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## Sampige

## A quarterly News Bulletin of RIT

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### Contents

**Departmental Activities**

**NSS**

**Sports**

**EDC**

**Cultural Activities**

**Alumni Association**

**New Appointments**

## From the Editorial Board



### GREETINGS!

I wish to welcome our readers to another issue of Sampige, A quarterly News Bulletin of Ramaiah Institute of Technology through which we keep the college community and beyond abreast of happenings, developments and the great strides achieved by our institution. The main objective of this Bulletin is to provide a platform for our faculty, Staff and students to dig out and expose their hidden talents creativity in

academic, curricular and extracurricular activities. This issue specially includes the report on Annual Mega Blood donation Camp organized by NSS wing of our Institution. Blood donation camp witnessed a record collection of 1200 plus units of blood distributed to over 16 blood banks located in and around the Bengaluru city. I personally congratulate the NSS coordinator and all our NSS student volunteers for the great success of camp. Once again all efforts have been made to compile information about various activities held in individual departments and their achievements effectively since we consider this News Bulletin as an effective tool of communication. I express my sincere gratitude to all our faculty and staff for their valuable inputs. Sampige . A quarterly News Bulletin of R.I.T values your suggestion and remarks. Looking forward to your continuous support in the upcoming issue.

Best wishes,

**Dr. N. V. R. Naidu**



### Friends,

Greetings and welcome to another issue of Sampige, A Quarterly News Bulletin of Ramaiah Institute of Technology, a comprehensive report on various activities held in the institution as well as various departments. In this News Bulletin we have highlighted the annual Blood Donation Camp organized in association with our National service Scheme(NSS) in addition to activities held at the

institute and significant contribution made by our faculty , Staff and students. We would like to place on record our gratitude and heartfelt thanks to all those who have contributed to make this News Bulletin very beautiful. In concluding I would like to acknowledge all the HODs and section Heads for providing detailed report of their departments towards finalizing this issue of Sampige. The success of this issue of Sampige depends on your valuable response. I would always appreciate your feedback.

With best wishes.

**Dr. V. Ramachandramurthy**

## Founder Chairman Dr. M. S. Ramaiah (1922 - 1997)



Industrious and enterprising, Dr. M. S. Ramaiah is among Karnataka's illustrious sons and an engineering contractor of national repute. He founded 'Gokula Education Foundation' in 1962 without expecting any kind of assistance from the establishment with an objective of serving the society. M.S. Ramaiah Institute of Technology (MSRIT) was born under the aegis of this foundation in the same year, creating a landmark in technical education in India. Through the years MSRIT has imparted quality engineering and education, accessible to thousands from across India and abroad, facing a lack of opportunity to pursue higher education.

Widely acknowledged as a visionary, educationist, industrialist and philanthropist, Dr. M. S. Ramaiah

personally ensured that the institution which began with just two disciplines, grew phenomenally over the years. MSRIT now offers Bachelors, Masters and Doctorate programmes in several disciplines and is recognised as one of India's leading names in technical education. The institution is with state-of-the-art laboratories, well stocked libraries and has highly qualified, experienced and dedicated faculty. In tune with the noble ambitions and aspirations of

Dr. M. S. Ramaiah to keep the institution growing and developing continuously so as to become a 'Jnana Sagara', all departments are continuously engaged in implementing appropriate procedures to initiate, include and conduct unique programmes keeping in touch with the emerging requirements of the industry.

## Hearty Congratulations!



**Ms. Sanjana S & Ms. Varshini R**, VII semester were selected for the Fujio Cup Quiz (FCQ) Elite Bright category for the topic Stem Cells and Regenerative Medicine to participate in the Onsite FCQ pre final rounds and proceeded to pre final rounds II. During the NCRM NICHE 2018 event in Tokyo, Japan on the 21<sup>st</sup> & 23<sup>rd</sup> October, 2018, they also presented their answer selected from the previous FCQ round.



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To Whom It May Concern,

I am privileged to extend an invitation for Mohith Manohar from the Ramaiah Institute of Technology, Department of Information Science and Engineering, to attend Hack Cambridge 4D on 19<sup>th</sup>-20<sup>th</sup> January 2019.

Hack Cambridge is a two-day programming development workshop endorsed by the University of Cambridge held in the Cambridge Corn Exchange in Cambridge, UK. This is a very prestigious event where hand-picked attendees work together to create new software and hardware. Mohith was selected to attend Hack Cambridge due to the high quality of his application.

We will aim to provide accommodation and food for the duration of the event and will supply a nominal subsidy to travel costs (up to £70).

Yours sincerely,

Timothy Lazarus

**Mr. Mohith Manohar** 5<sup>th</sup> Sem ISE is selected to attend Hack Cambridge 4D on 19<sup>th</sup>-20<sup>th</sup> January 2019. This is a very prestigious event where hand-picked attendees work together to create new software and hardware. Mohith was selected to attend Hack Cambridge due to the high quality of his application. Hack Cambridge is a two-day programming development workshop by the University of Cambridge held in the Cambridge Corn Exchange in Cambridge, UK.

## ELECTRICAL AND ELECTRONICS ENGINEERING

### Paper Presented in (National / International) Conferences

- Pranay Jaiswal, Adithya Swaroop, Kunal Gaurav, **Victor George** and **Dr. Pradipkumar Dixit** – 'A Novel Web-Based Real time Communication System for PHEV Fast Charging Station', IEEE Sponsored Third International Conference on Circuits, Control, communication and Computing, 3<sup>rd</sup>-5<sup>th</sup> October 2018, RIT, Bangalore.
- Ashvij Shenai, Abhijeet Antin, Pallavi.R and **Dawnee-Soman** – 'Development of In-Pipe Robot for Assisting Borewell rescue Operations', IEEE Sponsored Third International Conference on Circuits, Control, communication and Computing, 3<sup>rd</sup>-5<sup>th</sup> October 2018, RIT, Bangalore.

### Guest Lectures Invited



- **Mr. L.S. Subranaim**, CEO, NISE, an alumni of the department (1981 Batch) – 'Cloud Computing', 1<sup>st</sup> October, 2018.
- **Mrs. Shruthi.S**, CADD center – 'Advanced CAD/CAM/CAE for better career opportunities in design', 8<sup>th</sup> December, 2018.

## DEPARTMENT OF MECHANICAL ENGINEERING

### Publication in (National/International) Journals

- **Shashank LM, Srinath MS, Amarendra HJ, Mahabaleshwar US, Lorenzini G, Lorenzini E** – 'Development of copper alloy by microwave hybrid heating technique and its characterization', International Journal of Heat and Technology, 36(4), 2018, 1343-1349.

- **P.L Srinivasa Murthy, Balasubramanya H S, Karthik Srinivas, Karan Gowda** – 'Modeling and Software Development of Soft Gripper for Automated Robots', International Journal of Informative and Futuristic Research, Volume 6, Issue 3, November 2018, ISSN: 2317-1697, pp12-17

- **Bharath S V, Sridhar B S** – 'Modeling and Analysis of Pressure Distribution of an Honing Machine Tool using Reverse Engineering Process, National Conference on Processing of materials, September 19-21, 2018, NITK, Surathkal.

- **Dr. Jyothilakshmi. R, Sachin. S. S** – 'Effect of tool rotation speed on Aluminum to copper welded joint by friction stir welding' Journal of Thermal Engineering and Applications, Volume 5, Issue 3, December 2018

- **Ashok Kumar K, N. Kapilan, Sunil S** – 'Studies on effect of Alcohols on the Performance and Emissions of Biodiesel operated Diesel Engine', International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN(P): 2249-6890; ISSN(E): 2249-8001, Vol. 8, Special Issue 8, Oct 2018, 157-166.

- **Geethanjali K.S, Ramesha C.M, Chandan B.R** – 'Comparative Studies on Machinability of MCLA steels EN19 and EN24 using Taguchi optimization Techniques', Materials Today: Proceedings 5 (2018) 25705-25712

- **Sanjay M R** – 'Synthesis and Characterization of Cellulose Nanofibers (CNF) Ramie Reinforced Cassava Starch Hybrid Composite' Elsevier, International Journal of Biological Macromolecules. 120, pp.578-586, 2018.

- **Sanjay M R** – 'Development of New Hybrid Phoenix Pusilla/Carbon Reinforced Polymer Composites: Effect of Nano Fillers, Taylor & Francis Group, Journal of the Chinese Advanced Materials Society. 2018.

- **Sanjay M R** – 'Coconut Leaf Sheath/Jute/E-Glass Reinforced Phenol Formaldehyde Hybrid Composites: Effect of Stacking Sequence on Properties' Sage, Journal of Industrial Textiles, 2018.

- **Sanjay M R** – 'Effect of Various Chemical Treatments of Prosopis Juliflora (PJ) Fibers as Composite Reinforcement: Physico-Chemical, Thermal, Mechanical and Morphological Properties' Taylor & Francis Group, Journal of Natural Fibers. 2018.

• **Sanjay M R** – 'Dielectric properties and interfacial adhesion of Jute, kenaf and E-glass fabrics reinforcing Epoxy composites' Wiley, Polymer Composites. 2018.

• **Sanjay M R** – 'Investigation on Mechanical Behavior of Areca Sheath fibers/Jute fibers /Glass fabrics Reinforced Hybrid Composite for Light Weight Applications' Sage, Journal of Industrial Textiles. 2018

• **Sanjay M R** – 'Characterization of new natural cellulosic fiber from bark of Albizia amara' Taylor & Francis Group, Journal of Natural Fibers, 2018.

• **Sanjay M R** – 'Studies on Ramie cellulose microfibrils reinforced Cassava starch Composite: Influence of Microfibrils Loading' Taylor & Francis Group, Journal of Natural Fibers. 2018.

• **Sanjay M R** – 'Characterization of Microfiber Isolated from Hibiscus Sabdariffa var. Altissima Fiber by Steam Explosion' Taylor & Francis Group, Journal of Natural Fibers. 2018.

• **Sanjay M R** – 'Characterization of Areva Javanica fiber - Possible replacement for synthetic Acrylic fiber in friction composite application' Sage, Journal of Industrial Textiles. 2018.

• **Sanjay M R** - 'A new assessment on mechanical properties of Jute fiber mat with egg shell powder/nanoclay reinforced polyester matrix composites' Taylor & Francis Group, Journal of Natural Fibers. 2018.

• **Sanjay M R** – 'Effect of Alfa fiber mechanical extraction on dielectric properties of hybrid unsaturated polyester composites' Wiley, Polymer Composites. 2018.

• **Sanjay M R** – 'Impact of alkali treatment on the thermal, structural and tensile properties of Carica papaya bark fibers' Taylor & Francis Group, International Journal of Polymer Analysis and Characterization, 2018.

#### Paper presentation in (National/ International) Conferences

• **Dr. Jyothilakshmi. R, Sumangala Patil** – 'Sustainable Production and Utilization of Bio Gas in a community Biogas Plant – a Case study of Bruhat Bengaluru Mahanagara Palike, Bengaluru', 8<sup>th</sup> International Conference on Solid Waste Management, Organized by ISWMAW

and Acharya Nagarjuna University, Vijayawada, Andhra Pradesh, India, Nov 22<sup>nd</sup> to 24<sup>th</sup>, 2018

#### Guest Lecture delivered by the Department Faculty

• **P.L Srinivasa Murthy**- 'Design of Machine Elements', Sairam College of Engineering, Bangalore, 16/11/2018

#### Faculty who obtained Ph.D degree



**Arun Kumar P.C** has been awarded Ph.D degree by Visvesvaraya Technological University, Belagavi for his work on "Comparative Studies on Crack Growth and Propagation in Metallic and Nonmetallic Components Under Fatigue and Impact Loading". He worked under the guidance of **Dr. P. Dinesh**, Professor, Department of Mechanical Engineering, Ramaiah Institute of Technology, Bengaluru.



**R. Kumar** has been awarded Ph.D degree by Visvesvaraya Technological University, Belagavi for his work on 'synthesis, characterization and modeling of functionally graded metal ceramic composites'. He worked under the guidance of **Dr. C.N. Chandrupa**, Professor & Head, Dept. of Automobile Engineering, Acharya Institute of Technology, Bangalore.



**Vishwanath Koti** has been awarded Ph.D degree by Visvesvaraya Technological University, Belagavi for his work on 'SYNTHESIS AND CHARACTERIZATION OF CARBON NANOTUBES REINFORCED COPPER COMPOSITE'. He worked under the guidance of Dr. Raji George, Professor & Head, Dept. of Mechanical Engineering, RIT, Bangalore.

#### DEPARTMENT OF CIVIL ENGINEERING

• A field visit was organized on 18<sup>th</sup> Dec 2018 for first year Civil PG Structural Engineering students in order to enhance their practical knowledge and design skill. The students were taken to construction site of Law College campus which is a part of campus redevelopment program of Ramaiah GEF.





Mr. Sanal Kumar, the Managing partner of Info tech Pre-cast construction, site Engineer Mr. Damu Choudary and fabrication Engineer Mr. Suresh were the resource persons during the visit. The design aspects, field execution of the project with prefabricated structure and raft foundation were explained. Students also saw the prefabrication yard where the components of the structure have been prefabricated. Students had a rare opportunity of visiting such live project using latest technology which added value to their design skill.

#### Publications in (National/ International) Journals

- **Naveen, B. P., Sumalatha, J., & Malik, R. K** – ‘A study on contamination of ground and surface water bodies by leachate leakage from a landfill in Bangalore, India’, International Journal of Geo-Engineering, 9(1), 27. (Scopus Indexed)
- **Sumalatha, J., Naveen, B. P., & Malik, R. K.** – ‘Efficiency of Washing Techniques for Removal of Heavy Metals from Industrial Sludge’, Pollution, 5(1), 189-198. (Web of Science Indexed)
- **Sumalatha, J., Naveen, B. P., & Malik, R.K** – ‘Toxic metals removal from industrial sludge by using different leaching solutions’, J. Inst. Eng. India Ser. A, 1-9. (Scopus Indexed)
- **Amin Shakya<sup>1</sup>, Lomash Bhattarai<sup>1</sup>, Sagar Shahi<sup>1</sup>, Suraj Kumar <sup>1</sup>, Suguna Rao <sup>2</sup>** - ‘Application of Artificial Neural Networking Technique for the Lifecycle Assessment of Recycled Aggregate Concrete’, International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 05 Issue: 11 | Nov 2018 www.irjet.net p-ISSN: 2395-0072.

#### Paper presentation in (National/International) Conferences

- **Srilatha, N., Praveen, R., & Narayana Swamy** – ‘Stabilization of soil using flyash and rice husk ash’, Indian

Geotechnical conference IGC-2018, during 13<sup>th</sup>-15<sup>th</sup> December 2018, organized by IGC chapter and IISc, Bangalore.

- **Adarsha, B.S., Harish, N., Prashanth J., and Mandal, S** – ‘Elephant Herding optimization based Neural Network in Predicting Elastic Modulus of Concrete’, 8th International Conference Soft Computing for Problem Solving - SocProS 2018, Vellore Institute of Technology, Tamil Nadu, India 17-19 December.

#### Guest lecturers- invited

- Technical talk on “Fundamental of RC Structures and Codal Provisions” by Professor K.Shankarnarayan visiting Professor at P.E.S .I.T and CMRIT.

ICI Student chapter Department of Civil Engineering, RIT organized a technical talk on the topic “Fundamentals of RC Structures and Codal Provisions” on Nov 23<sup>rd</sup> 2018 for PG and UG students. The technical lecture was delivered by Mr. K.Shankarnarayan, visiting Professor at P.E.S.I.T and CMRIT. The speaker demonstrated the pattern of behavior of RCC members. He highlighted the various clear cover considerations that need to be adopted in various structural members. IS codal provisions were discussed and emphasis was on the design considerations of RC Structures during his lecture.



Professor **K. Shankarnarayan** delivering lecture to students

It was followed by brain storming session stressing the importance of IS codal provisions for design of RC structures. PG and UG students were benefitted at large as it was an extended part of their curriculum

- **Technical Talk on “Analysis and Design of RC Element”** Professor Shankarnarayan visiting Professor at P.E.S.I.T and CMRIT



PG & UG Civil students with Prof. K. Shankarnarayan

ICI Student chapter Department of Civil Engineering, RIT organized a technical talk on the topic “Analysis and Design of RC Elements” on Nov 30<sup>th</sup> 2018 for PG and UG students. The technical lecture was delivered by Professor K. Shankarnarayan, visiting Professor at P.E.S.I.T and CMRIT. The speaker focused on member behavior in terms of its limiting strength in bending, shear, compression and tension during the session. The speaker also shared the knowledge in the area of torsion.

- **Technical Talk on “Earthquake Resistant RC Structures”** by Ar. Bharath Gowda Founding Partner of Ingenious Building Systems LLP

ICI Student chapter Department of Civil Engineering, RIT organized a technical talk on the topic “**Earthquake Resistant RC Structures**” on Dec 7<sup>th</sup> 2018 for PG & UG students.



Resource person **Ar. Bharath Gowda** with students and faculty Civil, RIT

The session was delivered by Ar. Bharath Gowda Founding Partner of Ingenious Building Systems LLP. He presented general principles, codal provisions and design criteria of earthquake resistant structures. Various instruments used to measure intensity and ground motion during earthquake were also presented.

### Achievements - Students

**Sachin H R, Ravi Kumar B & Prasad K M** of VII Sem Civil students participated and secured II place in Concube Event of Concrete Fair 2018 on 10<sup>th</sup> & 11<sup>th</sup> of October organized by Dept of Civil Engg R V College of Engg in association with ICI Bengaluru Centre & ASCE student chapter RVCE.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Workshop on “DSP: Principles and Practice”, was conducted in collaboration with IETE and IMAPS, Bangalore Chapter on 14<sup>th</sup> October 2018.

The workshop inauguration ceremony was graced by Prof. Bhatia, Chairman, IETE, Bangalore Centre, Dr. M.H Kori, Chairman, IMAPS, India Chapter, Dr. S Sethu Selvi, HOD, Dept of ECE, RIT, Bangalore, Dr. Ashok Rao, Former Professor, IISc, Bangalore, Sri C.P. Dwvedi, Vice-Chairman, IETE, Bangalore Centre and Sri Raghavendra C G, EC member, IETE, Bangalore centre.

Dr. Ashok Rao handled all the three sessions of the workshop, giving complete insight on DSP principles and their applications. The workshop focused on DSP design and use of many modern artefacts and gadgets. DSP design encompasses Electronics, Communication, Mechanical, Aerospace, Bio-Medical and even Civil Engineering domains. With IoT likely to engulf the entire world (Smart Cities, Smart Life, Smart World), DSP will have a bigger role to play. Some established applications in audio and video were explained providing motivation to develop application in other domains too. The workshop was designed to train the students, faculty and industry experts who are working in the area of signal processing.



International Conference on Circuits, Control, Communication and Computing was organized in collaboration with IEEE Bangalore Chapter, from 3rd-5th October 2018.

The International Conference on Circuits, Communication, Control and Computing (I4C-2018) believes that the grand engineering challenges of the 21st century can only be addressed in an inter-disciplinary and cross disciplinary manner. This has enthused the conference organizers to combine all the major domains of Electrical Sciences in the theme of the conference. This conference is an international forum for engineers, researchers, scientists, graduate students and industry professionals to cross the design-technology boundary through interactions with design, technology and process experts to develop the skills for future research and development. This will foster an environment for exchanging breakthrough ideas and collaborate effectively.



Industrial visit to Avalon Technologies Pvt. Ltd. 28<sup>th</sup> November 2018

- An industrial visit was organized by the department for the 5<sup>th</sup> semester B.E students in order to give an insight to PCB production, device integration and packaging. The coordinators for the visit were Dr. Lakshmi. S and Shreedarshan. K. Avalon Technologies has gained immense expertise in supplying and trading of Printed Circuit Board (PCB) assemblies, cable assemblies, sheet metal enclosures etc.

- An industrial visit was organized by the department for the 5<sup>th</sup> semester B.E students with faculty members Dr. Rama Murthy TV and Mr. Sadashiva Chakrasali to Moog Technologies, Electronics City, Bangalore on December 12<sup>th</sup>, 2018. The team was taken around the facility and was greatly impressed with the testing and validation of transport aircraft flight control actuators and associated electronics.



Industrial visit to U R Rao Satellite Centre 5<sup>th</sup> December 2018

- An industrial visit was organized by the department for the 5<sup>th</sup> semester B.E students on 5<sup>th</sup> December 2018 to U R Rao Satellite Centre in order to give an insight to satellite development process. The coordinators for the visit were A. R Priyarenjini and Sara Mohan George. U R Rao Satellite Centre also known as ISRO Satellite Centre (ISAC) is the lead centre for building satellites and developing associated satellite technologies. The students were shown the clean room from a gallery and they were explained on the various stages of work that was going-on for Chandrayaan-2.

#### Publications in (National / International) Journals

- Reshma Verma, Raol J R** -'Tracking of Maneuvering Target using Fuzzy Logic Augmented H-Infinity Filter', Journal of Aerospace Sciences and Technologies, Vol.70, No.4, pp. 384-395, 2018.

- Reshma Verma, Raol J R** --'Fuzzy Logic Augmented Adaptive Filtering - Some New Results', Control and Data Fusion e-Journal: CADFEJL, Vol.2, No.1, pp. 57-70, 2018.

- Chethana Gosal S, Mohith Kumar, Mahesh Reddy**--'Intelligent Armour', International Journal of Engineering Science Invention (IJESI), Vol.7, No.5, pp. 25-31, 2018.



• **Nirmala Paramanandham, Kishore Rajendiran**--'Multi Focus Image Fusion using Self Resemblance Measure', Computers and Electrical Engineering, Vol.71, pp. 13-27, 2018.

• **Nirmala Paramanandham, Kishore R jendiran**--'Swarm Intelligence based Image Fusion for Noisy Images using Consecutive Pixel Intensity', Multimedia Tools and Applications, Vol.77, No.24, pp. 32133-32151, 2018.

• **Kashyap, V. H, S. Agarwal, S. Gururaj, S. Yajaman, Sara M George**--'Fall Monitoring System for Elderly People using ARM Cortex M3', Control and Data Fusion e-Journal, Vol.2, pp. 48-56, 2018.

• **Sara Mohan George, S. Sethu Selvi**--'A Brief Exposition on Advances in Nonlinear Filtering using Point Mass Filter', Control and Data Fusion e-Journal: CADFEJL, Vol.2, pp. 60-66, 2018.

• **Reena Chackochan, Senthilkumar Dhanasekaran, Albert Sunny**--'Asynchronous Distributed Greedy Link Scheduling in Multihop Wireless Networks', IEEE Transactions on Vehicular Technology, Vol.67, No.10, pp. 10166-10170, 2018.

• **Lakshmi Shrinivasan, Sachin C S**--'Performance of Neural Network and Data - Driven Models on MNIST Dataset', Control and Data Fusion e-Journal: CADFEJL, Vol.2, No.3, pp. 26-35, 2018.

• **Lakshmi Shrinivasan, Raol J R**--'Interval Type 2 Fuzzy Logic based Situation Assessment - Some New Results', Control and Data Fusion e-Journal: CADFEJL Vol.2, No.1, pp. 28-47, 2018.

• **Lakshmi Shrinivasan, Raol J R**--'Interval Type 2 Fuzzy Logic for Formation Flying and related Stability Analysis', Control and Data Fusion e-Journal: CADFEJL Vol.2, No.2, pp. 16-31, 2018.

• **K. Roopa, T. V. Rama Murthy, P. Cyril Prasanna Raj**--'Neural Network Classifier for Fighter Aircraft Model Recognition', Journal of Intelligent Systems, Vol.27, No.3, pp. 447-464, ISSN: 2191-026X, 2018.

#### Paper Presentation in (National/International) Conferences

• **Seema Singh, T V Rama Murthy**--'An integrated neural network based sensor fault accommodation system for a fighter aircraft model', 5th International Conference on Communication and Computer Engineering at Melaka, Swiss Garden Hotel, Malaysia, July 2018.

• **H.Mallika, Abhijith Krishnan, Milind M Manoj, Mohammed Hazique Kola, Riya Gangamma P B**--'Software Pipeline for Vehicle Detection and Tracking using CNN', Third IEEE International Conference on Circuits, Controls, Communication and Computing (I4C-2018), RIT, Bangalore, 5<sup>th</sup> October 2018.

• **Lakshmi Shrinivasan, Prasad N R**--'Single Horizontal Camera based Object Tracking Quadcopter using StaGaus Algorithm', 5th International Conference on Emerging Research in Computing ,Information, Communication and Applications (ERCICA-18) Springer, NMIT, Bangalore, 2018. Vol. 1: E-book ISBN: 978-981-13-5953-8.

• **S.L. Gangadharaiah**--'FPGA based Efficient Feed Forward FFT Architecture', 3<sup>rd</sup> IEEE International Conference on Recent Trends in Electronics Information and Communication Technology, SVCE, Bangalore, 2018.

• **Sarala S M, Sharath Yadav D H, Asadullah Ansari**--'Emotionally Adaptive Driver Voice Alert System for Advanced Driver Assistance System (ADAS) Application', International Conference on Smart Systems and Inventive Technology, Francis Xavier Engineering College, Tirunelveli, 12<sup>th</sup> December 2018.

• **Ashwini K.M, A.R.Priyarenjini** - -'Timing and Area Recovery for Serial I/O Interface', International Conference on Inventive Research in Computing Applications, RVS College of Engineering and Technology, Coimbatore, Tamilnadu, 7<sup>th</sup> November 2018.

• **Sangeetha N, V. Anandi**--'Development of SCADA Automation System as a Testing Platform at IISc', International Conference on Inventive Research in Computing Applications (ICIRCA), RVS College of Engineering and Technology, Coimbatore, Tamil Nadu, India, 2018.

• **C. G. Raghavendra**--'Reduction of Envelope fluctuations in OFDM Radar signals using coding Technique', IEEE International Conference on Communication and Signal Processing, ACE, Melmaruvathur, Tamil Nadu, 2018.



• **Priyanka P, Nisarga GK, Raghuram S**-‘CMOS Implementations of the Rectified Linear Activation Function’, 2018 VLSI Design and Test Conference (VDAT), Thiagaraja College of Engineering, Madurai, India, 2018.

• **Smitha Iyengar, Lakshmi Shrinivasan**-‘Power, Performance and Area Optimization of I/O Design’, International Conference on Inventive Research in Computing Applications (ICIRCA 2018), Coimbatore, RVS College of Engineering and Technology, Coimbatore, Tamil Nadu, India, 2018.

• **Anjaly Shaju, Senthilkumar Dhanasekaran**-‘Low Complexity Encoding of M-ary QAM Constellation for Linear Index Codes’, Proceedings of International conference on Electronics, Signal Processing and Communication Engineering, (eSpace-2018), Kerala, India, 2018.

• **C. G. Raghavendra**-‘Sidelobe reduction of Multicarrier Radar Signals using Zad-off Chu Polyphase Sequence’, IEEE, International Conference on Inventive Research in Computing Applications (ICIRCA 2018), Coimbatore, RVS College of Engineering and Technology, Coimbatore, Tamil Nadu, India, 2018.

• **Bhandavi, Maya V Karki**-‘Detection of Brain Abnormalities using Machine Learning Algorithm’, 4<sup>th</sup> IEEE International Conference on Convergence of Technology (I2CT), SDM Institute of Technology, Ujire, Mangalore, India, 27<sup>th</sup>-28<sup>th</sup> October 2018.

• **B. Sujatha**-‘Smart Water Monitoring System for Real-time Water Quality and Usage Monitoring’, International Conference on Inventive Research in Computing Applications (ICIRCA 2018), Coimbatore, RVS College of Engineering and Technology, Coimbatore, Tamil Nadu, India, 2018.

#### Guest Lectures - Invited

• **Dr. Prathosh A P**, Assistant Professor, Computer Technology Group, Dept. of Electrical Engg., IIT Delhi, -‘Fundamentals of Machine Learning/Deep Learning’, 15-12-2018.

• **Ms. Prashanthi Kadambi**, Graphics Software Engineer, INTEL, Bangalore- ‘A Roadmap to Pursuing a Masters Degree in India’, 01-12-2018.

• **Mr. Kamran Ahmed**, Embedded Software QA Engineer, NVIDIA, Bangalore-‘Self Driving Cars: from 16nm to 80kms’, 23-11-2018.

• **Lt. Col. Shankar Singh Goutam**, Indian Army- ‘About Indian Army’, 30<sup>th</sup> November 2018.

#### Achievements - Students

• Students from Dept. of ECE participated in March-Past with Music Band held on 6<sup>th</sup> October and won 1<sup>st</sup> prize, 2018 .



• Students from Dept. of ECE attended the “Guru Kalam Memorial Talk”, held at Royal Orchid Hotel, organized by Inspire India Foundation, Bangalore, 30<sup>th</sup> October 2018.



• Five students from Dept. of ECE, Basavanagouda B, Chanadana Patel, Manunath Anawal, Srinidhi D Damal, Sharanagouda Biradar, received a scholarship award of Rs. 50,000/- each from Huawei Technologies, November 2018.



• Final Year Students of Dept. of ECE, Harish Kumar C. P, Ashish D, C. Manohara received the paper presentation certificate from Prof. Teo Yong Meng, Professor, Department of Computer Science, National University of Singapore (NUS), Singapore, IEEE International Conference held at GSSIT, Mysore, 15<sup>th</sup> December 2018.



#### Faculty who obtained Ph.D degree



**Dr. C.G. Raghavendra** has been awarded Ph.D degree by Visvesvaraya Technological University, Belagavi for his work on **"Novel Approaches for Multitone Waveform Design in OFDM Radar"**.

He registered and carried out the work in the research centre Aeronautical Development Agency, Ministry of Defense, Govt of India, Bangalore under the guidance of **Dr. N.N.S.S.R.K Prasad, Scientist 'H', ADA, Bangalore.**

### DEPARTMENT OF CHEMICAL ENGINEERING

• One Day Seminar on "Chemical Engineers & New World Technologies" on 24<sup>th</sup> November 2018 was organized by the Department of Chemical Engineering, Ramaiah Institute of Technology jointly with Poornaprajna Institute of Scientific Research and Bangalore Regional Centre, IICHE, coordinated by Prof. KA Badarinarayana and Dr. Brijesh. The program was inaugurated by Dr.

Anand B Halageri, Director, PPISR, Dr. Sunil S Shah, ModeliCon InfoTech, Dr. V. Venkatesham, Chairman BRC, IICHE. This seminar titled "Chemical Engineers & New World Technologies" was aimed to provide insight into the importance of IOT in Chemical Engineering to Students. The seminar was designed to provide an interactive platform for understanding Convergence and Divergence of IOT, IIOT, Industry 4.0 and OT. The seminar addressed current skills, such as developing Digital Twins with case studies, enhancing industrial process safety through IOT and the power of Big Data Analytics for Chemical Analysis. There were 62 participants from Department of Chemical Engineering, RIT, Siddaganga Institute of Technology and Dayananda Sagar College of Engineering. The resource persons were Dr. Sunil S Shah and Mrs. Vijaylakshmi Shah from ModeliCon InfoTech, Mr. M Sukumaran, IndustriConnect Technologies and Dr. R. Vetrivel, Faculty, Poornaprajna Institute of Scientific Research.



#### Publications in (National / International) Journals

- **A. A. Kittur, G. M. Madhu, S H Rashmi, Sowmya S R, Naveenkumar A Y** – 'Polymeric Nanocomposites for Dehydration of Isopropyl Alcohol–Water Mixtures By Pervaporation', Chemistry & Chemical Technology, Vol. 12, No. 3, pp. 310–317.
- **S.R. Sowmya, G.M. Madhu And V. Venkatesham** – 'Submerged Membrane Bioreactor For Water Purification – A Review', Pollution Research, 37 (3) : 703-713.
- **Raju, G.M., Dakshayini, B.S., Madhu, G.M., Khan, M.A. and Reddy, P.D.S.** – 'Characterizing and Modeling of Mechanical Properties of Epoxy Polymer Composites Reinforced with Bentonite Clay', Materials Today: Proceedings, 5(14), pp.28098-28107.
- **Raju, GK Mahadeva, G. M. Madhu, M. Ameen Khan, and P. Dinesh Sankar Reddy** – 'Characterizing and

Modeling of Mechanical Properties of Epoxy Polymer Composites Reinforced with Fly ash', Materials Today: Proceedings 5, no. 14 (2018): 27998-28007.

### Paper Presentation in (National/International) Conferences

• **Gowri Shankar K, Rajat Subramanian and Sravanthi V:** Paper Presentation on titled " Chlorination of Benzene" in **National Conference** on Chemical Process Simulation 2018 (NCCPS-2018) organized by FOSSEE at IIT-Bombay on 26<sup>th</sup> November 2018.

### Paper Presentation in (National/International) Conferences- Students

• **Gowri Shankar K, Rajat Subramanian** – 'Eco Friendly Method for Extraction of Natural Dye from Agro Waste',n National Conference on Advances in Process Engineering (CAPE – 2018) held at SASTRA Deemed to be University on 23<sup>rd</sup> and 24<sup>th</sup> December 2018. (Won First Prize).

• **DanwynAranha, Nihal Umesh and Rakshitha C-** 'Furfural: Synthesis of a Renewable and Adaptable Chemical from Lignocellulosic Biomass', National Conference on Advances in Process Engineering (CAPE – 2018) held at SASTRA Deemed to be University on 23<sup>rd</sup> and 24<sup>th</sup> December 2018.

• **Anusha Halageri, Glen Paul and Ananya Srinivastava** – 'Production of Aniline by Hydrogenation of Nitrobenzene', National Conference on Chemical Process Simulation 2018 (NCCPS-2018) organized by FOSSEE at IIT-Bombay on 26<sup>th</sup> November 2018.

• **Manaswini Gowtham V, Sneha S and M Sunaina Poonacha** – 'Synthesis of p-xylene by selective methylation of toluene', National Conference on Chemical Process Simulation 2018 (NCCPS-2018) organized by FOSSEE at IIT-Bombay on 26<sup>th</sup> November 2018.

• **Manaswini Gowtham V, Sneha S and M Sunaina Poonacha** – 'Production of Ethyl Chloride from Ethylene and Hydrogen Chloride Involving Recycle Stream', National Conference on Chemical Process Simulation 2018 (NCCPS-2018) organized by FOSSEE at IIT-Bombay on 26<sup>th</sup> November 2018.

• **Gowri Shankar K, Rajat Subramanian and Sravanthi V** – 'Chlorination of Benzene', National Conference on Chemical Process Simulation 2018 (NCCPS-2018) organized by FOSSEE at IIT-Bombay on 26<sup>th</sup> November 2018.

• **Gowri Shankar, Rajat Subramanian, Rakshita H, PavithraVenkataraman, Lakshmi V Sasidharan** – 'Eco Friendly and Economic Technique For Textile Sizing', in SCHEMCON 2018 organized by Institute of Chemical Technology, Mumbai during 25<sup>th</sup> to 26<sup>th</sup> October 2018.

• **Prakriti Gupta, Sudipti Easwaran, Rahul Vaidya, Mark Philip** – 'Recycling of Agricultural Waste to Produce Value Added Product',SCHEMCON 2018 organized by Institute of Chemical Technology, Mumbai during 25<sup>th</sup> to 26<sup>th</sup> October 2018.

• **G Aaditya Srinivasan, Akshith Srinivas Naidu, Dhannush S Eshwar** – 'Photocatalytic Degradation of Dye Using Visible Light and C-Doped Titanium Di Oxide" in the International Conference on Innovative and Emerging Technologies for Farming – Energy and Environment – Water (graVITas'18) held at Vellore Institute of Technology, Vellore.

### Guest Lectures – Invited

A talk was delivered by **Dr. Archana**, HOD. Department of Chemical Engineering, MSRIT, on 26<sup>th</sup> October, 2018 to the students of 5<sup>th</sup> and 7<sup>th</sup> semesters on the "Importance of competitive examinations and career opportunities".



### Industrial Visits

On 6<sup>th</sup> November, 2018, Dr. Mahendra Chinthala, Assistant Professor, Dept. of Chemical Engineering, RIT, Bangalore, along with two research scholars and 16 selected students from III, V and VII semester visited the HPCL, R&D center located at Hoskote, Bangalore.





On 23<sup>rd</sup> Nov 2018, Friday the students of 5<sup>th</sup> Semester along with faculty Dr. J Koteswararao and Mr. Sagar JS, Department of Chemical Engineering, MSRIT, visited Sami Labs Pvt. Ltd which is located in Nelamangala and Sabic Research And Technology Pvt. Ltd, located at Sarjapur, Bangalore.



Dr. Vidya Sundararajan, Head - Planning and Human Resource Management Division, Indira Gandhi Centre for Atomic Research - [IGCAR], the second largest establishment of the Department of Atomic Energy, located at Kalpakkam was invited to conduct an outreach program regarding the "Carrier opportunities in Department of Atomic Energy" on 5<sup>th</sup> December 2018, Wednesday.



### Achievements - Faculty

- K A Badarinarayana has chaired Technical Session during CHEMCON – 2018 from December 27<sup>th</sup> to 30<sup>th</sup> 2018 at NIT Jalandhar.

### Achievements - Students

- **Manaswini Gowtham V, Sneha S & M Sunaina Poonacha** has successfully completed internship under DWSIM Flowsheeting Project titled "Production of Ethyl Chloride from Ethylene Involving Recycle Stream" at IIT, Bombay.

### Faculty who obtained Ph.D degree



Dr. J Koteswara Rao has been awarded Ph.D degree by JNTUA Ananthapuram for his work on 'Structure-Property Relationship of Nanometal Oxide Filler Incorporated Polymer Nanocomposites'

He worked under the guidance of Dr. G.M.Madhu, Associate Professor, Dept. of Chemical Engineering, RIT

## DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT

### Paper presentation in (National / International) Conferences

- **Dr. C.S. Chethan Kumar** – 'Establishing a framework and smart tool for business Re-engineering in small and medium enterprises', Society of Operations Management (SOM 2018), Khozikode, Kerala, December 2018,.

- **Dr. M. Shilpa** – 'Minimization of Transportation Cost for the distribution of Domestic Purpose Cylinder Using Dijkstra's Shortest Algorithm', International Conference of Society of Operations Management, IIM, Calicut, December 2018.

- **Dr. M. Shilpa** – 'Minimization of Changeover Time in a Sticky Resin Filling Machine Using Single Minute Exchange of Die', International Conference of Society of Operations Management, IIM, Calicut, December 2018.

- **Dr. M. Shilpa** – 'Multi-objective Optimization of Machining process parameters in Wire-Cut Electric Discharge Machining of Inconel X750 Alloy by Combinatorial Approach', International Conference on "Recent advances in materials and manufacturing technologies." - Marri

Laxman Reddy Institute of Technology & Management,  
Hyderabad, November **2018**.

• **Dr. M. Shilpa** – 'Design and Analysis of Landing Gear Lug Attachment Bracket for a Small Transport Aircraft', International Conference on "Recent advances in materials and manufacturing technologies." - Marri Laxman Reddy Institute of Technology & Management, Hyderabad - 19<sup>th</sup> & 20<sup>th</sup> November 2018.

• **Sri. Sudheer. D.Kulkarni & Chethan.S** (Associate Professor, Dept. of Mechanical Engineering, ATME College of Engineering, Mysore) –'Comparative study of mechanical behavior of silicon carbide filled and boron carbide filled glass fiber reinforced vinyl ester composites', International Conference on Polymer Composites – NIT, Surathkal, December 2018,.

#### Guest Lectures – Invited



Dr. M.R. Devaraj – Consultant - "Intellectual Property Rights", 08-12-2018.

#### Industrial Visits



M/S. BEML Limited, B'lore – 17/12/2018



M/s. Fine Plastics, B'lore - 26/12/2018

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

#### Publications in (National/International) Journals

• **Sanjeetha R** – 'Mitigation of Controller induced DDoS Attack on Primary Server in HighTraffic Scenarios of Software Defined Networks', IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS) (Scopus-indexed conference), 16-19, Dec 2018, Indore.

• **Chethan C T, Jagadish S Kallimani** – 'Role of Stop Word removal in Sentiment Analysis', Third IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques, 14-15 Dec 2018, Scopus Indexed.

### DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

• The department participated in the conduction of International Conference on Controls, Circuit, Communication and Computing on October 3<sup>rd</sup> to 5<sup>th</sup>, 2018 along with other circuit branches.

#### Paper presentation in (National / International) Conferences

• **M.K.Pushpa, Anandprabhat, Priyanshi Pal** – 'Design and Implementation of Smart Helmet for Miners', Third IEEE International conference on Electrical, Electronics, Communication, Computer technologies and Optimization tech, GSSSIT, Mysuru, 14<sup>th</sup>-15<sup>th</sup>, December 2018.



• **K.M. Vanitha, Karthik Raj Shekar, Soundarya, Sahar Akhtar .Varun Uchi** – 'EMG and flex sensors controlled wireless robotic arm using embedded systems', 4<sup>th</sup> International Conference for Convergence in Technology (I2CT), SDM Institute of Technology, Mangalore 27<sup>th</sup>-28<sup>th</sup>, October 2018.

• **Christina G Danny, M Danny Raj, V.V.R Sai** – 'Ray Optics Model for Light Attenuation in U-Bent Fiber Optic Sensors', 2018 IEEE SENSORS, 1-4, 28 Oct 2018, IEEE, DOI: 10.1109/ICSENS.2018.8589694.

#### Guest lectures - invited

• **Mr. Renuka Prasad** – 'Make a difference', 26.10.2018.  
 • **Mr. Ramdas** – 'Scientific computing', 26.10.2018.

• **Dr. P.V. Ravindra**, HoD, RIT – 'Soft skill training', 23.11.2018 & 30.11.2018.

• **Mr. Shashank K**, Intel Inc, USA (Alumni of the department) – 'Career guidance', 28.11.2018.

• **Mr. Vardhan Dugar**, Microsoft Technologies, USA (Alumni of the department) – 'Soft skill and career guidance', 14.12.2018.

### DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

#### • Local Hack Day – 1<sup>st</sup> December 2018

Local Hack Day is a global Hackathon and celebration of learning, building, and sharing. This is MLH (Major League Hackathon)'s 5<sup>th</sup> year organizing Local Hack Day. The event is sponsored by github and microsoft. It had themes like Suppression of Cyber Bullying, Empowering Student and Research Community, Technology in Vigilant Governance, Technology Improving Trade and Finance. Dr. Mydhili K Nair from ISE coordinated the event. Teams from RVCE, PESIT an RIT have taken part in the event.



Winners of Local hack Day with Coordinators

#### • Virtual reality and augmented reality workshop 16<sup>th</sup> November, 2018

Department in association with Happy Mango has conducted hands on session in virtual and augmented reality. Dr. Lingaraju G M coordinated the event. Faculty and students from across the departments participated in the workshop.

A series of talks and hands on sessions were held during November and December, 2018



Participant receiving certificate from HOD, ISE and Prof. Lingaraju G M

#### • Web Development using Node.js Dec 2018

Next in the series of Student Developer Club tutorials was Node.js. A series of talks and hands on sessions were held by student developers. Students across the departments of RIT participated and interacted with each other



Mr. Hemanth, 6<sup>th</sup> sem ISE students and SDC member teaching Node.js



### Publications in (National / International) Journals

**Kumaraswamy S, Mydhili K Nair** – “Virtual Machine Placement in Distributed Cloud Centers using Bin Packing Algorithm”, Inderscience International Journal of Grid and Utility Computing, Special Issue on Resource Provisioning in Cloud Computing, Volume 9, Issue 4, pp.396 - 403, Oct, 2018.

**Srinidhi H, Siddesh G M, K G Srinivasa, Anoop P** – “Semi-Structured Data Analysis and Visualization using Nosql Database”, International Journal of Big Data Intelligence (IJBDI), Vol.No. 5, Issue No.3, pp. 133-142, Nov 2018

### Paper Presentation in (National / International) Conferences

**Naresh E, Vijaya Kumar B P, Prashanth Kambli** – “Share Price Prediction using Machine Learning Technique”, 3<sup>rd</sup> International Conference on Circuits, Control, Communication and Computing, RIT, Bangalore, October 2018

**Naresh E, Vijaya Kumar B P** – “Survey on Test Generation using Machine Learning Technique”, 15<sup>th</sup> World Conference on Applied Science, Engineering and Technology, Goa, dec, 2018

### Achievements – Faculty

**Dr. Naidila Sadashiv** – is awarded seed money for research under young scientist category from VGST for the financial year 2017-2018.

### Achievements – Students

**Sahana Hegde** from final year won SkyLine , Step into Spotlight, Singing Competition a State Level event and is awarded cash prize of 25K October, 2018.

**Subhojit, Vaibhav, Biswajit** from 3<sup>rd</sup> year won 5<sup>th</sup> place in Ingenious Hackathon in November 2018.

**Vaibhav, Sadanand, Subhojit** from 3<sup>rd</sup> year won Challenger award in Rackathon held during Dec, 2018.

**Piyush, Shyam, Biswajit** won Smart Odisha Hackathon and awarded with the cash prize of 93K. Event was held during October, 2018 .



• **Mr. Divyansh Lohia** 7<sup>th</sup> Sem ISE - for scoring an exceptionally high percentile 333/340 in GRE Verbal (170) and Quant (170). His scores and world-wide percentiles are:  
Verbal - 164/170 -- 94<sup>th</sup> Percentile  
Quant - 169/170 -- 96<sup>th</sup> Percentile

## DEPARTMENT OF MEDICAL ELECTRONICS

• Organized “1<sup>st</sup> IEEE EMBS International Student Conference 2018 India” from 19/12/18 to 21/12/18

### Publications in (National / International) Journals

• **Shivarudrappa Raghu , Natarajan Sriraam etal** – ‘ A novel approval for real-time recognition of epileptic seizures using minimum variance modified fuzzy entropy’, IEEE trans on Biomedical Engineering Vol 65, issue 11, pp. 2612-2621, November 2018.

• **N Sriraam** – ‘Multichannel EEG based inter-ictal seizures detection using teager energy with back propagation neural network classifier’, Australasian Physical and Engineering Sciences in Medicine, Vol.41, issue 4, 1047-1055 December 2018.

### Paper presentation in (National /International) Conferences

• **Uma Arun, N Sriraam** – ‘A Novel IoT Cloud-based Real-Time Cardiac Monitoring Approach using NI myRIO-1900 for Telemedicine Applications’ ,International Conference,I4C2018, 05.10.18.

• **Tejaswini S, N Sriraam, Pradeep G C M-** ‘Cloud-Based Framework for Pain Scale Assessment in NICU-

A Primitive Study with Infant Cries', International Conference, I4C2018, 05.10.18.

#### Guest Lecture delivered by the department faculty

• **Dr. N Sriraam**- "Clinical Engineering": A new dimension in Healthcare" as a part of IEEE standards of EMBS workshop on Technology trends and advancement in Healthcare , Canara College of Engg.- Mangalore, 17.11.2018

• **Dr.C.K.Narayanappa**- "Engineering Electromagnetics" Department of Telecommunication Engg., SJCT, Chikkaballapur, 19.11.2018

• **Dr. N Sriraam**- "A frame work for identification of Biomarker for mass scientists of population and risk of development of neuro generative disorder organized by Holland network during the session on e Health Innovation to shape future f healthcare by Netherlands (as part of Bangalore Tech Summit 2018)", Bangalore palace, 30.11.2018.

• **Dr. Vani Damodaran** – "Biomedical Optics and Instrumentation conducted by Department of Applied Mechanics", and conducted a demo session at the AICTE QIP STTP (Short-term training Programme), IIT Madras, 03.12.18

• **Dr. Basavaraj V Hiremath**- "Breast cancer Detection using SVM Classifier", the workshop titled "Analysis of Biomedical Signals and their Mathematical Modeling" organized by the Department of Electronics and Instrumentation, SJCE, Mysuru, 28.12.18

### DEPARTMENT OF TELECOMMUNICATION

#### Publications in (National / International) Journals

• **Parimala P, Raol J. R** – 'Image-Centroid Tracking with Fuzzy Nonlinear Function of Residuals Based Observer', Journal of Institute of Engineers India Ser. B (2018) 99:pp 441-450, October, 2018, ISSN:22502106 <https://doi.org/10.1007/s40031-018-0341-9>, Springer India. Scopus indexed.

• **Arvindkumar, Ashok Kusagur** – 'Adaptive Noise Detection using texture feature extraction and Random Forest classification', International Journal of Intelligent Engineering Systems, Vol.11, No.5, 2018 DOI: 10.22266/ijies 2018.1031.24 Scopus (Q4journal).

#### Guest Lectures - Invited

• **Dr. Ramakrishna Pasumathy**, Associate professor, Dept of Electrical Engineering, IIT Madras – 'Machine Learning and its Applications in IOT', 5<sup>th</sup> October, 2018.

• Experts from Triumphant Institute of Management Education Pvt. Ltd. (T.I.M.E), Hyderabad – 'Career Guidance for Higher studies abroad and India', 12<sup>th</sup> October 2018.

#### Faculty who obtained Ph.D degree



**Dr. Umesharaddy** has been awarded Ph.D degree by Visvesvaraya Technological University, Belagavi for his work on "Performance Improvement of QPSK Modem in

VLSI" He worked under the guidance of **Dr. B K Sujatha**, Professor and Head, Dept. of TCE, RIT, B'lore.

### DEPARTMENT OF BIOTECHNOLOGY

• The Department of Biotechnology, RIT in association with COMSOL Multiphysics Pvt. Ltd., Bengaluru a conducted a technical Workshop on "COMSOL Multiphysics Module: Teaching & Research" on 26<sup>th</sup> October 2018



• An industrial Visit to ReaGene Biosciences Pvt Ltd, Bengaluru was organized on 13<sup>th</sup> November 2018.



• An industrial Visit to Centre for Cellular and Molecular Platforms (C-CAMP), Bengaluru was organized on 26<sup>th</sup> December 2018.



### Publications in (National / International) Journals

• **Dr. Prabha M** – 'Hydrolytic Enzymes Targeting to Pro-drug/drug Metabolism for Translational Application in Cancer Medwin Publications', – J Clin Sci Trans Med 2018, 1(1): 000102, Article ID: JCSTM-RW-18-102.

### Paper presentation in (National / International) Conferences

• **Dr. Sravanti V**- 'Oral Cavity; Body's Mirror of Health and Disease', National Conference on Advances & Innovations in Biotechnology: Multidisciplinary approaches to Food, Health, Environment and Energy Issues & annual Meet of Society for Biotechnologists India (SBTI), 15 Nov 2018, Dayananda Sagar University, Bangalore.

### Guest Lecture- Invited

• **Mr. Jagadish Bennale**, BD, India, M2b-Labs GmbH Germany – 'Microfluidics Based High Throughput Fermentation Technology', 5<sup>th</sup> October 2018.



• Dr. S. Ramgopal Rao, Academic Manager, Biocon Academy, Bengaluru – 'IPR-Patents in Biotechnology and Career opportunities in Biotechnology Industry', 26<sup>th</sup> October 2018.



• Dr. Subramanyam Vangala, Chief Executive, ReaGene Biosciences Pvt Ltd, Bengaluru – 'Development of 3D Cell Culture Models for Drug Testing', 2<sup>nd</sup> November 2018.





• Dr. Raghuveer Ramachandra, Galore Tx Pharmaceuticals Pvt Ltd Bangalore – 'Development of 3D Cell Culture Models for Drug Testing', 17<sup>th</sup> November, 2018.



• Dr. B.E. Amitha Rani, Principal Scientist, CSIR-National Aerospace Laboratories, Bengaluru – 'Development of 3D Cell Culture Models for Drug Testing', 27 Nov 2018.



• Dr. Vishal Bharadwaj, Centre for Cellular and Molecular Platforms (C-CAMP), (Dept. of Biotechnology, Govt. of India Initiative), Bengaluru – 'C-CAMP open house', 30<sup>th</sup> Nov 2018



• Dr. S. Chandrashekar, Managing Director, GeNei Laboratories Pvt Ltd, Bengaluru – 'Technology Platforms in Biotechnology', 7<sup>th</sup> Dec 2018.



• Prof. Sathees C. Raghavan, Professor, Department of Biochemistry, Indian Institute of Science, Bengaluru – 'Novel Inhibitors for DNA- repair mechanism', 11<sup>th</sup> December 2018.



#### Guest Lecture delivered by the department faculty

• **Dr. Chandra Prabha MN**, gave an invited Lecture on 'Functional Nanomaterials – A Boon to Scientists', during the Lecture Series on 'Nanomaterials' organised by IWSA (Indian Women Scientists Association), Bangalore, 28<sup>th</sup> December 2018.

#### Funded projects

• **Dr. Bindu S & Dr. Dhamodhar P** – 'BiSEP 2017 (Biotechnology Skill Enhancement Programme) Domain: Biopharmaceutical Technology', KBITS (ongoing), Govt. of Karnataka.

**Grants : 162.5 Lakhs**

• **Dr. Chandraprabha M.N & Mrs. Sanchita Sharma** – 'Enhanced Production of Indian (Precursor of Indigo Dye) from cell suspension culture of Indigofera tinctoria and its up-scaling through bioreactor', DST(ongoing).

**Grants: 23.72 Lakhs.**

### Achievements - Students

• **Adithi Sundaresh & Megha Balachandra** won 4<sup>th</sup> position & Harini N and Vibha S, won 3<sup>rd</sup> position in Karnataka BioQuiz (organized by INDIABIO @ Bengaluru Tech Summit 2018) - held at PESU on Nov 14<sup>th</sup> 2019.

• **Adithi Sundaresh, Megha B & Anusha A** won 1<sup>st</sup> prize in Central Dogma, 'Helix' held at RVCE on 23-24<sup>th</sup> Nov 2019.

• **Adithi Sundaresh, Megha Balachandra, Harini N, Naela, Ankita** participated in Carnegie India workshop on Biotechnology Research: Balancing Safety and Innovation held at Leela Palace on 17<sup>th</sup> December 2018, organized by Knowledge Transfer @ Carnegie India Initiative).

• **Adithi Sundaresh & Vidyashree**, V semester, stood in top 5% in NPTEL Functional Genomics exam.

### DEPARTMENT OF MATHEMATICS

#### Publications in (National / International) Journals

• **S. Ramprasad, S.H.C.V. Subba Bhatta, B. Mallikarjuna** – 'Slip effects on MHD Convective Two-phase particulate suspension flow in a Divergent channel', Defect and Diffusion Forum, Vol 388, 303-316. October 2018.

• **S. Ramprasad, S.H.C.V. Subba Bhatta, B. Mallikarjuna** – 'Slip effects on MHD Convective Two-phase particulate suspension flow in a Convergent channel', International Journal of Engineering & Technology, 7(4.10), 2018, 661-665.

• **Nagaraj C, Dinesh P. A. and Kalavathi G. K** – 'Combined Effects of Electric Field and Magnetic Field on Electro Hydrodynamic Dispersion of Macromolecular Components in Biological Bearing', Defect and Diffusion Forum, Vol. 388, pp.361-377, 2018

• **G. Neeraja, Dinesh P. A., C. S. K. Raju, K. Vidya, B. Rushi Kumar** – 'MHD Casson fluid in a suspension of convective conditions and cross diffusion across a surface of paraboloid of revolution', Alexandria Engineering Journal, online available, Nov. 2018.

• **Satish Kumar, Sandeep N, Rushi Kumar B and Dinesh P. A** – 'A comparative analysis of Magnetohydrodynamics non-Newtonian fluids flow over an exponential stretched sheet', Alexandria Engineering Journal, Vol. 57, 2093-2100, 2018.

#### Guest Lecture - Invited

**Dr. B. Mallikarjuna** Asst. Prof. Dept. of Mathematics, BMSCE, Bengaluru - 'Introduction to Spectral Method'. 02/11/2018.

### DEPARTMENT OF CHEMISTRY



• 'Rashtriya Ektha divasa' was celebrated at department of chemistry (on 31-10-2018) to tribute Sri. Sardar Vallabhbhai Patel, who was instrumental in keeping India United. Ektha divasa is celebrated every year since 2014 as an annual commemoration of the birthday of the Iron Man of India Sri. Sardar Vallabhbhai Patel.



• Guest Lecture on the topic 'Affinity Chromatography and its applications' by Dr. Suresh Kumar, Professor, Chemical Engg. SIT, Tumkuru on 21<sup>st</sup> December, 2018.



• On 18<sup>th</sup> November -2018, Kannada Rajyotsava was celebrated at the department of chemistry in association with Luminescence Society of India: Karnataka Chapter (LSIKC) and Swadeshi Vignana Andolana, Karnataka (SVAK).



• In association with R & D center, Department of Chemistry, RIT; LSIKC conducted a program called 'Interaction with Scientist' in which Prof. K C Patil (Retd.), Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore participated and interacted with research scholars on the topic 'Latest developments in Solution combustion process' on 19.11.2018.



• Members of Luminescence Society of India: Karnataka Chapter (LSIKC) visited SJCE, Mysore and interacted with M.Tech. students (Polymer Science), 26-10-2018.



• 'Knowledge Sharing with Villages/Formers', innovative Outreach Program was conducted by Luminescence Society of India: Karnataka Chapter (LSIKC) related to protection of Nature, Agriculture (Chemical free) and Farmers. Under this program LSIKC members interacted with farmers at T. Belalam- village, Tamil Nadu on 04-11-2018.

### Publications in (National / International) Journals

• **Nagaraju Kottam, R Hari Krishna, B.M. Nagabhushana** – 'Removal of malachite green from aqueous solution by magnetic CuFe<sub>2</sub>O<sub>4</sub> nano-adsorbent synthesized by one pot solution combustion method' Journal of Nanostructure in Chemistry, 2018, pg:1-12.

• **Nagaraju Kottam, B.M. Nagabhushana** – 'An Excellent Photocatalytic Efficiency of ZnO under Visible Light for fast Removal of Organic Pollutant from aqueous solution', Materials Today: Proceedings - 5, 2018 Pg: 20849-20857.

• **B.M. Nagabhushana** – 'Comparative study of photoluminescence of single and mixed phase ZrTiO<sub>4</sub> prepared by solution combustion and polymeric precursor method', Journal of Molecular Structure, 2018, 1179.

• **R. Hari Krishna** – 'Moss-Burstein effect in stable, cubic ZrO<sub>2</sub>: Eu<sup>3+</sup> nanophosphors derived from rapid microwave assisted solution- combustion technique' Materials Research Bulletin, 2018, 98.

• **Nagaraju Kottam** – 'Electrocatalytic Performance of a Zinc sulphide Nano particles modified carbon paste electrode for the simultaneous determination of acetaminophen guanine and adenine', Analytical Methods, 2018, 1362-1371.

• **R. Hari Krishna, Nagaraju Kottam** – 'Green and Cost Effective Synthesis of Fluorescent Carbon Quantum Dots for Dopamine Detection' Journal of Fluorescence – Volume 28, Issue 2, pp 573-579.

• **R. Hari Krishna** – 'CdSiO<sub>3</sub>: Eu<sup>3+</sup> nanophosphor: One pot synthesis and enhancement of Orange-red emission through Li<sup>+</sup> co-doping', Journal of Materials Science: Materials in Electronics. 16-06-2018 | Issue 15/2018.

• **R. Hari Krishna** – 'The effects of PVAc on surface morphological and electrochemical performance of



P(VdF-HFP)-based blend solid polymer electrolytes for lithium ion-battery applications', Accepted and available online : 11 Aug 2018 <https://doi.org/10.1007/s11581-018-2679-z>

• **P. Murali Krishna**- 'Synthesis, structural studies, molecular docking and DNA binding studies of 4N-substituted hydrazinecarbothioamides' Journal of Molecular Structure, 1175 (2019) 97-104.

• **B.M. Nagabhushana**- 'Precursors effect: Photo conversion from UV to green/yellow in willemite nano phosphors', International Journal for Light and Electron optics, Volume 173, November 2018, Pages 88-96.

• **Sharanabasappa B. Patil** - 'Synthesis and Antimicrobial Activity of Novel Coumarone Analogues', International Journal of Pharmaceutical Sciences and Research IJPSR, 2019; Vol. 10(2): 960-965.

• **Sharanabasappa B. Patil** – 'Biological and Medicinal Significance of Pyrimidine's: A Review' International Journal of Pharmaceutical Sciences and Research, 2018; Vol. 9(1): 44-52, DOI: 10.13040/IJPSR.0975-8232.

#### Paper presentation in (National/International) conferences

• **S. B. Patil** - 'Effectiveness of Blended Biodegradable Oils as Quenchants' (ICRRETMCE MEM050), 3<sup>rd</sup> International Conference on Recent Advances in Emerging Sciences (ICRAES-2018) 26<sup>th</sup> & 27<sup>th</sup> September 2018, held at Ramaiah Institute of Technology, Bangalore.

• **S. B. Patil** - 'Evaluation of Mechanical Properties of Aluminum 6061 Using Biodegradable Oils as Quenching Media' (ICRRETMCE MEM050), 2<sup>nd</sup> International Conference on Recent Research Emerging Trends in Mechanical and Civil Engineering (ICRRETMCE -2018) 13<sup>th</sup> & 14<sup>th</sup> July 2018, held at School of Mechanical Engineering, REVA University, Bangalore.

• **Nagaraju Kottam** - 'Bio-derived ZnO nanoparticles as an efficient catalyst for photocatalytic activity and biodiesel production'. AIP Conference Proceedings - 1992, 030004; <https://doi.org/10.1063/1.5047955>. 1-4. ISSN: 0094-243X. Publisher: American Institute of Physics (United States), 2018'.

#### Guest Lectures delivered by department faculty

• **B. M. Nagabhushana** – 'Inaugural talk on 'Modern Education and its impact on society' and chief guest for the function' Inaugural speech in 'Three day- Science Exhibition', Indu School, Kotturu, Bellary Dist, 27-12-2018.

• **B. M. Nagabhushana** – 'Safe Drinking Water for Rural People' Aravadi - Village, Kudligi Taluk, Bellary Dist on 25-11-2018.

• **B. M. Nagabhushana** – 'Sustainable agriculture for sustainable life' at Chandrashekar Pura - Village, Kudligi - Taluk, Bellary Dist, 23-11-2018.

• **B. M. Nagabhushana** – 'Polymer- composites for technological applications', SJCE, Polymer Science department. Mysore, 26-10-2018.

### DEPARTMENT OF PHYSICS

#### Paper presentation in (National/International) conferences

• **Dr. Kalpana Sharma and Dr. Raveendra Melavanki** – 'Effect of contact and collisional quenching model on 2-Bromophenyl boronic acid using positive deviation S-V Plots', poster session of Third International Conference on Advances in Materials Science (ICAMS-2018) organised by Post-Graduate Department of Physics, Raje Ramrao College, Jath, during 27-29 December 2018.

• **Dr. Raveendra Melavanki and Dr. Kalpana Sharma** – 'Analysis of pure collisional quenching of 2-Isopropylphenyl boronic acid using Linear S-V Plots', Third International Conference on Advances in Materials Science (ICAMS-2018) organized by Post-Graduate Department of Physics, Raje Ramrao College, Jath, during 27-29 December 2018.

• **Dr. Raveendra Melavanki** – 'Solvent Effect on the Relative Quantum Yield and Preferential Solvation of Biologically Active Coumarin Derivative', poster session of Third International Conference on Advances in Materials Science (ICAMS-2018) organized by Post-Graduate Department of Physics, Raje Ramrao College, Jath, during 27-29 December 2018.

### Guest Lectures-Invited

• **Dr. S.P. Basavaraju**, Professor, Department of Physics, BIT, Bangalore- 'Early History of Quantum Mechanics', 08 – 12 – 2018.



### DEPARTMENT OF COMPUTER APPLICATIONS

• Department conducted Workshop on "Advanced Web Development with Angular JS and Node JS" for MCA students by Shadab Ahmed Distinguished Alumnus. 13<sup>th</sup> October 2018.

### Publications in (National /International) Journals

• **Dr. Niranjanamurthy M, Sushanth Navale, Dr. Jagannatha S, and Suresha Chakraborty** - "Functional Software Testing for Web Applications in the Context of Industry" Journal of Computational and Theoretical Nanoscience. DOI: 1546-1955/2018/15/001/007 (SCOPUS Indexed Journal) ISSN: 1546-1955 (Print): EISSN: 1546-1963 Vol. 15, 1–7, Issue Nov/Dec 2018.

• **Dr. Jagannatha S, Dr. Niranjanamurthy M, and P. Dayananda** - "Algorithm Approach: Modelling and Performance Analysis of Software System" published in Journal of Computational and Theoretical Nanoscience, (SCOPUS Indexed Journal) ISSN: 1546-1955 (Print): EISSN: 1546-1963, Vol. 16, 1–9, Issue Nov/Dec 2018.

• **Kimmi Kumari, M. Mrunalini** – "A Survey on Bigdata Security: Issues, Challenges and Techniques", International Journal of System and Software Engineering, 6 (2), PP:23-36, December 2018

• **Dr. Madhu Bhan, Dr. K. Rajanikanth, Dr. T. V. Suresh Kumar** -"Performance Assessment of Object Oriented OLAP" International Journal of System and Software Engineering, ISSN Number: 2321-6017, Volume 6 Issue 2 Dec 2018

• **S. Ajitha, T. V. Suresh Kumar** -"Assessing performance of agents in M: an experimental Study, International Journal of Advanced Research in computer science, Volume 9, No. 5, ISSN No. 0976-5697, September-October 2018.

### Paper presentation in (National /International) Conferences

• **K. Sailaja Kumar, D. Evangelin Geetha, T. V. Suresh Kumar**-"A Study on Discontinuity Pattern in Online Social Networks Data Using Regression Discontinuity Design" Third International Conference on Intelligent Information Technologies, ICIIT, Chennai, published in Springer Advances in Data Science. 11<sup>th</sup>– 14<sup>th</sup> December 2018.

• **S. Ajitha, Goutham Rao**-"Agro-Farming an Android based Smart Approach", Second International Conference on Advancements in Automation, Robotics and Sensing (ICAARS-2018) at PSG college of Technology, Coimbatore, 14<sup>th</sup> -15<sup>th</sup> December 2018.

### Guest Lecture delivered by department faculty



Technical Talk on Software Testing using Selenium at Bangalore University

• **Dr. Niranjanamurthy M**, - Delivered at technical talk on "Software Testing using Selenium" to the staff of Colleges/ Universities across the Country who are teaching both UG/PG courses in computer Science, organized by the Human Resource Development Center, Bangalore University on 12/12/2018.



Technical talk on "Emerging Computer Technologies" at DAVV University, Indore.

- **Dr. Niranjana Murthy M,**- Delivered a technical talk on "Emerging Computer Technologies" at DAVV University, Indore, Madhya Pradesh, 24<sup>th</sup> – 25<sup>th</sup> November 2018.



Technical talk on "Software Testing –Automation" at BMSIT, Bangalore.

- **Dr. Niranjana Murthy M,**- Delivered a technical talk on "Software Testing –Automation" at BMS Institute of Technology & Management, Bengaluru-560064 13<sup>th</sup> Oct 2018.



Technical talk on "Amazon web services" at P E S College of Engineering, Mandya

- **Dr. Jagannatha S**- Delivered a technical talk on Amazon web services for one-day workshop on cloud computing using amazon web services organized by the

Dept of Computer Applications, P E S College of Engineering, Mandya on 15<sup>th</sup> Nov 2018.

- **Dr. Jagannatha S** - Delivered a technical talk on the Cloud computing and its challenges and limitation to the staff of Colleges/ Universities across the Country who are teaching both UG/PG courses in computer Science, organized by the human Resource Development Center, Bangalore University on 12/12/2018.

- **Dr. Manish Kumar** delivered invited talk on "Secure and Ethical Use of IT Systems" at Bangalore University, Bangalore, on 22<sup>nd</sup> December 2018.

- **Dr. Manish Kumar** delivered a talk on "Social Media and Banking Fraud" for the trainee district judges at Karnataka Judicial Academy, Bangalore, on 1<sup>st</sup> December 2018.

#### Achievements - faculty

- **Dr. S Jagannatha S**- Session chair for the 3rd International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS - 2018), at R V College of Engineering, Bengaluru 560059, Karnataka, India. Technically Co-Sponsored by IEEE Bangalore Section. held On December 20<sup>th</sup>, 21<sup>st</sup> and 22<sup>nd</sup> 2018

#### Funded project

**Dr. T V Suresh Kumar, Dr. M Mrunalini, Dr. Manish Kumar** are CO-PIs of DST Sponsored project "Development of Prosumer Driven Integrated Smart Grid";  
**Grant : Rs. 33,32,000/-**

## DEPARTMENT OF BUSINESS ADMINISTRATION

#### Publications in (National /International) Journals

- **Dr. P.V. Raveendra** - "Role of Tourism in the development of the Indian Economy: A strategic approach" has been published in ABDC (Q3) as well as NIRF listed journal titled "International Journal of Economic Research", November-2018. Volume 15, Number 3, 2018, ISSN : 0972-9380.



• **Dr. A.Mahalakshmi**- "Effects of Natural Calamities on Financial performance of banking JETIR Oct 2018, Vol 5, Issue 10, ISSN: 2349-5162.

• **Dr. S.Santhosh Kumar**- "Role of Tourism in the development of the Indian Economy: A strategic approach" has been published in ABDC (Q3) as well as NIRF listed journal titled "International Journal of Economic Research", November-2018. Volume 15, Number 3, 2018, ISSN : 0972-9380

• **Dr. S.Santhosh Kumar** - A Study on the Green Supply Chain Practices among the SMEs in Karnataka" has been published in ABDC (Q4) as well as NIRF listed journal titled "International Journal of Applied Business and Economic Research, November-2018 Volume 16, Number 3, 2018, ISSN : 0972-7302

• **Mrs. S.B.Rashmi**- "Cashless Transaction –A Literature Review", IJMTE, Vol 8, Issue XI, Nov 2018. ISSN: 2249-7455

• **Dr. Adarsha.K** - A Study on the Green Supply Chain Practices among the SMEs in Karnataka" has been published in ABDC (Q4) as well as NIRF listed journal titled "International Journal of Applied Business and Economic Research, November-2018 Volume 16, Number 3, 2018, ISSN : 0972-7302 available.

• **Dr. Vaijanath Babshetti**- "Effects of Natural Calamities on Financial performance of banking JETIR Oct 2018, Vol 5, Issue 10, ISSN: 2349-5162.

#### Paper presentation in International /National Conferences:

• **Mrs. S.B. Rashmi** - "Cashless Transaction –A Literature Review"-2<sup>nd</sup> International Conference on Emerging trends in Science, Engineering and Management (ICETSEM-2018) at Mahratta Chamber of Commerce Industries and Agriculture, Senapati Bapat Road, Pune on 25-11-18.

#### Guest Lectures Invited

• **Mr. Joel Rostan D'souza**, E & Y, Assistant Manager-Campus Program-" How to Face Interview" on 03-10-2018.

• **Mr. Mahesh Pavan.S**, IBM, Bangalore-" Motivation: Transformation to Success" on 10-10-2018

• **Mr. Fardeen Sayeed**, Marketing Consultant-" Media and its role in Marketing" on 26-10-2018

• **Mrs. Bharathi Singh**, Director, Samudra Foundation-" Goal Setting" on 31-10-2018

• **Pratyusha Sarkar**, Communication Consultant-" Public Relations and Publicity" on 17-11-2018.

#### Achievements - Students

• **Mr. Mohammed Younus Shariff** had participated in the Best Manager Event during "PARADIGM'18", A key to an open mind held at MP Birla Institute of Management, Bengaluru on 20<sup>th</sup> & 21<sup>st</sup> December 2018.

• **Mr. Mohammed Tanveer Khan** had participated in "PARADIGM'18", A key to an open mind held at MP Birla Institute of Management, Bengaluru on 20<sup>th</sup> & 21<sup>st</sup> December 2018.

• **Mr. Abhilash Pradhan** had participated in Marketing event during "PARADIGM'18", A key to an open mind held at MP Birla Institute of Management, Bengaluru on 20<sup>th</sup> & 21<sup>st</sup> December 2018.

• **Mr. Sumanth. C.Y** had participated in Marketing event during "PARADIGM'18", A key to an open mind held at MP Birla Institute of Management, Bengaluru on 20<sup>th</sup> & 21<sup>st</sup> December 2018.

• **Mr. Mithun.D.G** had participated in Marketing event during "PARADIGM'18", A key to an open mind held at MP Birla Institute of Management, Bengaluru on 20<sup>th</sup> & 21<sup>st</sup> December 2018.

• **Ms. Rupal Sharma** had participated in Business Quiz event during "PARADIGM'18", A key to an open mind held at MP Birla Institute of Management, Bengaluru on 20<sup>th</sup> & 21<sup>st</sup> December 2018.

• **Mr. Venkatesh.N** had participated in Business Quiz event during "PARADIGM'18", A key to an open mind held at MP Birla Institute of Management, Bengaluru on 20<sup>th</sup> & 21<sup>st</sup> December 2018.

### Faculty who obtained Ph.D degree



**Dr. Vaijanath Babshetti** has been awarded Ph.D degree by Visvesvaraya Technological University, Belagavi for his work on "Evaluation of Derivative trading in selected agricultural commodities-A study of stakeholders in Karnataka". He worked under the guidance of **Dr. Prakash Basanna**, Professor, Department of Management Studies, Nagarjuna College of Engineering & Technology Bangalore.

## SCHOOL OF ARCHITECTURE

- **Ar. Lavanya Vikram, Ar. Meghana Raj, Ar. Deepthi C.B.-** Nature Walk conducted for the induction programme of M.Arch students, Ramaiah Institute of Technology, 3<sup>rd</sup> Oct. 2018. Coordinator- Prof. Rajshekhar Rao.
- Meditation and Yoga workshop conducted by Mrs. Lakshmi on 3<sup>rd</sup> Oct. 2018 as part of the induction program for M.Arch students. Coordinator- Prof. Rajshekhar Rao.
- **Ar. Khushboo S Jain-** Workshop on Hydroponics and Aquaponics in Sustainable Landscape on 3<sup>rd</sup> Oct. 2018 for M.Arch students organized by Asst. Prof. Aishwarya Yoganand Convener- Prof. Rajshekhar Rao
- **Amitha Mani Yaganagi** - Workshop on Personality Development on 4<sup>th</sup> Oct 2018 for M.Arch students organized by Prof. Rajshekhar Rao and Assoc. Prof. Surekha Ramineni.



- Samrudhi Sridharan- Heritage Walk to understand Greek Influence in Architecture on 10<sup>th</sup> Nov. 2018 for 1<sup>st</sup> Year B.Arch students organized by Asst. Prof. Apoorva Lakshmi Ragi.

- Site Visit on 13<sup>th</sup> Oct. 2018 to the Plywood Manufacturing factory organized for 7<sup>th</sup> Semester students as part of wood work in Interiors. Co-ordinator- Assoc. Prof. Tejaswini Harish.



- Site Visit on 17<sup>th</sup> Oct.2018 to Jyothi Timbers for 2<sup>nd</sup> semester students to learn the different types of wood joinery details as part of Building Construction class. Coordinators- Assoc. Prof. Sudha Kumari, Asst. Prof. Aishwarya Yoganand.



- **Ar. Meghana K Raj** attended a Conference was held on the 15<sup>th</sup> of December 2018 by the IIA Chapter .The conference was on "Rethinking Design" and it started with a keynote introduction by Landscape Architect Nina Chandavarkar. She explained about the role of landscape architects in today's projects as well as the importance of ISOLA body.

### Guest Lectures - Invited

- **Ar. Sujith Nair, Aruna Sujith and Ar. Krupa-** Urban Design, Urban Planning and Conservation on 4<sup>th</sup> Oct 2018 for B.Arch 7<sup>th</sup> Sem Students as part of the "Way Forward" series for Elective and Thesis. Organized by Prof. Pushpa Devanathan, Assoc. Prof. Sudha Kumari and Asst. Prof. Divya Sussana Ebin





• **Ar. Prasad G-** Lake Rejuvenation, Handling Slopes at Steep Terrain at Thirumala Hills on 5<sup>th</sup> Oct 2018 for M.Arch PG students- Organized by Prof. Rajashekar Rao.

• **Ar. Khushboo S Jain** - Digital Architecture on 30<sup>th</sup> Nov. 2018 for 3<sup>rd</sup> and 4<sup>th</sup> year B.Arch students organized by Asst. Prof. Aishwarya Yoganand and Asst. Prof. Kusum Singh.

• **Ar. Jobin Verughese** - Importance of Zoo Designing on 5<sup>th</sup> Dec. 2018 for M.Arch Students organized by Prof. Rajashekar Rao and Asst. Prof. Ranjitha Govindaraj

• **Dr. Shuchismitha Dey** - Value of Ecosystems in Landscape Architecture on 26<sup>th</sup> Dec 2018 organized by Assoc. Prof. Meghana K Raj

#### Guest Lecture delivered by the department faculty

• **Dr. Rashmi Niranjana** - Rendering Techniques for Landscape on 1<sup>st</sup> Oct 2018 for M.Arch Landscape students orientation. Organized by Prof. Rajashekar Rao.



#### Achievements - Students

• The students of the School of Architecture, RIT participated in VIVARTA- ZONASA Convention hosted by Siddhaganga Institute of Technology, Tumkur. The convention hosted 1500 students from 43 colleges.



The student delegation at SIT, Tumkur.

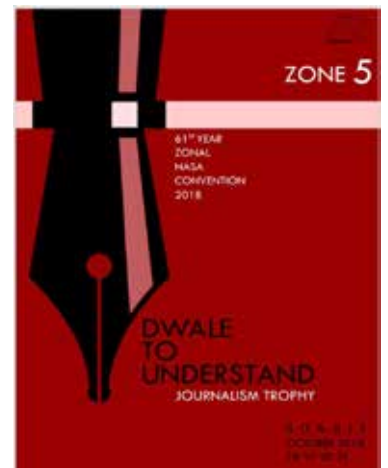
• SOA, RIT was represented by a delegation of 47 students across all semesters, Unit Secretary, Unit Designee and accompanied by Asst Prof. Yashas Hegde and Asst Prof. Theju Gowda. The students participated in various events, workshops and seminars during the convention.

The delegates also competed in diverse trophies such as :

- College Trophy – Special Mention (3<sup>rd</sup> place)
- Reubens Trophy – shortlisted in top 8



Journalism Trophy – Winners



Dance Trophy– Shortlisted in top 8





Apart from these, they won 8 formal, multiple informal and casual events.

- Sharadhi Srinivas of 6<sup>th</sup> semester 'T' section participated in the dance Competition and was placed Second out of 19 groups in the Beach Festival 2018 held in Mangalore on December 29<sup>th</sup> 2018. She was part of a group of 10 students who identify themselves as 'Dancing Stars of Sharada'



## NATIONAL SERVICE SCHEME

"Vision" was conducted on 4<sup>th</sup> October, 2018 in order to help the students realize the importance of eyesight and make them aware of eye donations.

The event consisted of students doing simple day to day tasks, blindfolded, to help them realize that trivial everyday tasks can also be difficult for people lacking eyesight.



## SALVAGE

In an age where waste is increasing and methods of re-use is of least concern, we conducted an Induction program named "Salvage". Our main aim was to teach the young minds how to reuse waste paper, plastic bottles, T-shirts and the like. We started by introducing the main

objective of the event and we then divided the first years into batches of 5 and each batch was accompanied by an NSS volunteer to guide and help them.



## ORPHANAGE AND OLD AGE HOME VISIT

We had organized an orphanage and old age home visit on 14<sup>th</sup> October, 2018 during which all the teams visited several orphanages and old age homes around college. The pre-visit activities included collection of necessary donations that were handed over to the respective in-charges on the day of the visit.

1	Need Base India, Jalahalli
2	Sri Rama Elders' Ashram, Malleshwaram
3	Greater Hope Orphanage, R T Nagar
4	Sparsha Trust, Sahakarnagar
5	KalparakshaSevashrama, Mahalakshmi Layout
6	RaghavendraVrudhashram
7	Sri Rama Elders' Ashram, Malleshwaram
8	Vallabhanikethan
9	KalpaRakshaSevashram
10	JMJ Old age, Mahalakshmi Layout
11	Sree Old age Home





Photo visited several orphanages and old age homes around college

### AATMARAKSHA

Nothing feels better than knowing you can take care of yourself mentally and physically. However, for a lot of people, the physical part is just exercise. Being able to protect yourself in all situations is a confidence booster as much as it is a reassurance. A reassurance that can only be gained through any form of self-defense training. On account of Rashtriya Ekta Diwas, celebrated on the 31<sup>st</sup> of October every year, to mark the birth anniversary of Sardar Vallabhbhai Patel, we had organized an event named "AATMARAKSHA" to highlight the importance of being equipped with the basic skill sets to protect ourselves from various unforeseen situations.



### 21<sup>ST</sup> ANNUAL BLOOD DONATION CAMP

The 21<sup>st</sup> Annual NSS RIT Blood Donation Camp was organised on the 6<sup>th</sup> of December 2018. The event took place in the ESB Basement of our college from 9:00 am to 5:00pm. There were 13 blood banks that joined hands with us in the collection drive this year.

The inauguration ceremony started at 12:00pm. The chief guests for the day were Sri. M.R. Seetharam (Vice Chairman, GEF, Director, RIT), Dr. Gananatha Shetty Yekkar (State NSS Officer, Karnataka), Sri. Pawan Wad-eyar (Director, Kannada Film Industry) and Sri. AkulaBa-laji (Anchor and anchor, Kannada Film Industry).



The following Blood Banks joined hands with us to make this event a grand success.

Sl. No.	Name of the Firm	No. of Units Collected 2017	No. of Units Collected 2018
1	Indian Red cross Society	130	95
2	M S R Blood Bank	133	115
3	KCG Blood Bank	100	-
4	Rotary TTK Blood Bank	153	110
6	Rashtrottahana Blood Bank	127	107
7	Victoria Hospital Blood Bank	109	80
8	Nimhans Blood Bank	112	95
9	Bangalore Blood Bank	126	117
10	Narayana Hrudayalaya	108	78
11	Milliannium Blood Bank	130	104
12	Lion Blood Bank	100	79
13	Kidwai Blood Bank	-	90
14	Life Care Blood Bank	-	87
15	Sanjay Gandhi Blood Bank	-	88
	<b>Total</b>	<b>1328</b>	<b>1245</b>



## DEPARTMENT OF SPORTS

### Sports Achievements

• **SWIMMING** - MEN & WOMEN Teams took part in the VTU Single Zone 2018-19 held at BMSCE, Bangalore on 3<sup>rd</sup> Oct. 2018

#### WOMEN

Gold - 3 (50, 100 & 200m BR)  
Silver - 1 (50m FS)  
Bronze - 3 (100 & 200m FS & 200m IM)  
Women Team Secured 3<sup>rd</sup> Place

#### MEN

Gold - 1 (4X100m FS)  
Silver - 2 (4X200m FS & 100m FS)  
Bronze - 2 (4X100m IM & 100m BR))  
Men Team Secured 3<sup>rd</sup> Place

• **JUDO & WRESTLING** - MEN & WOMEN Teams took part in VTU Single Zone 2018-19 held at Sapthagiri C E, Bangalore from 15<sup>th</sup> to 17<sup>th</sup> Oct. 2018

#### JUDO MEN TEAM

Gold - 1 (+ 100 Kg)  
Silver- 1 (81 Kg)  
Bronze- 1 (66 Kg)  
Men team Runners Up

#### WRESTLING MEN

Silver - 1 (92 Kg.)

#### JUDO WOMEN TEAM

Bronze - 3 (66, 57 & 48 Kg)

• **ATHLETIC** - MEN & WOMEN Teams took part in VTU Inter Collegiate Athletic Meet 2018-19 held at SJCIT, Chikkaballapura from 26<sup>th</sup> to 29<sup>th</sup> Oct. 2018

**MEN** - Bronze - 1 (High Jump), **WOMEN** - Bronze - 1 (Discuss Throw).

#### BASKETBALL

• MEN Team Secured WINNERS Trophy in CMRIT "SPARDHA-2018" Inter Engineering Colleges Basketball Tournament-2018 from 3<sup>rd</sup> & 4<sup>th</sup> Oct. 2018.

• MEN Team Secured WINNERS Trophy in PES University "INFINI-2018" Inter Collegiate Basketball Tournament-2018 from 9<sup>th</sup> to 13<sup>th</sup> Oct. 2018.

#### CRICKET

• MEN Team Secured RUNNERS Trophy in PES University "INFINI-2018" Inter Collegiate Cricket Tournament-2018 from 9<sup>th</sup> to 13<sup>th</sup> Oct. 2018

• **MEN Team Secured WINNERS Trophy in 21<sup>st</sup> Dr. M S Ramaiah Memorial State Level Inter Engineering Colleges Cricket Tournament-2018-19 organized by Ramaiah I T held from 29<sup>th</sup> Oct. to 9<sup>th</sup> Nov. 2018.**

#### In House Activities

48<sup>th</sup> Annual Athletic Meet organized on 6<sup>th</sup> October 2018 in M S Ramaiah Ground.



March Past salute has taken by Sri. G Ramachandra, Chief of Finance, GEF and Dr. C G Puttappa, Principal (i/c), RIT

**All 15 Branches of our College took part in the March Past**







Welcome Speech given by Dr. N Sriraam, Vice-Chairman, Sports Committee



Chief Guest Speech by Sri. G Ramachandra, Chief of Finance, GEF



Oath taken by the Team Captains and Athletes

Athletic Meet Torch presented to the Chief Guests by our College Athletes





Best March Past Team Prizes have given for the following Branches



First Runners Trophy taken by Medical Electronics Department



Second Runners Trophy taken by Tele Communication Department



E & C Department March Past Winners  
Athletic events have arranged for athletes



Athletic events have been arranged for College Staff







Medals have been distributed to all the Winners



21<sup>st</sup> Dr. M S Ramaiah Memorial State Level Inter Engineering Colleges Cricket Tournament-2018-19 organized by Ramaiah IT held from 29<sup>th</sup> Oct. to 9<sup>th</sup> Nov. 2018.



Ramaiah Institute of Technology Secured WINNERS Trophy in the Tournament



R V College of Engineering Secured RUNNERS Trophy in the Tournament

Inter Branch Pro – Kabaddi Tournament, organized for Men & Women on 15<sup>th</sup> November 2018







## ENTREPRENEURSHIP DEVELOPMENT CENTRE

### WORKSHOP ON DIGITAL MARKETING

EDC organised a workshop which was based on digital marketing and its tactics that can help entrepreneurs to connect with customers online, reach mobile consumers and track consumer interactions. Ruhan, Co-Founder and Chief marketing head of 'My Climber' was invited as the speaker. He has graduated from SRM University, Chennai and has been working with My Captain since 3.5 years. The Climber is an IIM incubated EdTech start-up that helps students to discover and pursue their passions. They are also recognized by the United Nations as one of the top 50 youth led solutions/initiatives in the

world; they are the only one from india and one of the two from the subcontinent.

He said that in present era, digital marketing plays an important role in entrepreneurship. He mentioned about MLM(Multi level marketing, which is a type of network marketing. He said that marketing is a noble work and it is not a work of fooling people. Digital marketing is booming in the market which includes design, copyright and facebook marketing. He also mentioned about how facebook's add manager column is one of the best digital marketing schemes.

He then talked about the key points of law of diffusion of innovation and their percentage:

1. Innovators (2.5%)
2. Early adopters (13.5%)
3. early majority (34%)
4. Late majority (34%)
5. Laggards(16%)(will never even buy the project)

He concluded the session by explaining who is a modern marketer? According to him a modern marketer should be a scientist as well as a creator. Modern marketers must know how one channel impacts another, and how people move between devices, channels and branded experiences.





## CULTURAL ACTIVITIES

### Dr. M.S. Ramaiah Memorial Parliamentary Debate 2018

Dr. M.S. Ramaiah Memorial Parliamentary Debate, or MSRMPD as it is commonly known, is the annual Parliamentary Debate Tournament held by the Literary and Debating Society under the guidance of the Department of Extra-Curricular Activities, which is in its 9<sup>th</sup> edition now. The tournament has grown to become one of the biggest tournaments in South Asia. The 9<sup>th</sup> edition saw participation from all around the globe, with participants from UT MARA, Nanyang Technological University and The Australian National University. The preparation for the tournament began in June. For the coming months, the organizing committee planned every aspect of the tournament and worked to shape our ideas and with the support and guidance from DECA, we successfully mobilized resources to host one of the most successful events in the college.

MSRMPD 2018 was organized on 22<sup>nd</sup>, 23<sup>rd</sup> and 24<sup>th</sup> September. The tournament played host to some of the best debating minds in the nation and after 5 preliminary rounds, 16 teams out of 64 made it to the knockout

rounds. At the end of a gruelling quarterfinal, semifinal and final, Bharath G and Vignesh Shanmugam's team from School of Law, Christ University emerged victorious. The other 3 finalist teams were from RV College of Engineering, NUJS, Kolkata and IIT-Bombay. Some of the country's best debaters were part of the adjudication pool for the tournament and the Chief Adjudicators for the tournament were Amrit Agastia from The Australian National University, Asif Mehedi Adi from North South University, Bangladesh, Virat Chopra from Nanyang Technological University, Singapore, Shreya Shenolikar from SLS, Pune, and Trishal Kumar from NL-SIU, Bangalore. The Literary and Debating Society and the organizing committee of Dr. M.S. Ramaiah Memorial Parliamentary Debate take immense pride in presenting this landmark event in the extracurricular calendar of our college.







### SHOUTOUT – 11

Shoutout, Ramaiah annual theatre fest, spanned the length of three days from the 11<sup>th</sup> of October to the 13<sup>th</sup>. It started with the play 'Gate Thirteen' which left the audience laughing with its comedic quips and a surprise ending. The day continued to more dramatic plays like 'The Rat in the Room', 'The Last Stand'.

'Silence! The Court is in Session' was lauded loudly by the audience. Chiraranga produced exemplary plays with the perfect blend of comedic relief and drama. 'Mukhavada' had a twist that no one saw coming and 'Panjara' had a deep social message for the audience to soak up after it ended. Day 2 saw more extraordinary plays with an exceptional acting performance.

'Drushyakavya' received a unanimous standing ovation for its production, music, story, and its message in an effort to reduce sexual assault. 'Limbo' was an entertaining short play about choosing between hell and heaven that had a splendid script. Even the chairs were cleverly used in 'Mr. Siddharth Bharadwaj' to symbolize the person and his conscious. The day ended with a hilarious depiction of what happens when the devil is evicted from hell in 'Hell's for Sale'. Day 3 saw a total of 22 skits where each one was top-notch. 'Lamb to the Slaughterhouse' chilled the audience's bones. Plays like 'Slot Idiya Guru?' had everyone clutching their stomachs in laughter and hooting. 'One Last Time' was a play by Chiraranga fourth year students. Everyone was moved by the emotion and their attachment to Ramaiah theatre clubs. The fest sadly had to come to an end. 'Black Mirror', like its title, though silent, provided a mirror to today's hypocritical society.

The judges for short plays, Mr. Prithvi Shiv and Mr. Harshil Koushik, were truly inspiring and amiable. The judges for skits were Mr. Manoj Kumar and Mr. Kairam

Vaashi both of them shared some amazing things with the participants and showed exemplary support towards them. Shoutout always leaves the students wanting for more. It witnesses the best of direction, production, writing and acting. The enthusiasm and dedication of the theatre clubs to deliver eccentric plays is highly applaudable. Every Shoutout also sees the sad good-byes of fourth year students. This year, it was no different. This stage that has taught so much to the ones standing on it or behind it, is revered and treasured by the ones leaving it.



### 19<sup>th</sup> ANNUAL VTU YOUTH FESTIVAL "JANANI"

Every year, VTU organizes one of the most widely participated cultural extravaganza in Karnataka, at different host colleges affiliated to the university. This year, VTU fest was held from November 2<sup>nd</sup> to November 4<sup>th</sup> at Bheemanna Khandre Institute of technology, Bhalki. RIT was represented at the fest by a selected contingent of 39 talented students, under the guidance of Dr. K.R. Phaneesh and Dr. Sanjay H.S. of the Department of Extra-Curricular Activities. With the encouragement from the college administration and faculty, the contingent was able to participate in the fest without any major hassle or letdown.

At the festival, there were five categories of competitive events, namely, Dance, Music, Fine Arts, Literary and Theater, under which there were several events like "Western Group Music", "Indian Group Music", "One Act Play", "Skit", "Mime", "Elocution", "Debate", "Cartooning", "Clay Modeling" etc. We participated in 23 events out of 25 events, making our contingent one of the most diverse contingent at the fest.



We began our winning streak on day one itself, and it became evident by day two; as we were positioned favorably in top events like Cartooning, clay modelling, Quiz etc. With enough points in our bag we were already near the top spot and we solidified our lead with spectacular performances on day three, especially in Western group song and One Act which brought us laurels and appreciation from everyone. Finally, at the end of the fest which lasted three days, saw participation from over one hundred colleges, our cumulative score placed us **SECOND** amongst all participating institutions.

It is worth noting that the RIT contingent put up some of the most iconic performances at the fest. Our performances by Classical instrumental solo (Non-percussion), OneAct, light vocal solo were some of the most well-received performances as made evident by resounding rounds of applause and standing ovation our teams received.

Here are a few glimpses from the festival:



### Dr. M.S. Ramaiah Memorial Quiz Fest

Dr. M.S. Ramaiah Memorial Quiz Fest, is the annual inter college quiz fest held by Quiz Club MSRIT under the guidance of the Department of Extracurricular Activities. This was the first edition of the quiz fest and saw participation from multiple institutions around the state like RVCE, PES University, BMSCE and NLSIU. With the support and guidance from DECA, we could successfully host a successful quiz fest with great reception from all the colleges that participated. The fest was organized on the 9<sup>th</sup> and 10<sup>th</sup> of November. The quiz fest was host to some of the best quizzers in the city and multiple teams from over 15 colleges participate.

There were 4 events in the fest:

- Potpourri
- SpEnt (Sports and Entertainment) Quiz
- Sci-Biz-Tech Quiz
- General Quiz

Potpourri was hosted by Venkat and Vikas, who are in their 7<sup>th</sup> semester, Computer Science and Engineering. The fest also had extremely reputed quizmasters host the events. The SpEnt Quiz was hosted by Abid Abdulla, an alumni of SRM University and currently is the Head of Content at Cerebrus. He has hosted numerous quizzes at school, college and corporate level. The Sci-Biz-Tech quiz was hosted by one of the most senior quizmasters in Karnataka, Dr. Arul Mani. He is a senior lecturer at St. Joseph's College, Bangalore. A regular name in KQA, the list of Arul Mani's laurels are endless. The last of our quizmasters was one of our alumni, ThejaswiUdupa. He is currently the Director and Head of Product at Roof & Floor. One of the most prolific quizmasters in Bangalore and the Karnataka circuit, we were ecstatic to have him be part of the event.

The results of all the events were as follows:

#### Potpourri

**1<sup>st</sup> Place:** Roshan Jeason, Pavan K. Rao and Sujay Pan from MSRIT

**2<sup>nd</sup> Place:** Nagendra Jamadagni, Aditya Giridharan and ShankrithNatarjan from RVCE

**3<sup>rd</sup> Place:** ShiveshSood, Vyshnavi Krishnamurthy and RavinaChoudhary from MSRIT

#### SpEnt Quiz

**1<sup>st</sup> Place:** PreethamUpadhya and BarghavCavale from PES University

**2<sup>nd</sup> Place:** Hari Herekar, Parv Modi and Prashant Krishnan from MSRIT

**3<sup>rd</sup> Place:** RigzenWangchuk, VenkatKrishnamohan and ShiveshSood from MSRIT

#### Sci-Biz-Tech

**1<sup>st</sup> Place :** PreethamUpadhya, AkhilSiddharth and Adit Vishnu from PES University

**2<sup>nd</sup> Place :** Nagendra Jamadagni, AbhilashNamboodiri and Dileep Reddy from RVCE

**3<sup>rd</sup> Place :** Dhrishat Suresh, Animesh Singh and Binit Agarwal from NLSIU

#### General Quiz

**1<sup>st</sup> Place :** PreethamUpadhya, BarghavCavale, Anuj Tambwekar from PES University

**2<sup>nd</sup> Place:** Nagendra Jamadagni, AbhilashNamboodiri and Dileep Reddy from RVCE

**3<sup>rd</sup> Place:** Jayanth N, ShanthanuShivaswamy and Shraddha Murali from BMSCE

#### KANNADA RAJYOTSAVA

Kannada Rajyotsava has always been the most celebrated event during an odd semester. Kannada Rajyotsava 2018 was no less, as it was organized, publicized and executed with perfection. This edition of Kannada Rajyotsava was held on the 16<sup>th</sup> of November 2018. The events conducted during his Rajyotsava, were well received and appreciated by the college faculty and students. The event was flagged off by a performance by

the music and dance team and the following events were conducted.

- Street dance
- Photography
- Non Kannadiga
- Counter Strike
- Kannada Poetry
- Anthyakshari
- Staff Anthyakashari
- JAM
- Kannada Debate
- On-spot Painting
- Voice of MSRIT
- Hemmeya Kannadiga and Kannadathi
- Rangoli
- Personality
- Staff Quiz
- Student Quiz
- Light Vocals
- Creative writing
- Face painting
- Treasure hunt
- Dumb Charades
- PUBG
- Air Crash
- Kabaddi
- Cooking without fire
- Nanna Kathe

#### Main stage events (16-11-2018)

• Chief guest of the function were Sri. Narasimha Joshi and Sri Annamalai K, IPS.

• Fusion music performance by Indian music team of our college.

• Dance performance by all dance teams of our college.

These performances left the audience amazed with the young talent present in our college. At the end of each day, the judges for every events provided their valuable insights on every performance and feedback, which was well received by every performer. With the success of the event, the next year's Kannada Rajyotsava is expected to raise the bar to a whole new level. Here are a few glimpses of the event





## RIT ALUMNI ASSOCIATION

The MSRIT Alumni Association has been inviting eminent alumni to deliver talk and interact with the students and faculty members of the institute under Distinguished Alumni Talk Series. Under this series a talk was delivered by Sri LS Subramanian, CEO, NISE an alumnus of Electrical and Electronics Department on 1st October 2019. The title of his talk was Cloud Computing.



Lt. Col. Shankar Singh Gautam, Officer Commanding, 41 Infantry Brigade, Corps of Signal, Indian Army an alumnus of Electronics and Communications Engineering delivered a talk on 30<sup>th</sup> November 2018 on Role of Engineers in Indian Army.



## NEW APPOINTMENTS

### Department of Medical Electronics

#### Dr. Vani Damodaran



**Dr. Vani Damodaran** completed her PhD from IIT Madras. Her areas of interest are Optical Imaging, Biomedical Image and Signal Processing, Optical Diagnostics and Sensing and Electro-Optics.

### Department of Chemistry

#### Dr. Sharath D, Research Scientist



**Dr. Sharath D** obtained his PhD from Homi Bhabha National Institute, Mumbai in 2015. His areas of research are Imaging Non Destructive Evaluation, Medical Thermography, Image and Signal Processing.

### Department of Electronics and Communication

#### Dr Deepali Koppad



**Dr Deepali Koppad** has completed her Ph.D and Masters from Newcastle University, UK and has also worked as a Research Associate at University of Edinburgh, UK. She has worked with R V

College of Engineering and PES Institute of Technology, Bangalore, India before joining RIT. Dr Deepali has travelled to many countries in Europe, South America, North America and Asia Pacific in order to present her research work. Some of her areas of interest include VLSI design, testing, verification, low power designs, microprocessor and microcontrollers.



### Ms Chethana Gosal S



**Ms Chethana Gosal S** is working as an Assistant professor in the Department of Electronics and Communication Engineering of RIT since September 2018. She has worked early at Cambridge In-

stitute of Technology for 8 years and has also published her research work in various International Journals. Her areas of interest are Wireless Communication, Networking, Medical Electronics and Embedded Systems.

### Dr. P. Nirmala



**Dr. P. Nirmala** obtained her B.E., and M.E., degree from Anna University, Chennai. She received her Ph.D degree from Anna University for her research work on Image Processing. To her credit, she

has published several research articles on image fusion techniques in refereed International Journals. She has also presented and published her research papers in the proceedings of International and National conferences. As her credential she is an outstanding reviewer in Infrared Physics & Technology (Elsevier), recognized reviewer in Information Fusion (Elsevier), IET Image Processing (IEEE), Multimedia Tools and Applications (Springer) and Journal of Electronic Imaging (JEI-SPIE)

### School of Architecture

#### Amala Anna Jacob



**Amala Anna Jacob** is currently working as an Assistant Professor at School of Architecture in RIT. She was previously at SPA, Vijayawada after completing M.Arch with a major in urban design and

minor in history, theory & criticism from CEPT University. She completed her Bachelor of Architecture from Manipal University. Her areas of interest include urban morphology, transformation of urban settlements, and architectural history.

#### Akshata Shagoti



**Akshata Shagoti** is currently working as an assistant professor in Architecture department of RIT. She has completed her PGDCA from CMC, Hubli. Bachelor of Architecture from BVBCET, Hubli. She

persued her Masters in Advanced Architectural Design from SRM University, Chennai. Previously, she has worked as visiting faculty in BMSSA & Reva University

for 6 months & full-time in Aditya Academy of Architecture & Design, Bangalore for a year. Her areas of interests include Architectural Design, Urban Farming, Sustainable Design, Vernacular Architecture, Architectural Softwares & Photography.

#### Meghana M



**Meghana M** is working as an Assistant Professor at School of Architecture in RIT. She has completed her Bachelor of Architecture at School of Architecture, RIT, Bangalore, in 2014. Furthermore,

she has pursued Master of Arts in World Heritage Studies from Brandenburg University of Technology, Germany, which is a UNESCO Chair Programme. Her areas of interest include Heritage Conservation, Sustainable Architecture and Research Methodology.

#### Sheetal B.S



**Sheetal B S** is currently working as an Assistant Professor at School of Architecture in RIT. She has completed her Bachelor of Architecture from School of Architecture, RIT, Bangalore. She has pursued her master in Planning (specialisation in Regional Planning) from School of Planning and Architecture New Delhi. Previously she has worked in BMSSA for 18 months. Her area of interests include Land Policy, Regional Planning, Urban Flood Mitigation, Governance.

## Advantage RIT

- Proven track record spanning 56 years, in engineering education
- Strategically located in the heart of Bangalore City offering excellent connectivity and convenience
- State-of-the-art infrastructure and facilities comparable to international standards
- High qualified and committed faculty, constantly evolving teaching methodology
- Faculty to student ratio of 1:15- among the best in the industry
- Industry – oriented instructional content to ensure strong synergy with the changing requirements
- Strong relationship with leading names in the industry
- Several departments involved in various prestigious projects
- Focus on all round development to enable professionals to deliver in a dynamic ecosystem
- Excellent placement record- 90-95% achieved year-on-year

## Various educational institution under Gokula Education Foundation (GEF)

Ramaiah Institute of Technology  
Ramaiah Polytechnic  
Ramaiah College of Arts, Science & Commerce  
Ramaiah Composite Pre- University College  
Ramaiah Vidyanniketan  
Ramaiah College of Education  
Ramaiah Medical College  
Ramaiah Institute of Physical Medicine & Rehabilitation (Physiotherapy)  
Ramaiah Institute of Management  
Ramaiah College of Law  
Ramaiah International Medical School

Ramaiah Institute of Nursing Education & Research  
Ramaiah INDIC Speciality Ayurveda  
Ramaiah Medical College Hospital  
Ramaiah Memorial Hospital  
Ramaiah Advanced Testing Laboratory  
Sri Yoginareyana Study Centre  
Ramaiah Clinical Research Centre  
Ramaiah University of Applied Sciences  
Ramaiah Harsha Hospital  
Ramaiah Leena Hospital  
Ramaiah Clinic  
Ramaiah Public Policy Centre

## Quotes on Education

- "You can teach a student a lesson for a day; but if you can teach him to learn by creating curiosity, he will continue the learning process as long as he lives."

- Clay P. Bedford

"The aim of education should be to teach us rather how to think, than what to think — rather to improve our minds, so as to enable us to think for ourselves, than to load the memory with thoughts of other men."

- Bill Beattie

- "Why should society feel responsible only for the education of children, and not for the education of all adults of every age?"

- Erich Fromm

- "Keep away from people who try to belittle your ambitions. Small people always do that, but the really great make you feel that you, too, can become great."

- Mark Twain

- "Example is not the main thing in influencing others. It is the only thing."

- Albert Schweitzer

- "Education is a progressive discovery of our own ignorance."

- Will Durant

## Health Corner - Health benefits of Dragon fruit

Dragon fruit is an exotic looking fruit which belongs to the cactus family of plants with some unique health benefits. Most people will never have seen a Dragon fruit since it tends to grow in the tropical and subtropical regions of South America and Asia. A dragon fruit's outside skin has scales which resemble a dragon and hence the name. Dragon fruits are rich in vitamins including vitamin C, B1, B2 and B3. They are also rich in minerals including calcium, iron, magnesium and phosphorus. They are also a good source of fibre, protein and omega essential fatty acids. Equally important is that these fruits are rich in antioxidants as high as acai berries, which is why people often label the dragon fruit as a "super-fruit". Many people use the fruit pulp in homemade skincare creams and potions to tackle acne, congested skin and even soothe sunburns. Some of the benefits of the fruit are:

**Heart health** – with an increase in cardiovascular disease, dragon fruits are known to decrease cholesterol levels. Their source of monounsaturated fats helps fuel the heart whilst antioxidants prevent the oxidation of cholesterol which would otherwise lead to plaque formation.

**Digestion** – with a rich source of fibre, dragon fruits assist with constipation and a sluggish digestive system.

**Arthritis** – dragon fruit displays powerful anti-inflammatory properties which helps in alleviating the pain associated with arthritis.

## RAMAIAH INSTITUTE OF TECHNOLOGY

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