



ಪ್ರತಿತಿ Sampige

A quarterly News Bulletin of RIT

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GREETINGS!

Welcome to yet another issue of 'Sampige', a quarterly News Bulletin of Ramaiah Institute of Technology, a detailed collection of events at the institute and department level. A comprehensive report on Pradarshana, Dr. M.S. Ramaiah Memorial Lecture and Farewell function conducted at the Institute has been incorporated in this issue. We heartily congratulate all the prize winners of the Open day Exhibition-

Pradarshana-2019 and the Best Outgoing Students of the individual department and the Institute. All credits and thanks go to the dedicated HODs, faculty, staff and their team effort. We hope you thoroughly enjoy reading this issue.

Any suggestions or criticism on the News Bulletin would be always most welcome.

Best wishes,
Dr. N. V. R. Naidu



Friends,

I am very much delighted to place before you another issue of 'Sampige', a quarterly News Bulletin of RIT. The purpose of the Bulletin is to inform all the stakeholders-students, Faculty, Staff, Academic community at large of the important activities taking place in the individual department and at the institute level. This issue of News Bulletin highlights proceedings of three important annual functions held in our institute namely: Pradarshana-2019-Open Day Project Exhibition, Farewell Function in honour of outgoing students and Dr. M.S. Ramaiah Memorial Lecture. I would like to thank you the entire Department Heads and Section Heads for their timely contribution of various events held in their departments. Please feel free to offer any suggestions for the improvement of the News Bulletin.

With best wishes.

Dr. B. M. Nagabhushana

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!



Pavithra. U.S from Biotechnology department was honored with the Outstanding Graduate Student Award for the Academics, Co-curricular, Extra-curricular Activities and Service to Community during 2018-19.

FAREWELL FUNCTION



Farewell Function for the outgoing students of B. E, B.Arch., M. Tech, MBA and MCA was held in the institute on 27th of May 2019. Dr. N.V.R Naidu the Principal of RIT, in his welcome speech, wished good luck to all the outgoing students in their entire future endeavor. The Chief Guest Sri Mohan Kakade, Vice President, Manufacturing & HSE, ABB India Ltd. addressed the gathering and motivated the students with his rich experience. He was honored and excited to address the young engineers and advised them to enrich themselves with engineering knowledge, competitive skills and bring laurels to the Institution. He also stressed on Project Management skills, Risk Analysis, and teamwork. He motivated them to sincerely update themselves with continuous learning skills. He advised the students to build positive thinking and personality skills, interaction with customers and respect for others in their professional life. He concluded by wishing all the students good luck for the examinations and their Future Life.

Guest of Honor Sri Tallam Venkatesh, President, of RIT Alumni Association addressed the gathering and the outgoing students. He advised the students to be disciplined and inspired the students with his vast experience stating that students should remain ethical and passionate with their carriers and dreams. He insisted all the students to become member of the MSRIT Alumni Association and help their fellow juniors.

Sri. M.R. Ramaiah, Secretary GEF, and Director MSRIT, Sri. B S Ramaprasad, Chief Executive, GEF and Sri G. Ramachandra, Chief of Finance, GEF were present on the occasion.

The best outgoing student Award from each Department and also at the College Level were presented to the

deserving students by all the dignitaries. Around 30 best outgoing students from all the departments were awarded with certificates and cash prize. Mrs. Pavithra. U.S from Biotechnology was honored with the 'Outstanding Graduate Student Award' for the Academics, Co-curricular, Extra-curricular Activities and Service to Community during 2018-19.

DR. M.S. RAMAIAH MEMORIAL LECTURE



Dr. M.S. Ramaiah Memorial Lecture by Padmashri Prof. A.S. Kiran Kumar

Dr. M.S. Ramaiah Memorial Lecture was organized at MS Ramaiah Institute of Technology on 13th May 2019 at 11:00 am. Padmashri Prof. A.S. Kiran Kumar, Vikram Sarabhai Professor and Farmer Chairman, ISRO was the chief guest and delivered began with the welcome address by Dr. N.V.R. Naidu, principal, RIT. The Chief Guest spoke about the Indian Space Program achievements and its history. Remembering Shri Vikram Sarabhai, he informed about the important role Shri Vikram Sarabhai played in shaping the future of space programs in the country. This year is his birth centenary, he added. During his lecture, he informed how space program is contributing through communication, navigation and earth observation. Predictions of meteorological data such as cyclone has helped managing and mitigating potential disasters.

Dr. M.R. Jayaram, Chairman, Gokula Education Foundation stated ISRO has made the nation proud and will be at the forefront of the world's space technology. Sri. M.R. Seetharam, Hon'ble Vice Chairman, GEF & Director, RIT. Former minister for planning, Statistics, Science and Technology, Govt. Of Karnataka, Sri M R Ramaiah, Hon'ble Secretary, GEF & Director RIT. Sri B.S. Ramaprasad, Chief Executive, GEF (Eng. & Gen.

Science) have graced the occasion.

OPEN DAY PROJECT EXHIBITION - PRADARSHANA 2019



- Ramaiah Institute of Technology, Bangalore organized its Open day Project Exhibition - Pradarshana 2019 on 24th & 25th May 2019. The project exhibition provided a unique opportunity for students to promote their conceptual ideas to leading decision-makers in the industry. The students unleashed their potential by showcasing their innovative ideas to the dignitaries developed either as industry defined or user-defined problem. This high-level technical event displayed the hardware, software and fabricated projects of undergraduate students from various engineering disciplines under one roof. The main objective of this event was to provide a stage for students to exhibit their skills, to reward their hard work and to motivate the younger generation to strive for excellence.
- The project exhibition was inaugurated by the chief guest Mr. Indushekar B, Vice President, Volvo India Private Ltd. The dignitaries Dr. MR Jayaram, Hon'ble Chairman - GEF, Sri. B.S Ramaprasad, Chief of executive- GEF, Sri G. Ramachandra, Chief of Finance - GEF and the Hon'ble Principal of RIT Dr. N.V.R Naidu lighted "Kuthuvilaku" - the lamp of knowledge and set the ball rolling for Pradarshana 2019. It was followed by releasing of the souvenirs containing the projects of all departments. The chief guest said that it was his honor to be part of Pradarshana. He congratulated all the young minds for showcasing their projects. He stressed on Ecosystems of startup, robotics, low-cost production, government scheme and on all creation of new contracts which gives new agencies and in turn new jobs. He said that opportunities are waiting for student's fraternity and faculties. All we need to do is make sure we challenge ourselves and get inspired by these exhibition events

such as Pradarshana.

opportunities are waiting for student's fraternity and faculties. All we need to do is make sure we challenge ourselves and get inspired by these exhibition events such as Pradarshana.



- The event was kept open to witness by all students, parents, media personnel and the public.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



- EE department students organized inter-class cultural competition "ELECTRA-19" on 15th March. Each class team was given 45 Minutes of duration in which they have to perform one skit, singing,

mimicry and dance. The overall championship was won by final year students of E&E.

Paper Publication in International /National Journals

- **M V Likith Kumar, Srishail K Bilgundi, H. Pradeepa** – 'Optimal Allocation of DG Units in Distribution System Considering Variation in Active Power Load', Archives of Electrical Engineering, Vol 68 (2), pp.265-277, 2019.

Paper Publication in International /National Conferences

- **Dixit G, Premila Manohar, Shaik M Pasha** – 'Anti-lock Braking System of Vehicle', 4th IEEE International Conference on Recent trend in Electronics, Information & Communication Technology, 17th -18th May 2019, SVCE, Bangalore, India.
- **Haleema Sadiya, Premila Manohar, Swathi Narula** – 'Power Factor Corrected IPMSM Drive using Field Oriented Control in Constant Torque Region', 4th IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology, 17th -18th May 2019, SVCE, Bangalore, India.
- **Sneha Gandh C, Gurunayk Nayak, Mohan Shantigrama** – 'Electronically Controlled Limited-Slip Differential for Two-wheel drive for a Vehicle Network with AUTOSAR', 4th International Conference on Recent Trends in Electronics, Information, Communication & Technology (RTEICT), 17th -18th May 2019, SVCE, Bangalore, India.
- **Chaitra G, Gurunayk Nayak, Mohan Shantigrama** – 'Creep Control for Off-road Conditions', 4th International Conference on Recent Trends in Electronics, Information, Communication & Technology (RTEICT), 17th -18th May 2019, SVCE, Bangalore, India.
- **Murali Manohar S Kumar, Dawnee S, Sushanth Jayanth and Vivek Kumar Singh** – 'Experimental performance evaluation of various path planning algorithms for obstacle avoidance in UAVs', 3rd International Conference on Electronics and Communication and Aerospace Technology (ICECA 2019), 12th -14th June 2019, Coimbatore, India.

Guest lecturers delivered by the department faculty:

- **Dr. Premila Manohar** – "Overview of HVDC Transmission Systems", on 29th April at REVA University, 2019.

Guest lecturers arranged in the department:



- **Dr. Rajashekhar Mandi**, Director, Electrical & Electronics Engg, REVA University delivering a talk on "Renewable Energy & Micro Grid", 4th May 2019.

Industrial Visits:



Students participating in International exhibition:

- Final Year E&E students exhibited their projects in "ELASIA 2019 International Exhibition on Power, Electrical, Controls, and Lighting" held in association with Electrical Consultant Association of India (ELCA) at Bangalore International Exhibition Center on 21st -24th June 2019.



Student Achievements:

- **Ashish K. Himanshu.Y, Murali Manohar.K, Arun Kumar. R** won a cash prize of Rs 75,0000/- for a project titled "Acoustic Localization for Autonomous Unmanned System", in the FAER McAfee Scholar Programme organized by Foundation of Advancement of Education and Research, Bangalore, held on 13th -14th June 2019.



- **Mr. Tomin Joseph** of final year E & E, has successfully completed his internship and final year project titled "Development of CAN-based Low-level Control Software for Forklift Automation", at Rapyuta Robotics, Tokyo, Japan.

DEPARTMENT OF MECHANICAL ENGINEERING



- One-day National Conference on Emerging Trends in Mechanical Engineering for UG/PG students and Research Scholars (NCETME 2019) was organized by the Department of Mechanical Engineering on 26th June 2019. Chief guest Dr. Satyam Suwas, Professor, IISc Bangalore delivered the keynote address on Microstructural design.

Publication in (National/International) Journals:

- **P.L Srinivasa Murthy** – 'Effect and Mechanical Behavior of Natural Ageing Treated Aluminium 6061 under T4 Conditions', International Journal of research and Analytical Reviews', ISSN 2348-1269, ISSN 2349-5138.
- **P.L Srinivasa Murthy, Balasubramanya H S** - 'Characterization of Jute FRP Composite for Structural and Electrical Applications', International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Vol.7, Issue-6S, March 2019.
- **Gururaj, P B Nagaraj** - 'A Review of Experimental and Numerical Investigation on the Heat Transfer in Micro-Channel Heat Exchanger for Various Nano Fluids', Journal of Recent Trends in Fluid Mechanics. 2018; 5(3): p.1–7, ISSN: 2455-1961.
- **B S Sridhar, A R Shashikala** - 'Effect of Pretreatment on the Production of Bioethanol from Kitchen Waste', International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor- 6.887, Vol. 7, Issue IV, April 2019.
- **Prakrathi S** - 'Impact and wear resistance of Al-7072 MMCs reinforced with SiC and Al₂O₃', Journal of Metallurgy and Materials Science, Vol. 61, No. 3, Pg No.143-149, 2019.
- **Prakrathi S** - 'A Study on Evaluation of Mechanical Properties of Reinforced Composite Developed Using Corn Husk and Glass Fiber', International Journal of Manufacturing and Materials Processing, Vol. 5, Issue 01, Pg No 32-36, 2019.
- **Manjunath G, Nagesh S.N, Akshay P Meti** - 'Design of Portable Root Crop Washer Machine used in the Agriculture Field', International Journal of Engineering & Science Research, ICETEISM-2019/ Special Issue/ Article No-05/PP 20-22.
- **Chethan N, Nagesh S.N** - 'Experimental Investigation on Nano Cutting Fluids to Improve the Machining Characteristics of AISI52100 Steel', International Journal of Engineering & Science Research, ICETEISM-2019/Special Issue/ Article No-22/PP 100-103.
- **Shivalingappa H T, Nagesh S. N, Putta Bore Gowda**

- 'Design of Bio-gas Digester for Anaerobic Digestion in Thermophilic Condition', International Journal of Engineering & Science Research, ICETEISM-2019/ Special Issue/Article No-24/107-111.

Publication in (National/International) Conferences:

- **Vinayak Talugeri, Dr. Veeranna B Nasi** - 'A Review on Enhancement of Heat Transfer Rate in Solar Parabolic Collector with Different Combination of Nano-fluids', National conference on emerging trends in Mechanical Engineering, Ramaiah Institute of Technology, Bangalore, 26th June 2019.
- **Shashank Lingappa M, Manoj B Gowda, Manoj P.C, Rakesh G.B, Shivaraj R** - 'Development of Nickel clad on stainless steel substrate by microwave irradiation and its characterization', National conference on emerging trends in Mechanical Engineering, Ramaiah Institute of Technology, Bangalore, 26th June 2019.
- **Ashish George J, Lokesh K** - 'Response of Process Parameters on Cutting Tool Vibration during Turning Operation', National conference on emerging trends in Mechanical Engineering, Ramaiah Institute of Technology, Bangalore, 26th June 2019.
- **Paramesh Chamble, Bharath M R, Lokesh K** - 'Experimental Investigation of Machine tool vibration during milling operation of EN31', National conference on emerging trends in mechanical engineering, Ramaiah Institute of Technology, Bangalore, 26th June 2019.
- **B. S. Sridhar, Manjunath B** - 'optimization of honing head by fem validation with manufacturing parameters', National conference on emerging trends in Mechanical Engineering, Ramaiah Institute of Technology, Bangalore, 26th June 2019.
- **Prakrathi S** - 'A review on magnesium and its alloys as a biomaterial for implant application', National conference on emerging trends in mechanical engineering, Ramaiah Institute of Technology, Bangalore, 26th June 2019.
- **Prakrathi S** - 'Flow degradation behavior of Mg-2Zn alloy Orthopedic implants', 1st International Conference on Materials Science and Engineering (ICMSE 2019), Dr. B.R Ambedkar National Institute of Technology, Jalandhar, Punjab, India, 11th - 12th June 2019.

Guest Lecture delivered by the Department Faculty:

- **Dr. P.L Srinivasa Murthy** - 'Concept of Advanced Design', Department of Mechanical Engineering, Sai Ram College of Engineering, Bangalore, 10th May 2019.
- **Dr. Sridhar B.S** - 'Overview and applications in additive manufacturing', 5 Days FDP on Recent Innovations in Manufacturing and Welding Technology, Dayananda Sagar Academy of Technology and Management, Bangalore, 28th June 2019.
- **Dr. Sunith Babu L** - 'Challenges and opportunities in Additive manufacturing', 5 Days FDP on Recent Innovations in Manufacturing and Welding Technology, Dayananda Sagar Academy of Technology and Management, Bangalore, 28th June 2019.
- **Dr. Jaya Christian** - 'Design for additive manufacturing', 5 Days FDP on Recent Innovations in Manufacturing and Welding Technology, Dayananda Sagar Academy of Technology and Management, Bangalore, 28th June 2019.

DEPARTMENT OF CIVIL ENGINEERING



Publications in (National/International) Journals:

- **Er. Jiyo Mathew**, Senior Field Manager, Trident Tech labs, Bangalore, delivered an invited talk on the topic "Structural Health Monitoring", 21st May 2019. The demonstration and technical talk was organized by ICI Student Chapter, Department of Civil Engineering. The technical talk was focused on areas like sensors, data acquisition, and systems available to monitor the behavior of the structure.
- **Prashant Sunagar, Aravind Bhashyam** - 'Raster

least-cost approach for automated corridor alignment in undulated terrain', International Journal of Recent Technology and Engineering, 8(1), pp.1-4, Elsevier B.V, Radarweg-29, 1043 NX Amsterdam, The Netherlands, 2018, Copyright © 2019.

Papers presentation in National/International Conferences:

- **Prashant Sunagar, Aravind Bhashyam** - 'Sustainable Structural Retrofitting of RC building by Non-linear Static Analysis', National Conference on Advances in Sustainable Construction Materials (ASCM 2019), (Scopus indexed) Springer, NIT Warangal, 15th – 16th April 2019.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Paper Presentation in National/International Conferences:

- **Punya Prabha V, Sriraam N** - 'A Primitive Survey on Ultrasonic Imaging Oriented Segmentation Techniques for Detection of Fetal', International Journal of Biomedical and Clinical Engineering, Vol. no. 8, 2019
- **Vishnu Priya V, A. R. Priyarenjini** – 'Clock Tree Synthesis Techniques for Optimal Power and Timing Convergence in SoC Partitions', 4th IEEE Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT), Sri Venkateshwara college of Engineering, Bangalore, 17th -18th May 2019.
- **Dr. Suma K V, V Simran Parveen, Sucheta, Sanjana M, Kavya Jadav M** - 'Women Security System using IoT', International Conference on Embedded, Power Systems, Control and Communication ICEPC2 2019, Vemana Institute of Technology, Bangalore, 25th – 26th July 2019.
- **Dr. Suma K V, Lingaraju G M, Dinesh P.A and Nivedha R**- 'EEG Based Emotion Recognition using Particle Swarm Optimization based SVM Classifier', Defect and Diffusion Forum, 2019.
- **Suma P, Dr. Suma K V** – 'Pulse Rate Variability for

Detection of Autonomic Tone of an Individual', 4th IEEE Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT), Sri Venkateshwara College of Engineering, Bangalore, 17th -18th May, 2019.

- **Madhukar Navik, Dr. Suma K V** – 'Wireless and IoT based Pulse Oximeter', 4th IEEE conference on recent trends on Electronics, information, Communication & Technology (RTEICT), Sri Venkateshwara college of Engineering, Bangalore, 17th -18th May, 2019.
- **Akshay, Pavitha U S** - 'FPGA Design of Recursive Shared Segmented Split MAC Unit for Image Filtering', International Conference on Signal Processing, Communication and Embedded Control, A.P.S. College of Engineering, Bengaluru, Karnataka, 3rd May 2019.
- **Sushmitha, Veena G N** - 'A Semi-Automatic Approach for Testing of Brake Pedal Feature and Diagnostics using Unified Diagnostics Service (UDS) Protocol', 4th IEEE Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT), Sri Venkateshwara college of Engineering, Bangalore, 17th -18th May, 2019.
- **Manasa R, Dr. Reshma Verma, Dr. Deepali Koppad** - 'Implementation of BIST Technology using March-LR Algorithm', 4th IEEE Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT), Sri Venkateshwara college of Engineering, Bangalore, 17th -18th May, 2019.
- **Spoorthi G P, Akkamahadevi M B** - 'Handover Mechanism In 5G mmwave Band', 4th IEEE Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT), Sri Venkateshwara College of Engineering, Bangalore, 17th -18th May, 2019.
- **S Lakshmi, PA Dinesh, C.S Pratheeksha**- 'Electromechanical Modelling of Electrostatically Actuated Beams', Microsystem Technologies 25 (7), 2805-2812, June 2019.
- **Punya Prabha V, Sriraam N**- 'Hybrid Segmentation Approach to segment Fetal Cardiac Chambers of Ultrasound Images', First International Conference on ICATIECE-2019.

- **Sheryl Betsy E. V, Punya Prabha V-** 'Authenticated and Data protected Banking using Blockchain Technology', 4th IEEE Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT) , Sri Venkateshwara college of Engineering, Bangalore, 17th -18th May,2019.

Funded Project:

- **Dr. Suma K V-** PRV for detection of autonomic tone of an individual, KSCST, April 2019.

Rs. 5000/-

- **Dr. Reshma Verma** - Integrated Health and Patient Monitoring System using IoT, KSCST, April 2019.

Rs. 6000/-

- **Dr. S. Sethu Selvi-** Modernization of Wireless Communication Lab, AICTE (MODROB), April 2019.

Rs. 7.69 Lakhs

- **Dr. C.G. Raghavendra,-** IT Solutions for K. K. Constructions, K. K. Constructions, Yelahanka, Bangalore, May 2019.

Rs. 5.25 Lakhs

- **Dr. C.G. Raghavendra** has obtained "Research Fellowship Grant" for an amount of Rs. 70,000/- for the project titled "Detection of Defective Eggs and Gender Identification in Multivoltine Silkworm pupa" from MSRIT alumni Association.

- **Dr. Raghuram-** Deep Learning for the efficient Numerical Solution of Differential Algebraic Equations, Research and Development fund, RIT, June 2019.

Rs.4.20 Lakhs

Achievement/s, Awards/Prizes by Faculty/Staff/Students:

- **Simran Parveen, Sucheta, Sanjana M and Kavya Jadav-** won special prize of Rs 25,000/- for their final year project on 'Wearable device for women security',(guide Dr. Suma K V) competition conducted by FAER – McAfee Scholar Award 2018-2019 at RIT during 13th – 14th June 2019.

Faculty who obtained Ph.D degree:



Smt. Mamtha Mohan has been awarded Ph.D degree for her work "Digital Watermarking for Electronic Health Records – Some Novel Approaches" from Jain university in June 2019 under the supervision of Dr. B K Sujatha, Prof and Head, TCE Dept, RIT, Bangalore.

DEPARTMENT OF CHEMICAL ENGINEERING



- One-day Workshop on "Modelica for Chemical Engineers" in Association with Modelicon Infotech Ltd. on 4th May 2019. 'Dr. Sunil s Shah, CEO, Modelicon Infotech Ltd. gave the inaugural address in which he spoke about the importance of open-source softwares being used currently. Further, he gave an introduction to Modeling and Modelica software, its applications and the industries using it. Open Modelica is an open-source Modelica-based modeling and simulation environment intended for industrial and academic usage.



- Six Days Faculty Development Programme on “2D and 3D Models of Cell Culture and their Applications” jointly organized by Department of Biotechnology & Chemical Engineering & ReaGene Biosciences Pvt. Ltd. and Hi-Media Laboratories Pvt. Ltd., Bengaluru from 17th -22nd June 2019. The expert from Hi-Media laboratories described these models in detail and provides hands-on experience on cell culture technologies, for the participants.

Publications in (National/International) Journals:

- **Sowmya Surappanahalli Rajanna, Gattumane Motappa Madhu, Chengala Damodara Madhusoodan, Adithya Govindarajan** – ‘Silicon Carbide-Coated Ceramic Membrane Bireactor For Sustainable Water Purification’, Membrane 2019, 9(4):47, Pg.No. 1-13, DOI: 10.3390/membranes9040047.
- **Jammula Koteswararao, Suggala Venkata Satyanarayana, G.M. Madhu** – ‘Estimation of Structural and Mechanical Properties of Cadmium Sulfide/PVA Nanocomposite Films’, Heliyon (Q1), Vol.5, Issue 6, Pg.No 1-7 (2019), <http://doi.org/10.1016/j.heliyon.2019.e01851>.
- **Rajeswari M Kulkarni, K Vidya Shetty & G Srinikethan** – ‘Kinetic and Equilibrium Modeling of Biosorption of Nickel (II) and Cadmium (II) on Brewery Sludge’, Water Science & Technology (Q2), 79(5), 888-894 (2019) ISSN 0273-1223, EISSN 1996-9732.

Paper Presentation in National/International Conference:

- **Sravanthi Veluturla, Archana Narula, Danwyn Jeethan & Akhil Pavavdad** – ‘Synthesis of Amyl Acetate Using a Silica Supported Heteropoly Acid – A Kinetic Study’ in the International Conference on Sustainable Urban Development Resource Conservation and Food Security held at Bearys Knowledge Campus, Mangalore on 26th - 27th April 2019.

Achievement/sby Students:

- **Soundarya Kulkarni, Shaila Shree** has secured distinction as Winner in the State level intercollegiate Volley Ball (Women) Tournament in New Horizon Cup 2019 held from 3rd - 5th April 2019.

Faculty who obtained Ph.D. degree:



Dr. Sravanthi Veluturla obtained Ph.D. for the thesis “Studies on Novel Heterogeneous Catalysts for Acid Catalyzed Reactions”, from JNTUA, Ananthapuramu, under the guidance of Dr. Archana & D. Subba Rao.

DEPARTMENT OF INDUSTRIAL ENGINEERING & MANAGEMENT



Publications in National / International Journals:

- **Mahendra H.M, G.S. Prakash, Keerthi Prasad K.S, Rajanna S** - ‘Mechanical behavior of with and without heat treatment of A16061-A1203 metal matrix composite by using electrochemical technique’, International Journal of Engineering & Science Research – IJESR, IJESR/ICETEISM-2019/ Special Issue/Article No.-41, Pg.No. 197-201, ISSN 2277-2685, 2019.
- **Rajesh N, R. Shobha, Shreyas P.S, Rajanna S** – ‘Experimental investigation of wear and hardness properties of reinforced A1-MMC's without and with heat treatment process’, International Journal of Engineering & Science Research-IJESR, IJESR/ICETEISM-2019/Special Issue/Article No.-40, Pg.No. 191-196, ISSN 2277-2685, 2019.
- **Shilpa D.S, Sudheer D. Kulkarni** – ‘Application of production planning techniques in manufacturing of engineering components’, International Journal of Production Engineering, Vol.5, Issue.1, Pg. No.1 - 4, May 2019.

Paper presentation in National / International Conference:

- **M. Shilpa, Harshith. L, Shobhini Sekar, G.S. Prakash**

– 'Design of facilities that incorporates relationship between supermarket layout and its sales', International Conference on Mechanical Engineering Design (ICMechD 2019), Sri Sivasubramaniya Nadar College of Engineering, Chennai, India, 25th - 26th April 2019.

- **M. Shilpa, M.R. Shivakumar, Roshini Jacintha, Anirudh Sampath** – 'Application of six sigma methodology to redesign the pediatric health care system', International Conference on Mechanical Engineering Design (ICMechD 2019), Sri Sivasubramaniya Nadar College of Engineering, Chennai, India, 25th - 26th April 2019.
- **M.R. Shivakumar, M. Shilpa, Nishith Mayank, Rajesh B** – 'Multi-response optimization of process parameters through Taguchi method and grey relational analysis in the production of aluminium alloy based MMCs', International Conference on Mechanical Engineering Design (ICMechD 2019), Sri Sivasubramaniya Nadar College of Engineering, Chennai, India, 25th - 26th April 2019.
- **M.R. Shivakumar, Dr. N.V.R. Naidu, Jai Surya, Indhuja D** – 'Study of the influence of reinforcement parameters on thermal conductivity of magnesium-based MMCs through Taguchi's orthogonal array approach', International Conference on Mechanical Engineering Design (ICMechD 2019), Sri Sivasubramaniya Nadar College of Engineering, Chennai, India, 25th - 26th April 2019.
- **Shetty Vignesh Uday, Hamritha. S** – 'Linear Programming in Market Management using Artificial Intelligence', International Conference on Mechanical Engineering Design (ICMechD 2019), Sri Sivasubramaniya Nadar College of Engineering, Chennai, India, 25th - 26th April 2019.

Funded Project:

- **Dr. M. Rajesh** – 'Study, Analysis and Optimization of workplace design parameters to improve worker efficiency through Taguchi's Orthogonal Array Approach', IEI.

Grant: Rs. 70,000/-

- **by Faculty/Students: Dr. R. Shobha, Associate Professor, Dept. of IEM, RIT, B'lore** – Invited as a Technical Program Chair – 1st International

Conference on Emerging Trends in Engineering, Innovative Science and Management (ICETEISM – 2019) organized by East West Institute of Technology, B'lore, in association with Technical Institute for Engineers – 18th May 2019.

- **Roshini Jacintha (USN: 1MS17IM039)** - Certificate of appreciation for participating and presenting a technical paper titled 'Application of six sigma methodology to redesign the pediatric health care system', in the International Conference on Mechanical Engineering Design held at Sri Sivasubramaniya Nadar College of Engineering, Chennai, on 25th – 26th April 2019.
- **Ashwini. N (USN: 1MS15IM013)** - Participated and presented a technical paper titled 'Prevention of water clogging using smart street lamps with security features' at CogNIE science 2019, A National level technical paper presentation competition, organized by the National Institute of Engineering, Mysuru and won Second place in Production and Management Stream, 11th April 2019.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Publications in Journals and Conferences:

- **Jagadish S Kallimani, Chekuri Sailusha, Pankaj Lathar, KG Srinivasa** – 'Development of Community Based Intelligent Modules Using IoT to Make Cities Smarter', International Journal of Fog Computing (IJFC), Vol 2, Issue 2, pp: 1st - 12th, May 2019, DOI: 10.4018/IJFC.2019070101, IGI Global.
- **Pradeep S, Jagadish S Kallimani** – 'The Different Tools and Technique to Handle Challenges in Big Data', 3rd IEEE International Conference on Electronics and Informatics (ICOEI 2019) 23rd -25th April 2019, Tirunelveli, India, 978-1-15386-9439-8.
- **Chandrika P, Jagadish S Kallimani** – 'Classification of Abusive Comments using Various Machine Learning Algorithms', The Springer 2nd International Conference on Cognitive Informatics & Soft Computing, ICCISC- 2019, 9th -10th April 2019.
- **Monish Narendra, Veena G S, Divakar Harekal, Jagadish S Kallimani** – 'Biometric based Attendance Management System using Cloud', The Springer 2nd

International Conference on Cognitive Informatics & Soft Computing, ICCISC- 2019, 9th -10th April 2019.

- **Mohan Kumar** - 'Study of Leaf disease using Deep Learning', International Journal of Computer Science and Engineering, Vol 7, Issue 4, pp 1036-1040 April 2019 Cross Ref-DOI <https://doi.org/1026438/ijcse/v7i4.10361040>.
- **Rajarajeswari S, Dhamini Poornachandra** - 'Role of Stop word removal in Sentiment Analysis', International Conference on Advanced Scientific Innovation in Science, Engineering and Technology (ICASISSET – 2019), 19th -23rd April 2019, Bharath Institute of Higher Education and Research (BIHER).
- **Rajarajeswari S, Devika Anil, Aravind** – 'Windows-based malware Prediction system using deep learning techniques-', IEEE 9th International conference on Recent Engineering and Technology 2019 (OSIET) 5th May 2019, New Horizon College of Engineering.
- **Rajarajeswari S** – 'Movie Recommendation System, Advances in Intelligent Systems and Computing, Emerging Research in Computing, Information, Communication and Applications', ERCICA 2018, Vol 1 Pages 329-340, Springer <https://www.springer.com/gp/book/9789811359521>.
- **Rajarajeswari S** – 'A Semi-Automated Paper Builder using Long-short Term Memory Neural Networks, Advances in Intelligent Systems and Computing, Emerging Research in Computing, Information, Communication and Applications ERCICA 2018, Vol 1 Pages 341-349 Springer eBook ISBN 978-981-13-5953-8 DOI .1007/978-981-13-5953-8 <https://www.springer.com/gp/book/9789811359521>.
- **AnaghaVembar, DivyaTantri, AkshitaSaxena, Abhishek Narayanan, Jagadish S Kallimani** – 'Development of Reading Comprehension System for Kannada Text Documents', International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol: 8, Issue 6S4, April 2019, ISSN: 2278-3075.
- **Sajini G, Jagadish S Kallimani** – 'Overview on Cache Transition Techniques for Semantic Graph Parsing for optimizing Search Process using Text Mining', International Journal of Innovative Technology and

Exploring Engineering (IJITEE), Vol: 8, Issue 7C2, May 2019, ISSN: 2278-3075.

- **P N Varalakshmi K, Jagadish S Kallimani** – 'Analysis and Optimization of Data Classification using k-means Clustering and Affinity Propagation Technique', International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol: 8, Issue 6S4, April 2019, ISSN: 2278-3075.
- **Shashank U, Venkatesh B N, Rajeshwari S B, Jagadish S Kallimani** – 'Identification and Contextual Semantic Retrieval of Polysemy Words, 7th International Conference on Applied Science Engineering and Technology (ICASET-19), 2nd -3rd May 2019 Bengaluru.
- **Chandrika Prasad, Anurag Hakeem, Rishabh Malhotra, Shahroz Ahmad Jan, Urvash Pratap Singh, Jagdish S. Kallimani** – 'Forensic Suicidal Inquiry of Depressed Individuals using LSTM and Convolutional Neural Networks', International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol: 8, Issue 6S4, April 2019, ISSN: 2278-3075.
- **K. Krishna Jyothi and Shilpa Chaudhari** - 'A Survey on Security Aspects of Machine-Type Communications in Long Term Evolution Networks', Jour of Adv Research in Dynamical & Control Systems, Vol. 11, 03-Special Issue, 2019, pp. 1874-1888.
- **G. Kalyani and Shilpa Chaudhari** – 'Survey of Security Approaches in Internet of Things Solution Architectures for Communication Layer', Jour of Adv Research in Dynamical & Control Systems, Vol. 11, 03-Special Issue, 2019, pp. 1889 – 1907.
- **Kalyani, G. and Shilpa Chaudhari** – 'An efficient approach for enhancing security in Internet of Things using the optimum authentication key', International Journal of Computers and Applications, 2019, pp.1-9.
- **Sanjeetha R, Appasaheb Chavan, K VinyasPai, Avnish Shah, Anita Kanavalli**, - 'Prevention of DDoS attack on Primary Server in Software Defined Networks using Controller by Packet Header Translation', International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue-6S4, April 2019.

- **Punya P Shetty, Varsha C M, Varsha D Vadone, ShaliniSarode, Pradeep Kumar D** - 'Customers Churn Prediction with Rfm Model and Building a Recommendation System using Semi-Supervised Learning in Retail Sector', International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-1, May 2019.

Achievements by faculty:

- **Dr. Parkavi A, completed enhancing soft skills and Personality** - online NPTEL course with Elite certificate during Jan- Apr 2019 for 8 weeks (Equivalent to one week FDP, as approved by AICTE through MOU, made between NPTEL and AICTE).
- **Dr. Parkavi A** Received Appreciation from NPTEL for Instrumental role as SPOC for NPTEL local chapter, Ramaiah Institute of Technology, Bangalore, which is rated as A (Top 100) colleges in India, based on performance in NPTEL online examinations of courses during January - July 2019.
- **Dr. ShilpaChaudhari and Aparna R** organized 36-hours "Rocket Community Build -2019" Hackathon during 25th - 26th April 2019
- **Dr. ShilpaChaudhari and Aparna R** has MoU for consultancy Project on Drug discovery platform" with University of Trans-Disciplinary Health Sciences and Technology, Bangalore on 7th May 2019 for six months.
- **Ms. Vandana Sudhakar Sardar**, a volunteer with Isha foundation for the last two years. As a part of the celebration of the International Day of Yoga 2019, conducted two Yoga sessions. The first session was conducted on 21st June 2019 for the Ministry of Labour, EPF office, K R Puram employees. 36 participants attended the session. The second session was conducted for Ceva Logistic, Bellary road on 5th July. Over 26 participants attended the session.
- **Dr. Jagadish S Kallimani**, Session Chair for REVA Research Conclave 2019, 23rd -24th May 2019, Reva University, Bangalore.
- **Dr. Jagadish S Kallimani**, Session Chair, International Conference on Advances in Computing and Information Technology, IACIT – 2019, 10th -11th May 2019, Reva University, Bangalore.

- **Dr. Mohana Kumara S** received the consultancy project titled "IT solutions to MEP design work and Evaluation (IT)" with two lakhs Lump sum professional fee for 18 months starting from April 2019, from M/S BPSS MEP Consultancy Service Gujarat.

DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

Paper presentation in National / International Conferences:

- **H.S. Niranjana Murthy** - 'A NARX Model to Predict Myocardial Ischemic Beats using ECG', 9th, International Conference on Recent Engineering and Technology, organized by OSIET, New Horizon College of Engineering, Bangalore, Vol.1, pp. 12, May 2019.
- **M.D. Nandeesh** – 'Tumor detection using enhanced FCM for multimodal brain images', 2nd, International Conference on Intelligent computing instrumentation and control technologies, Vimal Jyoti Engineering College, Kannur, Kerala, 5th-6th July 2019.

Student Publications:

- Ankita S Bhangle, N G Subhashree, K M Suma, Dr. Pushpa M K - 'Smart Waste Collection and Management System', 5th National Conference on Computational Control Systems and Optimization (CCSO-2019), Dr. AIT, Bangalore, 26th, April 2019.
- Anand Prabhat, Priyanshi Pal, Bhavana S Jain, Rohan Deshpande, M D Nandeesh - 'A Study on Perceptive Intelligent Mirror', 5th National Conference on Computational Control Systems and Optimization (CCSO-2019), Dr. AIT, Bangalore, 26th, April 2019.
- Rushee Gorrepati, Rajeswari, Nikitha.N, Prachi Sunlit Patel, Dr. A Saravanan – 'Accident Prevention System in Underground Coal Mines', 5th National Conference on Computational Control Systems and Optimization (CCSO-2019), Dr. AIT, Bangalore, 26th, April 2019.
- SeemaPatil, Pushpavathi K, Fathima Sahadiya N, M D Nandeesh - 'Speaking System for Mute People Using Hand Gestures', 5th, National Conference on Computational Control Systems and Optimization (CCSO-2019), Dr. AIT, Bangalore, 26th, April 2019.

- Aishwarya C, Sanjana Goswami, Soumya S Nandikol, Ananya, G Shivaprakash – 'Smart Home Automation system', International Journal Research and Applications: Embedded system, HBRP Publications Pvt. Ltd., April 2019.
- Asha C, Yeginiti Swati Rudra, Nivea Rajesh Bekal, Ritisha Buragohain, Oval Ajay - 'JUIBOTER (Juice Robot Waiter)-Juice vending Machine with Autonomous Robot', National Level Technical Symposium organized by the Department of Information Science and Engineering, Sapthagiri College of Engineering, Bangalore, 26th, April 2019.
- Abhijit Patra, Arjun Janardhan, Sagnik Das, Uttkarsh Raj, Dr. H S Nirnjan Murthy - 'IOT based Rationing System', 5th National Conference on Computational Control Systems and Optimization (CCSO-2019), Dr. Ambedkar Institute of Technology, Bangalore, 26th, April 2019.
- Shubham, K Siddhanth, Ashwin Bahadur, Arpit Agarwal, Vibha B Raj – 'War Field Surveillance Robot', 9th International Conference on Recent Engineering and Technology, New Horizon College of Engineering, Bangalore, 5th, May 2019.
- Sambhav Jain, Sushanth D, Varsha, Vijetha N Bhat, J V Alamelu - 'Design and Implementation of the Smart Glove to aid the visually impaired', 8th IEEE International Conference on Communication and Signal Processing, Adhiparasakthi Engineering College, Melmaruvathur, Tamilnadu, India, 4th-6th, April 2019.
- M Calvin Isaac, Prasaanth R, Rahul Holla M, Shiva Prasad R, K M Vanitha – 'Automation of logistic services using Optical Character Recognition', 3rd National Conference on Robotics, Automation, Control and Embedded Systems organized by GSSS Institute of Engineering & Technology for Women, 10th, May 2019.
- Alfred Samuel P, Akshay Chaudhary, Sheirly S, Achyut Gupta, Vibha B Raj - 'Patient Monitoring and Medication Remainder', International Conference on Electrical, Electronics, Computer Science and Information Technology, Bangalore, 25th, May 2019.

Achievements by Student:

- **Shubham, K Siddhanth, Ashwin Bahadur, Arpit Agarwal** of 8th semester, won the best project award

in 'IEEE Project Expo-2019' organized by GSSS Institute of Engineering, Bangalore.

- **Justin Ritish** of II semester has got the scholarship from Avery Dennison foundation of USD1300.
- **Suhas S Patel** of II semester won Gold medal in Kickboxing organized by Wako India National Kickboxing federation.

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



- Workshop on "Content Creation and Assessment through Online Platform" On 26th June 2019. Department in association with Digital Ed conducted a one-day workshop on content development using Mobius software. Topics like Introduction and overview of Mobius and Maple, Demo and Training on navigation, class organization, content repository, plus content organization, Demo and Training on Question Creation like all basic question types, Advanced Maple Questions, images/videos, algorithms, feedback, plus plain text pieces, Demo and training on Slideshow Authoring, Assignment Creation, Lesson, and Unit Creation, Demo and training on the Grade book and Demo and training on Lesson Authoring were covered in the workshop.



- Seminar on Project Opportunities at Myndpool, Germany on 3rd April 2019: Mr. Ben Heydecke, Product Developer and Founder of Myndpool, Germany, addressed the students of ISE & CSE on the topics of Artificial Intelligence, Machine Learning and Data Analytics on 3rd April 2019. He extended an invitation to interested students to carry out projects at Myndpool.

International Publications – Faculty

- **Deeksha D R, Pushpalatha M N** – 'Prediction of Priority and Severity in the Bug Reports', 5th National Conference on Multimedia Technology and Communication System, May 2019.
- **Sindhu Sumukha, George Philip C** - 'A Review on Road Traffic Accident Data Analysis', Journal of Emerging Technologies and Innovative Research, March 2019.
- **Sangeetha Reddy, Shruthi G** – 'A Survey on crop yield recommender system in agriculture', International Journal of Scientific Research and Reviews (IJSRR) Vol.7, 05th May 2019.
- **S R Mani Sekhar, Siddesh G M, Srinivasa K G, and Sunil Kumar Manvi** – 'Optimized Focused Web Crawler with Natural Language Processing Based Relevance Measure in bioinformatics web sources', Cybernetics and Information Technologies, Bulgarian Academy of Sciences, pp.1-9, Vol.19, Issue 02, June 2019.
- **Naresh E, Vijaya Kumar B. P, Niranjanamurthy M** – 'Challenges and Issues in Test Process Management', RTCAIT, 19th -20th April 2019.
- **Mohith Manohar, Naresh E and Vijaya Kumar B P** – 'Security and Privacy in Smart Systems', Alliance International Conference on Artificial Intelligence and Machine Learning, 26th -27th April 2019.
- **Jamuna Murthy, Siddesh G M, K G Srinivasa** – 'A Real-Time Twitter Trend Analysis and Visualization Framework", International Journal on Semantic Web and Information Systems (IJSWIS), IGI Global Publishers Special Issue Submission: Social Networks and Semantic Integration, IGI Global Publishers, Vol.15, Issue 02, 2019
- **S R Manisekhar, Siddesh G M, Swapnil Kalra, Shaswat Anand** – 'A Study of Use Cases for

Smart Contracts using Blockchain Technology', International Journal of Information Systems and Social Change (IJISSC), Special Issue Submission: Blockchain Technology: Platforms, Tools, & Use Cases, IGI Global Publishers, Vol.10, Issue 02, 2019, April - June 2019.

International Conference

- **Shashank U, Venkatesh B N, Rajeshwari S B, Jagadish S Kallimani** – 'Identification of Polysemy Words: A Brute-force Approach', International Conference on Applied Science, Engineering and Technology(ICASET-19), 2nd -3rd May 2019.

Achievements – Students

Narendra Summer Internship 2019 - The Department of Computer Science and Automation (CSA), Indian Institute of Science have selected following students from Department of ISE for Narendra Summer Internship 2019.

- Nagarakshitha (MSRIT - ISE) Mentor: Prof. Y Narahari
- K. S. Lohith (MSRIT - ISE) Mentor: Prof. Y Narahari
- Prajwal S. Naidu (MSRIT - ISE) Mentor: Prof. Chiranj B Bhattacharyya

DEPARTMENT OF MEDICAL ELECTRONICS

Publications in National / International Journals:

- Shivarudhrappa, Raghu, Sriraam, Natarajan & Temel, Yasin & Vasudeva Rao, Shyam & Satyaranjandas Hegde, Alangar & Kubben, Pieter. - 'Performance evaluation of DWT based sigmoid entropy in time and frequency domains for automated detection of epileptic seizures using SVM classifier'. Computers in Biology and Medicine. 110. 10.1016/j.compbmed.2019.05.016. 110 (2019) 127-143, Elsevier, UK

Paper presentation in National /International Conferences:

- **Mr. S.J Mahendra** – 'Integration of Gyroscopes & Force Sensitive Resistors for Gait Analysis of Lower Limb Injury Rehab', 4th International Conference on Recent Trends in Electronics, Information, Communication & Technology (RTEICT-2019) 17th

-18th May 2019.

Funded project:

- **N Sriraam, Purnima B R**, received a fund of Rs. 9,000/- by 'Alumni Funding' towards Final Year project team comprising of Arpitha R and Ananya pursuing the project titled – "Breath sensors to assess nostril dominance".

Achievements /Awards /Prizes:

- **Dr. N Sriraam**, Professor and Head, appointed as reviewer for IET Electronics UK and Elsevier Information in Medicine unlocked on 10/04/19.

Student achievements:

Winners of the open day Project Exhibition PRADARSHANA -2019:

- **Architha Babu, Arpitha T C, M Vidhyashree, Smart Baby Monitor** – Infant Cry Analysis and Pain, under the guidance of Dr. Sriraam, Tejaswini S, Dr. Pradeep, received cash prize of Rs. 5000.
- **Anoop Mathew, Ashutosh Sahu, Kushal S, Rithika Ravichandran**, An Improvising CPAP for Pulmonary Applications, under the guidance of Dr. N Sriraam, N S Nagendra Prasad, received Best Alumni Project and the cash prize of Rs. 3000.

DEPARTMENT OF TELECOMMUNICATION ENGINEERING

Publications (National / International) Journals:

- **Ramya H R, B K Sujatha** – 'Fine-grained medical image fusion using type-2 fuzzy logic', Indonesian Journal of Electrical Engineering and Computer Science, May 2019.

Paper presentation in National / International Conferences:

- **Umesharaddy Radder, B.K. Sujatha** – 'Performance Improvement of QPSK MODEM in AWGN Channel Implemented in FPGA', 4th IEEE conference on recent trends on Electronics, Information, Communication & Technology (RTEICT), Sri Venkateshwara College of Engineering, Bangalore, 17th -18th May 2019.
- **Sneha N, Ramya H R** – 'Melanoma skin cancer

detection using different feature extraction methods and SVM classifier' 4th IEEE conference on recent trends on Electronics, Information, Communication & Technology (RTEICT), Sri Venkateshwara College of Engineering, Bangalore, 17th -18th May 2019.

- **Srujana Naik, Umesharaddy Radder** – 'Verification of Mixed-Signal IPs', 4th IEEE conference on recent trends on Electronics, Information, Communication & Technology (RTEICT), Sri Venkateshwara College of Engineering, Bangalore, 17th -18th May 2019.
- **Nandini G, Nisha S L** - 'Performance analysis of water quality monitoring system using image processing', 4th IEEE conference on recent trends on Electronics, Information, Communication & Technology (RTEICT), Sri Venkateshwara College of Engineering, Bangalore, 17th -18th May 2019.
- **Manasa S, Girija S, Arpitha V, Shalini V and Nisha S L** – 'Implementation of Energy Efficient Precision Agriculture and Security System for Smart Village', 4th IEEE conference on recent trends on Electronics, Information, Communication & Technology (RTEICT), Sri Venkateshwara College of Engineering, Bangalore, 17th -18th May 2019.
- **Rakshan T A, Syed Fauzan, Swetha Amit** – 'Study and Analysis in reduction of Specific Absorption Rate (SAR) in Human body using Wearable Antenna for BAN Applications', 4th IEEE conference on recent trends on Electronics, Information, Communication & Technology (RTEICT), Sri Venkateshwara College of Engineering, Bangalore, 17th -18th May 2019.
- **Ashwini K S, Panchami Prabhu, Shreyas S Nayak, Swetha Amit** – 'Miniaturized rectangular patch antenna using defected ground plane', 5th National Conference on Advancements in Information Technology NCAIT-2019, JSS Academy of Technical Education, Bangalore, 10th -11th April 2019.

Guest Lecture delivered by the department faculty:

- **Prof. S J Krishna Prasad, Associate Professor**- "AC & DC Fundamentals" for the participants of SUSIEC 2019 at IETE Bangalore Centre on 30th April 2019.
- **Dr. Swetha Amit**- "Communication Systems and its recent trends" for the participants of SUSIEC 2019 at IETE Bangalore Centre on 08th May 2019.

- **Dr. S G Shivaprasad Yadav**- "Data Communication Networks – "Recent trends and Applications" for the participants of SUSIEC 2019 at IETE Bangalore Centre on 12th May 2019.

Achievement by Students:

The following UG students were awarded Best Project:

- **Mr. Akhilesh.P**- USN: 1MS15TE002, Mr. Chirayu Jain- USN: 1MS15TE017, Mr. Girish M- USN: 1MS15TE023 and Mr. Nabeel Ahmed S- USN: 1MS15TE031 won cash prize of Rs. 5000/- (First Prize) for the project titled "GAIT Disorder Assessment using Sequence Learning".
- **Mr. Ankisha Walia** - USN: 1MS15TE004, Mr. Santoshi Sneha Tadanki - USN: 1MS15TE057 won cash prize of Rs. 3000/- (Second Prize) for the project titled "Machine Learning study of Elite football players by their anthropometric composition and motor fitness".



- A One Day workshop on Basic Molecular Biology Techniques was organized by the Department of Biotechnology on 12th April 2019 at RIT, Bengaluru. This training program was intended for Faculty and Post Graduate Students of Department of Conservative Dentistry and Endodontics, Faculty of Dental Sciences, Ramaiah University of Applied Sciences Bangalore. Both basic and advanced-level Molecular techniques were covered during the one day hands-on workshop.

DEPARTMENT OF BIOTECHNOLOGY



Departmental Activities

- The Department of Biotechnology and Chemical Engineering, Ramaiah Institute of Technology organized a Faculty Development Programme on "2D and 3D Models of Cell Culture and their Applications" from 17-22 June 2019 in collaboration with ReaGene Biosciences Pvt. Ltd. And HiMedia Laboratories Pvt. Ltd., Bengaluru, under IEEE EMB for the benefit of faculty and research scholars.



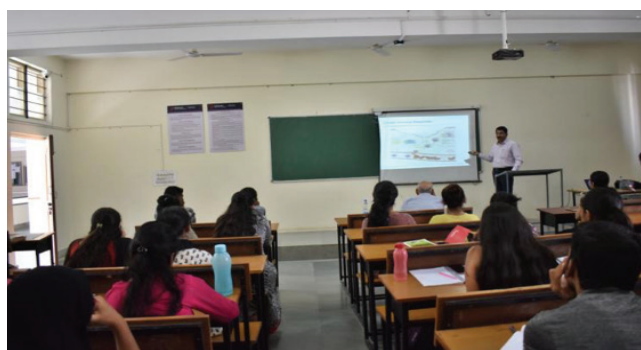
- An industrial Visit to ReaGene Biosciences Pvt Ltd, Bengaluru was organized on 21st June 2019.
- **Seminar Series on Recent Advances in Drug Discovery & Development** was organized from March to May 2019 by Department of Biotechnology & Biocon Bristol Myers Squibb, Bengaluru Under IEEE-EMB.
- An industrial Visit to ReaGene Biosciences Pvt. Ltd, Bengaluru was organized on 21st June 2019.
- Workshop on 'Recent Advances in Drug Discovery & Development' from March-May 2019 organized by Department of Biotechnology, Ramaiah Institute of Technology, Bengaluru & Bristol Myers Squibb, Bengaluru under IEEE-EMB.



- Dr. Sambuddho Mukherjee, Associate Director, Discovery Biology & Translational Science, Biocon Bristol Myers Squibb (BMS) R&D Center (BBRC), Bengaluru 560099, delivered an invited talk on "Targeting complex disease: aging, immunity and fibrosis" on 5th April 2019.



- Dr. Sandhya Mandlekar, Director, External Portfolio, Biocon Bristol Myers Squibb (BMS) R&D Center (BBRC), Bengaluru 560099, delivered an invited talk on "Drug Disposition & Pharmacokinetics" on 30th April 2019.



- Dr. Shailesh Dudhgaonkar, Associate Research Director, BBRC Biocon Bristol Myers Squibb (BMS) R&D Center (BBRC), Bengaluru 560099, delivered an invited talk on "Drug discovery in Immunosciences" on 3rd May 2019.

Guest Lecture- Invited:

Prof. Simon Dawson, Senior Lecturer, Food Science &

Technology, Cardiff Met University, UK, delivered an invited talk on "New Product Development" on 23rd April 2019.



Funded projects:

LIST OF FUNDED R & D PROJECTS (MAJOR)

Name of Principal Investigator and Co Investigator	Project Title	Funding Agency	Sanctioned Amount (Rs)	Period	Status of completion
Dr. Bindu S & Dr. Dhamodhar P	BiSEP 2017 (Biotechnology Skill Enhancement Programme) Domain: Biopharmaceutical Technology	KBITS, Govt. of Karnataka	162.5 Lakhs	2017-2022	Ongoing
Dr. Chandrabhabha 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	23.72 Lakhs	2017-2020	Ongoing

Student Achievements

- **Recipients of INSA Fellowship for Summer Internships**

Priyanka V at Amity University, Noida

Pallavi Babu at University of Delhi, New Delhi

Shruthi Mohan at Plant Genome Research, New Delhi

Hashvitha at Indian Institute of Science Education & Research, Kolkata

Ankita Jha at National Institute of Immunohaematology, Mumbai

- **Recipients of JNCASR Summer Research Fellowship**

Srujana Kulkarni at ACTREC, Mumbai

Vidhyashree V at Indian Institution of Science Education and Research, Tirupati

DEPARTMENT OF MATHEMATICS

Publications in (National / International) Journals:

- **Kavith N** - 'Effect of Non-inertial acceleration on heat transport by Rayleigh –Benerd Magneto convection in Boussinesq Stokes suspension with variable heat Source', Int. J Applied Engg. Research, Vol. 14, 2126-2133, 2019.
- **Dinesh P. A** - 'Non-Linear Mathematical Modelling of Nylon-6 Polymerization Reactors', Global Journal of Researches in Engineering: C Chemical Engineering, Vol. 19, Issue 1, 27th August 2019.
- **Girinath Reddy, Dinesh P. A. and Basavaraj M. S** - '3D Rotating Flow of Casson Fluid Over an Elongated Surface with Thermophoresis and Brownian Moment: Buongiorno Model', Journal of Nanofluids, Vol.8, Pg. No 1-6, 2019
- **Basavaraj M. S** - 'Instability of MHD fluid flow through a horizontal porous media in the presence of transverse magnetic field – A linear stability analysis', The journal of the Indian Mathematical Society, 2019.

Guest Lecture:

- Dr. E Vasantha Kumar, Retired Professor, UAS, Bengaluru, - 'Probability Distributions', 31.05.2019.

Faculty who obtained Ph.D. Degree



Mr. Aruna A S awarded Ph.D. in Mathematics from VTU, Belagavi for the thesis titled "Heat transport by Rayleigh-Benard convection in variable viscosity Newtonian liquids with heat source/sink" under the guidance of Dr. V Ramachandramurthy, Professor (Retd.), Dept. of Mathematics, RIT, Bengaluru.

DEPARTMENT OF CHEMISTRY



- In association with R & D center, Department of Chemistry, RIT and LSIKC conducted a program called 'Interaction with Scientist'; in which Prof. K.R.V. Subramanian, Professor, Department of Mechanical, Research coordinator of RIT, participated and interacted with faculty and research scholars on the topic 'Latest Developments in Materials Science - Nano Plastic' on 21-05-2019.



- Two-day's workshop 'Raitha Sambruddhi-2' was conducted for Farmers at Chellagurki, Errithatha Temple, Bellary District. This program was arranged by Luminescence Society of India: Karnataka Chapter (LSIKC) in association with MHR Foundation, Bangalore on 15th and 16th June 2019.



- Two-day's workshop 'Raitha Sambruddhi-2' was conducted for Farmers at Chellagurki, Errithatha Temple, Bellary District. This program was arranged by Luminescence Society of India: Karnataka Chapter (LSIKC) in association with MHR Foundation, Bangalore on 15th and 16th June 2019.



- In association with R & D center, Department of Chemistry, RIT and LSIKC conducted a program called 'Interaction with Scientist'; in which Prof. K R Subramanian, Professor, R & D coordinator, Department of Mechanical, RIT, participated and interacted with faculty and research scholars on the topic 'Effect of nanomaterials on enhancement of diesel engine performance', 07-06-2019.



- 'Knowledge Sharing with Villages/Formers', an innovative program conducted by Luminescence Society of India: Karnataka Chapter (LSIKC). Under this program, LSIKC members interacted with Natural Farmer Sri. Thammaiah, Choudikatte – Village, Near Hunusuru, 05-06-2019.

Publications (National / International) Journals

- Dr. R. Hari Krishna, Dr. B.M Nagabhushana, C Manjunatha** - 'Optical transition probabilities of white light emitting Sr_2SiO_4 : Dy^{3+} nanophosphors for lighting applications using Judd – Ofelt analysis', Journal of Luminescence, Vol.211, (2019) Page:437-445.

- Dr. M N Manjunatha** – 'Synthesis and Crystal Structure Studies of Bis-[1-(p-methoxybenzyl)-2-(p-methoxyphenyl)-1H-benzimidazole] tetrabromidodcadmate(II)' Chemical Science Transactions, Vol. 8, No.2, pp 244-248, May. 2019.
- Dr. Nagaraju Kottam** - 'Evaluation of Antibacterial and In vivo Wound healing activity of Carbon Dot nanoparticles', Nanoscale Reports, Vol. 2, (2019) Page: 11-23.
- Dr. B.M. Nagabhushana, Dr. Nagaraju Kottam, M. Mahadeva Swamy** - 'Kinetics and Isotherms Studies of methylene blue Basic Dye from Aqueous Solution onto Selenicereus grandiflorus Activated Carbon'. Asian Journal of Materials Chemistry, Vol. 4, (2019) Page: 1-6.
- Dr. Nagaraju Kottam** - 'Multifunctional properties of microwave-assisted bioengineered nickel doped cobalt ferrite nanoparticles'. Journal of Sol-Gel Science and Technology, (2019) Pg.No 1-18.
- Dr. B.M. Nagabhushana, C.R Manjunatha** – 'Perovskite lanthanum aluminate nanoparticles applications in antimicrobial activity, adsorptive removal of Direct Blue 53 dye and fluoride', Materials Science and Engineering: C, Vol.101, (2019) Page: 674-685.
- Dr. B.M. Nagabhushana, A Sangeetha,** - ' Tm^{3+} doped, Yb^{3+} sensitized upconversion photoluminescence and IR emission in zirconium titanate nano composites'. Optik, Vol.188, (2019) Pg.No 40-45.

Paper Presentation in National Conference:

- Dr. Sharanabasappa B. Patil** - 'Isolation, Photochemical Screening and Analgesic Activity of Various Extracts of Rauwolfia Serpentina', during International conference on Advances in Materials Research (ICAMR-2019), Organized by Department of Chemistry and Mechanical & Manufacturing Engineering, Ramaiah University of Applied Sciences, Bangalore on 25th - 27th July 2019.
- Dr. M N Manjunatha** – 'Crystal Structure, Spectral Characterization and Anticancer activity of New mononuclear Transition Metal complexes derived from 1-(p-methoxybenzyl)-2-(p-methoxyphenyl) benzimidazole ligand'. National Conference on Current Trends in Physical and Mathematical

Sciences (CTPMS-2019). Dr. Ambedkar Institute of Technology, Bangalore, May 2019.

- **Dr. M N Manjunatha** – 'Synthesis and Photocatalytic activity of Nano-Iron oxide in the degradation of Methyl Orange Dye Solution'. National Conference on Current Trends in Physical and Mathematical Sciences (CTPMS-2019). Dr. Ambedkar Institute of Technology, Bangalore, May 2019.

Guest Lectures – Delivered by Department Faculty

- **B. M. Nagabhushana** – 'Low temperature synthesis of nano-materials and their applications', National conference on 'Current trends in physical and mathematical sciences' (CTPMS- 2019)", Dr. Ambedkar Institute of Technology, Bengaluru, 7th – 8th June 2019.
- **B. M. Nagabhushana** – 'Nano metal oxides: Low temperature synthesis and applications', Department of Physics, B.M.S. College of Engineering is organizing Faculty Development Program on 'Current Research Trends in Applied Physics' during June 10-14, 2019 under TEQIP III.

DEPARTMENT OF PHYSICS

Publications in (National/International) Journals:

- **A. Jagannatha Reddy** - 'Photo and thermoluminescence properties of single phase white light emitting $3+Y_2-xSiO_5: xDy$ nanophosphor: a concentration dependent structural and optical study', Applied Physics A, (June 2019) 125:526.
- **K.L. Sandhya** - 'Tuning the fluorescence behavior of liquid crystal molecules containing Schiff-base: Effect of solvent polarity', Journal of Luminescence, 210 (2019) 371–375.
- **B. Siddlingeshwar** - 'Experimental and theoretical insights on the effect of solvent polarity on the photophysical properties of a benzanthrone dye', Spectrochimica Acta Part A (2019) 218: 221.
- **Raveendra Melavanki, Kalpana Sharma, S Vijayanthimala** - 'Effect of preferential solvation and bimolecular quenching reactions on 3OCE in Acetonitrile (AN) and 1, 4-Dioxane (DX) binary mixtures by optical absorption and fluorescence studies', Luminescence, 2019;1–9. <https://doi.org/10.1002/bio.3692>.

[org/10.1002/bio.3692](https://doi.org/10.1002/bio.3692).

- **Dr. Raveendra Melavanki** - 'Exploring the influence of silver nanoparticles on the mechanism of fluorescence quenching of coumarin dye using FRET', Journal of Molecular Liquids, Available online 23rd July 2019.

Funded Project:

- Dr. Kalpana Sharma: Exploring the fluorescent spectroscopic, quantum chemical and Z scan properties of novel chalcones based fluorochemosensors for heavy metal ion detection and optical limiting properties, VGST, Rs. 5 lakhs.

MASTER OF COMPUTER APPLICATIONS



- **Industry visit:** Department of Master of Computer Applications conducted Industry visit IBM India Pvt Ltd, Koramangala, Bangalore for MCA students on 23rd April 2019. IBM is partnering with Academia to enable market readiness by providing an opportunity to visit the IBM campus to understand how the IT industry works. Topics discussed- About IBM, Problem-solution methods, Market readiness, IT Trends, Quantum Computing, and Entrepreneurship: how IBM & Govt. can support, how data will store in the Data Center and IBM Data Center visit.

Publications in National/International Journals:

- **Ch. Ram Mohan Reddy, D. Evangelin Geetha, R. V. Raghvendra Rao, T.V. Suresh Kumar** – 'Transformation of User Interface to Activity Models and Assessing Performance of WA/WS', Journal of Software Engineering and Applications, pp. 101-126, 12th May 2019.
- **Dr. Niranjnamurthy M, Dr. S Jagannatha, Dr.**

Manju Khari, Dr. Bhawna Nigam – 'Implementation of Activity Dashboard in online shopping Industry Internal Tool-OMS', International Journal of Innovative Technology and Exploring Engineering ISSN: 2278-3075, Vol.8, May 2019.

- **Dr. Bhawna Nigam, Himanshu Dugar, Dr. Niranjana Murthy M** – 'Effectual Predicting Telecom Customer Churn using Deep Neural Network', International Journal of Engineering and Advanced Technology ISSN: 2249-8958, Vol.8, June 2019.

MASTER OF BUSINESS ADMINISTRATION



- Two days National Seminar on "Green Economy and Sustainable Development: Challenges and Issues" on 7th and 8th June 2019. The seminar aims to bring more awareness about the green economy, to identify the challenges of green economy and sustainable development, to identify the suitable strategies. The host of the inaugural session was Mr. Sandeep, first-year MBA student, Department of Management Studies, RIT, who briefed the importance of green economy and sustainable development into our lives. He welcomed the dignitaries, faculty members and participants from various institutions.

Publications in (National /International) Journals:

- **Mrs. Jyothi. E. Singh** – 'The influence of behavioral factors in Equity Investment Decisions', An exploratory analysis in the International Journal for Research in Engineering Application & Management, ISSN: 2454-9150.

Paper presentation in International /National Conferences:

- **Dr. Y.M. Satish** - 'Social Entrepreneurship in

Karnataka Tourism – 'An intervention for local community development' in the "Green Economy and Sustainable Development: Challenges and Issues", on 7th - 8th June 2019.

- **Dr. S. Santhosh Kumar** - 'Social Entrepreneurship in Karnataka Tourism-An intervention for the local community development' in the "Green Economy and Sustainable Development: Challenges and Issues", on 7th - 8th June 2019.
- **Dr. G. Vijaya Kumar** – 'Social Entrepreneurship in Karnataka Tourism-An intervention for the local community development' "Green Economy and Sustainable Development: Challenges and Issues". 7th - 8th June 2019.
- **Dr. P.V. Raveendra** – 'Ecotourism as a boost for swatch Bharat Abhiyan in Karnataka State" in the "Green Economy and Sustainable Development: Challenges and Issues" on 7th - 8th June 2019
- **Dr. S. Santhosh Kumar** – 'Ecotourism as a boost for swatch Bharat Abhiyan in Karnataka State, in the "Green Economy and Sustainable Development: Challenges and Issues, 7th - 8th June 2019.
- **Mrs. Jyothi. E. Singh** – 'Ecotourism as a boost for swatch Bharat Abhiyan in Karnataka State' in the "Green Economy and Sustainable Development: Challenges and Issues", 7th - 8th June 2019.

Achievements Awards/Prizes by Faculty/Staff/Students:

- **Tauqeer Mohammed** - secured 1st prize for presenting a case titled "Unlocking Companies True Potential through Demergers" at KLS Gogte Institute of Technology, Belagavi on 26-04-19.
- **Shahid Ahmed** - secured 1st prize for presenting a case titled "Unlocking Companies True Potential through Demergers" at KLS Gogte Institute of Technology, Belagavi on 26-04-19.
- **Sandeep K. R** - secured 1st prize in the event Chakravayuh (Best Manager) in RUDRAKSH 2019 at New Horizon College of Engineering, Bangalore on 13-04-19
- **Sandeep K.R** - secured 1st prize in Marketing Manager event at BIZ-O-MANIA 2019 at Acharya Bangalore B-School on 24-05-2019.

- **Rohit K** - secured 2nd prize in HR Manager Event at BIZ-O-MANIA 2019 at Acharya Bangalore B-School on 24-05-2019.
- **Nandish S. R. Gokul** - secured II prize in HR Manager Event at BIZ-O-MANIA 2019 at Acharya Bangalore B-School on 24-05-2019.

Rank Holders:



Name : Gayatri Hegde

USN : 1MY16MBA41

Rank : I



Name : Nishanth. S.N

USN : 1MS17MBA34

Rank : II



Name : Siddarth.S. Rao

USN : 1MS17MBA49

Rank : III



Name : Sushmita.Y. Suvarna

USN : 1MY17MBA50

Rank : IV

NATIONAL SERVICE SCHEME



- On May 21st, 2019 Anti-Terrorism day is observed to provide knowledge to the youth about terrorism, its impact on human suffering and lives. It is necessary to propagate the message of humanity and peace among the youth considering the growing fear of terrorism. On this occasion, we at NSS RIT organized a session on the same which was presided by Mr. Jayanna H K, Headmaster, Ramaiah High School.



- The International day of Yoga was celebrated in Ramaiah Institute of Technology (RIT) on the 21st of June 2019. Srimati Leela Narayan as our chief guest and she briefed us about the significance and importance of Yoga.





- NSS team from Ramaiah Institute of Technology participated in the state level blood donation camp organized in association with the Indian Red Cross Society at Gandhi Bhavan on 26th June 2019 from 10:00 am to 3:30 pm. The volunteers actively participated in the event and many of them out of their own will came up to donate blood, contributing to a good cause.

DEPARTMENT OF SPORTS

Achievements:

- **Basketball [Men]** - Winners in NHCE CUP 2019 an Inter Collegiate Tournament organized by New Horizon College of Engineering, Bangalore, held from 3rd to 5th April 2019.
- **Volleyball [Women]** - Winners in NHCE CUP 2019 an Inter Collegiate Tournament organized by New Horizon College of Engineering, Bangalore held from 3rd to 5th April 2019.
- **Cricket [Men]** – Second Runner Up in VTU Inter Zone [State Level] Tournament organized by SJGIT, Chikkaballapur held from 8th to 17th April 2019.
- **Hockey [Men]** – Winners in VTU Bangalore Central Zone Inter Collegiate Tournament organized by Ramaiah Institute of Technology, held on 15th & 16th April 2019.
- **Hockey [Women]** – Second Runner Up in VTU Single Zone [State Level] Inter Collegiate Tournament organized by Siddaganga Institute of Technology, Tumkur, held on 19th & 20th April 2019.
- **Kabaddi [Men]** – Runners in VTU Bangalore Central Zone Inter Collegiate Tournament organized by Bangalore Institute of Technology, Bangalore held on 29th & 30th April 2019.

Organization of VTU Tournament:





- Organized VTU Bangalore Central Zone Hockey Men Tournament 2019-20 on 15th & 16th April 2019 in Ramaiah Sports Ground. Six Teams have participated in the Tournament and Ramaiah IT Secured Winners Position and NHCE Secured Runners Position.



- Chief Guest speech has given by Dr. NVR Naidu, Principal, RIT.



- Speech by Dr. C G Puttappa, Vice Principal, RIT.

- Organized Annual Sports prize distribution and Felicitation to Sports Achievers of 2018-19 programs held on 15th May 2019. Welcome speech by Dr. N Sriraam, Vice Chairman, Sports Committee, RIT.



- Felicitation to College Basketball [Men] Team and Coach for Winning of 14 Tournaments in the year 2018-19.

- Annual Sports report by Dr. Kiran Kumar H K, Director of Physical Education, RIT.



- Felicitation and Cash Awards has been given to College Sports Achievers, represented India, State and VTU for the year 2018-19.



- College Cricket Team players collecting Cash award by Principal Dr. NVR Naidu.



- Prize distribution to Staff Cricket Winners



- Prizes have been distributed to Staff Throw Ball Winners.



- Overall Team Championship Trophy bagged by ISE department.

ENTREPRENEURSHIP DEVELOPMENT CELL

START-UP	Founder	Description
Aidapp	Mr. Divyansh Lohia Mr. Yash Bhartia	The team is committed to build revolutionary products with a single vision of transforming the sales management in India. The team has built 'Saledrive' - The simplest sales team tracking compliance for enterprises. They currently work from Bangalore and want to create a supportive and collaborative environment, so that they can learn, build and grow together and move the world forward.
Waani.io	Mr. Mohit Shrivastava Mr. Lakshya Thareja	They are building an interest -based, social network where we can have discovered and be heard by likeminded people in a non-judgmental way. It gives freedom to post on social media without social anxiety or the fear of backlash.
E-Drives	Mr. Suraj Singh Mr. Sumit Kumar	A technology driven startup which aims to provide modular electric bicycle conversion kits. The kit can be mounted on any bicycle and convert it into a smart bicycle that aims to improve lives of thousands of people.
Sarya mobility pvt ltd	Mr. Gowrav L and Mr. Ravi	Sarya mobility pvt. Ltd is building electric two wheeler in order to reduce the pollution and help city dweller commute smarter and healthier way.
Ajgene sciences	Miss Arpita R and Team	Ajgene sciences is a biotechnology consultancy service based industry which provides services in invitro diagnostic-healthcare platform.
Modular photobioreactor	Mr. Shashidhar BA	Modular Photobioreactor is a biotechnology consultancy service based industry which provides services in algae production, maintenance and supply of cultures and production of biofuels. It is mainly research and development based services and also includes commercial services.
Mesh3D Printing	Mr. Jaya raj V	Provide 3D printing solutions to different industries.

DEPARTMENT OF EXTRA-CURRICULAR ACTIVITIES

Organized its Annual Showpiece UDBHAV '19 from the 25th to 27th of April 2019. The overall theme for this year's edition of the Cultural Extravaganza was movies with the tag line "It's Showtime". One of the biggest and most popular college fest in Bangalore, it attracted a footfall of approximately 15,000 people with participants from all over the State. This year we hosted 24 inter-collegiate and 11 intra-collegiate events across fields of art of art, music, dance, literature, theatre amongst many others. The theme centered around movies and film-culture made sure the campus popped with colour and eye-catching installations, transforming the college campus into fest-mode.

The fest hosted two evening attractions, one being in-house performances by the dance, music and fashion teams of RIT – an enormous crowd gathered with students of RIT and other colleges enthusiastic to see and support the incredible teams of RIT. The third night of the fest being the Pro-Night boasted the enthralling musical styling of PINEAPPLE EXPRESS, the coolest progressive fusion band of Bangalore. The night was an enormous success, energizing the crowd with rock, electronic and fusion music in a multitude of languages in a multitude of languages.

Udbhav '19 was a fest to remember and we look forward eagerly to the next edition!



DEPARTMENT OF HUMANITIES

Papers Presentation in National & International Conference:

- **Mr. Udayakumar H. M** - 'Significance of Green Economy and Technology innovation for Sustainable development', in ICSSR-IMPRESS, Sponsored-Two Day National Seminar on 'Green Economy and Sustainable Development: Challenges and issues' organized by Department of MBA, RIT, held on 7th & 8th June-2019.

LIBRARY AND INFORMATION CENTRE



- Library has organized Digital Literacy programme on EBSCO Business Core Collection E-Books for MBA Students & Staff on 14th May 2019.



- **Dr. Shivaputrappa Kattimani**, Librarian Invited as Rapporteur of Technical Session for National Conference on Innovations in Libraries (iiL-2019) organized by VTU, Belagavi in collaboration with LIS Academy and Department of Public Libraries, Govt. of Karnataka from 06th to 8th June 2019.



- **Dr. Shivaputrappa Kattimani**, Librarian attended Nodal Officers / Librarians Meeting of the VTU Consortium and Publishers Presentation at VTU Regional Center, Bengaluru on 29th June 2019. Library has organized Digital Literacy programme on IEEE IEL Online Journals for MCA Students & Staff on 14th May 2019.

Achievements:

- **Dr. Shivaputrappa Kattimani**, Librarian nominated as Working Committee Member for National Conference on Innovations in Libraries (iiL-2019) organized by VTU, Belagavi in collaboration with LIS Academy and Department of Public Libraries, Govt. of Karnataka from 06th to 8th June 2019.

PLACEMENT & TRAINING DEPARTMENT

The main Highlights-2019 batch

325 Companies visited & **1346 offers** made. This is all put together i.e., MBA, MCA, M. Tech & BE.

- 1) **33** startup companies on campus for recruitment drive.
- 2) Nearly **31** companies are first time visitors.
- 3) Campus selections by Armed Forces.
- 4) Overseas campus recruitments.
- 5) Highest package **40.63 LPA**.

Placements for 2020 batch are started from 01st July 2019.

Shell India has selected 22 students from 2020 batch.

Photos of students selected by Shell India



B AdithyaRao
USN:1MS16ISI31



Adarsha_HP
USN:1MS16CS008



Aditi.R.Athreya
USN:1MS16IS005



Anagha M Rajeev
USN:1MS16CS152



Anay Khator
USN:1MS16IS008



Ansh Arora
USN:1MS16IS013



Dhriti Wadhwa
USN:1MS16IS023



Elton Rayan Dsouza
USN:1MS16IS024



FARAZ.A.UMAR
USN:1MS16IS025



Hrishikesh Salpekar
USN:1ms16CS040



Vishwanath Doddamani
USN:1MS16CS113



Vivek V Hathwar
USN:1MS16IS119



Lakshya Sharma
USN:1MS16CS052



Nagarakhitha B R
USN:1MS16IS044



Vivek S
USN:1MS16CS114



Vybhav Jain
USN:1MS16IS144



Parth Venkatesh
USN:1MS16CS065



Amogh Simha
USN -



Rishu Verma
USN:1MS16IS074



Rohith J
USN:1MS16CS081



Sanjana S
USN:1MS16IS087



Sowmya C
USN:1MS16CS104

MSRIT ALUMNI ASSOCIATION

Scholarships:

- **Merit and Means Scholarship:** Engineering/ Architecture students of the institute who have academically excelled and are financially weak are provided scholarship under this scheme. Merit and Means Scholarships distribution function was arranged on 23th March 2019. Prof. C.G. Puttappa, Vice-Principal appreciated the alumni for their kind gesture of giving back to the alma mater. The Merit and Means Scholarships were distributed to forty-five students. Under this scholarship each student received an amount of Rs ten thousand only.
- **Shri Krishna P Godasi Scholarship:** Maganti Foundation had instituted the Krishna P. Godasi Scholarship, in the memory of Late Shri Krishna P. Godasi, for the students of any branch of engineering or architecture at M.S.R.I.T. Under this scholarship grant, full tuition fee for the entire B.E. / B.Arch course is provided to the academically excellent and needy students. The generosity of the donors for more than a decade has supported several deserving students of MSRIT who are now well placed and occupying good positions in organizations. This year they contributed 11.8 lakhs towards this Scholarship.



- **Project Funding:** This scheme was initiated to motivate our budding engineers to carry out quality projects, by providing some financial assistance by the association. Or alumni Sri K. Kannan have contributed towards the projects this year. This year thirty two projects were provided a total grant of Rs. 1.62 lakh.
- **Awards: Best Project Award:** In continuation of our encouragement to the students of RIT, the Alumni Association awards best projects of the year in each and every department. This year 29 projects were awarded on 27th May 2019. Sri Mohan V Kakde, Vice President, ABB and an alumnus was the Chief Guest of the farewell function.



- **Bus Pass Scheme:** Every year the association supports financially weaker students by providing Bus pass. Under this scheme alumni association provided a grant of Rs fifty-seven thousand to thirty-three students towards bus pass.

New Appointments:



Dr. K. Badari Narayana has over 37 years of experience in the field of Structural Mechanics, CAE and their applications in Aerospace Structural Components. He received his MBA from Karnataka State Open Univ. Mysore in 2011, Ph.D. from Indian Institute of Science, Bangalore in 1990, M.E. from Indian Institute of Science, Bangalore in 1983 and B.Sc. (Engg.) Honours in Mechanical Engineering - R E C, Calicut in 1978. Over sixteen years, he was with Indian Space Research Organization (ISRO) in the Structures Division of Satellite Centre, Bangalore. He worked as Engineering Manager and R & D Specialist at Aero Structures Group, Goodrich Aerospace Services, and Bangalore. He joined RIT as Emeritus Professor in the Department of Mechanical Engineering in May 2019.

Swami Vivekananda Quotes and Thoughts to Help Your Inner Wisdom

This attachment of Love to God is indeed one that does not bind the soul but effectively breaks all its bondage.

The great secret of true success, of true happiness, is this: the man or woman who asks for no return, the perfectly unselfish person, is the most successful.

Never think there is anything impossible for the soul. It is the greatest heresy to think so. If there is a sin, this is the only sin; to say that you are weak, or others are weak.

The cheerful mind perseveres and the strong mind hews its way through a thousand difficulties.

PRADARSHANA—2019



Power is of two kinds. One is obtained by the fear of punishment and the other by acts of love. Power based on love is a thousand times more effective and permanent than the one derived from fear of punishment.

- Mahatma Gandhi

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 Vidyaniketan
 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 by Gandhi on Education

- Literacy in itself is no education. Literacy is not the end of education or even the beginning. By education I mean an all-round drawing out of the best in the child and man-body, mind and spirit.
- Basic education links the children, whether of the cities or the villages, to all that is best and lasting in India.
- Love requires that true education should be easily accessible to all and should be of use to every villager in this daily life. The emphasis laid on the principle of spending every minute of one's life usefully is the best education for citizenship.
- Education should be so revolutionized as to answer the wants of the poorest villager, instead of answering those of an imperial exploiter.
- True education must correspond to the surrounding circumstances or it is not a healthy growth.
- What is really needed to make democracy function is not knowledge of facts, but right education.

Health Corner - unbalanced diet

A diet that does not have a proper mixture of nutrients such as proteins, carbohydrates, and fats is called an imbalanced (unbalanced) diet. An imbalanced diet can lead to bone fractures, heart disease, bleeding gums, and early death. Obesity is generally caused by eating too much unbalanced diet. If you consume high amounts of energy, particularly fat and sugars, but do not burn off the energy through exercise and physical activity, much of the surplus energy will be stored by the body as fat.

People around the world are realizing the side effects of eating too much rice or wheat in an unbalanced diet. It has been observed that eating excess amount of rice or wheat may cause obesity and can increase blood sugar levels. It can also affect general gut health for those sensitive to gluten. People these days have become more health conscious and are switching to millets for their carbohydrates requirements reducing rice and wheat intake. Millets have been quite popular for a long time in India; jowar, ragi, and bajra being the most popular. But our modern and fast lifestyle makes it challenging to include these millets in our daily diet.

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