Moogambigai Charitable and Educational Trust
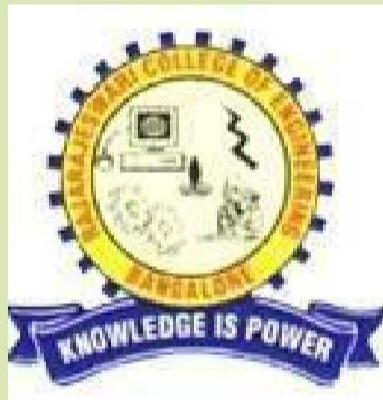
RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated to the Visvesvaraya Technological University, Belgaum Recognized by the AICTE, New Delhi)

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DEPARTMENT OF INFORMATION SCIENCE
AND ENGINEERING

VO'ISE **- NEWS LETTER**
Volume: 6 Issue: 7

Period: 1.1.2019 to 30.6.2019

Inside This Issue

Institutional Vision

"To provide an open opportunity to young generation for evolving their core competencies helping them to build their career as global professionals to be an autonomous institution by achieving excellence in the field of higher education"

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."

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"

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"

ACTIVITIES OF THE DEPARTMENT DURING EVEN SEMESTER OF AY 2018 – 2019 :

1. Dept. Association - VO'ISE' organized a **Student Enrichment Programme** on *"Programming Fundamentals"* on **21st February 2019. Dr. N Guruprasad, Professor, CSE Department, Global Academy of Technology, Bangalore,** was the resource person.

2. Dept. Association - VO'ISE' organized a *"Career Guidance Programme on Higher Studies Abroad"* on **23rd February 2019**. **Mr. Philip Thomas, Product Head-GRE/GMAT, Head - Verbal Section, T.I.M.E (Triumphant Institute of Management Education Pvt. Ltd. Bangalore,** was the resource person.

3. Dept. Association - VO'ISE' organized a Technical Workshop on *"JAVA Programming"* on **14th March 2019**. **Mr. Karthik M.N, Corporate Trainer & Placement officer, NIIT, Vijayanagar Branch, Bangalore,** was the resource person.

4. Dept. Association - VO'ISE' organized a **Sensitization Programme** on *"Career opportunities in PSU's and Higher Education in IISc and IITs through GATE Exam", 20th March 2019.* **Mr.Nandakumar S and Mr.Rajesh, GATE Forum, Malleshwaram, Bangalore,** was the resource person.

5. Dept. Association - VO'ISE' organized a Career Guidance Programme on *"Training on Quantitative Aptitude & Problem Solving"* on **22nd March 2019**. **Mr. Abilash, Aptitude Trainer Max Heap Technologies, Bangalore** was the resource person.

6. Dept. Association - VO'ISE' organized a two days Technical Fest *"Anokha-2k19"* on **26th -27th March 2019. Mr.N.K. Venkatnarayanan, Leadership Coach and Management Consultant, Tata Consultancy Services, Bengaluru** was the Chief guest.

7. Dept. Association - VO'ISE' organized "Project Exhibition 2K19" on 21st May 2019. Mr. Francis Sujai, M.Tech (IIT Delhi) Director, UI Centre of Excellence, HCL Technologies Pvt Ltd, Electronic City, Bangalore, was the chief guest.

8. Dept. Association - VO'ISE' organized an International Seminar on "Big Data Analytics" on 29th May 2019. Dr. George Sarquis, Associate Professor, School of Computing and Digital Technology (CS), Birmingham City University United Kingdom was the resource person.

PUBLICATIONS BY FACULTY MEMBERS AND STUDENTS

International Journals and Conference Publications:

- Dr.J. Amutharaj, Anusha N, Deepthi S M, Madhu M, Manish Adithya H M, "Smart Healthcare System Assisted By IoT and Emergency App" International Research Journal of Engineering and Technology(IRJET), Vol 6, Issue 5, May 2019. Impact Factor: 7.211

- Neha Singhal, Usha Sakthivel, Pethururaj, "Efficient Micro Services Discovery and Selection based on QoS ontology - a Data Mining approach", IJITEE, ISSN: 2278-3075, Volume 8 Issue 7, May 2019.

- Rajeshwari S, Suraksha P S, Soundarya T, Pratibha G, "A Smart Switch to Connect and Disconnect Electrical Devices at Home by using Internet", IJSTE, Volume 5, Issue 10, ISSN (online): 2349-784X.

- **Bindhushree C A, Chaithra M, Monisha G, Vinutha H, "Communication System for blind, deaf and dumb people using internet of things"**, IRJET, Volume :06 Issue:04| May 2019, e-ISSN:2395-0056.

- **Ashwini R Mali Patil, Sandhyarani, E. Rithvini, Ruhee Singh**, **"Cloud and web based smart vehicle toll payment system"**, IJTRD, ISSN: 2394-9333, Volume 6 Issue 3, May-June 2019.

- **Sinchana M. N, Deeraj N, Shwetha L Jadav,** has presented the paper entitled **"Multilayer Security in Protecting Multimedia Data Using Cryptography and Steganography"** in the **"4th IEEE International Conference on Recent Trends on Electronics, Information, Communication and Technology (RTEICT-2019)"** organized by the Department ECE, SVCE, Bangalore on 17th -18th May 2019.

- **Hitesh Vardhan, Vasuki. H.R, Aruna Kumari N S, Nikesh M P** presented a paper entitled **"Air Pollution Control using Machine Learning and Artificial Intelligence"** in the **"4th IEEE International Conference on Recent Trends on Electronics, Information, Communication and Technology (RTEICT-2019)"** organized by the Department ECE, SVCE, Bangalore on 17th - 18th May 2019.

- **Kavitha H L, Ranjitha, Harshitha, Manisha C** presented a paper entitled **"Smart City: IOT Powered Application for Dynamic Signaling, Ambulance Tracking and Smart Street Light"** in the **"4th IEEE International Conference on Recent Trends on Electronics, Information, Communication and Technology (RTEICT-2019)"** organized by the department of ECE, SVCE, Bangalore. on 17th - 18th May 2019.

- **Sumeeth, Varsha H G, Vadiraj V, Rupesh.C.V** presented a paper titled **"Cloud Centric Authentication for Wearable Healthcare Monitoring Device"**, in the 3rd National conference on "VLSI, Communication and Signal Processing (NCVCS-19)" organized by Department of ECE, RRCE on 14th May 2019.

- **Kusuma N, Mamatha M, Sri Vidhya M** presented a paper titled **"Automated Shopping trolley for Billing System"**, in the 3rd National conference on "VLSI, Communication and Signal Processing (NCVCS-19)" organized by Department of ECE, RRCE on 14th May 2019.

- **Swetha B, Bhavyashree, Disha K V, "Smart Helmet for Accident prevention and coal mines safety monitoring and alerting system"**, IJESC, ISSN 2321 3361© 2019.

- **Madhu ganesh M, Roopashree R, Sindhu D, "Autonomous camera based eye controlled wheelchair system using raspberry-pi",** IRJET, Volume:06 Issue:05| May 2019, e-ISSN:2395-0056.

CONFERENCE, SEMINARS AND FDP'S ATTENDED BY FACULTY MEMBERS

➢ **Dr.J.Amutharaj, Professor and Head, ISE Department** has served as a **Reviewer** for the **IEEE International Conference on "Intelligent Techniques in Control, Optimization and Signal Processing" (INCOS-'19)** organized by IEEE Student Branch of Kalasalingam Academy for Research and Education (Kalasalingam University) during 11-13th, April 2019.

➢ **Dr.J.Amutharaj, Professor and HoD**, ISE Department has served as a **Jury for the Karmataka State level ICT Innovator Award Competition** organized by **ICT Academy of Karnataka on 29th March 2019.**

➢ **Dr.J.Amutharaj, Professor and HoD**, ISE Department has served as a **Session Chair** of 3rd **National Conference on "VLSI, Communication and signal processing (NCVCS-19)",** organized by **Department of ECE, RajaRajeswari College of Engineering, Bangalore on 14th May 2019.**

➢ **Dr.J.Amutharaj, Professor and HoD**, ISE Department has served as a **Session Chair** of **National Conference on "Signal Processing, Computing and Networks (SPCN 2K19)",** organized by **Department of CSE, ACS College of Engineering, Bangalore on 21st May 2019.**

➢ **Dr.J.Amutharaj, Professor and HoD** attended 7-day FDP on **"DATA SCIENCE" conducted by TEQUED labs in RajaRajeswari College of Engineering, Bangalore during 28th January to 3rd February 2019.**

➢ **Dr. Ananda Kumar K.S** attended 3 - day Workshop on **"DATA ANALYTICS"** organized by **SJB Institute of technology, Bangalore during 22nd January to 24th January 2019**.

➢ **Dr. K S Ananda Kumar** attended 7 - day FDP on **"DATA SCIENCE" conducted by TEQUED labs in Rajarajeswari College of Engineering, Bangalore during 28th January to 3rd February 2019**.

➢ **Mr. Dinesh Kumar M a**ttended 7 - day FDP on **"DATA SCIENCE" conducted by TEQUED labs in RajaRajeswari College of Engineering, Bangalore during 28th January to 3rd February 2019**.

➢ **Mrs. Neha Singhal a**ttended 7 - day FDP on **"DATA SCIENCE" conducted by TEQUED labs in RajaRajeswari College of Engineering, Bangalore during 28th January to 3rd February 2019**.

➢ **Mrs. Vinutha H** attended 7 - day FDP on **"DATA SCIENCE" conducted by TEQUED labs in RajaRajeswari College of Engineering, Bangalore during 28th January to 3rd February 2019**.

➢ **Mrs. Vinutha H** participated in 3 - day National level Research Workshop organized by **SJB Institute of Technology, Bangalore during 23rd January to 25th 2019**.

➢ **Mrs. Veda D a**ttended 7 - day FDP on **"DATA SCIENCE" conducted by TEQUED labs in RajaRajeswari College of Engineering, Bangalore during 28th January to 3rd February 2019**.

- **Mrs. Ashwini R Mali Patil** attended 7 - day FDP on **"DATA SCIENCE" conducted by TEQUED labs in RajaRajeswari College of Engineering, Bangalore during 28th January to 3rd February 2019**.

- **Mr. Chaithra S a**ttended 7 - day FDP on **"DATA SCIENCE" conducted by TEQUED labs in RajaRajeswari College of Engineering, Bangalore during 28th January to 3rd February 2019**.

<u>STUDENT ACTIVITIES AND ACHEIVEMENTS</u>

- **Safura Aliya and Sumalatha of II year ISE participated in "EBIZ NATIONAL CONVENTION 2019 held at INDIRA GANDHI INDOOR STADIUM", New Delhi during 16th to 18th March 2019.**

- **Kavitha H L, Ranjitha, Harshitha, Manisha C**, has participated and presented their project in the 4th National level IEEE Project Competition **"IEEE PROJECT EXPO - 2019"** organized by IEEE Student branch(STB17861) & IEEE WIE Affinity group, **GSSS Institute of Engineering and Technology for Women, Mysore** in association with IEEE Bangalore section on **29th April 2019.**

- **Suraksha P S, Soundarya T, Pratibha G** has participated and presented their project in the 4th National level IEEE Project Competition **"IEEE PROJECT EXPO - 2019"** organized by IEEE Student branch(STB17861) & IEEE WIE Affinity group, **GSSS Institute of Engineering and Technology for Women, Mysore** in association with IEEE Bangalore section on **29th April 2019.**

- **Swetha B, Bhavyashree, Disha K V** has participated and presented their project in the 4th National level IEEE Project Competition **"IEEE PROJECT EXPO - 2019"** organized by IEEE Student branch(STB17861) & IEEE WIE Affinity group, **GSSS Institute of Engineering and Technology for Women, Mysore** in association with IEEE Bangalore section on **29th April 2019.**

- **Sachin H, Puneeth Kumar, Adarsh S Shetty, Lakshmipathy U** of III year ISE has participated in the VTU TEQIP 1.3 sponsored 3 - day Short Term Training Program on **"Student Employability Program"** organized by the **Department of CSE, VKIT, Bangalore** during **3rd to 5th MAY 2019.**

- Sanjana K, N M Charishma, K R Anjali, Ms. Shraddha Shankr Bhat, Arpitha R, Nidhi Hegde, Namratha S N, Ashwini, Divyashree, Megahana, Amurutha, **Monika Singh** of III year and II year ISE has participated in the **"Karnataka State Level Engineering IT Quiz Competition "TCS TECHBYTES QUIZ" in Mysore** jointly organized by **Board for IT Education and Standards (BITES)** and **TATA Consultancy Services, Bangalore**.

- Sachin H **of III year ISE** participated in the Technical Event **"Rectifying Decoding Quiz of UNIX Founder's Day"** organized by **Dept. of CSE, ACS College of Engineering, Bangalore** on **22nd February 2019.**

- Anusha N, Deepthi S M, Madhu M, Manish Adithya H M, Dr.J.Amutharaj, **has** participated in the State Level Mini Project Exhibition sponsored by **ISTE & Aberame**, organized by **Dept. of CSE of SVCE, Bangalore.** They exhibited the project entitled **"Smart Healthcare System assisted by IoT and Emergency app"** on **25th April 2019.** Dr.J.Amutharaj is the Supervisor.

- Hitesh Vardhan, Vasuki. H.R, Aruna Kumari N S, Nikesh M P, has participated in the State Level Mini Project Exhibition sponsored by **ISTE & Aberame**, organized by **Dept. of CSE of SVCE, Bangalore.** They exhibited the project entitled "**Air Pollution Control using Machine Learning and Artificial Intelligence"** on **25th April 2019**. Dr. Ananda Kumar K S is the supervisor.

- Sinchana M. N, Deeraj N, Shwetha L Jadav has participated in the State Level Mini Project Exhibition sponsored by **ISTE & Aberame**, organized by **Dept. of CSE of SVCE, Bangalore.** They exhibited the project entitled **"Multilayer Security in Protecting Multimedia Data Using Cryptography and Steganography",** on **25th April 2019.** Dr. Ananda Kumar K S is the supervisor.

- Sandhyarani, E. Rithvini, has participated in the State Level Mini Project Exhibition sponsored by **ISTE & Aberame**, organized by **Dept. of CSE of SVCE, Bangalore.** They exhibited the project entitled **"Cloud and Web based Smart Vehicle Toll Payment System",** on **25th April 2019.** Mrs. Ashwini R Mali Patil is the supervisor.

- Bindhushree C A, Chaithra M, Monisha G, Vinutha H, has participated in the State Level Mini Project Exhibition sponsored by **ISTE & Aberame**, organized by **Dept. of CSE of SVCE, Bangalore.** They exhibited the project entitled **"Communication system for Blind, Deaf and Dumb people using Internet of Things (IOT)"** on **25th April 2019. Mrs. Vinutha H** is the supervisor.

> **Madhu Ganesh M, Roopashree R, Sindhu D,** State Level Mini Project Exhibition sponsored by **ISTE & Aberame**, organized by **Dept. of CSE of SVCE, Bangalore.** They exhibited the Project entitled "**Eye controlled Wheelchair System using Raspberry-pi"** on **25th April 2019. Ms. Chaithra S** is the Supervisor.

Achievements in Sports:

> **ISE Department Cricket Team (Girls)** was the **Winner of Cricket Finals** in the **Annual College Sports Meet** held between **March 29-30, 2019.**

> **ISE Department Throw Ball Team (Girls) was the Winner of Throw Ball in the** Annual College **Sports Meet** held between **March 29-30, 2019.**

> **Supritha P Sheety of ISE, has Won Second prize** in **Discuss Throw** in the **Annual College Sports Meet** held between **March 29-30, 2019.**

Research Grants / Project Funds Received in 2018 – 2019

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

Sl.No	Title of the Project	Student Team	Supervisor	Funding Agency	Amount Sanctioned (in Rs.)
1	Smart helmet for accident prevention and coal mines safety monitoring and alerting system	Swetha B, Bhavya Shree R, Disha K V	Mrs. Neha Singhal, Asst. Professor, ISE	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Rs. 6500

Project Funding from Visvesvaraya Technological University, Belgaum:

Sl.No	Title of the Project	Student Team	Supervisor	Funding Agency	Amount Sanctioned (in Rs.)
1	Development of smart healthcare system connecting e-Health sensor and the cloud for rural healthcare	Anusha N, Deepthi S.M, Madhu M, Manish Adithya	Dr. J. Amutharaj, Professor and HOD ISE	Vishvesvaraya Technological University, Belgaum.	Rs. 5000/-
2	Development of an IOT based system for providing standard lifestyle to hearing impaired and visually challenged people	Bindhushree C A, Chaithra M, Monisha G	Mrs.Vinutha H, Asst.Professor, ISE.	Vishvesvaraya Technological University, Belgaum.	Rs. 5000/-

Class Toppers in the Odd Semester Examination of AY 2018 - 2019 :

Sl.No	Semester	Name of the Student	% of Marks
1		MONIKA SINGH	78.82
2	III SEM	NIDA SARWATH	78.47
3		GAGANA .K	77.53
1		SANJANA K	75.25
2	V SEM	SHRADDHA	74.75
3		J K HIMA	74.25
1		MADHU M	84.25
2	VII SEM	BINDHUSHREE. C.A	80.75
3		NEHA.S	79.38