in association with CCSP (Bangalore Edition) at Rajarajeswari Medical college campus (RRMCH)-Bangalore, on 23rd & 24th June 2018.

- **Mrs. Neha Singhal** participated in two days workshop on **“FILE STRUCTURES”** at **VKIT Institute of technology-Bangalore-74**, on 15th & 16th February 2018.
- **Mrs. Neha Singhal** attended a 7 days FDP on **“Mobile Application Development And Python Programming”** organized by **CSE dept RRCE Bangalore**, on 22nd -28th January 2018.
- **Mrs. Vinutha H**, attended a 2 days FDP on **“Web Programming And Its Technology”** organized by **ISE& CSE dept RNSIT Bangalore**, on 23nd -24th July 2018.
- **Mrs. Vinutha H**, attended 7 days FDP on **“Mobile Application Development and Python programming “**; organized by **CSE, Rajarajeswari College of Engineering**, on 22nd to 28th January 2018.
- **Mrs. Veda D**, has attended three days workshop on **“IOT using Raspberry Pi “** held at **Vivekananda Institute of technology**, on 19th to 21th April 2018.
- **Mrs. Veda D**, attended 7 days FDP on **“Mobile Application Development and Python programming “**, organized by **CSE, Rajarajeswari College of Engineering**, on 22nd to 28th January 2018.
- **Mrs. Veda D**, attended Six days workshop on **“Machine Learning “**held at **SJBIT** on 09th to 14th July 2018.
- **Mrs. Rajeshwari S**, attended a 2 days FDP on **“Web Programming And Its Technology”** organized by **ISE& CSE dept RNSIT Bangalore**, on 23nd -24th July 2018.
- **Mrs. Rajeshwari S**, attended 7 days FDP on **“Mobile Application Development and Python programming “**, organized by **CSE, Rajarajeswari College of Engineering**, on 22nd to 28th January 2018.
- **Mrs. Rajeshwari S**, attended 2days Faculty Development Program on **“Introduction to R Programming”** in association with **ICT Academy** organized by **CSE dept RRCE Bangalore**, on 25th to 26th June 2018.
- **Mrs. Ashwini R Malipatil**, attended 7 days FDP on **“Mobile Application Development and Python programming“**, organized by **CSE, Rajarajeswari College of Engineering**, on 22nd to 28th January 2018.
- **Mrs. Ashwini R Malipatil**, participated in two days workshop on **“Certified Cyber Security Professional Workshop”** in association with **CCSP(Bangalore Edition)** at **Rajarajeswari Medical college campus(RRMCH)-Bangalore**, on 23rd &24th June 2018

- **Ms. Chaithra S**, attended 3days workshop on **“IoT using Raspberry Pi”** organized by **ECE dept VKIT Bangalore**, on 19th to 21st April 2018.
- **Ms. Chaithra S**, attended 2days workshop on **“Introduction to Robotics using Arduino Microcontroller”** at **RajaRajeshwari College of Engineering**, during 5th and 7th April, 2018.
- **Ms. Chaithra S**, attended 7days Faculty Development Program on **“Mobile application development and Python programming”** organized by **CSE dept RRCE Bangalore**, on 22nd to 28th January 2018.
- **Ms. Chaithra S**, attended 2days Faculty Development Program on **“Introduction to R Programming”** in association with **ICT Academy organized by CSE dept RRCE Bangalore**, on 25th to 26th June 2018.

Student Activities and Acheivements

- **Ms. Jeevitha. B.s, Ms. Rakshitha.Amaresh and Mr. Abhitjnana.k** of II year ISE has **participated in science Quiz Competition Organized by LEOS, ISRO, Bangalore on 16th May 2018.**
- **Ms. Roopashree R and Ms. Sindhu D** of III year have participated in **the ” NSS National Integration Camp-2018”** Jointly organized by Department of Youth Empowerment & Sports, State NSS CELL, VTU, Belagavi at the VTU University Campus, Belagavi from **17th March 2018 to 23rd March 2018.**
- **Student Innovation Club of Rajarajeswari College of Engineering**, Bangalore is **inaugurated by Dr. Mark Lee, Professor, Department of Computer Science, Birmingham University, United Kingdom on 9th May 2018.** As part of inauguration of the club innovates Future-Project Exhibition is conducted.
- Project Titled **“Application of Green House Management for Crop Irrigation using IOT”** got **First Place in the Innovate Future - Project Exhibition organized** by Student Innovation Club of RajaRajeswari College of Engineering, Bengaluru on **9th May 2018.**



Dr. Mark Lee Received by Club Members



Dr. Mark Lee is lighting the lam



Research Grants / Project Funds Received in 2017 – 2018

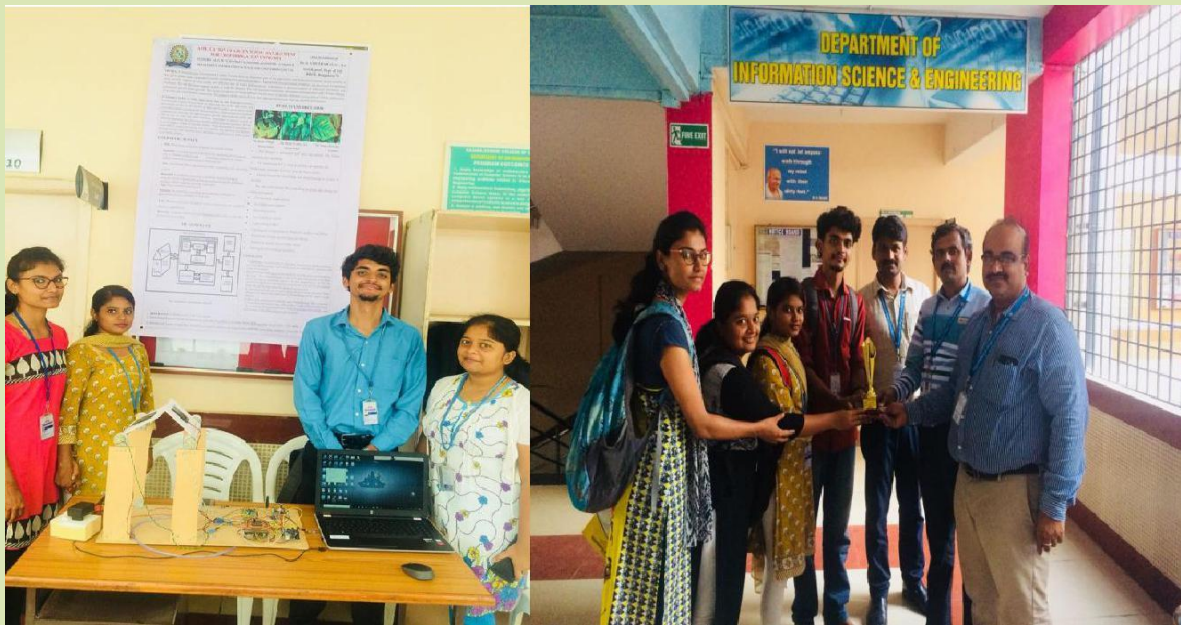
Project Funding from Karnataka State Council for Science and Technology, Govt. of Karnataka :

Sl.No	Title of the Project	Student Team	Supervisor/Guide	Funding Agency	Amount Sanctioned (in Rs.)
1	Application of Green House Management for Crop Irrigation using IOT	Ajay M.P, Chinmai S.M, Harshitha S.N, Jyothi.L	Dr. J. Amutharaj, Professor and HoD ISE	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Rs. 4000

Project Funding from Visvesvaraya Technological University, Belgaum :

Sl.No	Title of the Project	Student Team	Supervisor/Guide	Funding Agency	Amount Sanctioned (in Rs.)
1	Application of Green House Management for Crop Irrigation using IOT	Ajay M.P, Chinmai S.M, Harshitha S.N, Jyothi.L	Dr. J. Amutharaj, Professor and HoD ISE	Vishvesvaraya Technological University, Belgaum.	Rs. 5000/-
2	Self Defence System for Women with Location Tracing and SMS Alerting through GSM Network using IOT	Varsha S.R Rajeshwari L.N Radhamani Shivakumar	Mrs.Neha Singhal Asst. Professor, ISE	Vishvesvaraya Technological University, Belgaum.	Rs. 5000/-

- **Ms. Komala, Nithya G, Disha, Priyanka**, presented *“Dynamic Rumor Arouse Criticism upon Customer Revel in Social Network”*, in ICMCECE-2018, held on 12th & 13th April 2018.
- **Ms. Prakruthi B**, presented *“Cryptographic predicate encipherment for multi receivers on online community”*, in ICASET-18, held in Sri Sairam college of engineering , Ankel, Bengaluru on 17th & 18th May 2018.



Editorial Board

- ◆ **Dr. J. AmuthaRaj, Professor & Head Dept of ISE, RRCE**
- ◆ **Mrs. Rajeshwari S, Assistant Prof, Dept of ISE, RRCE**