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## Sampige

### A quarterly News Bulletin

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### From the Editorial Board

Greetings,



Quarterly News Bulletin respect your contribution and I look forward to your perpetual support in the coming all credits and much gratitude goes to the committed HODs, faculty, staff, and their teamwork. We genuinely want to believe that you completely appreciate perusing this issue. Any feedback or suggestions on the News Bulletin would be generally welcome all of the time.

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

Welcome to one more issue of 'Sampige', a quarterly News Bulletin of Ramaiah Institute of Technology, a pool of different events that happened at the institution and department level. The Editorial Board on behalf of the Management, faculty, and staff of RIT extends a warm welcome to all the newly joined First-year BE and B.Arch. students. All the endeavours have been made to compile information about the activities of the institution adequately since we consider this news bulletin as an effective communication tool. I trust that you will appreciate, enjoy reading this issue. Sampige,



special one. The editorial team would like to thank all the Heads of departments for submitting news, photographs, and information compiled here. While we have made a sincere effort, any error is deeply regretted. We look forward to your comments and suggestions. Through this issue of the Newsletter, I wish you all blissful and gratifying days ahead.

With best wishes  
**Dr. B.M. Nagabhushana**

Friends,

It is indeed a great pleasure to bring out this issue of the Sampige, a quarterly News Bulletin of Ramaiah Institute of Technology, a detailed collection of various activities held in the departments and the Institute. We wholeheartedly welcome all the newly admitted 1 year B.E and B.Arch. students to the team of RIT and congratulate all the graduates and the rank holders of various departments. Once again the editorial board has spared all its efforts in making this issue a

## RAMAIAH INSTITUTE OF TECHNOLOGY

### VISION OF THE INSTITUTE

To be an Institution of International Eminence, renowned for imparting quality technical education, cutting edge research and innovation to meet global socio-economic needs

### MISSION OF THE INSTITUTE

**RIT shall meet the global socio-economic needs through**

- Imparting quality technical education by nurturing a conducive learning environment through continuous improvement and customization
- Establishing research clusters in emerging areas in collaboration with globally reputed organizations
- Establishing innovative skills development, techno-entrepreneurial activities and consultancy for socio-economic needs

### QUALITY POLICY

We at Ramaiah Institute of Technology, strive to deliver comprehensive, continually enhanced, global quality technical and management education through an established Quality Management System complemented by the synergistic interaction of the stakeholders concerned.

### RANKED

# #1

AMONG  
ENGINEERING  
COLLEGES AFFILIATED  
TO VTU, KARNATAKA

# #65

BEST ENGINEERING  
INSTITUTE AMONG 1143  
REPUTED INSTITUTES  
IN INDIA



- As per National Institutional Ranking Framework, MoE, Govt. of India. 2021

MSRIT is accredited by NAAC with  
A<sup>+</sup> Grade

## 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 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 has 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.

## Inauguration of Ramaiah Evolute Centre



**Inauguration of Ramaiah Evolute Centre:** Ramaiah Evolute Centre was inaugurated on 7<sup>th</sup> November 2020. Ramaiah group of institutions in its pursuit to enable extreme innovative entrepreneurship from India has taken a big leap. The group is rolling out an innovative start-up infrastructure with a strong and proven mentoring team on its campus as a novel centre. The centre aims at blending incubation and mentoring, for high-value potential start-ups and enables them to become the 'highly vetted choice' for both the venture fund eco-system and technology corporates of India. **Sri. M.R. Seetharam**, Hon'ble Vice Chairman, GEF & Director, RIT, and 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 (Engg. & GS), **Sri. G. Ramachandra**, Chief of Finance, GEF, **Dr. N.V.R Naidu**, Principal, RIT have graced the occasion.



## INAUGURATION OF FIRST- YEAR CLASSES (FRESHER'S DAY) OF BE AND B.ARCH



- **Inauguration of First-year classes (Fresher's Day) of BE and B.Arch.:** Fresher's Day for UG-2021 batch has been inaugurated on 31<sup>st</sup> December 2022. **Prof. H.P. Khincha**, Chairman, Karnataka State Innovation Council, Farmer Vice - Chancellor, VTU, Belagavi was Chief-Guest. **Sri. Aravind B. Jatti**, Farmer Chairman, Jatti Motors, Distinguished Alumnus, RIT was Guest of Honour. **Dr. M.R. Jayaram**, Chairman, Gokula Education, **Sri. M.R. Seetharam**, Hon'ble Vice-Chairman, GEF & Director, RIT, and 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 (Engg. & GS), **Sri. G. Ramachandra**, Chief of Finance, GEF, **Dr. N.V.R. Naidu**, Principal, RIT, **Dr. Archana**, Registrar Academic, RIT have graced the occasion.

## KANNADA RAJYOTSAVA



- **Kannada Rajyotsava** - was held on 24<sup>th</sup>, 25<sup>th</sup>, 26<sup>th</sup> and 27<sup>th</sup> of November 2021. The events conducted during these four days were well received and appreciated by the college faculty and students. The event was flagged off by a performance by the music team and many cultural events were conducted on 27<sup>th</sup> November 2021. Sri. S. N. Sethuram, Kannada Actor & Litterateur was graced valedictory function as a Chief-Guest and made this event meaningful.

## ALUMNI CORNER

### C SRINIVAS



**Introduction:** **Commodore Srinivas Chikkerur, VSM** is a student of the 1978-83 batch of Electrical Engineering. He was commissioned in the Indian Navy in August 84 and superannuated in March 2017. He has majorly worked in the Submarine Cadre of the Indian Navy, having served (operated) on Russian (F Class) as well as German (Type 209) submarines. He has also worked as the Chief - Electrical and Weapons Officer of the front line Destroyer INS Delhi. He has worked in the Submarine Design Group, Weapon and Sensory Integration Group, and in Ship Construction yard. He was the Project Director for the Indigenous Submarine Construction programme. He has been awarded the Vishisht Seva Medal (VSM) in January 2015 by the President of India. Currently, Cmde Srinivas Chikkerur is a Consultant with Larsen & Toubro Defence in Mumbai.

- **A walk through MSRCE and MSRIT (by C Srinivas):** A teenager in 1977 wanted to join the Indian Air Force and had qualified in the NDA (National Defence Academy) exam. Alas, destiny willed otherwise, and although I said a teenager in pre-liberalized India, cleared the Service Selection Board (SSB) interview, I could not qualify for the PABT (Pilot Aptitude Battery Test). This placed me on the list for the Indian Navy, which I did not want to join at that time. This urge and desire to serve the country and explore the world, and the failure there of, brought me to the gigantic and impressive structures of the then M S Ramaiah College of Engineering, in September 1978.
- **Early days:** The first few weeks of my time at MSRCE were filled with high-intensity activities, such as selections for various sports teams as well as participation in the cultural events leading up to the Karnataka Rajyotsava celebrations in Oct-Nov 1978. At the same time, I was representing National Cadets Corps (Naval Wing) as Best Cadet in the Republic Day parade in 1979.



- **Classmates and Batch mates:** Being at MSRCE was a free course in politics and geography. You may know those 30-40 years ago, in the pre-Internet era, you had to read newspapers, magazines and listen to the radio if you wanted to know about the politics and geography of India or the world. Our casual chats and gossip sessions, free of cost, without mugging up anything, taught us more than anything we had learnt from books. If not for those guys in college, it would have been only `anna-sambar, idli-vada, Bangalore-Mysore trips, and Goa for industrial tours. So much more was there to learn about life lessons at Ramaiah College, than just Engineering. College was certainly not just about fun. We had some excellent professors like Rama madam, Sadashivan Sir, Issac George Sir, V Krishnan Sir, and others who induced electrical engineering into us through all means of conductors.
- Internships had become the 'in thing' during our college days as well Kirloskar Electricals, Mysore Electrical Industries, Karnataka Power Corporation, and Power Generating Stations were commonly sought out by students and considered prestigious. During my final year (5th year as per our scheme) I was selected to join the Indian Navy in the Electrical Branch.
- I always remember MSRCE as an institution whose atmosphere supported every student to look past mere classwork and be involved in activities as per their interests. The broad outlook of all the professors without any exception was that we, the students, had to understand the 'Engineering World'. They created an engaging and rigorous environment that prepared us well to face life, its challenges, its joys, and its triumphs.

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

### Publications in (National / International) Journals

- Herle A, Channegowda J, Prabhu D – 'Overcoming limited battery data challenges: A coupled neural network approach'. International Journal of Energy Research, November 2021; Vol. 45, Issue 14, pages 20474-20482, <https://doi.org/10.1002/er.7081>, [Q1, IF: 5.164]
- Naaz F, Herle A, Channegowda J, Raj A, Lakshminarayanan M - 'A generative adversarial network-based synthetic data augmentation technique for battery condition evaluation'. International Journal of Energy Research, October 2021; Vol. 45, Issue 13, pages 19120-19135. <https://doi.org/10.1002/er.7013>, [Q1, IF: 5.164]
- F Naaz, J Channegowda – 'A probabilistic forecasting approach towards generation of synthetic battery parameters to resolve limited data challenges', October 2021, Early View – <https://doi.org/10.1002/est2.297>, [Indexed in Web of Science – ISSN:2578-4862]
- C Bhat, J Channegowda – 'An improved electrochemical-based model to estimate battery equivalent circuit parameters for pulsed discharge scenarios', Energy Storage, October 2021, Early View – <https://doi.org/10.1002/est2.294>, [Indexed in Web of Science – ISSN:2578-4862]
- Kedri Janardhana, S. Sridhar, Chandra K. Dixit, M. Deivakani, S. Tamilselvi, Abdul Razak Kaladgi, Asif Afzal, Maughal Ahmed Ali Baig- 'ANFIS Modeling of Biodiesels Physical and Engine Characteristics: A review', Heat Transfer. Vol. 51, Issue 2, December 2021, <https://doi.org/10.1002/htj.22266>, ISSN:2688-4542

### Paper presentation in National / International Conferences

- M. Lakshminarayanan, N. S. John, J. Channegowda, A. Raj and F. Naaz – 'Devising High Fidelity Synthetic Data using Generative Adversarial Networks for Energy Storage Systems' 2021 IEEE Mysore Sub Section International Conference (MysuruCon), October 2021, pp. 202-205, doi: 10.1109/MysuruCon52639.2021.9641530.
- C. Bhat, A. Herle, J. Channegowda and K. Naraharisetti – 'Measurement Noise Mitigation Using Cascaded Unscented Kalman Filter;' 2021 IEEE Mysore Sub Section International Conference (MysuruCon), October 2021, pp. 215-219, doi: 10.1109/MysuruCon52639.2021.9641711.
- C. Bhat, J. Channegowda, S. Chaudhari and K. Naraharisetti 'Accurate Equivalent Circuit Parameter Estimation Using Electrochemical Battery Modeling for Pulsed Load Applications', October 2021 IEEE Mysore Sub Section International Conference

(MysuruCon), 2021, pp. 1-4, doi: 10.1109/MysuruCon52639.2021.9641683.

#### Guest Lecture delivered by the department faculty

- Dr. Pradipkumar Dixit - 'CO, PO & PSO Attainment' on 22<sup>nd</sup> December 2021 in a one-day workshop on 'Outcome Based Education and NBA Accreditation Process' organized by Dr. AIT, Bengaluru.

## DEPARTMENT OF MECHANICAL ENGINEERING

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

- **Mahantesh Matur, Iresh Bhavi, Shashank Lingappa M** - 'Development of Low Cost Miniature Weed Harvester to Control Water Hyacinth', Nat. Volatiles & Essent. Oils, 8(6), (2021), 1203-1212.
- **R. Kumar, Jyothilakshmi R and Nandeesh H. L** - 'Synthesis and testing for mechanical integrity of nano cellulose composites', Journal of metal mines and fuels, Vol.69, No.12A, December, 2021.
- **Ashok Kumar K, B. P. Hari Chandra, Sunil S, Girish V Kulkarni** - 'Application of cryogenics in grinding of spices for value addition: A Review', Nat. Volatiles & Essent. Oils, 8(5), (2021), Pg. 10580-10593.
- **Ashok Kumar K, N. Kapilan, S Kasthuriengan, Dinesh P. A** - 'Performance Studies on Solar Assisted Single and Double Bed Adsorption Refrigeration system', Nat. Volatiles & Essent. Oils, vol. 8(5), (2021), Pg.10594-10610.
- **Akash Korgal, Shravan Upadhyaya, Anilkumar T** - 'Grain refinement of aluminium 4032 alloy with the impact of vibration using Taguchi technique and analysis of variance (ANOVA)', Materials Today Proceedings, <https://doi.org/10.1016/j.matpr.2021.11.504>.
- **K. V. Pradeep Kumar, R. Jyothilakshmi, K. J. Hemanth Kumar, Sumangala Patil** - 'Wear and Surface finish studies on CVD coated tungsten carbide indexable inserts', Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2021.11.431>.
- **S. Rajeesh, B P. Harichandra, Dinesh P A, Aruna Kumara P C, S V Prakash** - 'Experimental validation of the combustion properties of NB10 biodiesel in diesel engines with CFD analysis' Natural Volatiles &

Essential Oils, Vol. 8(5), (2021), page no.: 9249-9258.

- **N. Kapilan, K. Ashok Kumar, B. P. Hari Chandra** - 'Studies on Pyrolysis Oil derived from waste Tires as Fuel for Diesel Engine', Journal of Physics: Conference Series 2070, (2021) Pg. 012232, IOP Publishing, doi:10.1088/1742-6596/2070/1/012232.
- **Pavan Kumar Nalajam, Ramesh Varadarajan, Mohandas K N, Muni Kumar Gundu** - 'Weld Micro structural Image Segmentation for Detection of Inter metallic Compounds Using Support Vector Machine Classification', Recent Advances in Manufacturing, Automation, Design and Energy Technologies, Lecture Notes in Mechanical Engineering, Springer, (2021), pp. 455- 463.
- **Niranjan Murthy** - 'Multiple air Jet Impingement Heat Transfer for distinct Jet to Test Surface spacing', Journal of Mechanical Engineering Research and Developments, ISSN:1024-1752, Vol.44, No.10, pp 119-123, 2021.
- **Soorya Sasi, C Ardra Krishna, Sunish K Sugunan, Akash Chandran, P Radhakrishnan Nair, KRV Subramanian, Suresh Mathew** - 'Low cost, high efficiency flexible super capacitor electrodes made from areca nut husk nanocellulose and silver nanoparticle embedded polyaniline', RSC Advances, Vol.11(47), (2021), pp 29564-29575.

#### Publication in (National/International) Conferences

- **Jyothilakshmi R, K. J. Hemanth Kumar, Sumangala Patil S** - 'Design, Development and experimentation of a solar heated biogas plant with increased gas yield and rate of biogas production', 11th international conference on sustainable waste management and circular Economy, 1<sup>st</sup> - 4<sup>th</sup> December 2021.

#### Guest Lecture delivered by the department faculty

- **Dr. Sridhar B. S** - 'Overview and applications of additive manufacturing', Kuppam Engineering College, Kuppam, A. P-18<sup>th</sup> November 2021.
- **Dr. B. P. Hari Chandra** - 'Marvels of Indian Materials and Sciences – Challenges in Research', at Government First Grade College, Yelahanka, Bengaluru, on 5<sup>th</sup> October 2021.
- **Dr. B. P. Hari Chandra** - 'Science of SAINTISTS-2' at Bapuji Ayurvedic Medical College and Hospital on 21<sup>st</sup> November, 2021.

### Achievement/s, Awards/Prizes by Faculty/Staff

- **S. N. Kempegowda**, Assistant Instructor in the department of Mechanical Engineering was honoured with SUVARNA KANNADIGA award for the year 2020-21 for his achievements in the field of Art and Literature in Kannada by Suvarana Charitable Trust in association with the Department of Kannada and Culture, Government of Karnataka.
- **B. P. Hari Chandra & Girish V Kulkarni**, faculties coordinated and conducted a two-day residential plantation program in association with 'Wruksha World Foundation', Bengaluru in view of AICTE Activity Points Program. The program was held at WWF campus near Mutyalamaduvu, Anekal Taluk, Bengaluru Rural district, between 25<sup>th</sup> and 26<sup>th</sup> December 2021.
- **B. P. Hari Chandra**, Associate Professor, was invited as a technical advisor for preparation of Rajatha bhasma (silver nanomedicine), at the Bapuji Ayurvedic Medical College and Hospital on 21<sup>st</sup> and 22<sup>nd</sup> November, 2021.

## DEPARTMENT OF CIVIL ENGINEERING

### Publications in National/ International Journals

- **Sumalatha, J., Sivapullaiah, P. V. & Prabhakara, R** - 'Immobilization Remediation of a Heavy Metals Contaminated Soil: A Case Study of Dump Site at Bangalore', India. J. Inst. Eng. India Ser. A, (2022). <https://doi.org/10.1007/s40030-021-00590-5>.
- **Vinod, B. R., Sumalatha, J., Jyothilakshmi, R., Sunagar, P., CL, M. K., & Shwetha, K. G** - 'Enhancing the Index and Engineering Properties of Urban Fills by Stabilizing with Cement, Lime and Bagasse Ash', NVEO-NATURAL VOLATILES & ESSENTIAL OILS Journal| NVEO, 3101-3113, 2021.
- **N P Rajamane, Sumesh Shanakr and M C Nataraja** - 'Life cycle prediction models for reinforced geopolymer concrete', Civil Engineering and Construction Review, Vol. 34(12), (2021), pp.24-32, India.
- **N P Rajamane, M C Nataraja and Muneera Begum** - 'A short note on pH for civil engineers showing

possibility of pH>14 and pH <0: with reference to hydroxide and acid solutions in geopolymer technology', Indian Concrete Institute Journal, Vol. 22(3), (2021), pp.6 -15, India.

### Paper presentation in National/International Conferences

- **Sumalatha J and Suresh Babu J** - 'Analysis of Bearing Capacity and Settlement from Cone Penetration Test Results at an Irrigation Project', 19<sup>th</sup> – 20<sup>th</sup> November 2021, First Indian Geotechnical and Geo-Environmental Engineering Conference, IGGECC 21.

### Guest lecturers- invited

- **Mr. Manjunath S**, Director, DYNAMINDS – 'Result oriented Entrepreneurship program for conducted', on 10<sup>th</sup> December 2021.
- **Mr. Uday Kumar, CEO, IREU** – 'Career opportunities in Construction Management' on 15<sup>th</sup> December 2021.

### Guest Lectures delivered by the department faculty

- **M C Nataraja** - 'Concrete making materials and proportioning of concrete as per IS:10262-2019', Four weeks Online Orientation programme for Engineers, organised by Engineering Staff College, KRS, Mysore, Government of Karnataka, 13/12/2021, Mysore.
- **M C Nataraja** - 'Effective use of manufactured aggregates and its characterisation', Four weeks Online Orientation programme for Engineers, organised by Engineering Staff College, KRS, Mysore, Government of Karnataka, 18/12/2021, Mysore.
- **M C Nataraja** - 'Application of Mineral and Chemical admixtures in Concrete', Four weeks Online Orientation programme for Engineers, organised by Engineering Staff College, KRS, Mysore, Government of Karnataka, 29/12/2021, Mysore.
- **M C Nataraja** - 'Jury committee member for the selection of best Ph.D. Thesis of Karnataka', December 2021.
- **M C Nataraja** - served as 'Academic & Administrative Auditor' for the evaluation of M. Tech, Structural Engineering programme of NIE, autonomous college, Mysore as a part of NBA and NAAC, December 2021.



- **M C Nataraja** - Reviewed three technical papers to Construction and Building Materials (WOS/SCI), Elsevier, and two papers to Institution of Engineers (I), Series A (Scopus), Springer, during Oct-Dec. 2021.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



- **Industrial visit** was organized for 5<sup>th</sup> semester students to Directorate General of Quality Assurance (DGQA), Bengaluru on 14<sup>th</sup> December 2021. An exhibition was organized for students to create awareness about indigenous military technology and equipment. The students were given an opportunity to visit stalls and interact with testing professionals. The stalls had various equipment at display including military equipment, communication systems, radars, etc. There was also information on military testing standards and procedures.

### Publications in (National / International) Journals

- **Dr. V. Anandi**, Dr. M. Ramesh - 'Analysis of customer relationship management using Machine Learning', Turkish Journal of Computer and Mathematics Education, Dec 2021, Vol.12(14), (2021), pp. 5505-5512.
- **Suma K V, Mamtha Mohan**, Pooja - 'Extraction of Features of Uterine EMG Signals and Their Correlation', Nat. Volatiles & Essent. Oils, Vol. 8(4), (2021), pp. 14269-14283.
- **Pavitha U S, Mamtha Mohan**, Nikhila S, M Niranjana Murthy - 'Isolation Polarity Check in UPF Design Using Clamp Checker', Nat. Volatiles & Essent. Oils, Vol.8(4), (2021), pp. 14295-14307.

- Kumar A., **Immaculate Rosaline S** - 'Hybrid half-mode SIW Cavity-backed Diplex Antenna for On-body Transceiver Applications', Applied Physics A, Vol.127(11), (2021), Pg. 834.

### Paper presentation in National / International Conferences:

- Dharini Raghavan, **C. G. Raghavendra** - 'Methods for Effective Disease Recognition in Silkworms-A Survey', International Conference on Multidisciplinary and Innovative Practices, J. S. University, Shikohabad, Firozabad (U.P), 26<sup>th</sup> – 27<sup>th</sup> Nov 2021, pp. 142-145.
- Raghuttam K Kulkarni, **Deepali Koppad** - 'High Quality Design-Verification of APB Based Switch Interface', IEEE International Conference on Microelectronics, Signals and Systems, 18<sup>th</sup> - 19<sup>th</sup> Nov 2021, TKM College of Engineering, Karicode, Kerala.
- **H. Mallika**, Shifa Aman, **K. Indira** - 'Plant Disease Detection Using Deep Learning', 13<sup>th</sup> National Women's Science Congress, 20<sup>th</sup> - 21<sup>st</sup> November 2021, NMKRVWCW, Bengaluru.
- **K. Indira, V. Nuthan Prasad**, Varshitha, Prakar Awasthi, Priyanush Raj - 'Analysing Acquatics using Deep Learning', 13<sup>th</sup> National Women's Science Congress, 20<sup>th</sup> - 21<sup>st</sup> Nov. 2021, NMKRVWCW, Bengaluru.
- **K. Indira, Mallika H**, Shifa Aman - 'Plant Disease Detection using Deep Learning', 13<sup>th</sup> National Women's Science Congress, 20<sup>th</sup> - 21<sup>st</sup> Nov. 2021, NMKRVWCW, Bengaluru.
- **S. Sethu Selvi**, Dhananjaya Kumar M V, Lohith N V, M P Venkatesh Bhardwaj, Kartik S Shetty - 'Detection of Disease in Bombyx Mori Silkworm by using Image Analysis Approach', 2021 IEEE Mysore Sub Section International Conference (Mysuru Con), 24<sup>th</sup> - 25<sup>th</sup> Oct 2021, Hassan, Karnataka.
- Achyutprasad Annigeri, **Sujatha B** - 'Optimized Domestic Water Quality and Consumption Monitoring System based on IOT', 2021 IEEE Mysore Sub Section International Conference (MysuruCon), 24<sup>th</sup> - 25<sup>th</sup> Oct 2021, Hassan, Karnataka

- Nayana B U, **Deepali Koppad** - 'High Bandwidth Multi-Modulus Clock Divider', 2021 IEEE Mysore Sub Section International Conference (MysuruCon), 24<sup>th</sup> -25<sup>th</sup> Oct 2021, Hassan, Karnataka
- Apoorva Y S, **Sara Mohan George** - 'Smart Shoes for Gait and Mobility Assessment', 2021 IEEE Mysore Sub Section International Conference (MysuruCon), 24<sup>th</sup> - 25<sup>th</sup> Oct 2021, Hassan, Karnataka
- **Suma K V, Mamtha Mohan**, Pooja - 'Performance analysis of various Supervised Classifiers for predicting Preterm delivery using Multi-channel uterine EMG signals', Global Conference for Advancement in Technology 2021, 1<sup>st</sup> & 3<sup>rd</sup> October 2021, Nagarjuna College of Engineering and Technology, Conference, Bengaluru, Karnataka.
- Ravishankar P C, **Sharmila Suttur C** - 'IoT Based System for Home Monitoring of Human Vital Signs', 2021 IEEE International Power and Renewable Energy Conference (IPRECON), 24<sup>th</sup> - 26<sup>th</sup> Sep 2021, Kollam, Kerala, pp.1-6

#### Guest Lecture/s – Invited

- **Sri Satish Anand** - Career Architect and Speaker at Career Labs, Bengaluru, delivered a talk on 'Profile building for higher education and placement' dated 29<sup>th</sup> Dec 2021.
- **Sri K N Rao** - GATE Conqueror (A Firm Under Unacademy) delivered a talk on 'How to plan for future along with enjoying student life' on 10<sup>th</sup> Dec 2021.
- **Sri Adesh Panvar** - Deputy General Manager, BEL, Bengaluru, 'Microwave Devices, Antennas and Radar Applications', 25<sup>th</sup> Nov 2021.
- **Dr. Shivananda Koteswar** - Design Group, Digital Implementation Site Leader and R & D Head, Synopsys India, delivered a talk on 'Digital System Design and Verification' on 18<sup>th</sup> Oct 2021.

#### Funded Project:

- Development of AI based Embedded System for Prediction of Preterm Child Birth during Pregnancies, **Dr. Suma K V & Dr. Raghuram S**, AICTE - RPS, Grant: Rs. 23 Lakhs, 3 years (2021- 2023)

#### Achievement/s, Awards/Prizes by Faculty:

- **Dr. Roshan Zameer Ahmed** - is providing consultancy to Bangalore Institute of Management Studies, Mysore Road, Bangalore on 'Faculty Training Program On Design, Development and Delivery of Add-on Courses in Business Applications', for a duration of 1 year, Consultancy fee is INR 0.4 Lakhs.
- **Dr. Lakshmi Swaminathan** - judged the IEEE event 'Ideathon: Sensors usage to showcase innovative thinking and problem solving skills' as part of on-line symposium held on 20<sup>st</sup> – 21<sup>st</sup> Nov 2021.
- **K. Indira** - was an organizing committee member and session chair for 13<sup>th</sup> National Women's Science Congress, 20<sup>st</sup> - 21<sup>st</sup> Nov 2021, NMKRVCW, Bengaluru.
- **Dr. Suma K V** - applied for Indian patent for 'A Non-invasive Screening System for Detecting the Presence and Grade of a Metabolic Disease', Publication No. 43/2021 (TEMP/E-1/33234/2021-CHE Ref No: 202141029667 Transaction ID: N-0000822347).
- **Dr. S Sethu Selvi, Smt. Sara Mohan George** - applied for Indian patent for 'An apparatus for determining the radio frequency characterization of samples and a method thereof' and it was published on 30<sup>th</sup> Oct 2020. Application no. 201641020174, Transaction ID N-30000183682.
- **Dr. Suma K V** was the session chair for 2<sup>nd</sup> Global Conference for Advancement in Technology (GCAT), organized by Nagarjuna College of Engineering and Technology during 1<sup>st</sup> – 3<sup>rd</sup> Oct 2021.
- **Dr. K Indira, Dr. Deepali B Koppad, Dr. Lakshmi Shrinivasan, Dr. Reshma V and Sri Sadashiv V Chakrasali** received certificates of excellence from Samsung Pvt. Ltd, Bengaluru for mentoring the students for Samsung PRISM program.

#### Achievement/s, Awards/Prizes by Students

- **D Santosh Murthy and Harish M M** of 7<sup>th</sup> semester, have received certificates of excellence from Samsung for their PRISM program, for their project 'Intelligent Navigation via in-home Object Recognition'.

- **Srijoni Chakravorty, Zoha Amber, Samrudh Kadabi** of 7<sup>th</sup> semester, have received certificates of excellence from Samsung for their PRISM program, for their project 'Image Quality Benchmark Automation with Camera X'.
- **Nikhil Agarwal** of 7<sup>th</sup> semester has received certificate of excellence from Samsung for their PRISM program, for the project titled 'Style Transfer'.
- **Manoj B R** of 7<sup>th</sup> semester received \$ 1,224 (Rs 70,000/-) from Mitacs Inc (Canada University), Globalink Research Internship for completing 12 weeks Internship on 'Diagnostic Detector Development – Hardware or Software' for the duration of July 2021 to October 2021.

## DEPARTMENT OF CHEMICAL ENGINEERING

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

- Harshit Sai Balantrapu, Monica Anand, **T R Ramamohan** - 'Effect of Weak Inertia on the Chaotic Dynamics of Periodically Forced Neutrally Buoyant Spheroids in Simple Shear Flow', International Journal of Advances in Science, Engineering, and Technology, Vol. 9(3), (2021), Pg. 32-36, (p) 2321-8991 € 2321-9009, IRAJ.
- M C Mallika, S Suriya Prabhu, K Asokan, K S Anil Kumar, **T R Ramamohan**, K Sateesh Kumar - 'Testing for Nonlinearity to Nonstationary time series: A network based surrogate data test', Physical Review E, Vol. 104(5), (2021), Pg. 054217, 1-11, American Physical Society, <https://doi.org/10.1103/PhysRevE.104.054217>.
- R R Sivakiran, **V Sravanthi** and Kulbhushan Samal – 'Applied Catalysis', Book, <https://doi.org/10.26524/royal.819789391131449>. 2021 Royal Publishers.

### Paper Presentation in National/International Conference

- **Mr. Siddharth Tiwari** has secured 2<sup>nd</sup> position in the 17<sup>th</sup> session of OVCE Technical Paper Presentation titled 'Investigation of the Structural, Mechanical, and Thermal properties of polyvinyl alcohol-polyaniline

film doped with zinc oxide nanoparticles', held on 2<sup>nd</sup> and 3<sup>rd</sup> September 2021, organized by SOChE-IChE Student's chapter of DMCE, Airoli, Navi Mumbai.

- **Mr. Siddharth Tiwari** - was adjudged as the Best Presentation award in the technical session- 3C- during SCHEMCON 2021. The title of the paper is 'Investigation of the structural, mechanical and thermal properties of poly vinyl alcohol – poly aniline films doped with ZnO nano particles' organized by MANIT and IISER, Bhopal on 22<sup>nd</sup> -23<sup>rd</sup> October 2021.

### Guest Lecture/s – Invite

- **Dr. T. V. Ramachandra**, Associate faculty, Centre for Infrastructure Sustainable Transportation and Urban Planning (CISTUP), Centre for Sustainable Technologies (astra) IISc, Bangalore – 'Changes in Climate and Water Sustainability', on 17<sup>th</sup> December 2021 on the topic.

### Student achievements

- **Mr. Siddharth Tiwari** - has won 1<sup>st</sup> on his paper presentation, event conducted at INVENTE6.0 - A National Level Technical Fest organized by SSN College of Engineering on 8<sup>th</sup> and 9<sup>th</sup> October 2021.

### Guest lecture delivered by the department faculty

- **Dr. Archana** - 'Instrument Society of India – ISOA', MSRIT in the program called Innovation and Training Club. 8<sup>th</sup> September 2021.

## DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT

### Paper presentation in National / International Conference

- **Hamritha, Vinay M C** – 1MS20MIE13 – 'Prediction of Alzheimer's Disease Using Machine Learning' in 3<sup>rd</sup> International Conference on Communication, Computing and Electronics Systems 2021, on 28<sup>th</sup> and 29<sup>th</sup> October 2021.

### Guest Lecture/s – Invited

- **Mr. M K Krishna**, an Advisor, Consultant Knowledge Management, Bengaluru – 'Entrepreneurship Development', 10<sup>th</sup> December 2021.



- **Mrs. Sandhya Venu Sanjay**, Associate Director, GDS Enablement Services – Service Excellence – EYGBS (India) LLP, Bangalore - 'Skill matters for successful performance during placement interviews', on 25/11/2021.

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

- **Deevit Yakkundi** – 1MS20IM012 - 3<sup>rd</sup> Semester student, participated in the State Ranking Table Tennis Tournament held at Malleshwaram Association, Bangalore – 9<sup>th</sup> to 13<sup>th</sup> October 2021, won Runners-Up place in the Non-Medalist Singles – Table Tennis Tournament, 2021.
- **Deevit Yakkundi** – 1MS20IM012 - 3<sup>rd</sup> Semester student, participated in the State Ranking Table Tennis Tournament held at Malleshwaram Association, Bangalore, from 9<sup>th</sup> to 13<sup>th</sup> October 2021, won 'Winner in the Non-Medalist Doubles' – Table Tennis Tournament – 2021.

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



- COVID19 challenge using technology Ideathon online - 2021 (for school children), 29<sup>th</sup> November 2021 to 05<sup>th</sup> December 2021, Organized by IEEE Student Branch, Ramaiah Institute of Technology (IEEE WIE Event);

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

- **Gayathri, A. R. Kavitha, A. Parkavi, J. Aswini** - 'A Review on Innovative Trends in Augmented Reality Based Collaborative Learning Approach', Nat. Volatiles & Essent. Oils, 8(5):8498-8506.e-ISSN: 2148-9637, 2021

- **Srinivas A, J Sangeetha** – 'Smart Irrigation and Precision Farming of Paddy Field Using Unmanned Ground Vehicle and Internet of Things System', International Journal of Advanced Computer Science and Applications, Vol. 12, No. 12, pp. 407 – 414, 2021.

#### Paper presentation in National / International Conferences

- **Pramod Sunagar and Anita Kanavalli** – 'Classification of Hate Tweets using Hybrid Deep Belief Network Algorithm' in the 4<sup>th</sup> International Conference on Futuristic Trends in Networks and Computing Technologies (FTNCT-2021) Organized by Nirma University, India. December 10-11, 2021.

#### Guest Lecture/s – Invited

- **Mr. Sumit Sarkar**, Scientist 'E', DRDO Young Scientist Lab – 'Artificial Intelligence', Bangalore, Introduction to Visual SLAM, 16<sup>th</sup> December 2021.
- **Stanley Chetan**, Sr. Manager Business, Development, Career Labs, 'Profile Building for Higher Education India and Abroad', 15<sup>th</sup> December 2021.
- **Dr. Ranjitha Prasad**, Assistant Professor, IIIT Delhi, Causal Inference, 'Survival Analysis and Explainable AI in Healthcare', 23<sup>rd</sup> November 2021.
- **Prakhar Bapat**, Scientist B, DRDO Young Scientist Lab-AI, 'Real time Control System', 27<sup>th</sup> October 2021.

#### Guest Lecture delivered by the department faculty

- **Dr. Sangeetha. V** – 'Natural language Processing for Analyzing, Writing and Editing CVs and Job Posting based on Data Science' in the Webinar organized by Department of Computer Application in association with IQAC, G.T. Institute of Management Studies & Research, Bangalore, 24<sup>th</sup> November 2021.
- **Dr. Parkavi. A** - 'AI/ML applications' HKBK college of Engineering, Bangalore, 24<sup>th</sup> November 2021.
- **Dr. Parkavi. A** - 'Data science and Digital engineering' Gnangangothri Vidhyalaya, Ittamadu, Bangalore, 10<sup>th</sup> November 2021.

#### Funded Project

- **Dr. Parkavi. A** - Received \$150 as IEEE-RITB-Computer Society Faculty Advisor from IEEE

Computer Society in Oct, 2021 for inauguration of events in RIT, Bangalore.

- **Dr. Parkavi. A** - Received \$200 by IEEE Computer Society in Dec, 2021 for conducting Ideathon event for CSE students in RIT, Bangalore, 27<sup>th</sup> to 31<sup>st</sup> December, 2021.
- **Dr. Parkavi. A** - Received \$ 200 by IEEE STEM Community in 2021 for conducting Seminar and Social Ideathon Hybrid mode event for School Students, Date 10<sup>th</sup> and 17<sup>th</sup> Nov, 2021.
- **Dr. Parkavi A** - Received \$ 315 by IEEE WIE in 2021 for conducting Ideathon event for School Students (National/International), Date 29<sup>th</sup> - 30<sup>th</sup>, Nov 2021, online event.

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

- **Dr. Annapurna P Patil**, received the 'Protsahan award', from IEEE Bangalore ComSoc chapter for her contributions in the Communication Sector through publications in the category of fundamental research in the Communication sector. October 2021.
- **Dr. Parkavi A** - has Received Appreciation by Nptel for Instrumental Role as Spoc for Nptel Local Chapter, M S 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 (Aug-Dec 2021).

### DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING



- The department of EIE has conducted project competition on 'Python programming for AI' during October 2021 and technical series on 'Introduction to Machine learning pipelines' under ISOI – student chapter with ITC-RIT club. for RIT students on 29<sup>th</sup> and 30<sup>th</sup> December 2021.

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

- **M K Pushpa** - 'COVID-19 outbreak based Chronicle Heart Diseases (CHD) Prediction Using SV Mand Risk Factor Validation', Innovations in Power and Advanced Computing Technologies (i-PACT 2021), November 2021, DOI: 978-1-6654-2690-9/21/2021.
- **M K Pushpa** – 'Adaptive, AI-based Automated Knee Physiotherapy System', Global Transitions Proceedings, Published by Elsevier B.V. on behalf of KeAi Communications Co. Ltd., ISSN 2666-285X, Vol. 2(2), (2021), pp 484 – 491.
- **H.S. Niranjana Murthy** – 'Synthesis, Characterization and Antibacterial Activity of Cobalt chloride complex with 2-(p-thiomethyl phenyl) benzimidazole', Nat. Volatiles & Essent. Oils, Vol. 8(5), (2021), Pg. 12341-12347.
- **M D Nandeesh** – 'Securing Images through Cipher Design for Cryptographic Applications', International Journal of Advanced Computer Science and Applications(IJACSA), doi: 10.14569/IJACSA.2021.0121216, Vol.12(2), (2021), pp.119-125.
- **M D Nandeesh** – 'Real Time Integrated Navigation System (INS) for Land vehicles', AENG International Association of Engineers Engineering Letters Online ISSN: 1816093X, 18160948, DOI: 10.5281/zenodo.5795866, Vol.29(4), 2021.
- **A. Saravanan** – 'Mechanism of improved mobility of six wheeled vehicles for mining application', Journal of Mines, Metals and fuels, Vol. 69(9), (2021), pp.327.
- **Alamelu J. V** – 'Review of Medical Cyber Physical System based Infusion Pump-perception on control strategy', EAI Endorsed Transactions on Energy Web, (2021), e 21(36), e12, November 2021, doi: 10.4108/eai.29-4-2021.169427.
- **Vanitha K. M** – 'Dolphin shaped patch antenna with edge and coaxial feeds', Review of International

Geographical Education Online, ISSN 2146-0353, Vol.11(10), (2021), Pg.: 603-616.

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

- **Arumuga Ponni, M.K Pushpa** – 'Securing Satellite Data with Ethereum Block-chain Technology', 72nd International Astronautical Congress (IAC), Dubai, United Arab Emirates, 25<sup>th</sup> – 29<sup>th</sup> October 2021. IAC-21, D5, 4, 4, x62565.

### Faculty Publications in (National / International) Conference

- **M D Nandeesh** – 'Multimodal Image Fusion using Hybrid Algorithms for Brain Tumor Detection', IEEE Mysuru, Conference 2021, 24<sup>th</sup> – 25<sup>th</sup> Oct 2021. (Scopus)

### Funded Project Ongoing

- **Dr. Christina**, Principal Investigator - 'Estimation of Post-partum blood loss using optical fiber sensor and its correlation to shock index', sanctioned for funding amount of Rs. 18.38 Lakhs by DBT, India.

### Patents Grant:

- **M K Pushpa, Elavaarkuzhali** - patent titled 'An Extendable Battery Operated Handheld Back Scrubber and Massager', received grant in Oct 2021.
- **J V Alamelu, Kusumika Kori Dutta, M. Jyothirmayi, Premila Manohar** - Patent titled 'A Wearable Inhaler', received grant in Oct 2021.

### Student Achievement

- **Madhuvanthi** - student of EIE received USD 1300 as scholarship from Avery Dennison foundation for the year 2021.
- **Aryan Kumar**, student of EIE has written Hindi book titled "Udhesh".

### Guest Lecture/s – Invited

- **Mr. Pullam Chetti Divakar**, Asst. Manager and SPOC, Genpact, Hyderabad – 'Instrumentation Engineering: Importance in real world', 17.12.2021.
- **Dr. Spandhana Gonuguntla**, Customer Success Engineer, Mathworks, Bangalore – 'MATLAB Grader demonstration event', 08.12.2021.

- **Dr. K. N. Rao, Retd, Professor and Dr. Archit Krishna Kamat**, IIT Kanpur, India, 'Career and higher education guidance workshop - GATE CONQUEROR', 29.11.2021.
- **Hans Gerog Braun**, Professor, Soundarya Nagarajan Alumni, Suganya Tamalapadi - German University team, Germany in collaboration with Department of EIE – 'DAAD E-Visits Master studies in Germany', 26.11.2021.

## DEPARTMENT OF INFORMATION SCIENCE ENGINEERING

- Department of ISE in association with Physics department conducted Five Days Online Faculty Development Programme (FDP) on 'Research Challenges in Atmospheric Sciences with a Computing Edge', from 20<sup>th</sup> to 24<sup>th</sup> December, 2021. Sponsored by AICTE Training and Learning (ATAL) Academy. This FDP focussed on issues



and challenges in the realm of Atmospheric and Environmental Sciences applications that utilize Information Technology. Speakers were eminent personalities working in the domain from IISc, IITs, Government organizations like India Meteorological, ISRO, Satish Dhawan Space Centre (SDSC-SHAR) department and Industries.

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

- **Naresh E**, Murthy S.V.N, A Sreevallabha Reddy – 'A Perspective On Test Methodologies for Time Series Forecasting as Supervised Learning', Natural Volatiles & Essential Oils, vol. 8(4), (2021), Pg.4167-4175.



- **Naresh E**, Chaitra H V, Kadiri Thirupal Reddy - 'Design of Intrusion Detection System for Web-Based System Using Deep Learning Technique', Natural Volatiles & Essential Oils, (2021), Vol. 8(4), (2021), Pg.5202-5212.
- **Prashanth Kambli**, Nikita Juana Santiago, Naresh. E - 'Prediction of Covid-19 Cases at The Early Stage using Deep Learning Method Taken Over CT Scan Images', Natural Volatiles & Essential Oils, Vol. 8(4), (2021), Pg. 5213-5236.
- **Shruthi G, Krishna Raj P.M** - 'Local Frequency Descriptor and Hybrid Features for Classification of Brain Magnetic Resonance Images using Ensemble Classifier', International Journal of Advanced Computer Science and Applications, Vol. 12(11), (2021), pp. 188 - 195.
- Shree Vidya Gurudath, **Krishna Raj P M**, Srinivasa K G - 'Framework and Method for Measurement of Particulate Matter Concentration using Low Cost Sensors', International Journal of Advanced Computer Science and Applications, Vol. 12(12), (2021), pp.854 - 859.
- T. N. Manjunath, Deepa Yogish, S. Mahalakshmi, **H.K. Yogish** - 'Smart question answering system using vectorization approach and statistical scoring method', Materials Today: Proceedings, (2021) (online).
- Mohan Gowda V, **Megha P Arakeri** - 'Real Time Multi-Object Tracking based on Faster RCNN and Improved Deep Appearance Metric', International Journal of Advanced Computer Science and Applications, Vol. 12(12), (2021), pp. 887-894.
- **Evangeline D**, Sumukh M Lohit, Tarun R, Ujwal K C and Sai Viswa Sumanth D - 'Detection of Covid-19 through Cough and Breathing Sounds using CNN', International Journal of Advanced Computer Science and Applications, Vol. 12(12), (2021), pp.133 - 142.
- **Evangeline D**, Amy S Vadakkan, Sachin R S, Aakifha Khateeb and Bhaskar C - 'Cyberbullying Detection in Textual Modality', International Journal of Advanced Computer Science and Applications, Vol.12(12), 2021, pp. 217 - 221.

## Paper presentation in National / International Conferences

- Mohan Gowda. V, **Megha. P. Arakeri** - 'Recent advances and future directions of assistive technologies for Alzheimer's patients', International Conference on Emerging Research on Computing, Information, Communication and Applications, Lecture Notes in Electrical Engineering, on 25<sup>th</sup> -26<sup>th</sup> Sept. 2021, Springer, vol. 789,(2021), pp. 25-41.
- Pavana M S, **Pushpalatha M N**, Parkavi V - 'Software Fault Prediction Using Machine Learning Algorithms', International Conference on Advances in Electrical Computer Technologies 2021 (ICAECT 2021), organized by PSR Engineering College, Sivakasi, Tamil Nadu, India, during 29<sup>th</sup> - 30<sup>th</sup> Oct 2021.

## Guest Lectures – Delivered by Department Faculty:

- **Dr. Vijaya Kumar B P** - 'Computer Network and Security', an augmentation talk at RNSIT, Bangalore, on 28<sup>th</sup> Oct, 2021.
- **Dr. Vijaya Kumar B P** - 'Computational Intelligence for Cognitive Computing - Challenges and Opportunities' at Vidyavardhaka College of Engineering, Mysore, 15<sup>th</sup> Dec 2021.
- **Dr. Vijaya Kumar B** - 'AI and Healthcare', a series of lectures at department of Biotechnology, Ramaiah University of Applied Sciences, November, 2021.
- **Dr. Sumana M** - 2 talks on 'Big Data for Healthcare', on November 11<sup>th</sup> 2021 'ARMA, ARIMA, Regression Models' on 9<sup>th</sup> December, 2021, for Master of Hospital Administration at Faculty of Life and Allied Health Sciences, Ramaiah University of Applied Sciences.
- **Shashidhara H S** - 'UIKit' in AICTE sponsored workshop 'iOS App Development' conducted by Vidyavardhaka College of Engineering, Mysore, October 2021.
- **Karthik V** - 'Swift Fundamentals' in AICTE sponsored workshop 'iOS App Development' conducted by Vidyavardhaka College of Engineering, Mysore, September 13<sup>th</sup> -18<sup>th</sup> 2021.

## Funded project

- **Dr. Megha P Arakeri, Dr. Vijaya Kumar B P, Dr. Sumana M** - 'IEEE CIS Summer Schools' from IEEE Computational Intelligence Society. Amount

sanctioned is \$1500 in Dec, 2021. This program is designed to inspire and educate high school students of grade 8-10 in the field of computational intelligence. The program focuses on introducing concepts of CI, its applications and career opportunities to high school students through faculty and industry lectures as well as tutorial sessions.

- **Dr. Vijaya Kumar B P, Dr. Sumana M, Dr. Megha P Arakeri** – 'Industry Interaction 2021' from IEEE Computational Intelligence Society. Amount sanctioned is \$3,988.66 in Dec. 2021.

#### Achievements /Awards /Prizes by Faculty/Staff// Student:

- **Dr. Mydhili K Nair** (Panel Moderator), **Aditya Gupta** (alumni ISE Dept.) - The Panel Discussion Proposal submitted by them and two domain experts was the only proposal accepted from many submissions from Academia for the 15<sup>th</sup> IEEE ANTS International Conference. On 16<sup>th</sup> Dec 2021, they successfully presented their panel discussion topic, namely, 'How can Blockchain Technology help achieve Ubiquitous Digital Connectivity and Economic Prosperity for All'.
- **Dr. Mydhili K Nair** - was part of the core committee to organize the 10<sup>th</sup> IEEE CCEM 2021 held between 27<sup>th</sup> to 30<sup>th</sup> October 2021. In this 10<sup>th</sup> edition, IEEE CCEM expanded beyond Indian soil for the first time and operated out of New Jersey and Bangalore in hybrid mode.
- **Dr. Vijaya Kumar B P** – invited to be part of Academic Council of Sahyadri College of Engineering and Management, Mangalore to give valuable inputs for the holistic development of the Institute, December, 2021.
- **Diya James, T N Bhavitha Reddy**– Won First Place in Kreedotsva conducted at BMSCE, Bangalore from 22<sup>nd</sup> – 25<sup>th</sup> Nov. 2021.
- **Aditi Kailas** – won 2<sup>nd</sup> Position in 64<sup>th</sup> National Level Junior Women Rifle Shooting Championship held at Bhopal, Madhya Pradesh from 25<sup>th</sup> November - 10<sup>th</sup> December, 2021.

*Always be yourself, have faith in yourself, do not go out and look for a successful personality and duplicate it.*

- Bruce Lee

## DEPARTMENT OF MEDICAL ELECTRONICS ENGINEERING

#### Publications in National / International Journals

- Veena Seenappa, **C K Narayanappa**, Pradeep Kumar Mallesh – 'Reversible Watermarking Using Hyperchaotic system for Secure Image Transmission', International Journal of Intelligent Engineering and Systems, Vol. 14, No. 6, pp. 678-688, DOI: 10.22266/ijies2021.1231.60.
- **Sriraam N**, Kavya N, Usha N, Sharath D, Venkatraman, B, & Menaka, M. – 'Quantitative Analysis of Breast Thermograms Using BM3D Denoising Method and Features Extraction'. In ICDSMLA 2020 (pp. 781-793). Springer, Singapore. DOI:10.1007/978-981-16-3690-5-72, 2021.

#### Paper presentation in National /International Conferences

- **Dr. N Sriraam, Tejaswini S** - 'Wrist based wireless vital monitoring system for continuous assessment of pre-term neonates in NICU environment, in IEEE MIBEC 2021 2<sup>nd</sup> Malaysian International Biomedical Conference held at Kuala Lumpur on 28<sup>th</sup> November 2021. The paper is indexed in IEEE Xplore Digital Library.
- **Dr. N Sriraam** - 'Wearable Wireless Multiparameter Monitoring Systems (WEMUMS) for resource constrained settings' in IEEE MIBEC 2021, 2<sup>nd</sup> Malaysian International Biomedical Conference held at Kuala Lumpur on 28<sup>th</sup> November 2021. The paper is indexed in IEEE Xplore Digital Library.

#### Guest Lecture/s Invited

- **Mr. Mark Brandon Venum** – 'Career opportunities for the graduate of Medical Electronics Engineering', 17<sup>th</sup> Dec 2021.

#### Guest Lecture Delivered by the Department faculty

- **Dr. N Sriraam** - 'Characterization of smart wearables' at NIFT, Masters of Fashion Technology, Semester III on 01<sup>st</sup> to 03<sup>rd</sup> Dec 2021.
- **Dr. N Sriraam** - 'Artificial Intelligence (AI) enabled translational research for health informatics' DHR-ICMR sponsored 5 days' workshop, organized by

Department of Electronics and Communication Engineering, Manakula Vinayagar Institute of Technology, Puducherry from 25<sup>th</sup> to 29<sup>th</sup> October 2021.

- **Dr. C K Narayanappa** - 'Higher Education: Opportunities, Challenges and Careers', Govt. Women's Polytechnic, K.R Circle, Bengaluru on 9<sup>th</sup> Oct 2021.

#### Achievements /Awards /Prizes:

- Participated and received the 1<sup>st</sup> place in the STAFF QUIZ event organized by Extra Curricular activities, RIT on 27<sup>th</sup> Nov 2021. Team Members: Dr C K Narayanappa, Dr. Basavaraj Hiremath, Mr. Channabasavaraj R H
- Participated and received the 1<sup>st</sup> place in the STAFF ANTHAKSHRI event organized by Extra Curricular activities, RIT on 27<sup>th</sup> Nov 2021, Team Members: Purnima B R, Tejaswini S, Prathibha H M

## DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

#### Publications in National / International Journals

- **Krishna Prasad, Dr B K Sujatha, Theertha Prashanth** - 'Performance investigation of polar codes employing polar encoder and successive cancellation decoder in 5G systems and cloud computing', is published in Natural Volatiles and Essential Oils in Vol.8(5), PP. 111691-111704.
- **Thanushree, K. R. Shobha, P. Parimala** and S. Chandrashekhar - 'Remote Monitoring and Automated Control of Silkworm Rearing to Improve Yield', in Journal on Natural Volatiles & Essential Oils (NVEO), Q3, ISSN: 2148-9637, Vol.8(5), (2021), Pages: 9064-907.
- **Dr. Shobha K R, P. Ganesh, Rajesh, Jagadish Sharma, R. Sundar Rajan, K. Geetha, O.V.I. Omkar Paradkar** - 'Framework Design and Implementation of Novel Healthcare Security Systems', Journal on Natural Volatiles & Essential Oils (NVEO), Q3, ISSN: 2148-9637, Vol. 8(5), (2021), Pages: 9064-9077.
- **G. S. Ananth, N. Shylashree, Satish Tunga, Latha B. N** - 'A novel design for hardware interface board with

reduced resource utilization', Indonesian Journal of Electrical Engineering and Computer Science, ISSN: 2502-4752, DOI: 10.11591/ijeecs. v24.i3, Vol. 24(3), (2021), pp. 1414-1420.

- **Dr. S.G. Shivaprasad Yadav, Meghana, Bharati R, Dr. Bhagya R**- 'Digital Predistortion (DPD) Algorithm for 5G Applications', Journal of Natural Volatiles & Essential Oils, (6) PP- 888-904 December 2021.
- **Thanushree, Dr. K.R. Shobha, Dr. Parimala. P** - 'Remote Monitoring and Automated Control of Silkworm Rearing to Improve Yield', Nat. Volatiles & Essent. Oils, Vol.8(5), (2021), pg: 12379-12392.
- **Dr. Parimala Prabhakar, Gangadhar, Suraj Naik** - 'Traffic Control Management System and Collision Avoidance System', Nat. Volatiles & Essent. Oils, Vol. 8(5), (2021), page: 12479-12488.
- **H.S. Niranjana Murthy, M.N. Manjunatha, Umesharaddy Radder** - 'Early Prognosis of Coronary Heart Disease using Ensemble Classifiers: A Comparative Analysis', Nat. Volatiles & Essent. Oils, ISSN: 2148-9637, Vol. 8(5), (2021), Pg. 2136 - 2142.
- **Nandini Patil, Kusuma S M** - 'Automated Hotel billing system using LSTM', S M International journal of creative research thoughts(IJCRT)-2021 IJCRT, ISSN 2330-2882, Vol. 9 (11), 10<sup>th</sup> November, 2021.
- **Krishna Prasad S J, Mohana Kumar S, Swati Swamy** - 'Detection and Predictive analytics of Parkinson's disease employing Tremor analysis and Deep Learning Algorithm', published in Natural Volatiles and Essential Oils, Vol. 8(5), (2021), Pg.12320-12340.

#### Paper presentation in National / International Conferences

- **Thanushree, K. R. Shobha, P. Prabhakar and S. Chandrashekhar** - 'Automated Soil Moisture and Nutrient Analyzer for Mulberry Plants Using IoT' 2021 IEEE 9<sup>th</sup> Region 10 Humanitarian Technology Conference (R10-HTC), doi: 10.1109/R10-HTC53172.2021.9641605, (2021), pg. 01-05.
- **Darshini P, Mohan Kumar S, C G Raghvendra, Krishna Prasad S J, Kavitha H, Divakara S S** - 'Cyber Security Threats detection analysis and remediation' IEEE - 2021 Mysore, conference at



Navkis college of Engineering, Hassan, October 2021.

#### Guest Lecture delivered by the department faculty

- **Dr. K R Shobha** – 'Internet of things Protocol Stack' for AICTE Training and Learning (ATAL) Academy Sponsored Faculty Development Program on Internet of Things (IoT)-2021 on 8<sup>th</sup> November 2021, conducted by Department of Electronics & Communication Engineering, Punjabi University Patiala, 8<sup>th</sup> to 12<sup>th</sup> November 2021.
- **Dr. S G Shivaprasad Yadav** – 'Matlab for signal processing applications' IETE Bangalore on 14<sup>th</sup> November 2021.
- **Dr. Karthikeya G. S** – 'Multiport Antenna Systems for Microwave and mmWave Applications', IEEE Asia-Pacific Microwave Conference 2021 (APMC 2021), Brisbane, 28<sup>th</sup> November to 1<sup>st</sup> December 2021.
- **Dr. Karthikeya G. S** – 'Compact Antennas for Future fifth generation (5G) Smartphones and base stations with in-depth survey on mutual coupling reduction techniques', IEEE InCAP 2021, Jaipur on 13<sup>th</sup> Dec 2021.

#### Funded Project

- **Dr. Shobha K R, Dr. Parimala P, Nisha SL** received funding of 53 lakhs under DST – Device Development Programme for project titled 'Design, Development and Prototyping of High Accuracy NavIC Receiver for Rapid Topographic Survey'.

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

- **Dr. B. K. Sujatha** received 7<sup>th</sup> Venus International Women Awards (VIWA 2022) Distinguished Woman Researcher in Electronics Engineering - Award Winner in Engineering Discipline <https://venusinfo.org/research/2022/awm.html>
- **Dr. Shobha K R** received Star Award of the IEEE ComSoc Chapter- Bangalore Section for 2021 for outstanding contributions done to the chapter.
- **Dr. Shobha K R** received Outstanding Excom member award from IEEE WIE Affinity group, Bangalore Section for the year 2021.
- **Dr. Shobha K R** received Samsung Award of excellence for guiding the work let given by Samsung

research India 'Intelligent Navigation via in-home Object Recognition' from July 2020 to March 2021.

- **Darshini P, Mohan Kumar S, CG Raghvendra, Krishna Prasad S.J, Kavitha H, Divakara S.S** – 'Cyber Security Threats detection analysis and remediation', IEEE 2021 Mysore conference at Navkis College of Engineering Hassan, October 2021 Got Best paper award in Track 1 of computer Networks and Security at IEEE Mysore conference.
- **S J Krishnaprasad** has got consultancy work from Rapid alley for Rs.40,000/- on Web Design Technologies during December 2021.

### DEPARTMENT OF BIOTECHNOLOGY

- The Department of Biotechnology & Department of Chemistry, RIT, conducted a six day workshop on 'Advances and Applications of Nanobiotechnology' jointly with Indian Institute of Chemical Engineers, Kolkata-700032, India from 4<sup>th</sup> – 9<sup>th</sup> October 2021.
- A workshop on 'Recent Advances and Opportunities in Industrial Biotechnology' was conducted by the Department of Biotechnology jointly with Association of Biotechnology Led Enterprises (ABLE), Bengaluru from 4<sup>th</sup> – 9<sup>th</sup> October 2021.

#### Publications (National / International) Journals

- **Dr. Chandrababha M N** – 'Understanding the role of fuels and impure phases on photoluminescence and thermoluminescence properties of combustion-derived nano; blue light-emitting phosphor', Luminescence, Vol. 36(7), (2021), Pg.1793- 1804.
- **Bindu Sadanandan, V Vijalakshmi, K N Lokesh** – 'Candida albicans Biofilm Formation and Growth Optimization for Functional Studies Using Response Surface Methodology', Journal of Applied microbiology, 2021.
- **Ravi Kumar Y.S., Shivani Malvankar and Bhupendra Verma** – 'Regulatory roles of tRNA-derived RNA fragments in human pathophysiology', Molecular Therapy, Nucleic Acid, Vol. 26, (2021), Pg.161-171.
- **Samrat Krishnappa, Chandrababha M. N** – 'Biogenic synthesis of nano-sulfur using

Punicagranatum fruit peel extract with enhanced antimicrobial activities for accelerating wound healing', Nano Futures, Vol. 5, (2021), Pg.45003.

- **Samrat Krishnappa, Chandraprabha M. N** – 'Cytotoxic and Apoptotic Effects of Chemogenic and Biogenic Nanosulfur on Human Carcinoma Cells: A Comparative Study', ACS Omega, 2021, Vol. 6 (48), (2021), Pg.33548-32562.

#### Funded Projects Ongoing

- **Dr. Bindu S & Mrs. Vijayalakshmi V**, Development of a Biocompatible Poly (L-Lactic Acid) – 'Chitosan hydrogel scaffold for neuronal regeneration', Ministry of Science & Technology, DST, Rs. 32.90 Lakhs.
- **Dr. Bhavya S G** – 'An investigation of the role of S-acylation in cardiac hypertrophy – proteomics, site-specific mutation and molecular dynamics simulations approach', DST, SERB - TARE, Rs. 18.30 Lakhs.
- **Dr. Chandra Prabha M N & Dr. Harikrishna R** – 'Design of structurally modified nanoceria with enhanced haloperoxidase activity to combat sulphate reducing bacteria (SRB) induced biocorrosion: A biomimetic approach to combat microbiologically – influenced Corrosion (MIC) of marine structures'. DST, CRG, Rs.41.83 Lakhs.
- **Dr. Chandra Prabha M N & Dr. Harikrishna R** – 'Designing of Novel Biocompatible and Multifunctional Nano Ceramic Coatings for Medical Implants', VGST-KFIST L2, Rs.30.0 Lakhs.
- **Dr. Chandra Prabha M N & Mrs. Monika P** – 'A biological strategy to enhance chronic wound healing in patients using Human Autologous Platelet – Rich Plasma'. RIT Seed Funding, RIT, Rs. 2.6 Lakhs.
- **Dr. Lokesh K N** - Stimuli Responsive Polymeric Particles Containing Iron (III) Chelating Bioactive Ligands for Mitigation of Intracellular Labile Iron Pool (LIP), SERB, DST, TARE, Rs. 18.30 Lakhs.
- **Dr. Bindu S & Dr. Dhamodhar P** - BiSEP (Biotechnology Skill Enhancement Programme), Domain: Biopharmaceutical Technology, KBITS, Govt. of Karnataka, Rs. 162.5 Lakhs.
- **Dr. Chandraprabha M.N & Mrs. Sanchita Sharma**- Enhanced Production of Indian (Precursor

of Indigo Dye) from cell suspension culture of Indigoferatinctoria and its up – scaling through bioreactor, DST, Rs. 23.72 Lakhs.

#### Faculty who obtained Ph.D degree



**Dr. Samrat K** - has obtained his PhD degree from VTU for his work on 'Synthesis and Characterization of metallic and non-metallic nanoparticles and evaluation of their pharmacological activities' under the supervision of Dr. Harish B G, Assistant Professor, Department of MCA, UBDT College of Engineering, Visvesvaraya Technological University, Davangere.



**Dr. T P Krishna Murthy** - obtained his Ph.D. degree for his work on 'Studies on application from VTU under the guidance of Dr. Gowrishankar, Prof. & Head, Depart. of Biotechnology, SIT, Tumkuru.



**Dr. Bhavya S G** - was awarded Ph.D from VTU for her work on 'Proteomic Study of Serratia Marcescens using High Resolution Mass Spectrometry'. She was guided by Dr. Sharath R, Associate Professor, Dept. of Studies in Food Technology, Davanegere University, Davanegere.

## DEPARTMENT OF MATHEMATICS

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

- **M S Basavaraj** - 'Instability of the plane parallel flow through a saturated porous medium in the presence of a longitudinal magnetic field using the Chebyshev collocation method', International journal of Non-Linear Mechanics, Vol. 137, (2021), Page. 103828.
- **M S Basavaraj and A S Aruna** – 'The combined effect of the porosity of the porous media and the longitudinal magnetic field on the stability of the modified plane Poiseuille flow', Sādhana, Vol. 46, (2021), pg. 213.
- **Uma M, Sushma S, Veena B.N** – 'Study on MHD Flow over a Stretching Surface with Convective

- Boundary Condition by Numerical Method', Bio interface Research in Applied Chemistry, Vol. 12(5), (2021), pg. 6437-6446.
- **Sowmya G** – 'Analysis of heat transfer through different profiled longitudinal porous fin by differential transformation method', Heat Transfer, 2021.
  - **Srikantha N** – 'Computational study of three-dimensional flow and heat transfer of 25 nm Cu-H<sub>2</sub>O nanoliquid with convective thermal condition and radiative heat flux using modified Buongiorno model', Case Studies in Thermal Engineering, Vol. 27, (2021), pg. 101340.
  - **Srikantha N** – 'A study on heat transfer in three-dimensional nonlinear convective boundary layer flow of nanomaterial considering the aggregation of nanoparticles', Heat Transfer, Vol. 51(01), (2021), pg. 891-908.
  - **Sowmya G** – 'Thermal distribution through a moving longitudinal trapezoidal fin with variable temperature-dependent thermal properties using DTM-Pade approximant', Case Studies in Thermal Engineering, Vol. 28, (2021), pg. 101697.
  - **Monica Anand** – 'Effect of Weak Inertia on the Chaotic Dynamics of Periodically Forced Neutrally Buoyant Spheroids in Simple Shear Flow', International Journal of Advances in Science, Engineering and Technology, Vol. 9(3), (2021), pg 32-36.
  - **S Ramprasad, S H C V Subba Bhatta** – 'Numerical and linear regression analysis on MHD two-phase flow in an asymmetric non uniform channel', Heat Transfer, vol. 50(7), (2021), pg. 7100-7119.
  - **Y S Kalyan Chakravarthy** – 'Spectral-quasi-linearization method and multiple regression analysis of reiner-philippoff fluid flow', ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik, pg 1-12, 2021.
  - **S. Ramprasad** – 'Numerical and regression analysis of Cu-nanoparticles flows in distinct base fluids through a symmetric non-uniform channel', The European Physics Journal Special Topics, 2021.
  - **Uma M, Dinesh P.A., A. Sreevallabha Reddy, Suresh Babu. R** - 'Effect of Couple Stress Fluid in an Irregular Couette Flow Channel: An Analytical Approach', Biointerface Research in Applied Chemistry, Vol.12 (4), (2021), pg. 4686-4704.
  - **M. M. Praveena** – 'Comparative study of different non-Newtonian fluid over an elaborated sheet in the view of dual stratified flow and ohmic heat', Chemical Physics Letters, Vol. 784, (2021), pg. 139096.
  - **Dinesh P A et al** – 'A Comparison Of Block Based Kalman Filter And H-Infinity Algorithms for Blind Image Separation', Computational Mathematics and Modeling, Vol.32(3), (2021), pg. 339-355.

#### Guest Lecture delivered by the department faculty

- **Dr. N Srikanth** - Three Day Webinar on 'Innovation in Mathematics and Usage of Modern tools', on 22<sup>nd</sup> – 24<sup>th</sup> Dec 2021 organized by Sir. MVIT, Bengaluru.
- **Dr. N Srikanth** – 'GEO-GEBRA- Visualization of Mathematics in Machine Learning' on 02.11.2021, organized by Department of AI & ML, GMIT, Davanagere.

#### DEPARTMENT OF CHEMISTRY



- Department of Chemistry, RIT has conducted one day seminar on the topic 'Valorization of biomass platform chemicals to commodity chemicals and fuel additives' on 4<sup>th</sup> December, 2021. The resource person was Dr. Sanjeev Mardur, Associate Professor, Materials Science & Catalysis division, Poornaprajna Institute of Scientific Research (PPISR), Bengaluru. The same day, we have conducted half yearly



"Research Review Meeting (RRM)" for all VTU research scholars of the department.



- An outreach program 'Research Training on Advanced Materials' was conducted at RIT, to encourage research culture for B.Sc. /MSc students of Government first grade college, Yelahanka, and Ramaiah College of Arts, Science and Commerce Bangalore, on 04-10-2021. Luminescence Society of India: Karnataka Chapter (LSIKC) organised this event in association with Department of Chemistry, RIT.



- 'How to read a research article' – A training program for B.Sc. students of Government first grade college, Yelahanka, Bangalore on 05-10-2021.



- In association with Luminescence Society of India: Karnataka Chapter (LSIKC). chemistry department organized '**Research Orientation For Research Aspirants (ROPRA)**' on the topic 'Hands-on Training on Solution Combustion Method', at RIT on 07-10-2021.



- In association with Luminescence Society of India: Karnataka Chapter (LSIKC), Department of Chemistry organized a training for students of B.Sc. of Government first grade college, Yelahanka, Bangalore on 12-10-2021. In this program, the basic characterisation techniques are taught.



- In association Alumni Association, University of Agriculture Science (UAS) Bangalore and Luminescence Society of India: Karnataka Chapter (LSIKC), conducted a program called 'Marketing Problems of Farmers' at Alumni Association, UAS, Bangalore





- Luminescence Society of India: Karnataka Chapter (LSIKC) conducted 'World Soil-Day Celebration' at Laxmidevipura Village, Doddaballapura on 05<sup>th</sup> Dec 2021.



- In association with Luminescence Society of India: Karnataka Chapter (LSIKC), department of chemistry organized a Zero-budget program called 'Knowledge Sharing' for research scholars and BSc and MSc students of Ramaiah College of Arts, Science and Commerce on 29-12-2021.

#### Publications (National / International) Journals

- C.R Manjunatha, **B.M Nagabhushana** – 'Adsorption of fluoride and DB-53 dye onto PLA/rGO nanoparticles: Mathematical modelling and statistical studies', Journal of Water Process Engineering, vol. 44, 2021/12/1, Pg.No. 102447.
- G.K Prashanth, **B. M Nagabhushana**, C Shivakumara – 'Evaluation of antimycobacterial, antioxidant, and anticancer activities of CuO nanoparticles through cobalt doping', Applied Nanoscience, 2021/11/24, Pg.No. 1-8.
- A Sangeetha, **B.M Nagabhushana**, C K Jayasankar – 'Red, Green, Blue and IR emitting zirconium Titanatenano composite co-doped with Er<sup>3+</sup>/Tm<sup>3+</sup>/Yb<sup>3+</sup> synthesized by combustion synthesis',

Optical Materials, Volume 121, November 2021, Pg. No.111534.

- J Puneetha, **NagarajuKottam**, A Rathna – 'Green synthesis of RGO based nanoparticles and composites for photocatalytic applications: A review', SPAST Abstracts, vol. 1(1), Oct 2021.
- C M Pranav, G M Madhu, J Koteswararao, **Nagaraju Kottam** – 'Mechanical and electrical properties evaluation of PVA-carbon dot polymer nanocomposites', Indian Journal of Chemical Technology (IJCT), Vol. 27(6), (2021), Pages.488-495.
- Kalpana Sharma, Raveendra Melavanki, **Basappa C Yallur**, Raviraj Kusanur, N R Patil – 'Preparation and Optical Characterization of PMMA Thin Films of C1', Macromolecular Symposia, vol. 400(1), (2021), Pg.No. 2100150.
- Vinayak Adimule, **Basappa C Yallur**, Malathi Challa – 'Synthesis of hierarchical structured Gd doped  $\alpha$ -Sb<sub>2</sub>O<sub>4</sub> as an advanced nanomaterial for high performance energy storage devices', Heliyon, vol.7(12), (2021), pg.no.e08541.
- Abhishek Udnoor, **Basappa C Yallur** – 'Monitoring the interactions between bovine serum albumin and ZnO/Ag nanoparticles by spectroscopic techniques', Journal of Biomolecular Structure and Dynamics, 2021/11/17, Pg. No. 1-14.
- K Samrat, M N Chandraprabha, **R Hari Krishna**, R Sharath, B G Harish – 'Biogenic synthesis of nano-sulfur using Punicagranatum fruit peel extract with enhanced antimicrobial activities for accelerating wound healing', Nano Futures, Vol. 5(4), 2021/12/9, Pg.No.045003.
- D Bharathi, B Siddlingeshwar, **R Hari Krishna** – 'Interaction of CuO and ZnO nanoparticles with 3-N-(N'-methylacetamidino) benzanthrone: A temperature dependent fluorescence quenching study', Inorganic Chemistry Communications, vol. 134, 2021/12/1, Pg.No. 109069.
- Samrat Krishnappa, Chandraprabha M Naganna, **R. Hari Krishna**, Sharath Rajashekarappa – 'Cytotoxic and Apoptotic Effects of Chemogenic and Biogenic Nano-sulfur on Human Carcinoma

Cells: A Comparative Study', ACS omega, Vol.6(48), 2021/11/23, Pg.No. 32548-32562.

- K Chandrika Chandrika, P N Anantharamaiah, R Hari Krishna, T Niranjana Prabhu – 'CoFe<sub>2</sub>O<sub>4</sub>-TiO<sub>2</sub> a Lethal P-n heterogeneous catalyst for malachite green degradation under visible light and optimisation of parameters by the Taguchi Method', Materials Technology, 2021/11/12, Pg.No. 1-13.
- J. Shivakumara, C Manjunatha, **R Hari Krishna** – 'Enhancement of photoluminescence of CdO. 95EuO. 05SiO<sub>3</sub> phosphor using Na<sup>+</sup> and K<sup>+</sup> as charge compensators', Chemical Physics, Vol. 551, 2021/11/1, Pg.No. 111319.
- **R Hari Krishna** – 'Synthesis, characterization of Nano zinc sulphide and Evaluation of DNA Binding Interactions', SPAST Abstracts, vol. 1(01), 2021/10/7.
- G Chaithra, PR Deepthi, **Malathi Challa** – 'Optical and Thermal Properties of Acid Red Doped Triglycine Acetate Crystal for Optoelectronic Applications', Crystal Research and Technology, 2021/11/2, 2100130.
- P.R Deepthi, Anu Sukhdev, **Malathi Challa**, S P Prashanth – 'Crystal violet doped triglycine acetate crystal: a potential material for optoelectronic applications', Indian Journal of Physics, 2021/10/27, Pg.No. 1-11.
- B S Surendra, **K Gurushantha** – 'Microwave assisted Biginelli cyclo condensation for the synthesis of dihydro pyrimidinones catalysed by H<sub>2</sub>SO<sub>4</sub> Clay NPs and their applications', Journal of Photochemistry and Photobiology, Vol. 8, 2021/12/1, Pg.No. 100063.

#### Paper presentation in National / International Conferences

- **Sharath D**, Sunith Babu L – 'Characterization of Defects in Composite Plates Using Step Heating Thermography', National Seminar and Exhibition on Non Destructive Evaluation, December 09-11, 2021 (Virtual Mode).

#### Funded project

- **Dr. M. N. Manjunatha** – 'Anticancer activity and molecular modeling studies of transition metal

complexes with novel substituted benzimidazole derivatives'. Granted by 'VGST, Govt. of Karnataka'.

**Grant: Rs. 20,00,000.00**

- **Dr. P. Murali Krishna** – 'Environmental friendly coatings: To replace chrome based conversion coatings with chrome-free coatings'. Grant by 'Boeing Research & Technology-India Centre'.

**Grant: Rs. \$30,865**

- Dr. Chandra Prabha MN & **Dr. Harikrishna R** – 'Design of structurally modified nanoceria with enhanced haloperoxidase activity to combat sulphate reducing bacteria (SRB) induced biocorrosion: A biomimetic approach to combat microbiologically – influenced Corrosion (MIC) of marine structures'. DST, CRG.

**Grant: Rs. 41.83 Lakhs.**

- Dr. Chandra Prabha M N & **Dr. Harikrishna R** – 'Designing of Novel Biocompatible and Multifunctional Nano Ceramic Coatings for Medical Implants', VGST-KFIST L2.

**Grant: Rs.30.0 Lakhs.**

#### Guest Lecture delivered

- **Dr. B.M. Nagabhushana** – 'The importance of Research and how to read a research paper' at Government First Grade College, Yelahanka, Bengaluru, 5<sup>th</sup> October 2021.
- **Sharath D** – 'Image Processing Using MATLAB - Fundamentals and Demo', Department of Mechanical Engineering, Madanappalli Institute of Technology, Madanapalli, 10-11-2021 (Virtual Mode).
- **Dr. Sharanabasappa Patil** – 'Road Map of Masters in Chemistry: Future Possibilities' on 27.12.2021 at the Department of Chemistry, Gulbarga University, Kalburgi.
- **Dr. B.M. Nagabhushana** – 'Low temperature Solution combustion synthesis (SCS)' Research Orientation for Research Aspirants (ROPRA): Hands-on Training'. This program was conducted for Ph.D. Research scholars and students & it was organised by Luminescence Society of India: Karnataka Chapter

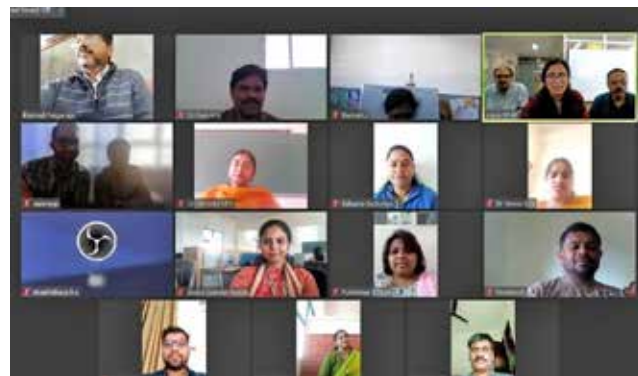
(LSIKC) in association with Department of Chemistry, 07-10-2021.

- **Dr. B.M. Nagabhushana** - 'Introduction to nano materials and their properties' at RIT for the BSc students of First Grade College, Yelahanka, and Ramaiah College of Arts, Science and Commerce Bangalore, 4<sup>th</sup> October 2021.
- **Dr. Sharanabasappa Patil** - 'FTIR instrumentation and analysis of results' on 12-10-2021 at the Department of Chemistry, RIT, Bangalore.
- **Dr. B.M. Nagabhushana** - 'Calculations in solution combustion method and demonstration on combustion synthesis' Research training on Advanced Materials' for B.Sc. students Government First Grade College, Yelahanka, 13-10-2021.
- **Dr. B.M. Nagabhushana** - 'Research Opportunities in Low Temperature Solution Combustion process' One-day national conference, Vidyavardhaka College of Engg. Mysore, 12-11-2021.
- **Dr. B.M. Nagabhushana** - 'Sustainable Entrepreneurship Capabilities and Social Commitment', High School, Science Teacher's Science Club, Harapanahalli. Vijayanagara - Dist. 18-11-2021.

## DEPARTMENT OF PHYSICS



- In view of the increased intake for BE program, a new Physics lab has been set up in the Apex block (AB 605) and inaugurated by Sri. M.R. Seetharam, Vice chairman, GEF, Director, RIT on 02-12-2021.



- AICTE-ATAL Academy Sponsored 5-days Online Faculty Development Program (FDP) on 'Research Challenges in Atmospheric Sciences with a Computing Edge', jointly organized by the Department of Physics and the Department of Information Science and Engineering, was held on 20<sup>th</sup> and 24<sup>th</sup> December 2021.

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

- **R.M. Melavanki** - 'Synthesis, Spectroscopic (FT-IR, FT-Raman, NMR & UV-Vis), Reactive (ELF, LOL, Fukui), Drug likeness and Molecular Docking insights on novel 4-[3-(3-methoxy-phenyl)-3-oxo-propenyl]-benzonitrile by Experimental and Computational Methods', Heliyon, <https://doi.org/10.1016/j.heliyon.2021.e08429>, Vol.7(11), November 2021, Pg. e08429,
- **R.M. Melavanki** - 'Synthesis and characterization of chitosan-hydroxyapatite composite for bone graft applications', Journal of the Indian Chemical Society, <https://doi.org/10.1016/j.jics.2021.100308>, Vol. 99(1), January 2022, Pg.100308.

### Funded Project

- **Dr. Sandhya K L** - 'Experimental investigations on developing LC nanocomposites for energy storage applications', VGST, Rs. 15 lakhs.
- **Dr. Nagesh B V** - AICTE Training and Learning (ATAL) Academy Sponsored Five Days Online Faculty Development Programme on 'Research Challenges in Atmospheric Sciences with a Computing Edge', AICTE, Rs. 0.92 lakhs.
- **Dr. Kalpana Sharma** - 'Exploring the fluorescent Spectroscopic quantum chemical and Z scan properties of novel chalcones', VGST, Rs. 5 lakhs.

- **Dr. G. N. Anil Kumar** – 'Experimental and theoretical study of halogen bonding in Acid-pyridine co-crystals', VGST, Rs. 5 lakhs.

## DEPARTMENT OF HUMANITIES

### Publications in (National / International) Journals

- **Mrs. Kanyakumari. S** – 'Vachana Saahityadalli Saamaajika Arivina Chintanegalu Mattu Mavdyategala khandane', International Journal of Kannada Research, peer-reviewed Journal refereed & Indexed Journal, ISSN No: 2454-5813, RJIF:4.89, Vol.7(4), December 2021, pp 160-162.
- **Mrs. Kanyakumari. S** – 'Relevance of Human values in the Higher Education', International Journal of Applied Research, peer-reviewed journal refereed & Indexed Journal, ISSN No-2394-5869, RJIF: 8.4, Vol.7 (12), December 2021, pp 36-39.

## MASTER OF COMPUTER APPLICATIONS

### Publications in (National / International) Journals

- **Dr. S Jagannatha, Dr. Nirunjanamurthy M, Dr. Dayananda** - 'Internet of Thing Based Effective Water Management System For Real Time', International Journal of NVEO, Vol. 8(4), Nov 2021, pp:5511-5520.
- **Ajitha. S, Niranjnamurthy. M** – 'Resourceful smart home energy automation system for real world system', NVEO Natural Volatile & Essential oils, Vol. 8(4), (2021), Pg. 4481-4489.
- **Dr. Niranjnamurthy M. et. al.** - 'OBE: Perception of Computer Science Learners and Teachers in online learning during COVID-19', EAI Endorsed Transactions on Creative Technologies, Vol.8 (29), DOI: 10.4108/eai.12-11-2021.172105 2021-11-12 pp: 1-13.
- **Dr. Manish Kumar** – 'Scalable malware detection system using big data and distributed machine learning approach', International Journal of Soft

Computing (2021). DOI<https://doi.org/10.1007/s00500-021-06492-9>, 05-11-2021.

- **Chaithra, Dr. G.M. Lingaraju, Dr. S. Jagannatha** – 'Automatic Web Page Classification System with Improved Accuracy', International Journal Webologypus, Vol.18(2), December, 2021, pp: 225 – 242,

### Paper presentation in National / International Conferences

- **Dr. Niranjnamurthy M et. al.,** - 'Unsupervised and Supervised Learning based Classification Models for Air Pollution Data', 2<sup>nd</sup> Global Conference for Advancement in Technology (GCAT), on 1<sup>st</sup> – 3<sup>rd</sup> Oct. 2021, pp.1-5, doi: 10.1109/GCAT52182.2021.9587793.
- **Ajay, C.G. Raghavendra, K.B. Rajanna, Dr. Niranjnamurthy M** – 'Design and development of intensive aquaculture supervising model', Global Transitions Proceedings, ISSN: 2666-285X, <https://doi.org/10.1016/j.gltp.2021.08.021>Vol.2(2), November 2021, Pages 299-303.
- **P. Sunagar, D. A. Naik, V. Sangeetha, A. Kanavalli and S. Seema** – 'Feedback Collection and Sentiment Analysis on the Product Reviews,' 2021 IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC), on 3<sup>rd</sup> - 4<sup>th</sup> Dec. 2021, pp. 1-6, doi: 10.1109/ICMNWC52512.2021.9688552.

### Publications - Book Chapter

- **Muralidhar Kurni and Mrunalini M** - 'Managing Health Insurance by using Blockchain Technology' In Malaya Dutta Borah, Roberto Moro Visconti, Ganesh Chandra Deka (eds) Blockchain in Digital Healthcare, 1<sup>st</sup> Edition, Chapman and Hall/CRC, on December 30th, 2021, ISBN: 9780367678616.
- **Srishyla K., Naresh E., Dr. Niranjnamurthy M., Parakh S.D.** – 'Automated Electric Power Saving System in University Classrooms Using Internet of Things' EAI / Springer Innovations in Communication and Computing, ISBN: 978-3-030-77527-8, 26-11-2021.



- **Nandan Mohanty S., Chatterjee J. M., Satpathy S.** - 'Internet of Things and Its Application's, EAI/Springer Innovations in Communication and Computing, Springer, Cham. <https://doi.org/10.1007/978-3-030-77528-5-12>, November 26<sup>th</sup> 2021.

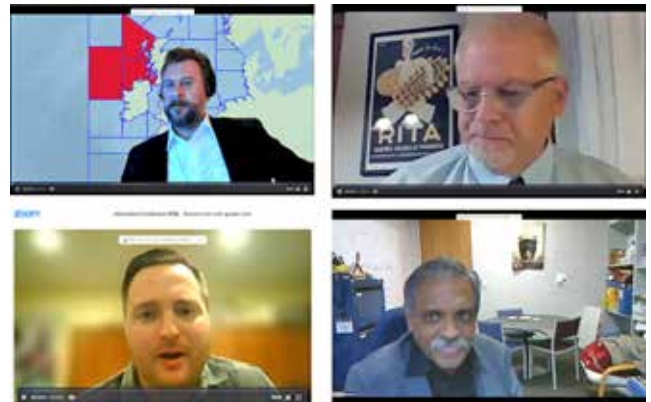
#### Guest Lecture Delivered by the Department faculty:

- **Dr. Niranjanamurthy M** - delivered keynote on 'Software Testing towards Industry Approach' - ICIAL 2021 Sousse, Tunisia 28<sup>th</sup> Nov 2021
- **Dr. S Jagannatha** - 'Data Analytics: Elastic Map Reduce Algorithm' Dept. of MCA, PES College of Engineering, Mandya, 23<sup>rd</sup> Nov 2021
- **Dr. Manish Kumar** - 'Quantum Computing' National Institute of Technical Teachers Training & Research - Chandigarh (NITTTR), 4<sup>th</sup> - 8<sup>th</sup> Oct 2021.
- **K Sailaja Kumar** - 'Online Workshop on Apache Pig and Hive', Department of Computer Science, Mount Carmel College Autonomous, Bangalore, 20<sup>th</sup> Nov 2021.
- **K Sailaja Kumar** - 'Online Workshop on Machine Learning', Department of Computer Science, PSGR Krishnammal College for Women, Coimbatore, 06.12.2021 and 07.12.2021.
- **Geetanjali R** - 'Digital Forensics Awareness and Cyber Security with Machine Learning', Department of Computer Science for BCA and BSc(EMC), M S Ramaiah College of Arts, Science and Commerce, 01-12-2021.

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

- Dr. Niranjanamurthy M. et.al. - written a book with title 'Edge Computing: Fundamentals, Advances and Applications' Taylor & Francis Group CRC Press, USA ISBN 9781032126081, December 23, 2021.
- Pradipkumar Dixit, Viswanath Talasila, M. Mrunalini, Manish Kumar- 'A peer to peer secure energy trading system and a method thereof' Published Patent Application No: 202141004314, Status: Published, date: 22.10.2021.

### DEPARTMENT OF MANAGEMENT STUDIES



- International Conference (Virtual) on 'Innovative Interventions for Inclusive and Sustainable Business Landscape' was inaugurated by Prof. Greg Emery, Ohio University, Athens, USA and Resource Persons- Prof. Mag. Dominic Welsh, Joanneum University, Austria, Mr. Darren Pope, Research Analyst at Independent Health, New York, USA, Dr. Mathew Parikal, University of Otago, New Zealand.

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

- **Dr. P. V. Raveendra, Dr. Y.M.Satish, Dr. G. Vijayakumar, Dr. Arunkumar D. C** - 'Gold Investment: An Inflationary Hedge for Future' in the Review of International Geographical Education, ISSN: 2146-0353, SPRING, Vol.11 (9), 2021.
- **Dr. G. Vijayakumar, Dr. Arunkumar D.C** - 'Caution: Expatriates Ahead: An Expatriate Satisfaction Study in Indian Information Technology Industry', Nat. Volatiles & Essent. Oils, 2021: Vol. 8(4), (2021), Pg.14049-14068.
- **Dr. P. V. Raveendra, Dr. Y.M. Satish, Dr. G. Vijayakumar, Dr. Arunkumar. D. C** - 'Impact of Employee Wellness Programs on Employee Morale in Information Technology enabled services sector' in the Review of International Geographical Education, SPRING, ISSN: 2146-0353, Vol.11(9), 2021.

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

- **Dr. M. R. Shollapur** - 'A Study on factors impacting B-school branding strategies from the perspective

- of recruiters' in the International Conference on 'Innovative Interventions for Inclusive and Sustainable Business Landscape' at RIT, Bangalore from 25<sup>th</sup> to 27<sup>th</sup> November 2021.
- **Dr. P. V. Raveendra** – 'Indian Women Approach on Fairness Products with Respect to Bangalore City' in the International Conference on 'Innovative Interventions for Inclusive and Sustainable Business Landscape' at RIT, Bangalore from 25<sup>th</sup> to 27<sup>th</sup> November 2021.
  - **Dr. P. V. Raveendra** – 'A study on Effect of Price Volatility on Liquidity of Stocks with special reference to Indian Stock Markets' in the Virtual International Conference 2021 on 29<sup>th</sup> & 30<sup>th</sup> Oct 2021.
  - **Dr. Y. M. Satish** – 'A Review Of Investor's Preferences Towards Mutual Funds As An Investment Option' in the International Conference on 'Innovative Interventions for Inclusive and Sustainable Business Landscape' at RIT, Bangalore from 25<sup>th</sup> to 27<sup>th</sup> November 2021.
  - **Dr. Rizwana, Dr. Pallavi.B, Dr. Jyothi E. Singh** – 'Work and Life Integration: Experiences and Perspectives of it Professionals' in the International Conference on 'Innovative Interventions for Inclusive and Sustainable Business Landscape' at RIT, Bangalore from 25<sup>th</sup> to 27<sup>th</sup> November 2021.
  - **Dr. A. Mahalakshmi** – 'The Causes of Stress & Stress Management for Students' in the International Conference on 'Innovative Interventions for Inclusive and Sustainable Business Landscape' at RIT, Bangalore from 25<sup>th</sup> to 27<sup>th</sup> November 2021.
  - **Dr. G. Vijayakumar** – 'Conceptual Study on 'Unethical Promotional Practices in Customer Attraction and Persuasion', in the International Conference on 'Innovative Interventions for Inclusive and Sustainable Business Landscape' at RIT, Bangalore from 25<sup>th</sup> to 27<sup>th</sup> November 2021.
  - **Dr. Arunkumar. D. C** – 'A Study on Consumer Perception towards Insurance Policies' in the International Conference on 'Innovative Interventions for Inclusive and Sustainable Business Landscape' at RIT, Bangalore from 25<sup>th</sup> to 27<sup>th</sup> November 2021.
  - **Dr. Adarsha.K** - 'Optimizing Digital Marketing Strategies' in the International Conference on 'Innovative Interventions for Inclusive and Sustainable Business Landscape' at RIT, Bangalore from 25<sup>th</sup> to 27<sup>th</sup> November 2021.
  - **Dr. T. Mohanasundaram** – 'A guide tour of Taylor & Francis eBooks and Journals in the Webinar', on 08-12-2021.
  - **Dr. T. Mohanasundaram** – 'The effectiveness of the Internet as source of Recruitment and its adoption' in the International Conference on 'Innovative Interventions for Inclusive and Sustainable Business Landscape' at RIT, Bangalore from 25<sup>th</sup> to 27<sup>th</sup> November 2021.
  - **Dr. Jyothi E. Singh** – A Study On Why Facebook Is Re-branding to Meta in the International Conference on 'Innovative Interventions for Inclusive and Sustainable Business Landscape' at RIT, Bangalore, 25<sup>th</sup> to 27<sup>th</sup> November 2021.
  - **Dr. T. Mohanasundaram** – 'Expectation confirmation model to understand the continuance intention of write online review' in the National Conference on '3 I's of sustainable development', 17<sup>th</sup> & 18<sup>th</sup> Nov 2021.
  - **Mrs. S. B. Rashmi** – 'A study on Customers view on dimension of service quality of educational consultancy' in the International Conference on Advances in Engineering, Science and Management, 28<sup>th</sup> & 29<sup>th</sup> Nov 2021.
  - **Mrs. S. B. Rashmi** – 'Impact of Social Media Marketing on Consumer's Behaviour in E-commerce Industry' in the International Conference on 'Innovative Interventions for Inclusive and Sustainable Business Landscape' at RIT, Bangalore, 25<sup>th</sup> to 27<sup>th</sup> November 2021.
  - **Dr. Vaijanath Babshetti** – 'Business Analytics' in 5-day Online Long Term Training Programme, 13<sup>th</sup> to 17<sup>th</sup> Dec 2021.
  - **Dr. Vaijanath Babshetti** – 'Prevalence of Put-Call Parity Relationship an Evidence from Indian Derivatives Market' in the International Conference on 'Innovative Interventions for Inclusive and

Sustainable Business Landscape' at RIT, Bangalore, 25<sup>th</sup> to 27<sup>th</sup> November 2021.

- **Dr. Deepak. R** – 'Cluster Analysis and Discount Policy: A Strategic Relationship in Gaining Visible Ground', in the International Conference on Commerce, Management & Interdisciplinary Subjects, 28<sup>th</sup> & 29<sup>th</sup> Oct 2021.
- **Dr. Deepak. R** – 'Resilient Healthcare Industry: Perspectives from global capital markets during the recent crisis' in the International Conference on Innovative Interventions for Inclusive and Sustainable Business Landscape, at RIT, Bangalore, 25<sup>th</sup> to 27<sup>th</sup> November 2021.

#### Guest Lectures Invited

- **Mr. Rohit.S**, Executive HR, Karle Infra Pvt. Ltd. - 'Reimagining HR', 19-11-2021
- **Ms. Swathi.S**, HR Executive – 'The evolution of HR', 17-12-2021.
- **Ms. Archana Hegde**, Programme Manager, Stay Abode Ventures – 'Holistic approach to Career Development', 24-12-2021.

#### Guest Lecture delivered by the department faculty

- **Dr. T. Mohanasundaram** – 'Financial Ratios: Analysis and Interpretation' at Muscat College, Department Business and Accounting, 02-12-2021.

## ARCHITECTURE

#### Paper presentation in National / International Conferences

- **Jyotsna Rao** – 'Comparison of indoor Air Pollution in a residence in Bangalore, India: Weekday – Weekend analysis', IEEE Bombay Section Signature Conference, 18<sup>th</sup> November 2021.
- **Ranjitha Govindraj** – 'Determinant Effects of using Toilet Cleaners on Indoor Air Quality' IEEE International Conference CENTCON-2021, 19<sup>th</sup> -21<sup>st</sup> November 2021.

- **Lavanya Vikram, Dr. Monalisa Bharawaj** – 'Wasteland Land Use Planning approaches in a GIS environment using Place syntax analysis', 57<sup>th</sup> ISOCRAP World Planning Congress, Doha, Qatar, 8<sup>th</sup> - 11<sup>th</sup> November 2021.
- **Lavanya Vikram, Dr. Monalisa Bharawaj** – 'Smart Planning Strategies for Tourism Infrastructure Management in Pilgrim Cultural Landscape: Case of Udupi', 6<sup>th</sup> World Research Summit for Hospitality and Tourism, 14<sup>th</sup> -15<sup>th</sup> December 2021.

#### Guest Lecture/s – Invited

- **Ashok Kannan** - Associate Director- QDC India Consulting Pvt. Ltd. Structural and MEP Consultants – 'Services and structural analysis for High-rise buildings', 28<sup>th</sup> December 2021.
- **Architect Sathya Prakash Varanashi**, Professor - KSSA, Urban Designer, Sathya Consultants, Bangalore, 'Urban Design, a conversation with Sathya Prakash Varanashi' 17<sup>th</sup> December 2021.
- **Architect Kriselle Afonso**, Architect, Urban Designer - Jana Urban Space Foundation- 'Upgradation of a historic economic centre Russell Market' 10<sup>th</sup> December 2021.
- **Ravi Kumar**, Principal Structural Consultant - Sai Imagineering – 'Emerging Trends in Construction Industry' 1<sup>st</sup> December 2021.
- **Venkatesh, Armstrong** - 'False Ceiling Systems' 18<sup>th</sup> December 2021.
- **Architect Shikha Desai**, Conservation Architect - INTACH- 'Heritage Documentation', 29<sup>th</sup> November 2021.
- **Architect Nidhi Hitesh Bhatnagar**, Architect- Venkatraman Associates- 'Transformative Urban Design- Projects and Practices', 25<sup>th</sup> November, 2021.
- **Architect Arpita Sarkar**, Architect – SOA, RIT 'GIS supported urban data', 18<sup>th</sup> November, 2021.
- **Architect Kavya Seth**, Architect – Studio Ruh 'Moving Walls', 8<sup>th</sup> November, 2021.

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

- Manali P** of 5 S took part in the Bangalore District Weightlifting Competition held at Barbel House under 81kg weight category and won Gold medal. The competition was held on 16<sup>th</sup> October 2021.



- Sriradha** of 5 T was recognized for her graphics design support for over a year to the Lions Club of Bangalore- HSR and was honoured with a memento.

*The highest education is that which does not merely give us information but makes our life in harmony with all existence.*

- Rabindranatha Tagore



- Tisha Singhal** of 3 T participated in Inter Collegiate Zonal tournament for Basketball Girls held at BMSCE Bangalore on 16-12-2021 and 17-12-2021 and secured Runners - up position. She also participated in Inter Zone Tournament for Basketball Girls held at BMSCE Bangalore on 17-12-2021 and 18-12-2021 and secured Third position.



*Educating the mind without educating the heart is no education at all.*

- Aristotle





- **Sathvika D.K** of 3 T participated in Inter Collegiate Zonal tournament for Basketball Girls held at BMSCE Bangalore on 16-12-2021 and 17-12-2021 and secured Runners - up position. She also participated in Inter Zone Tournament for Basketball Girls held at BMSCE Bangalore on 17-12-2021 and 18-12-2021 and secured Third position.



- **Sanghamitra Saha** got an opportunity to exhibit her Artworks in Kalashristi national art exhibition organized by Kalashristi Artist's Group in Karnataka Chitrakala Parishath from 7<sup>th</sup> to 13<sup>th</sup> December 2021.



- **Sanghamitra Saha**, received an appreciation give away gift from Art pop Design studio for the exceptional creativity for the Inktober prompt drawings for the month of October from 1<sup>st</sup> to 31<sup>st</sup>, 2021.



- **Cheruku Tanvi Reddy** of 7 S took part in BMSCE Kreedotsav 2021 and secured Runners-Up position in Badminton Girls. She also took VTU Zonals 2021 in Badminton Girls and secured Runners-Up position.

## LIBRARY AND INFORMATION CENTRE

**RAMAIAH INSTITUTE OF TECHNOLOGY**  
(Autonomous Institute, Affiliated to VTU)

**MSRIT NDLI CLUB ORGANIZES**

**Webinar on Orientation Programme of NDLI**

Resource Person: **Dr. Vignesh Sornamohan**  
Chief Strategic and Outreach Officer  
National Digital Library of India

**27.12.2021**  
Monday  
11:00 AM - 12:00 PM

**Registration Link**  
<https://tinyurl.com/nrindlieventregistration>

**YouTube Link**  
<https://tinyurl.com/nrindliyoutube>

- MSRIT NDLI club organizes the user orientation and training programme for students and faculty on 27.12.2021. Resource person Dr. Vignesh Sornamohan, Chief Strategic and Outreach Officer – National Digital Library of India briefed about the contents available in NDLI Portal and resources for teaching, learning and usage methods of e-resource etc. Around 150 MSRIT NDLI club members actively

participated and interacted with resource person which was informative & useful event.

### Achievement



- **Dr. M. Ebenezer Selvakumar**, Head / Chief Librarian, has been nominated as one of the Top 20 Eminent Librarians in India for the year 2021 awarded by The Academic Council of ULektz.

## PLACEMENT & TRAINING

### The main Highlights

#### 515 Companies visited & 1224 offers

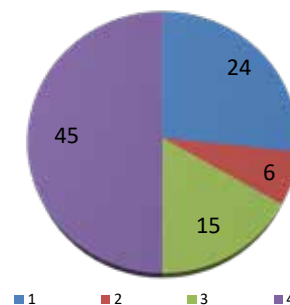
- Highest package:  
**Apple India: Annual CTC: 31,37,930 LPA,**  
**Total CTC: 64,23,400 LPA**
- International Placements:  
**Sobha Constructions LLC, DUBAI:**  
**CTC: 5000 AED per month**
- Highest Stipend:  
**Walmart Global Tech: 90, 000/- per month**

## RESEARCH AND DEVELOPMENT CELL

- **Core Research Faculty** - RIT has constituted 'Core Research Faculty' during Jan 2019 in order to execute collaborative project / research in interdisciplinary / multidisciplinary areas.
- **Dr. N. Sriraam (Head R & D)**
- **Dr. K.R.V. Subramanian, (Mechanical)**
- **Dr. Shilpa Chaudhari (CSE)**
- **Dr. Sharath D, (CIT)**
- **Dr. Santhosh LG, (Civil)**
- **Dr. Megha P Arakeri, (ISE)**
- **Dr. Janamejaya C, (EEE)**
- **Dr. Nagaraju Kottam, (Chemistry)**
- **Dr. Christina Grace C, (EIE)**
- **Dr. Dinesh P. A, (Mathematics)**
- **Dr. Deepali Koppad (ECE)**
- **Dr. Raghuram S (ECE)**
- **Dr. R Hari Krishna, (Chemistry)**
- **Dr. T P Krishna Murthy, (BT)**
- **Dr. Jyothilakshmi R, (Mechanical)**
- **Dr. Shobha K R, (ETE)**
- **Dr. Shobha R, (IEM)**
- **Dr. Sweeti, (ML)**
- **Dr. Roshni Ramachandran, (BT)**

### Patents details as on December 2021

#### PATENT



1. Total Number of Application Received
2. Filed / Published
3. To be filed (DF Approved)
4. Under process of Filing



## NSS



- **A Webinar** – is conducted by NSS team on 9<sup>th</sup> of October 2021, on the topic 'Nutri-Ethics'. Ms. Ghazal Furniturewala, Senior nutritionist from Team Rujuta Diwekar delivered talk. After the talk, she proactively interacted with the volunteers and clarified their doubts patiently. Her insights on health, washing and gimmicks played by food industry was a real eye-opener. She informed the significance of inculcating local and seasonal traditional foods in the diet that boost the immunity.



- **General Health Camp** - was organized on 3<sup>rd</sup> of November, 2021 by NSS team of RIT in collaboration with Medwel organization. There was a plethora of medical tests available ranging from basic ones like BMI, blood sugar test etc. to advanced ones like thyroid test, lipid profile test, blood urea test, HIV etc. In the camp all the basic tests were free of cost and others were paid but at nominal rates.



- **23<sup>rd</sup> Annual Blood Donation Camp** - was inaugurated on 23-12-2021 by Sri M R Seetharam, Hon'ble Vice Chairman, GEF & Director, RIT. Around 250 volunteers were involved in making the event a success. 925 units of blood was collected.

## DEPARTMENT OF SPORTS



- **Pratyanshu Tomar**, VII semester Mechanical Engineering represented the Indian Sr. Basketball Team as player in FIBA Asia Cup 2021, Qualifying Tournament held at Jeddah, Saudi Arabia from 20<sup>th</sup> to 22<sup>nd</sup> August 2021.



- **I. Ganashyama Prabhu** of V Semester EIE represented Karnataka in 59<sup>th</sup> National Roller Skating Championship held at New Delhi from 10<sup>th</sup> to 22<sup>nd</sup> Dec. 2021. He Secured: Gold Medal -3000 Mtrs Relay, Bronze Medal -1000 Mtrs Rink Race.



- **Arundathi S Deshpande** of VII Semester EIE, Participated VTU Single Zone [State Level] Swimming Competition held at Basavanagudi Aquatic Centre Organised by Jyothi I T, B'lore on 15<sup>th</sup> Dec. 21 and Secured Medals in Gold – 100 Mts Breast Stroke; Gold – 50 Mts Breast Stroke; Gold – 50 Mts Free Style; Silver – 200 Mts Breast Stroke; Bronze – 50 Mts Back Stroke. She represented VTU in All India Inter University Competition held at Kalinga University, Bhubaneshwar, Odisha from 22<sup>nd</sup> to 26<sup>th</sup> Dec – 21.



- **Pradyumna Sainath Chavan** of V Semester EIE, Preetham M of VII Semester Mechanical and Pratyanshu Tomar of VII Semester Mechanical represented VTU in South Zone Inter University Championship 2021-22 held at CHRIST University, Bangalore from 30<sup>th</sup> Dec-21 to 4<sup>th</sup> Jan-2022



- **Karthik N Gowda and Joshua Simon** of I Semester Mechanical represented Karnataka in 71<sup>st</sup> Junior National Basketball Championships [U-18] held at Indore, Madhya Pradesh from 3<sup>rd</sup> to 11<sup>th</sup> Jan 22.



- **Nikitha Ramesh** of V Semester EIE represented VTU in South Zone Inter University Championship 2021-22 held at CHRIST University, Bangalore from 30<sup>th</sup> Dec-21 to 4<sup>th</sup> Jan-2022 South Zone Inter University Championship 2021-22 held at Rayalaseema University, Kurnool (AP) from 14<sup>th</sup> to 18<sup>th</sup> December 2021.



- **Veghana G and Shreya S** of V Semester Medical Electronics represented VTU South Zone Inter University Championship 2021-22 held at Mahatma Gandhi University, Kottayam, Kerala from 27<sup>th</sup> to 31<sup>st</sup> December 2021.





- **Basketball [Men] - Winners** – in VTU Bangalore Central Zone Basketball Tournament held at BMSCE, Bangalore on 15<sup>th</sup> December 2021. **Winners** – in VTU State Level [Inter Zone] Basketball Tournament held at GMIT, Davanagere on 19<sup>th</sup> & 20<sup>th</sup> December 2021. **Winners** – in BMSCE – “KREEDOTHSAVA – 21” an Inter Collegiate Badminton Tournament, held on 22<sup>nd</sup> & 23<sup>rd</sup> November 2021.



- **Badminton [Men] - Winners** – in VTU Bangalore Central Zone Tournament held at BMSCE, Bangalore on 15<sup>th</sup> & 16<sup>th</sup> November 2021. **Winners** – in VTU State Level [Inter Zone] Tournament held at VVCE, Mysore on 20<sup>th</sup> & 21<sup>st</sup> November 2021. **Winners** – in BMSCE – “KREEDOTHSAVA – 21” an Inter Collegiate Badminton Tournament, held on 22<sup>nd</sup> & 23<sup>rd</sup> November 2021.



- **Badminton [Women] - Runners** – in VTU Bangalore Central Zone Tournament held at BMSCE, Bangalore on 15<sup>th</sup> & 16<sup>th</sup> November 2021; **Runners** – in VTU State Level [Inter Zone] Tournament held at VVCE, Mysore on 20<sup>th</sup> & 21<sup>st</sup> November 2021, **Runners** – in BMSCE – “KREEDOTHSAVA – 21” an Inter Collegiate Badminton Tournament, held on 22<sup>nd</sup> & 23<sup>rd</sup> November 2021.
- **Chess [Women] - Winners** – in BMSCE – “KREEDOTHSAVA – 21” an Inter Collegiate Badminton Tournament, held on 22<sup>nd</sup> & 23<sup>rd</sup> November 2021.



- **Chess [Men] - Runners** – in BMSCE – “KREEDOTHSAVA – 21” an Inter Collegiate Badminton Tournament, held on 22<sup>nd</sup> & 23<sup>rd</sup> November 2021.



- **Basketball [Women] - Runners** in – VTU Bangalore Zone Basketball Tournament held at BMSCE, 16<sup>th</sup> Dec. 2021



- **Basketball [Women] - 2<sup>nd</sup> Runner up in** – VTU State Level [Inter Zone] Basketball Tournament held at BMSCE, Bangalore, 17<sup>th</sup> & 18<sup>th</sup> Dec. 2021.



- **Basketball [men] - Winners** – in VTU Bangalore Central Zone Basketball Tournament held at BMSCE, Bangalore on 15<sup>th</sup> December 2021. **Winners** – in VTU State Level [Inter Zone] Basketball Tournament held at GMIT, Davanagere, 19<sup>th</sup> & 20<sup>th</sup> December 2021.



- The Juke Radio plays Progressive Carnatic fusion. They blend elements like progressive rock, blues n jazz, heavy metal, djent, among others, with the beautiful Indian Carnatic raagas.



## DEPARTMENT OF EXTRA - CURRICULAR ACTIVITIES

- The 2021 version of TEDx was organized with a theme of 'Mission Twenty Twenty Won?' on 25<sup>th</sup> Sep 2021. The resource person was Dr. Suresh BadaMath, Professor of Psychiatry and Head of Forensic Psychiatry Centre and Unit V at National Institute of Mental Health and Neuro Sciences, Bangalore.

## RANK HOLDERS

### Department of Electrical & Electronics Engineering

#### UNDER GRADUATE



**ASHITA VICTOR**  
USN - 1MS17EE013  
RANK - I



**JAIDEEP D PATIL**  
USN - 1MS17EE026  
RANK - II



**DIVYA RASHI B**  
USN - 1MS17EE022  
RANK - III

#### POST GRADUATE



**NAMRATHA RAJ**  
USN - 1MS19ECD06  
RANK - I



Department of Mechanical Engineering

UNDER GRADUATE



**TEJAS SANDEEP  
DESHPANDE**  
USN - 1MS17ME190  
RANK - I



**POORVA VIVEK  
SADEKAR**  
USN - 1MS17ME118  
RANK - II



**VINAY N**  
USN - 1MS17ME201  
RANK - II



**AMIT B BENNADI**  
USN - 1MS17ME025  
RANK - III



**KISHOR .H**  
USN - 1MS18ME417  
RANK - IV

Department of Civil Engineering

UNDER GRADUATE



**DEEKSHA M P**  
USN - 1MS17CV038



**POORNASHREE S**  
USN - 1MS17CV078



**PRAVEEN KUMAR S D**  
USN - 1MS17CV083



**AUBAID MANSOOR  
KUCHAY**  
USN - 1MS17CV027



**ADDAGALLA  
HARI PRIYA**  
USN - 1MS19CSE01

POST GRADUATE

Department of Electronics & Communication Engineering

UNDER GRADUATE



**AJITH POTLURI**  
USN - 1MS17EC008  
RANK - I



**AJAYA S**  
USN - 1MS17EC007  
RANK - II



**MANJUNATH R**  
USN - 1MS17EC049  
RANK - III



**GAURAV R**  
USN - 1MS17EC028  
RANK - IV

Department of Electronics & Communication Engineering

MASTER OF TECHNOLOGY



**NAYANA**  
USN - 1MS19LEC11  
RANK - I



**SUSHMITA HAWALDAR**  
USN - 1MS19LVS15  
RANK - I

Department of Chemical Engineering

UNDER GRADUATE



**RUPA RAGAVAN**  
USN - 1MS17CH041  
RANK - I



**SADDAM SHARIEFF**  
USN - 1MS17CH042  
RANK - II



**AKANKSHA M S**  
USN - 1MS17CH005  
RANK - III

Department of Industrial Engineering and Management

UNDER GRADUATE



**NAVYA T**  
USN - 1MS17IM029  
RANK - I



**K ANJULAKSHMI**  
USN - 1MS17IM018  
RANK - II



**AKHILA MUKUNDA**  
USN - 1MS17IM005  
RANK - III

POST GRADUATE



**NAVEEN**  
USN - 1MS19MIE10



Department of Computer Science and Engineering

UNDER GRADUATE



**ZAIFA KHAN**  
USN - 1MS17CS144



**UJWALA G**  
USN - 1MS17CS129



**KIRAN M H M**  
USN - 1MS17CS046



**ROSE MARY  
BINOY M**  
USN - 1MS17CS101



**SATHVIK K P**  
USN - 1MS17CS143



**MUMTAZ IRTEQA  
AHMED**  
USN - 1MS17CS067

POST GRADUATE



**NAGASHRI K**  
USN - 1MS19SCS12



**DARSHINI P**  
USN - 1MS19SCN04

Department of Electronics & Instrumentation Engineering

UNDER GRADUATE



**HAARIS RAHMAN**  
USN - 1MS17EI016  
RANK - I



**TEJAS V**  
USN - 1MS17EI057  
RANK - II



**SHUBHANGI GUPTA**  
USN - 1MS17EI046  
RANK - III

Department of Information Science Engineering

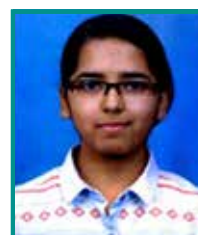
UNDER GRADUATE



**AKHILA N**  
USN - 1MS17IS013  
RANK - I



**DHRUTHICK GOWDA M**  
USN - 1MS17IS040  
RANK - II



**AISHWARYA N**  
USN - 1MS17IS143  
RANK - III



**RITESH SAINI**  
USN - 1MS17IS091  
RANK - IV

Department of Information Science Engineering

POST GRADUATE



**AISHWARYA S KULKARNI**  
USN - 1MS19SSE01  
RANK - I



**VAISHNAVI A S**  
USN - 1MS19SSE22  
RANK - I

Department of Medical Electronics Engineering

UNDER GRADUATE



**SUPRIYA B S**  
USN - 1MS17ML053  
RANK - I



**SOUNDARYA A**  
USN - 1MS17ML050  
RANK - II



**ROHAN B M**  
USN - 1MS17ML043  
RANK - III

Department of Electronics and Telecommunication Engineering

UNDER GRADUATE



**STEVE JIGY ANTONY**  
USN - 1MS17TE056



**SHRESHTHRA MEHORTRA**  
USN - 1MS17TE050



**TRIVIKRAM**  
USN - 1MS17TE058

POST GRADUATE



**ARIEB ASHRAF SOFI**  
USN - 1MS19LDC01

**Department of Biotechnology**

**UNDER GRADUATE**



**SHISHIRA S NAIR**

USN - 1MS17BT045  
RANK - I



**AFRAA AQEEL ZACKRIA**

USN - 1MS17BT003  
RANK - II



**SANMATI N**

USN - 1MS17BT040  
RANK - II



**JAANAKI RAGHUNATH**

USN - 1MS17BT014  
RANK - III

**MASTER OF TECHNOLOGY**



**ADDAGALLA HARI PRIYA**

USN - 1MS19BBT10  
RANK - I



**SWATI KRISHNA**

USN - 1MS19BBT11  
RANK - II

**Master of Computer Application**

**UNDER GRADUATE**



**SNEHA RAJAGOU DA KAGE**

USN - 1MY18MCA24  
RANK - I



**SHILPA R**

USN - 1MY18MCA21  
RANK - II



**DHANUSH K S**

USN - 1MY18MCA05  
RANK - III

**Department of Management Studies**

**UNDER GRADUATE**



**KESHAVANAGESH. M.V**

USN - 1MS19MBA40  
RANK - I



**NARMADA.S**

USN - 1MS19MBA55  
RANK - II



**NEHA DEVA**

USN - 1MS19MBA57  
RANK - III



**POONAM RAMACHANDRA  
KAMBLE**

USN - 1MY19MBA04  
RANK - IV

## NEW APPOINTMENTS

### Department of Electrical & Electronics Engineering



**Dr. S Poornima**, joined as Assistant Professor in Electrical & Electronics Engineering department of RIT. Her areas of interest are Power systems, high voltage engg, Artificial Neural networks.



**Dr. Binshati Chettarjee**, joined as an Assistant Professor in the Electrical & Electronics Engineering department of RIT. Her areas of interest are Control systems, photonics, Optical Communication.

### Department of Electronics & Communication Engineering



**Dr. Rajendra Prasad P** – joined as Assistant Professor in Department of Electronics & Communication department, he has a career spanning over eleven years in the field of engineering education. Completed his Ph.D. from Visvesvaraya Technological

University, Belagavi in the domain of wireless communication and networking during 2016-2021. He has 1 patent and 35 technical papers published. He is a IEEE senior member.



**Dr. Dilip Kumar Choudhary** - joined as an Assistant Professor in ECE Department of MSRIT. He received PhD degree in Electronics Engineering from the IIT (ISM) Dhanbad, India in June 2020. He has authored more than 30 referred Journal and

Conference papers including 16 SCI Journals. He has authored one copyright and two book chapter.

### Department of Industrial Engineering & Management



**Dr. Niranjana C A** - joined as Assistant Professor in the Dept. of Industrial Engineering and Management, RIT. He obtained B.E degree in Industrial Production Engineering from Bapuji Institute of Engineering

Technology, Davangere, M.Tech in Production Engineering System Technology from National Institute of Engineering, Mysore and Ph.D. from BMS College of Engineering, Bengaluru under VTU in 2020. He has more than 5 years of research Experience and 2 years of Teaching Experience. His Research interests are in area of Abrasive Water Jet Cutting, Magnesium based materials, Non Traditional Machining, Supply Chain Management, Experimental design and Analysis



**Dr. Siddhartha Kar** - joined as Assistant Professor in the Department of Industrial Engineering & Management, Ramaiah Institute of Technology, Bangalore. He has obtained his B.E. degree in Production Engineering, M.Tech. degree in

Computer Integrated Manufacturing from NIT, Agartala and Ph.D. degree from National Institute of Technology Silchar, Assam, India. His subjects of interests are Manufacturing, Materials Science and Production Engineering.

### Department of Information Science Engineering



**Dr. Sanjay H A** - joined as Head of the Department, ISE, RIT, he received his B.E. (EEE) from Kuvempu University, M. Tech (CSE), from VTU and Ph.D. in the field of Parallel and Grid Computing, from Indian Institute of Science, Bangalore. His main

research interests are Distributed System, parallel computing, cloud computing, Performance modeling and Block chain. He has successfully completed a few research and consultancy projects funded by



Department of Information Technology-New Delhi, ISRO, AICTE, VGST, VTU, and KSCST-UNESCO. Dr. Sanjay has been identified as a Master Trainer by NBA in the year 2013 to train the Faculty on OBE and Accreditation Process. He is also served as expert committee member for NBA Accreditation Visits.



**Dr. Rudresh Deepak Shirwaikar** - joined as Associate Professor in ISE department, completed his PhD in Computer Science and Engineering from Manipal Institute of Technology, Manipal Academy of Higher Education (MAHE), Karnataka. Dr. Rudresh

Deepak Shirwaikar have overall 16 years of experience in teaching, research and administration. His research areas include AI in Medicine, Data mining, Machine learning and Data warehousing.

#### Department of Electronics and Telecommunication Engineering



**Dr. Karthikeya G. S** - joined as Assistance Professor in Department of Electronics and Telecommunication Engineering. He received his undergraduate degree in electronics and communication engineering, with distinction, in the year 2010

from Visvesvaraya Technological University, Belgaum. He received his Master's degree, with distinction, in Microwave engineering from University of Kerala in 2012. He has authored or co-authored more than 60 articles in peer-reviewed journals and international conference proceedings. He has also filed 4 Indian patents and 2 US patents. He has co-authored three state of the art books and a book Chapter. He serves as the reviewer of several IEEE and John Wiley journals.

#### Department of Biotechnology



**Dr. Divyashree** joined as Assistant Professor at the department of Biotechnology, RIT, Bengaluru. She holds a doctoral degree from CSIR-CFTRI, Mysore in the field of Prebiotics and Functional Foods.

She has 3 months of industry research experience as "Principal Research Scientist" at Bioman Technologies Pvt. Ltd., Bengaluru. She is a recipient of university gold medalist for securing first position in M.Tech. She cleared National Level Entrance Exam-CSIR GATE in 2011 and was awarded CSIR GATE fellowship for 5 years to pursue Ph.D at CSIR-CFTRI, Mysore.

#### Department of Mathematics



**Dr. Sowmya G** - Joined as Assistant Professor in Department of Mathematics in RIT. She was previously worked at National College, Jayanagar. She received her Ph.D. degree from Kuvempu University for her research work on 'Heat transfer

analysis in different fin structures in the presence of Nanofluids'. To her credit, she has thirty-five research articles in international journals and presented several research papers in national and international conferences.

#### Department of Chemistry



**Dr. Gurushantha K** - joined as Assistant Professor in the Department of Chemistry. He has completed his Bachelor degree from Bangalore University in the year 2007, Master degree in Tumkur University in the year 2009 and. completed his

Ph. D from VTU in 2017. His research topics are Nano materials, Waste water treatment, Photo catalysis & Photoluminescence has published 18 papers in peer reviewed International and national journals.



**Dr. Sampath Chinnam** - joined as an Assistant Professor in the Department of Chemistry, He obtained his Ph.D. degree during 2010-2013 specialized in Synthetic Organic and Medicinal Chemistry from Sri Venkateswara University, Tirupati. completed

his M.Sc. Organic Chemistry in 2008 and B.Sc. (M.P.C) in 2006 in Acharya Nagarjuna University, Guntur. He

had two Post-Doctorates for three years in the field of Synthetic Organic, Medicinal Chemistry, and Computer-Aided Drug Design at the University of KwaZulu-Natal and the University of Zululand, South Africa during 2013 to 2015; and 2016-2017. He has published 33 publications and 12 patents.

### Department of Physics



**Dr. Ambika M R**, joined as an Assistant Professor of Physics, MSRIT in November 2021. She obtained her Ph.D. degree in Physics from Bangalore University in the year 2018 in the field of Polymer composite radiation shields. She has 7 years of teaching experience and 9 years of research experience. She has served as a Member/Co-Ordinator of several academic/curricular activities, authored and co-authored several national and international publications. Her areas of research include Radiation Physics, polymer composites and Computational Physics. She is a life member of IARP, IANCAS & ISC.

### Department of Management Studies



**Dr. Deepak R**, joined as Associate Professor in Department of Management Studies, Ramaiah Institute of Technology. He completed Ph.D. in the area of Finance from Manipal University. The thesis was recognized for the Best Ph.D. thesis award in

Management paper presentation at Prestige Institute of Management and Research, Indore. He did his MBA from Marshall University, West Virginia, USA. He was the recipient of Best student award in Academics and soft skills in MBA. He has 16 years of teaching experience and have published and presented more than 50 papers in the area of investments, behavioural finance and Business analytics in National and International conferences in India and abroad.

### Architecture

**Sreesha S Bhat**, joined as an Assistant Professor in RIT School of Architecture, he is graduated from Visvesvaraya Technological University, Belgaum, and



Masters in Urban Design from University of Mysore. Prior to RIT School of Architecture, Sreesha has worked with Acharya School of architecture and NITTE Institute of Architecture, Mangalore. His research experience with Indian Institute of Science lies on micro-climate under urban studies. His other areas of interest include urban design, Master planning, and public space design.



**Harshita D**, joined as Assistant Professor in RIT School of Architecture, she holds master degree from RV school of architecture, Bangalore. specialized in urban design and bachelor degree of Architecture from PDA College of engineering, Kalburgi. She has been into academics for over about 3 years. As practitioner, she has 2-year of industry experience, worked on various residential, commercial, institutional and urban transport projects and program in government urban development department and private firms. Apart from academic and professional work, she has actively participated in various social organizations on different urban issues.



## Highlights of Ramaiah Institute of Technology

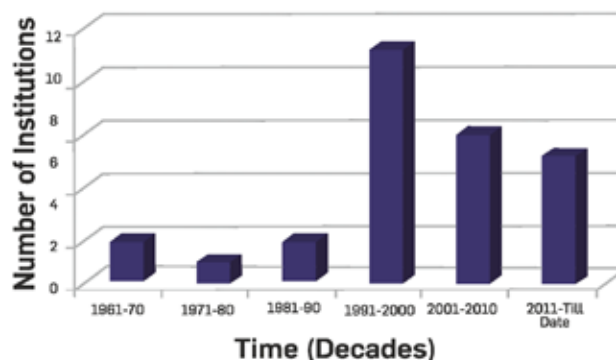
- Strategically located in the heart of Bengaluru City offering excellent connectivity and convenience.
- Proven track record spanning 58 years, in Engineering Education.
- Outstanding placement record up to 90-95% accomplished year on year.
- Faculty-Student the ratio of 1:15 among the best in the industry.
- Highly qualified and committed faculty, constantly evolving teaching-learning methodology.
- State-of-the-art infrastructure and facilities are comparable to international standards.
- Focus on all-round development to enable professionals to deliver in a dynamic ecosystem.
- Industry oriented instructional content to ensure strong synergy with the changing requirements.
- Several departments involved in various prominent projects.
- A solid association with leading names in the industry.

## 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 Institute of Management  
 Ramaiah College of Law  
 Ramaiah High School  
 Ramaiah Medical College  
 Ramaiah Institute of Physical Medicine & Rehabilitation  
 (Physiotherapy)  
 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  
 Ramaiah Clinical Research Centre  
 Ramaiah Harsha Hospital  
 Ramaiah Leena Hospital  
 Ramaiah Neha Prakash Hospital  
 Ramaiah Clinic  
 Ramaiah Public Policy Center  
 Ramaiah Innovation Centre for Healthcare Technologies  
 Ramaiah Sunrise Ayurveda Center, Penang, Malaysia  
 Ramaiah Officers IAS Academy  
 Ramaiah Quality Assurance Cell  
 Ramaiah International Centre for Public Health Innovation  
 Ramaiah University of Applied Sciences

### **Growth of the GEF family of Institutions**



**A total of 29 Institutions are established under the umbrella of Gokula Education Foundation**

### **RAMAIAH INSTITUTE OF TECHNOLOGY**

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