From the editorial board

Message from the Principal and Chief Editor

Friends,

It is my pleasure to present another issue of Sampige of the year 2015 with detailed activities of MSRIT and achievements of our faculty, staff and students. All efforts have been spared to consolidate information about the activities of the institute since we consider this News Bulletin is an effective communication tool. Sampige is also available on our website for the information to all our parents, students and other stakeholders. We heartily congratulate all the prize winners of the open day project exhibition ‘Pradarshana - 2015’ and best outgoing students of the individual departments and institute. Hope that this edition is informative and useful.

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

Message from the Editor

Friends,

I am glad to present before you the next issue of Sampige. As usual all the efforts have been made to bring out this issue a well documented with all the events at the institute and department levels. We specially congratulate all the prize winners of best project award, a competition held for the final year students as part of the Open day Project exhibition ‘Pradarshana-2015’ and all the best out going students of the departments and the institute. We thank all the heads for their timely cooperation extended in bringing out this issue. Please feel free to offer any suggestions for the improvement of Sampige a Quarterly News Bulletin.

With best wishes.
Dr. V. Ramachandramurthy
Industrious and enterprising, Dr. M. S. Ramaiah is among Karnataka’s illustrious sons and an engineering contractor of national repute. He founded ‘Gokula Education Foundation’ in 1962 without expecting any kind of assistance from the establishment with an objective of serving the society. M.S. Ramaiah Institute of Technology (MSRIT) was born under the aegis of this foundation in the same year, creating a landmark in technical education in India.

Through the years MSRIT has imparted quality engineering and education, accessible to thousands from across India and abroad, facing a lack of opportunity to pursue higher education.

Widely acknowledged as a visionary, educationist, industrialist and philanthropist, Dr. M. S. Ramaiah personally ensured that the institution which began with just two disciplines, grew phenomenally over the years. MSRIT now offers Bachelors, Masters and Doctorate programmes in several disciplines and is recognised as one of India’s leading names in technical education. The institution is with state-of-the-art laboratories, well stocked libraries and has highly qualified, experienced and dedicated faculty. In tune with the noble ambitions and aspirations of Dr. M. S. Ramaiah to keep the institution growing and developing continuously so as to become a ‘Jnanasagara’, 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 1 year classes(Fresher’s Day) of B.E and B.Arch

Inauguration of 1 year classes(Fresher’s Day) of BE and B.Arch for the academic year 2015-2016 was held in the institute on 06-08-2015. The event began with giving a tribute to the great soul Dr. A P J Abdul Kalam with a two minute silence.

Dr N V R Naidu, Principal MSRIT welcomed all the New entrants of MSRIT and their parents. He congratulated the new students and their parents for choosing MSRIT, one of the best institution aspired by many of the candidates both at national and international Level. He assured the parents that their wards are in safe place and personal care will be taken by the institute at levels during their 4 years of stay. He also highlighted the vibrant activities of placement department and best practices followed at the institute for the welfare of the students.

The Chief Guest Dr. Baldev Raj, Director National Institute of Advanced Studies, Bengaluru and Guest of Honour Sri Aju Jacob, Distinguished Alumni of MSRIT, Director Synthite Industries Ltd, Synthite Valley, Kolenchery along with the other dignitaries inaugurated the Commencement of Classes for 1st Year B.E/B. Arch Programmes.

The Inaugural address was delivered firstly by the Chief Guest Dr. Baldev Raj. He spoke about the responsibilities of Engineers in Nation Building. He also stressed that the young students should be passionate and work in teams to achieve their goals. He advised the students to utilize the internet to connect all Universities across the globe and build collective learning concept. He also advised the students to achieve success through ethical ways only. He opened up new challenges to the youth to innovatively think of providing solutions to problems such as drinking water, smart transportation etc. which the Country is facing presently. He mentioned the lines Quoted by Dr A P J to dream big.

Guest of Honour Sri Aju Jacob, shared with the new students his personal experiences at MSRIT and thanked the Management for giving him an opportunity to address the New Entrant of MSRIT. He advised the students to form technical clubs to work toward reaching their goals. He also stated that students need to pursue their passion with purpose. He requested the parents to play an active role in their Child’s professional career also.

Sri Tallam Venkatesh, President, MSRI Alumni Association in his address projected the various activities of MSRTAA association like the Merit Cum Mears Scholarship. The book Bank, The research Funds given to the students for the project and invited all the new entrants to be a part of the MSRTAA activities. He also urged the students to respect Parents, Elders, Teachers and the Institute. He concluded his talk by urging the students to be proud of Being Indian and more so to be good Human Beings.

Dr. M R Jayaram, Honorable Chairman, GEF, Sri M R Sreeharam MLC, Honorable Vice Chairman, GEF and Director MSRIT, Sri. M R Ramaiah, Honorable Secretary GEF and Director MSRIT also addressed the gathering and motivated the students to follow the principles of disciple, good morals, and commitment towards learning and not to forget Teachers and Parents. They also advised the students to build and contribute towards the Knowledge which is now the bridge between the West and the Eastern Countries. They emphasized that the young students need to develop Science and Technology to protect Nature. They urged the parents to interact with the faculty and college regularly. Sri. G. Ramchandra, CFO, GEF was present on the occasion. The function concluded with the vote of thanks by Dr. T V Suresh Kumar, Registrar Academic.
Graduation of the institute for the graduating students both UG and PG was held in the institute on 19-08-2015. The Graduation day started with a ceremonial procession lead by controller of Examination Dr C G Puttappa along with Directors of MSRIT, Governing body members and Academic Council members.

Dr. N V R Naidu, Principal MSRIT welcomed all the dignitaries and the gathering and congratulated all the graduating students and appreciated their dedicated efforts towards completion of their courses.

Chief Guest, Padma Shri Dr. Y S Rajan, Honorary Distinguished Professor, ISRO, Dept of Space, Govt. of India, addressed the gathering and appreciated the enormous achievements of MSRIT. He advised the students to master in multiple technologies and keep their minds wide open, grab all opportunities and not to be afraid of Change. He blessed all the students by mentioning a Sanskrit Sloka which stated prosperity and well being of all human beings for 100 Yrs and beyond. Honorable Chairman, GEF Foundation Dr. M R Jayaram delivered Presidential address, he blessed all the students to have good carrier and good life and then declared the “Graduation day ceremony dissolved”.

Guest of Honor Sri Tallam Venkatesh, President, MSRIT Alumni Association wished Good Luck to all the graduating students under Academic Autonomy in all their future endeavors and congratulated them.

Dr.C G Puttappa CEO presented all the graduating students to the honorable Chairman, members of governing body and academic council members. Dr.T V Suresh Kumar, Registrar(Academic) presented the list of rank holders for the award gold medals. Dr. M R Jayaram, Honorable Chairman, GEF, Chief guest and other dignitaries honoured all the rank holders. Heads of concerned departments along with Academic Council members distributed degree certificates to all the graduating students.

Sri M R Seetharam, MLC, Vice Chairman, GEF, and Director MSRIT, Sri. M R Ramaiah, Honorable Secretary GEF and Director MSRIT, Chief Executive Sri. S M Acharya, Dr V K Aatre, Governing Body member, Srij. G. Ramchandra, CFO,GEF and Sri Ramesh Naik S Registrar(Admin.) were present on the occasion.

An MoU was signed between M S Ramaiah Institute of Technology, Bangalore and National Instruments India Pvt. Ltd. to establish NI LabVIEW Academy, at MSRIT on 27th August 2015. The facility is being established with a vision to empower the students with ‘do engineering’ skills, so that they will be industry ready when they graduate. A student who undergoes training in the academy will be able to efficiently design, prototype, and deploy their system designs, at the end of the training. Mr.Solankiuty Dhanabal, Academic Manager, National Instruments, India, spoke at the MoU signing program and emphasized the benefits of the training to the students. Dr.Premila Manohar, Head of the Department of Electrical and Electronics Engineering initiated the activity in the college.

Department of Electrical & Electronics Engineering organized a 5 day Faculty Development Program (FDP) on “Advances in HVAC, HVDC & FACTS Controllers” during 13th to 17th July 2015 under TEQIP. The main objective of the program was to provide a platform for teachers of engineering institutions, research scholars and practicing high voltage engineers to learn modern techniques for increasing power generation as well as efficiently transmitting it. About 40 external and 20 internal participants were attended the FDP.

Department of Electrical & Electronics Engineering in collaboration with National Instruments under TE QIP organized a three day event titled “LabVIEW for the Research in Power Systems and Power Electronics Engg”, from 23rd to 25th July 2015. Experts from eminent industries such as National Instruments, VI solutions, were invited to talk on latest technologies. About 50 Participants attended the event.

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Faculty Publications:
Publications in (International /National) Journals

Publications in (International/National) Journals

• Smt. Lalitha Anil, Executive Director, Eno Vehicles Pvt Ltd, Bangalore delivered a talk on “Electric and Hybrid Vehicles” on 18th September at MSRIT.
• Mr. Abhiram Kumar, Application Engineer, Axis Global Automation, Bangalore delivered a talk on “Industrial Automation and Robotics “, on 4th September at MSRIT.

Guest lectures delivered by the department faculty:
• Dr. Premila Manohar delivered a series of talks on “HVDC Systems” in a 5Day FDP on “Advances in HVAC, HVDC & FACTS Controllers” during 13th to 17th July 2015 under TEQIP at MSRIT.
• Dr. Pradipkumar Dixit delivered a lecture on “Outdoor Insulation” in a 5Day FDP on “Advances in HVAC, HVDC & FACTS Controllers” during 13th to 17th July 2015 under TEQIP at MSRIT.

Guest lecturers arranged in the department:
• Sri Kallippan.P, Senior Scientist, CPRI ,Bangalore delivered a talk on “Numerical Relays for Power System Protection”, on 21st November, at MSRIT.

DEPARTMENT OF MECHANICAL ENGINEERING

• Five day Faculty Development Programme on Recent Advances in Internal Combustion Engine (RAICE-2015)” under TEQIP-II was organized by the department between 20th to 24th of July 2015. The objective of the program was to familiarize the research scholars and faculty members of engineering colleges to the specialized field of internal combustion engine. The research topics such as the combustion phenomenon and fuels in spark ignition and compression ignition engines, heat transfer, fuel injection, cooling, lubrication, spiraling fuel prices, stringent pollution norms, biofuels etc., were taken for discussion during technical sessions. Around 60 faculty members and research scholars across the state had participated in the program. The program provided a perfect platform for students, teachers of engineering colleges, researchers and industrial professionals to upgrade their knowledge in the field of Internal combustion engines.


Publications in (International/National Journals)


Conferences

Papers presented in (International/ National) Conferences


Guest Lectures Invited:

- **Dr. C M Manjunath**, Senior Principal Scientist and Group Head, Fatigue and Structural Integrity Group, Structural Technologies Division, CSIR-National Aerospace Laboratories, Bangalore - 'Nanopolymers fatigue behaviour', 15-09-2015.

- **Dr. Pradeep Mohan**, Professor Dept of Mechanical Engineering, CIT Engineering Institute - 'Road Safety and Application of Non-linear FE Solvers to Improve Road Safety', 15-10-2015

- **Dr. Ramesh Pudale**, Mfgcnc Manager, AUTODESK- 'Hands on training -Product design & development on fusion 360', 20-10-2015.


- **K P Murthy**, Consultant, Robert Bosch India Limited - 'Sustainable Engineering and Clean technologies', 17-11-2015

Guest Lecture delivered by the department faculty

- **Dr. D. Ramesh Rao** - 'Advanced Mechanical vibration', Department of mechanical engineering, Sambham Institute of Technology, Bangalore, 02-11-2015.


- **Dr. V. B. Nasi** - 'Operation Care and Maintenance of Dairy processing plant', Dairy Science College, Hebbal, Bangalore, 10-07-2015.

- **Dr. Raji George** - 'Nanocomposites', FDP program on Advanced materials and nano technology for research engineering and healthcare organization, Shashik College of Engineering and Technology, Belagavi, 05-06-2015.

- **K. R. Phaneesh** - 'Advanced materials from Ancient india', FDP program on Advanced materials and nano technology for research engineering and healthcare organization, Shashik College of Engineering and Technology, Belagavi, 05-06-2015.

- **B. P. Harichandra** - 'Shikolas, a treasure house of knowledge', Indian institute of technology, Kharagpur, 01-11-2015.

Team Edithta, A group of multidisciplinary undergraduate students of M.S. Ramaiah Institute of Technology become the first Indian team to win the prestigious Student Unmanned Aerial System (SUAS) competition, 2015, in Maryland, USA. SUAS, organized by the Seafarer Chapter of the Association for Unmanned Vehicle Systems International (AUVSI), is the premier tactical UAV development competition in the world held in order to stimulate and foster interest in unmanned systems and technology careers. The team developed its own tactical UAV over the span of a year, which had real time search and rescue operational capabilities.

Team Ediththa placed 1st in Flight Mission Demonstration, 5th in the Technical Journal Paper and 4th place in the Flight Readiness Review presentation, thus clinching the winning title of the competition. The team went home with a cash prize of $6900 and winner’s Trophy.

The team comprised of Pawan S Rao, Sharath Nairy, Akash Muralidhar, Adarsh Joseph, Kamesh Krishnan, Deborshi Goswami of mechanical department, Saurabh Hindlekar, Indhu K, Sankha Karfa from Computer science department and PraneethaMalela from Telecommunication department. The team was mentored by department of mechanical engineering alumni Vishwanathan Ramanathan, Srinagav Sridharan and Vishnu B.N. while Dr. D. Ramesh Rao, Professor and Head, Department of Mechanical engineering, served as the faculty adviser of the team.
A three day workshop on “Mix Design of Neo-Concretes” was conducted by the department of Civil Engineering on 7th and 9th October 2015. The inauguration function was presided over by our beloved Principal Dr. N.V.R. Naidu and the Chief Guest was Mr. Sadanand Govilkar, Associate Vice President, RMC Ready Mix (India). The objective of the workshop was to create awareness about developments taking place in the domain of mix design of new generation concretes and to provide participants hands on experience in mix design of new concretes. Laboratory sessions and field visits were part of the workshop.

Publications in National / International Journals:


Mr. Nandeesh has participated and won first place in MAD-CAD event International Civil engineering Student’s symposium NIRMAN ICESS 2015 , BMS College of Engineering, Bangalore, 17th-18th October 2015.

Mr. Nandeesh has participated and won second place in DOC CON event at International Civil Engineering Student’s symposium NIRMAN ICESS 2015, BMS College of Engineering, Bangalore, 17th-18th October 2015.

Mr. Nandeesh has participated and won First place in Paper Presentation in National Level Students Technical Symposium SHELTER – 2015 at Siddaganga Institute of Technology, Tumkur on 3rd November 2015.

Mr. Ankush Jha has participated and won RUNNER UP of CUBE CASTING event in National Level Concrete Events at CONCRETE FAIR 2015 at R.V college of Engineering, Bengaluru, on 15th & 16th October 2015.
Mr. Amanath has participated and won RUNNER UP of GROUP DISCUSSION event in National Level Concrete Events at CONCRETE FAIR 2015 at R.V college of Engineering, Bengaluru, on 15th & 16th October 2015.

Mr. Pagadala Sai Koushik has participated and won second place in AMAZING RACE - CIVIL event at International Civil Engineering Student’s symposium NIRMAAN ICESS 2015 , BMS College of Engineering, Bangalore, 17th-18th October 2015.

Mr. Alok has participated and won second place in DOC CON event International Civil engineering Student’s symposium NIRMAAN ICESS 2015 , BMS College of Engineering, Bangalore, 17th-18th October 2015.

Mr. Akshy Biyani has participated and won RUNNER UP of TECHNICAL ESSAY event in National Level Concrete Events at CONCRETE FAIR 2015 at R.V college of Engineering, Bengaluru, on 15th & 16th October 2015.

Mr. Nikhil Jaju has participated and won second place in AMAZING RACE - CIVIL event International Civil engineering Student’s symposium NIRMAAN ICESS 2015 , BMS College of Engineering, Bangalore, 17th-18th October 2015.

Mr. Amit Kumar Chaubey has participated and won RUNNER UP of CUBE CASTING event in National Level Concrete Events at CONCRETE FAIR 2015 at R.V college of Engineering, Bengaluru, on 15th & 16th October 2015.

Mr. Dheeraj has participated and won first place in MAD-CAD event International Civil engineering Student’ s symposium NIRMAAN ICESS 2015 , BMS College of Engineering, Bangalore, 17th-18th October 2015.

Mr. Dheeraj has participated and won second place in DOC CON event International Civil engineering Student’s symposium NIRMAAN ICESS 2015 , BMS College of Engineering, Bangalore, 17th-18th October 2015.

Faculty who obtained Ph.D degree

Mr. Mourougane R., Assistant Professor, was awarded Ph.D degree for his work on ‘An Investigation on the Production, Mechanical Properties and Performance of Geopolymer Concrete’ by JNTU, Anantapur. He worked under the guidance of Dr. C G Puttappa, Professor, Dept. of Civil Engineering, MSRIT and Dr. C. Sashidhar Professor, Dept. of Civil Engg, J.N.T.University Anantapur.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

- Department of Electronics & Communication organized a workshop on ‘Analog & RF CMOS Circuit Design’ form 29th June - 4th July 2015. The focus of this workshop was on the design and implementation of CMOS circuits that form components of wireless devices. The first half of this workshop dealt with Analog CMOS circuit design. Lecture and hands on sessions helped the participants in design issues and implementation of basic Analog building blocks such as Op-Amps, PLLs, etc. Software tools such as Cadence and MATLAB was used in the hands-on sessions.

Workshop on Analog & RF CMOS Circuit Design

- Workshop on ‘A Practical Approach Towards Embedded System Design’ was conducted by the department from 27th July-1st August 2015. This workshop provided a comprehensive training on emerging embedded platforms such as ARM Cortex-M4, MSP430, RTOS, TIC6713 DSK and Zynq-7000 boards using Vivado tools. The entire design and development of the product prototype model could be accomplished with the help of knowledge of design which takes care of selection of processor, I/O sub systems, communication interface and the interconnection among them. The embedded firmware which deals with configuring the various sub systems, implementing data communication and processing/controlling algorithm requirements.

TI Innovation Challenge award by ABDUL KALAM on 12th June 2015 and NDTV Shooting

- One day Workshop was arranged for faculty of Dept of E&C, on technology in teaching and learning process on 15th July 2015. Dr. Om D. Deshmukh and team, Xerox Research Center, India, “Tutor Space: An e-learning Platform” handled the sessions of the workshop.
B.E First year Orientation held on 08th July 2015. Department technical Magazine “Tech Buzz”, an archive to spark your imagination was also released during this occasion.

Department organized International conference on ‘Wireless & Optical Communication Networks’ WOCN2015 the Twelfth conference in its series from 9th-11th September,2015. The conference aimed at stimulating technical exchange in the emerging and important field of Optical, mobile and wireless communications and networks. The scope of the conference included a wide range of technical challenges in view of the growing interest for wireless access to Internet and the evolution of third and fourth generation wireless and cellular systems included ITU IMT/UMTS.

12th International Conference on Wireless & Optical Communication Networks WOCN 2015.

Department conducted a One day workshop on ‘DSP from Concepts to Applications’ on 27th September,2015. The workshop was focused on training the students, faculties and industry expert who are working in the area of signal processing. The participants were from different engineering colleges of Karnataka and Andhra Pradesh, from Aeronautical Development Agency (ADA, Ministry of defense), Bangalore, working for the indigenous prestigious project TEJAS aircraft, Scientists from LRDE and ISRO and faculties from different engineering colleges.

One day workshop on DSP from Concepts to Applications (IETE,Bangalore Centre)

Industrial Visit

Department organized an industrial visit to MTRDC, Peenya, Bangalore and ISRO, Old Airport Road, for the 5th semester students on 7th October,2015.

5th sem students Industrial visit to MTRDC, Peenya, Bangalore and ISRO, Old Airport Road, on 7th Oct, 2015

IEEE MSRIT EC-“Mobile First Web App Development” workshop conducted by Mr. Tanay Pratap, from Tech Back. This event was organized by IEEE-MSRIT on 15th November, 2015. A hands on session was also conducted to help the students.

Publications in (International/National) Journals


NBA team Visit to the Department on 16th, 17th & 18th October 2015.


Publications in (International/National) Journals - Students:


Papers Presented in (International /National) Conferences:


Guest Lectures-Invited:


Sponsored Projects:

• Prof. C R Raghunath- Food Grain Characterization using RF Technique, Security Technology, Vision Group of Science & Technology, Govt. of India. Grant:60lakhs

• Anoop C Kulkarni, Rashitkeshwar Varna-Won Ist Prize in Texas Instruments Innovation Challenge India Design Contest 2015. Chairman’s Award worth $10,000 “FMCW Radar for 3-D Automotive imaging” held on 12th June 2015.

• Dr. S Sethu Selvi - MOKSHA Unmanned Ground Vehicle project selected for representing college in IGV 2015 held on 6-8th June 2015 at Oak land University, Michigan USA.

• Anoop C Kulkarni, Deepak R, Prasad NR, Mohammed Mittha, Abhishek V N, SriharikrishnaGM - MOKSHA Unmanned Ground Vehicle project selected for representing college in IGV 2015 held on 6-8th June 2015 at Oak land University, Michigan USA.

• Prof. M S Srinivas - Won Ist Prize in Texas Instruments Innovation Challenge India Design Contest 2015 Chairman’s award worth $10,000
DEPARTMENT OF CHEMICAL ENGINEERING

• Five day Faculty Development Programme under TEQIP II on ‘Applied Catalysis and Reaction Engineering’ was organized by the department from 13th - 17th July 2015. This programme was organized to specifically address the links between the rigour of reaction engineering and innovation of applied catalysis and was aimed at chemistry, bio-catalysis and chemical engineering communities. and bring together the research community in these important areas of science and engineering. Over 30 participants from different colleges in Karnataka registered and participated in the workshop. Experts from Research Institutes and academia were the resource persons. Dr. Channarayappa, Professor, Dr. Dhamodar, Associate Professor from Dept. of Biotechnology and Dept. of Biotechnology and Dr. Rajeswari Kulkarni, Sri Ramasivakiran Reddy and Smt V. Srawanthi from Dept. of Chemical Engineering delivered invited lectures in the FDP as in house resource persons. The programme was inaugurated by Dr. A.B. Halgeri, Director, Poornaprajna Institute as presided over by Dr. NVR Naidu, Principal, MSRIT Science and Technology, Bangalore and the function was presided over by Dr. NVR Naidu, Principal, MSRIT.

• The department organized a three days Faculty Development Programme on Case Studies in Aspen ONE from 22nd to 24th July, 2015 with the main objective of providing an insight to applying simulation software tools for optimization of chemical processes. The workshop dealt with various industrial and research based case studies in process simulation and optimization. Hands on session were conducted on (i) Tools for Flowsheet Simulation: Features of simulations tools widely used in process industry were discussed and case studies from industry were taken up (ii) Simulation of special cases in column design: Distillation using RADFRA column, sensitivity analysis and optimization were discussed (iii) Reactor simulation: Case studies on various types of chemical reactors were presented and (iv) Dynamic simulation: Case studies on dynamic simulation of processes were discussed with laboratory sessions. Resource persons from reputed industry and academia were invited to deliver lectures. Dr. Brijesh and Mr. Ramasivakiran Reddy of Dept of Chemical Engineering, MSRIT delivered lectures at the FDP program as in house resource persons.

• The department organized a Two Day Skill Development Workshop for Non Teaching Support Staff on ‘Operation and Maintenance of Lab Equipment Under TEQIP II’ from 20th – 21st July 2015. The main objective of the program was to train the lab instructors and technicians on various aspects of operation and maintenance of various laboratory equipments.

• The programme was attended by 26 Technical Support staff from different colleges all over the state of Karnataka. Dr. Archana, Professor and Head, Dr. Rajeswari M. Kulkarni, Sri Ravi Sadasivam, Sri. J. Koteswara Rao and Sri. S. Swaminathan, of Department of Chemical Engineering handled the sessions of Two Day Skill Development Workshop for Non Teaching Support staff.

Publications in (National/International) Journals:


Papers Presented( National/International) Conferences – Students

• Hezil Noronha, S Indraja, S Spoorthi ‘Use of Environmentally Bebign Catalyst for the study of Esterification of Acetic Acid and Iso-Butanal’, National Conference, CAPE – 2015, SASTRA University, IICHE Student Chapter, 9th to 10th October 2015. (The technical paper presented won First Prize in the best research paper presentation competition.)

• Hezil Noronha, S Indraja, S Spoorthi: Paper presentation at National Level Students Symposium on “Reactive Distillation for Solvent Production Using Green” CHEMEXCEL 2015 held at Bapuji Institute of Engineering and Technology, Davangere held on 30th September 2015. (The technical paper presented won First Prize in the best research paper presentation competition.)


• Hezil Noronha, S Indraja, S Spoorthi: Paper presentation in One day Convention on Assessment of the State of the art in Chemical Engineering Science held at JNTUA College of Engineering, Ananthapuram on 07th August 2015. Paper titled “Role of Heterogeneous Catalysts in Esterification”.

Guest Lectures-Invited

• Dr. Rekha B N, Scientist SABIC Research & Technology Pvt. Ltd – ‘Process Intensification of...
Aerobic Digestion’, 18th September 2015.

- Dr. S.L Narayana Murthy, Adjunct Professor, IIT, Ahmadabad - ‘Diverse application areas of Chemical Engineering”, 28th September 2015.

- Sri. V.V.N Ramakrishna, Technical Safety and Risk Engineer (Hydrocarbons) - ‘Risk and Safety aspects in process Industry’, 15th October 2015.

- Prof. Giridhar Madras (IISc, Bangalore) - ‘Catalysis for Energy and Environmental Applications’, 19th October 2015.


**Guest lecture delivered by the department faculty**

- Dr. G.M. Madhu - Delivered lecture on outcome based education in Indian scenario in a “A two day national level workshop on NBA Accreditation”, Madanapalle Institute of Technology and Science, Madanapalle, on 9th & 10th October 2015.


**Funded Project:**

- Dr. Archna - Biosorption of Heavy metals in a packed bed column using dried flower waste; KSCST. Grant: 5000/-

- Dr. G M Madhu - Design of submerged ceramic membrane bioreactor for wastewater treatment, Institution of Engineers, India; 25,000/-

- Dr. G.M. Madhu - Design of submerged ceramic membrane bioreactor for treatment of industrial/domestic/municipal wastewater; KSCST. Grant: 5000/-

- Dr. Brijesh - Biodiesel production by reactive distillation; IICHE. Grant: 5000/-

- Dr. Rajeswari M Kulkarni - Biosorption of lead and nickel ions using sugarcane bagasse: Batch and Column study; MSRITAA. Grant: 7000/-

- Smt. V. Sranvathi - Catalysis by Heteropoly Acid in Liquid Phase Reactions; IICHE. Grant: 5000/-

- Smt. V. Sranvathi - Kinetic Study of Esterification of Acetic Acid with iso-Butanol Catalysed by Green Catalyst in batch reactor and reactive distillation column; MSRITAA. Grant: 6000/-

**Achievements - Faculty**

- Kaiser Sheikh won First prize in Best Physique competition held at VTU Inter Collegiate Inter Zone Tournaments.

- Vandana Reddy winner of the Avery Dennison Foundation (INVENT) Scholarship programme 2014-15 ($1,300).


**DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT**

- Department of IEM organized a 3 days Faculty Development Programme on ‘Intelligent Manufacturing System’ from 3rd to 5th June 2015 with the objective of imparting the knowledge of modern methods adopted in the industry to the faculty and research scholars. The programme was inaugurated by Mr. Harish Pant, M.D, Hampson Aerospace Ltd., Bengaluru. During his keynote address he gave an elaborate talk on various innovative technologies employed to create and manufacture products. Mr. Ravi, Design Head, Bosch Ltd, Bengaluru, Prof. P Achutha Rao, Former R & D Head, NID, Bengaluru, Dr. Gnanamurthy, Professor, MSR University and Dr. G S Prakash, Prof. & Head, IEM, MSRIT delivered useful technical talks to the participants during the 3ays FDP introduced SQC and Robust Design to the participants.

- As part of the FDP two industrial visits to VOLVO Construction Equipments and CMTI, Bengaluru were organized. In this visit the participants were exposed to recent manufacturing practices.

- They witnessed the micromachining process using laser, DMD technique, stereo lithography technique. Overall the outcome of the program is that participants were enlightened with enhanced scope for research activities, the current industry scenario in the area of artificial intelligent.

- Three days Faculty Development Programme on ‘Development of Simulation Models for effective decision making – A practical approach’

- Department organized a One day training programme on ‘Advanced Measuring Instruments used in Manufacturing Industries’ for technical supporting staff on 16th July 2015. The main objective of the program was to update and train the staff in using sophisticated instruments like Coordinate measuring machine, Computer integrated profile projector, Surface measurement systems and other technologically advanced measurement systems. Also to bridge the gap between conventional measurement system and advanced measurement concepts which are extensively used in today’s industrial application. Sri Omikar Upadhay, managing partner, CIMTRIX Systems Pvt. Ltd., introduced to latest measuring methods using computerized CNC measuring machines, laser techniques in measuring instruments and cloud point metrology technique in image generation for measurement. The participants were given training in lab and allowed to operate CNC CMM, surface roughness tester etc. Overall, the outcome of the program created platform for sharing knowledge among technical staff and industrial personnel. To be acquainted with latest measuring methods and equipment and improved technical learning process.
Sri. A. Balakrishna & Mr. C. Manohar – ‘Defect analysis on cast wheel by six sigma methodology to reduce defects and improve the productivity in wheel production plant’, International Research Journal of Engineering & Technology (IRJET), Vol.2, Issue: 01, Pg:659 – 1663, January 2015, e-ISSN: 2395-0056, p-ISSN: 2395-0072


Dr. C.S. ChethanKumar & Dr. N.V.R. Naidu – ‘Productivity enhancement of fruit processing supply chain network using decision models’, MSR Journal of Engineering & Technology Research, Vol No.1, 2015.Pg.No:14 to 21


Dr. R. Shobha, Dr. C. Siddaraju, Mr. Chirantha, B.P & Mr. Poornesh. K – ‘Equal Channel Angular Pressing of Aluminium 6% wt Titanium Boride Composite’, International Journal of American Journal of Materials Science (DO), 10.5923/c. materials.201502.16, 2015, 5(2); 77-80


Publications in (International / National ) Journals


Department of Computer Science and Engineering

The department conducted the two week faculty development programme on “Foundations for Innovation in Cyber Physical Systems” during 20th to 31st July 2015 under TEQIP-II. Various academicians, industry experts, in-house experts, staff members, UG and PG students were participate in this programme.

Hands-on sessions on SAP HANA were conducted during 15th to 17th July 2015 under TEQIP II. Industry experts from SAP as resource persons conducted the sessions. Staff members and students attended the event.

Workshop on “Machine Learning and its Applications” was held during 13th to 17th July 2015 under TEQIP II. Various academicians, industry experts, in-house experts, staff members, UG and PG students were participate in this programme.

Funded Projects

- Dr. N.V.R. Naidu & Dr. C.S. Chethan Kumar – ‘Mathematical Models in the design and optimization of perishable goods supply chain with an emphasis on fruits and vegetables’, DST(On going), 2010. Grants : Rs. 10.7 lakhs.


Guest Lecture/s – Invited


- Dr. N.V.R. Naidu & C.S. Chethan Kumar – ‘Impact of Training and Development post on employee performance in the contextualized lean manufacturing settings’, IJER (under review)
Publications in (National/International) Journals:


- Jagadish S Kallimani, Associate Professor, was awarded PhD degree for his work on ‘Development of Feature Extraction Algorithms for Information Extraction and Text to Speech Synthesis in Indian Regional Languages’ from JNTUK, Kakinada, Andhra Pradesh, India. He worked under the guidance of Dr. K G Srinivasa, Prof and Head, Dept of CSE, MSRIT as supervisor and Dr. B Eswara Reddy, Prof and Vice-principal, JNTUA College of Engineering, Ananthapur as co-supervisor.

Funded Project:
Project Title: Design and Development of Assistive Internet of Things (IoT) Framework for Physically Challenged People

- Funding Agency: SERC Fast Track Proposals for Young Scientists Scheme, DST
- Duration: 3 Years (June 2013 – June 2016)
- Grant Amount: 24,00,000/-

Achievements - Faculty

- Parkavi A participated in distinguished facilitator event contest in Inspire faculty excellence awards 2015 conducted by Infosys, Campus Connect on 26th June 2015.

- Sowmya Rani C N has been filed for patent with complete specification ‘anonymity for privacy preserving data publishing’ CBR No. 10740, Reference number E-2/1574/2015-OHE, Application number 2696/OHE/2015.

- Sowmya Rani C N has been the reviewer for International Journal of Information Security and Privacy-USJIP, IGI Global, Indexed in ACM digital library and Scopus.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Department of E&I organized a Three Days Workshop on ‘Soft computing and its applications in engineering’ Under TEQIP (Phase-II) from 10th – 12th August 2015 with the objective of providing a platform for the academicians and industrial communities with a view to explore the soft computing methodologies for engineering applications. Soft Computing Techniques have been recognized as attractive alternate to standard hard computing paradigms. Dr. Susheela, Professor, IISC, Bangalore, Dr. Rao, Former Scientist, NAL, Bangalore, Dr. Meenakshi, HOD, Dept. EIE, AIT, Bangalore, Dr. A.V Patel, Scientist, ADA, Bangalore and Dr. I. Thirunavukkarasu, Associate Professor, Dept of Instrumentation and Control Engg, Manipal University were invited to deliver lectures during the workshop.

Achievements - Students


Papers presented in (International/National) Conferences


Achievements - Students

- Tanush Chowdhury and Vasant Menon of Seventh semester have won II place in Tech Quiz colossus held at Brindavan college in the month of Aug 2015.

- Tanush Chowdhury and Vasant Menon of Seventh semester has won I place in INFINUM held at BMIST in the month of October 2015.
Vo"ISE" Tech Series Session – 1

The inauguration of the “VoISE-Tech Series” and the first Interactive session were held on 6th November 2015, at the Apple Lab, Multipurpose Block, MSRIT in the presence of Mr. Deepak Vinchhi, Co-Founder, Julia Computing Inc., Dr. B. P. Vijaya Kumar, HOD, ISE Department, staff and students.

Mr. Deepak Vinchhi gave a talk on “Future of Numerical Computing & Data Science” and the challenges faced by technologists in the present day world. He highlighted on “Software Driven Disruptions” citing the examples of Facebook, Uber, Amazon, WhatsApp, Airbnb, etc., and how they made an impact in the daily life. He also talked about the Vision of GE – Brilliant Machines, Design Automation, and Factory Automation. He stressed on “Software Driven Everything” driving Design, IOT and mathematical concepts rather than by profits. He shared his experience while doing his master’s program in his eXperience while doing his master's program in and then go for it by applying fundamental engineering principles and mathematical concepts rather than relying on age old conventions and thumb rules.

The session was highly interactive and questions were raised by students as well as by the faculty.

Vo"ISE" Tech Series Session – 2

The “VoISE-Tech Series - II” Interactive session was held on 7th November 2015, at the LHC Seminar Hall II, MSRIT in the presence of Mr. Rohan M Parikh, Ex-Vice President, Infosys, Dr. B. P. Vijaya Kumar, HOD, ISE Department, staff and students.

Mr. Rohan Parikh gave a talk on “Smart Sustainable Buildings” and the challenges faced by designers of energy efficient buildings. He highlighted the fact that the design and maintenance of such buildings were powered by Data Driven Technology and sustained by profits. He shared his experience with Infosys and how he went after a target of designing their buildings with 50% cut in energy usage. He urged the audience to set unrealistic goals and then go for it by applying fundamental scientific and mathematical concepts rather than relying on age old conventions and thumb rules.

The session was highly interactive and questions were raised by students as well as by the faculty.

Vo"ISE" Tech Series Session – 3

The “VoISE-Tech Series - III” Interactive session was held on 20th November 2015, 2.00 pm, at the LHC Seminar Hall II, MSRIT in the presence of Mr. Hemanshu N Desai, CEO, New India Electricals Ltd., Dr. B. P. Vijaya Kumar, HOD, ISE Department, staff and students.

Mr. Hemanshu Desai, an MSRIT alumnus, gave a talk on “Half-Full Glass – Positive Thinking”. He highlighted the four different types of thoughts – Positive, Negative, Neutral, and Waste. He shared his experience while doing his master’s program in US and how his positive approach to situations helped him to be successful. He urged the audience to concentrate on positive thoughts, and how to overcome negative and waste thoughts, with real life examples.

Vo"ISE" Tech Series Session – 4

The “VoISE-Tech Series - IV” Interactive session was held on 27th November 2015, at the DES Seminar Hall, MSRIT with Mr. Gautam B. Doshi, Senior Principal Engineer, Innovation and Development Team for India, Intel.

Mr. Gautam Doshi gave a talk on “Putting Computing to work... for India”. He talked about the demographic dividend, growing skill gap and the challenges and opportunities in Computing for Skilling. He highlighted the opportunities in the area of Virtual Reality and Augmented Reality.

He also mentioned about the Karnataka Tech Training Institute which deals with Virtual Weld, Virtual Paint, Virtual Reality Scenarios, and VR Prosthetic Training.

Mr. Deepak Vinchhi interacting with students of ISE

Mr. Hemanshu Desai delivering a lecture on positive thinking

Mr. Rohan Parikh addressing ISE Staff and Students

Mr. Gautam Doshi giving a talk on putting computing to work...for India

Dr. Vijaya Kumar B P, Head, Department of ISE felicitating Mr. Gautam B. Doshi, Senior Principal Engineer, Innovation and Development Team for India, Intel

Industry Institute Collaboration:

- 5th semester BE students of ISE department are involved in the Open Source project “CoprHD” initiated by EMC, mentored by EMC personnel, and guided by ISE faculty member Prof. George Philip. The project commenced on November 5, 2015 with the first “EMC CoprHD India Developer Summit” held at the EMC office. Weekly reviews with visit of EMC mentor to the department lab and/or visit of the guide and students to EMC office are happening.

Publications in (International/National) Journals


Papers presented in (International / National) Conferences


Book Chapters
Dr. Vijaya Kumar B P


Siddesh G M


- Cyber Physical Systems - A Computational Perspective, CRC press, Taylor & Francis Group, LLC, Florida, USA

DEPARTMENT OF MEDICAL ELECTRONICS

- Two days Hands on Training Programme on Aurdino Open source prototype platform was conducted by Mr. Prashanth Pai, Graduate Intern, CSIR – NAL Bangalore, Doing MSc in Embedded Systems and Control, University of LEICESTER, UK on 28/09/2015 & 29/09/2015.

- The IEEE EMB Bangalore Chapter in association with IEEE EMB MSRIT student chapter has organized three days foundation Course on IMAGE PROCESSING Concepts to REALTIME Processing. The Speakers were Dr Kumar Rajamani (Architect at Robert Bosch Engineering and Business Solutions Ltd) and Mr. Vijaya Saradhi Gannavaram (Manager - Data Scientist at Symphony Teleca) Bangalore on 09/10/2015 to 11/10/2015.

- Philips conducted one day workshop on PRODUCT DESIGN for prefinal and final year students on 13/10/2015.
Publications in (International / National) Journals


Publications in (International / National) Journals -Students


Papers Presented in (International / National) Conferences


Guest Lecture delivered by the department faculty

- Dr N Sriraam – ‘Wearable Physiological Monitoring and Affordable Healthcare : A Prospective Study on Rural India’,International Workshop on Challenges and Opportunities in Bioengineering and Biomedical Devices and Platforms, as a part of Indian Technology Congress, ITC-2015, held at NIMHANS Convention Center, Bangalore 29-07-2015.

Funded Project

- Dr N Sriraam & Dr Prakash Sathyanarayana – ‘Design and Development of wearable Cardiac Loop Recorder with WBAN for Civilian and Military Applications’, Submitted to Department of Biotechnology (DBT), Grant: 50 lakhs.

Achievements - Faculty

- Dr N Sriraam - Received the ‘Best Reviewer Award’ from Elsevier Journal of Computers and Electrical Engineering, June-2015.

Achievements - Students:


The aim of this workshop was to provide both theoretical and hands-on experience on Embedded-System which uses MSP430 as well as give awareness about the new applications which can be developed using it.

Publications in (International / National) Journals


• Dr.K.Natarajan – ‘An IoT based 6LOWPAN enabled system for monitoring water quality and consumption’, proceedings of Asia Pacific Advanced Network research workshop Aug.2015, Malaysia.


Publications in (International / National) Journals - Students


Papers presented in (International / National) Conferences


• B.K.Sujatha – ‘Protection of Electronics Health Indicators for the workshop’. conducted a five day Faculty Development Programme (FDP) - Technical workshop on “Drug Discovery and Development Strategies” under TEQIP –II (Technical Education Quality Improvement Program) from 20 – 24 July 2015 for the benefit of faculty and research scholars of TEQIP institutes and other institutes under VTU. This workshop was aimed at bringing together researchers and scientists from academia and industry to share their expertise in exploring the applications of drug discovery and development Strategies in biotechnology. Eminent scientists and academicians from Biocon BMS R&D Center (BBRC), Syngene International Ltd., Connexious Lifesciences, Indian Institute of Science, Central Research Labs SMRMC, MSRIT, Alkem Laboratories Ltd., Bangalore and Central Food Technological Research Institute, Mysore, UBDT college of Engineering, Davangere and Kuvempu University, Shankaraghatta shared their expertise. Participants had hands on training during the practical lab sessions. The participants were taken for an industrial visit to Skanda Life sciences Pvt. Ltd., Nagarbhavi, Bangalore. Dr. P. Dhanmohar & Dr. Y S Ravikumar were the coordinators for the workshop.


The Department of Biotechnology, MSRIT, conducted a five day Faculty Development Programme (FDP) - Technical workshop on “Drug Discovery and Development Strategies” under TEQIP –II (Technical Education Quality Improvement Program) from 20 – 24 July 2015 for the benefit of faculty and research scholars of TEQIP institutes and other institutes under VTU. This workshop was aimed at bringing together researchers and scientists from academia and industry to share their expertise in exploring the applications of drug discovery and development Strategies in biotechnology. Eminent scientists and academicians from Biocon BMS R&D Center (BBRC), Syngene International Ltd., Connexious Lifesciences, Indian Institute of Science, Central Research Labs SMRMC, MSRIT, Alkem Laboratories Ltd., Bangalore and Central Food Technological Research Institute, Mysore, UBDT college of Engineering, Davangere and Kuvempu University, Shankaraghatta shared their expertise. Participants had hands on training during the practical lab sessions. The participants were taken for an industrial visit to Skanda Life sciences Pvt. Ltd., Nagarbhavi, Bangalore. Dr. P. Dhanmohar & Dr. Y S Ravikumar were the coordinators for the workshop.
Faculty Development Programme - Technical workshop on “Drug Discovery and Development Strategies”

- The department held its annual ‘Alumni Meet-2015’ on 19th September 2015 in the department. This meet focused on guidance talks by Alumni for the students.

Publications in (International/National) Journals


Papers presented in (International/National) Conferences


- Dr. S. Bindu, Scientific Committee member, International Conference on Bioengineering & Biotechnology (ICBB’15), Barcelona, Spain - July 15-17, 2015.

- Dr. Channarayappa has been felicitated by the Global Indian achievers award by ELS (International Education Pathway Pvt Ltd, Chennai) on 22nd Nov 2015 at the Capitol Hotel, Rajbhavan Road, Bangalore.

- Dr. Sravanti V, has been nominated as the member of the Editorial Board of the journal "International Journal of Advanced Research in Engineering Technology and Sciences".

Achievements - Students

- Ms. Aishwarya Raghuraman (5th semester), Ms. Snigdha N Rao (7th semester) and Ms. S. Keerthana (7th semester) were selected for the prestigious Indian Academy of Sciences (INSA) summer research fellowship program.

- Ms. Anisha Prasad, fifth semester student has successfully completed Bioengineering Summer Training (BEST) programme 2015, at Indian Institute of Science.

SCHOOL OF ARCHITECTURE

Papers presented in (International/National) Conferences-Students

- Ashwini R Ram, K Sukun, Mohammed Faisal – "Sustainable Cities in on Heritage Cities", University School of Design, University of Mysore.


- Anuja Mallai – ‘Smart Cities : Future rooted in the past’ in on ‘Heritage Cities’, University School of Design, University of Mysore.

Guest Lectures – Invited:

Achievements, Awards/Prizes-Students:

- Ms. Aishwarya Anil Kumar – Won First prize and Cash award of Rs. 25,000 at the edition of the International Design Workshop, “Heritage and new design, Architectural Design approach”. Concept generation and Realization Competition held from 17th – 28th October 2015 at Scuola di Architettura Civile – Politecnico di Milano, Italy.

- Ms. Anjali Srikantyengar - Invited to perform in the United States of America along with her guru Dr. Sanjay Shantanam and group for North American World Summit held at Raleigh Convention Centre, Raleigh, North California, USA and also a part of renowned guru Asha Gopal’s magic in movement in Phoenix, Arizona, USA during 1st September 2015 & 15th September 2015.

DEPARTMENT OF CHEMISTRY

- In association with Luminescence Society of India: Karnataka Chapter (LSIKC) Department of Chemistry conducted a Special talk on Raman Spectroscopy by Dr. U. Mahaboob Pasha, Research Consultant, CTeCH, Bangalore, 9-8-2015.

- In association with Luminescence Society of India: Karnataka Chapter (LSIKC) Department of Chemistry conducted a Special talk on ‘SILAR method for preparation of thin films’ by Dr. Chandramohan, Sree Sevugan Annamalai College, Devakottai, Tamil Nadu, 4-10-2015.


- Dr G Neeraja & Dr. Dinesh P A – ‘Two phase model of blood flow by inserting a catheter under the influence of external forces’, VTU (on going) Belagavi

Funded Projects

- Dr N V R Naidu Principal Siddheshwar, Professor, Department of Mathematics, Bangalore university, Bangalore.Dr N V R Naidu Principal presided over the function in his presidential address emphasized the need of interdisciplinary collaborative work between Mathematics and Engineering Departments. Over 60 participants registered and participated in the FDP. Eminent resource persons from CSIR-4PI, Bangalore University, TIFR Bangalore delivered useful lectures during the FDP. Participants interacted with the speakers and appreciated the initiative taken by the department in organizing such an important Faculty Development Programme on Mathematical Modelling.

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- The FDP was inaugurated by Dr.T.R.Ramamohan,Chief Scientist, CSIR-4PI,Bangalore and Dr. Pradeep G Siddheshwar, Professor, Department of Mathematics, Bangalore university, Bangalore.Dr N V R Naidu Principal presided over the function in his presidential address emphasized the need of interdisciplinary collaborative work between Mathematics and Engineering Departments. Over 60 participants registered and participated in the FDP. Eminent resource persons from CSIR-4PI, Bangalore University, TIFR Bangalore delivered useful lectures during the FDP. Participants interacted with the speakers and appreciated the initiative taken by the department in organizing such an important Faculty Development Programme on Mathematical Modelling.


Publications in (International/National) Journals


Funded Projects

- Dr G Neeraja & Dr. Dinesh P A – ‘Two phase model of blood flow by inserting a catheter under the influence of external forces’, VTU (on going) Belagavi

Grant: Rs.1 lakh

DEPARTMENT OF MATHEMATICS

- Department of Mathematics organized a Three days Faculty Development Programme on ‘Applied Mathematical Modelling’ from 13th – 15th July, 2015 with the main objective of imparting knowledge of basic concepts of Mathematical Modelling in engineering to the faculty and research scholars.

- The FDP was inaugurated by Dr.T.R.Ramamohan,Chief Scientist, CSIR-4PI,Bangalore and Dr. Pradeep G Siddheshwar, Professor, Department of Mathematics, Bangalore university, Bangalore. Dr N V R Naidu Principal presided over the function in his presidential address emphasized the need of interdisciplinary collaborative work between Mathematics and Engineering Departments. Over 60 participants registered and participated in the FDP. Eminent resource persons from CSIR-4PI, Bangalore University, TIFR Bangalore delivered useful lectures during the FDP. Participants interacted with the speakers and appreciated the initiative taken by the department in organizing such an important Faculty Development Programme on Mathematical Modelling.

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Special invited talk by Dr. M V Venkatashamy Reddy, Department of Material Science and Engineering National University, Sagarpur, on the topic ‘Preparation, characterization of Metal oxides, nitrides and its electrochemical properties’, 30-11-2015

Special invited talk by Dr. M V Venkatashamy Reddy

Kannada Rajyotsava celebrations

• Special invited talk by Dr. M V Venkatashamy Reddy, Department of Material Science and Engineering National University, Sagarpur, on the topic ‘Preparation, characterization of Metal oxides, nitrides and its electrochemical properties’, 30-11-2015

Publications in (International and National) Journals


Papers presented in (International and National) conferences


• The following 5 research papers (in Kannada) were presented by LSIKC members at 11th Kannada Vijnana Sammelana held at Raichuru, 13-15 September , 2015

– "ಕೊಳಿತುದಿನ ಮೂಳದ ಸಮಯ ಹಿಂದಿನ ಒಡೆಯಣ"

– "ಕೊಳಿತುದಿನ ಮೂಳದ ಒಡೆಯಣ"

– "ಕೊಳಿತುದಿನ ಒಡೆಯಣ"

– "ಕೊಳಿತುದಿನ ಒಡೆಯಣ"

– "ಕೊಳಿತುದಿನ ಒಡೆಯಣ"

Guest Lectures – Delivered by Department Faculty


• B. M. Nagabhushana – ‘Inaugurated Science and Art Exhibition ‘Curiosity – Mother of All Invention’ and interacted with students and staff. B. G. National Public High School, Jakkuru layout, Bangalore, 01-10-2015.

• B. M. Nagabhushana – ‘Chemistry of nanomaterials’, special talk at SIBIT, Bangalore 31-10-2015.

Publications in (International/National) Journals


DEPARTMENT OF PHYSICS

Guest Lectures – Delivered by Department Faculty


• The following 5 research papers (in Kannada) were presented by LSIKC members at 11th Kannada Vijnana Sammelana held at Raichuru, 13-15 September , 2015

– "ಕೊಳಿತುದಿನ ಮೂಳದ ಸಮಯ ಹಿಂದಿನ ಒಡೆಯಣ"

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– "ಕೊಳಿತುದಿನ ಒಡೆಯಣ"

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Publications in (International/National) Journals


DEPARTMENT OF PHYSICS
Organized by DEPARTMENT OF MCA


Project Management workshop with Japanese Corporation (SCSK)

- A project competition for final semester project students was conducted on 10th July 2015. 25 final year projects were shortlisted by the committee constituted by the HoD. All the 25 students presented the projects and three prizes were awarded. Project competition for final year students

Guest Lecture Invited

- Mr. Jagdish S M, Alumnus of the department, organized by Techno IVEs the students club of MCA - ‘A technical talk on Android App Development’, 5-9 2015.
- Mr. Satish V J, organized by Techno IVEs the students club of MCA - ‘Hands-on workshop on GIT & GITHUB [Version Control]’, - 10-10-2015.
- Mr. Ashish Gupta, Alumnus of the department, organized by Techno IVEs the students club of MCA - ‘A technical talk on – Basics of Django Frameworks’

Achievements – Faculty

- Dr. Manish Kumar was elected as Computer Society of India (CSI) - Regional Student Coordinator (Region V) for the year 2015-16. He is in-charge for the student activities in Andhra Pradesh, Telangana and Karnataka states CSI student chapters.
• Dr. B. Thyagaraj, Proactive Trainers & Consultants - “How to write successful resume and How to face interview”, 15-10-2015.

• Mr. Sridhar Murthy, Regional Officer, Vijaya Bank – “Job Opportunities in Banking Sector”, 15-10-2015.

• Mr. Hisashi Takayama, Assistant H.R. Manager, SCSK Corporation – “Indo Japanese Interaction”, 14-10-2015.


Achievements - Students

• Abhilash.P.A (1MS14MBA01) participated in the National Level Seminar on “Anatomy of Financial Planning” at Jyoti Nivas College Autonomous, Post Graduate Centre on 01-09-2015.

• Bonvin D’Souza (1MS14MBA18) participated in the National Level Seminar on “Anatomy of Financial Planning” at Jyoti Nivas College Autonomous, Post Graduate Centre on 01-09-2015

LIBRARY AND INFORMATION CENTRE

The MSRIT Library a centralized Air Conditioned fully automated library predominantly supports research and teaching in all of the fields of engineering and Management at the undergraduate and graduate level. The collection comprises of more than one lakh books. Library subscribes to leading National / International e-Resources pertaining to Engineering & Management, which include Elsevier – Science Direct, Springer e-Journals and e-Books, Taylor & Francis e-Journals and e-Books, Proquest e-Journals (Science & Technology), Proquest e-Journals (Management), IEEE, Knimbus Digital Library and Knimbus Remote Access Solution ( ) which facilitates users to access the all subscribed e-Resources at off campus through their Desktops, Laptops and Mobiles. Digital Library having 143 Personal Computers with a higher bandwidth speed of 100 mbps. Library caters to the user needs by becoming a member of the following Institutions of National importance.

DELNET
BRITISH COUNCIL LIBRARY
INDIAN INSTITUTE OF MANAGEMENT
CMTI, BANGALORE

Recent developments in enhancing user Services:

• On user demand, Library subscribes to e-Resources such as Elsevier – Science Direct, Proquest e-Journals (Science & Technology, Management) through VTU Consortium for the year 2016.

Useful MSRIT Library Links:

LIBRARY WEBSITE: http://www.msrit.edu/library/
REMOTE ACCESS : http://www.knimbus.com/user/auth.do
E-RESOURCES: http://www.msrit.edu/msrit-e-resources/
WEBOPAC:http://172.1.20.20:8080/jpacs/gwt/GwtOPAC/GwtOPAC.html
INSTITUTIONAL REPOSITORY: Dspace IR (Q.Papers, Research Articles etc.): http://172.1.20.21:8080/jpacs/GwtOPAC/GwtOPAC.html
E-LEARNING (NPTEL): http://172.1.20.9/localguru2

DEPARTMENT OF SPORTS

• Department of sports organized annual 18th Dr. M S Ramaiah Memorial Inter Collegiate Cricket Tournament held from 1st to 11th Sept. 2015. Sri S M Acharya, Chief Executive, GEF inaugurated the tournament. Sri G Ramachandra, Chief of Finance, GEF, Dr. NVR Naidu, Principal MSRIT, Sri Ramesh Naik S, Registrar(administration), Dr B P Vijaya Kumar, Sports secretary and H K Kiran Kumar, Director of Physical education, MSRIT were present on the occasion.

Inauguration of annual 18th Dr. M S Ramaiah Memorial Inter Collegiate Cricket Tournament.

MSRIT Team Secured Winners Trophy in the 18th Dr. M S Ramaiah Memorial Inter Collegiate Cricket Tournament for the 14th time.

• Department of sports organized annual 10th Dr. M S Ramaiah Memorial Inter Collegiate Basket ball Tournament held from 3rd to 6th Oct. 2015. Sri S M Acharya, Chief Executive, GEF inaugurated the tournament. Sri G Ramachandra, Chief of Finance, GEF, Dr. NVR Naidu, Principal MSRIT, Sri Ramesh Naik S, Registrar(administration), Dr B P Vijaya Kumar, Sports secretary and H K Kiran Kumar, Director of Physical education, MSRIT were present on the occasion. Both Men and Women Basket ball teams MSRIT emerged as winners of the tournament. Sri M R Seetharam, Director MSRIT, distributed prizes to all the winning teams of the tournament.
VTU Achievements:

BADMINTON WOMEN TEAM
- Secured Winners Trophy in VTU Bangalore Central Zone Inter Collegiate Tournament organized by our BNMIT held on 23rd & 24th August 2015 and qualified for Inter Zone Tournament.
- Secured Winners Trophy in VTU Inter Zone Tournament organized by CMRIT, NITTE held from 26th to 28th Aug 2015.

BADMINTON MEN TEAM:
- Secured Runners up Trophy in VTU Bangalore Central Zone Inter Collegiate Tournament organized by CMRIT held on 7th & 8th Sept. 2015 and qualified for Inter Zone Tournament.
- Secured 1st Runners up Trophy in VTU Inter Zone Tournament organized by CMRIT held on 26th to 28th Aug 2015.

CHESS WOMEN TEAM:
- Secured Winners Trophy in VTU Bangalore Zone Inter Collegiate Tournament organized by HKBK CET held on 30th & 31st Aug 2015 and qualified for Inter Zone Tournament.
- Secured Winners Trophy in VTU Inter Zone Tournament organized by SJMIT, Chitradurga held from 2nd to 4th Sept. 2015.

CHESS MEN TEAM:
- Secured Runners up Trophy in VTU Bangalore Zone Inter Collegiate Tournament organized by HKBK CET held on 30th & 31st Aug 2015 and qualified for Inter Zone Tournament.
- Secured Winners Trophy in VTU Inter Zone Tournament organized by SJMIT, Chitradurga held from 2nd to 4th Sept. 2015.

TABLE TENNIS MEN TEAM:
- Secured Winners Trophy in VTU Bangalore Central Zone Inter Collegiate Tournament organized by CMRIT held on 7th & 8th Sept. 2015 and qualified for Inter Zone Tournament.

TABLE TENNIS WOMEN TEAM:
- Secured Second Runner up Trophy in VTU Bangalore Central Zone Inter Collegiate Tournament organized by CMRIT held on 7th & 8th Sept. 2015.

SWIMMING MEN & WOMEN TEAMS:
- Secured 5-Silver Medal and 3-Bronze Medal in VTU Single Zone Inter Collegiate Swimming Competition organized by BMSCE held on 23rd & 24th Sept. 2015.
- Women team secured 3rd Position and Men team secured 4th Position in the team championship.
- Meghana Sreevatsa student of V Sem EIE Secured 2 – Silver Medal and 1 – Bronze Medal in All India Inter University Swimming Competition held from 20th to 25th Oct. 2015 in Punjab University, Chandigarh.

THROWBALL WOMEN TEAM:
- Secured Winners Trophy in VTU Bangalore Central Zone Inter Collegiate Tournament organized by CMRIT held on 7th & 8th Sept. 2015 and qualified for Inter Zone Tournament.
- Secured First Runners up Trophy in VTU Inter Zone Tournament organized by GSSSIETW, Mysore held on 13th & 14th Oct. 2015.

JUDO & WRESTLING MEN TEAM:
- Secured 2 – Silver Medal and 1 – Bronze Medal in Judo & 3 – Bronze Medal in Wrestling in VTU Single Zone Inter Collegiate Competition organized by MVICE held on 19th & 20th Oct. 2015.

JUDO & WRESTLING WOMEN TEAM:
- Secured 2 – Silver Medal and 1 – Bronze Medal in All India Inter University Wrestling Competition held from 23rd to 25th Aug. 2015 in Dr. M. S. Ramaiah Medical College, Bangalore.

THROWBALL MEN TEAM:
- Secured Winners Trophy in VTU Bangalore Central Zone Inter Collegiate Tournament organized by CMRIT held on 7th & 8th Sept. 2015 and qualified for Inter Zone Tournament.
- Secured First Runners up Trophy in VTU Inter Zone Tournament organized by SJMIT, Chitradurga held on 13th & 14th Oct. 2015.

BEST PHYSIQUE MEN TEAM:
- Secured 1 – Gold Medal and 1 – Bronze Medal and Secured 4th Position in VTU Single Zone Inter Collegiate Competition organized by GAT held on 29th & 30th Oct. 2015. Men team secured 4th Position in the team champions.

Other Invitational Inter Collegiate Achievements:

TABLE TENNIS MEN TEAM:
- Secured Winners Trophy in St. John Inter Collegiate Tournament organized by St. John Medical College held on 7th & 8th Aug. 2015.
- Secured Winners Trophy in Inter University Swimming Competition organized by M S Ramaiah Medical College held on 5th to 12th Oct. 2015.
- Secured Winners Trophy in Inter Collegiate Tournament organized by Bangalore Medical College held on 20th Oct. 2015.

CRICKET TEAM:
- Secured Winners Trophy in 18th Dr. M S Ramaiah Memorial Inter Collegiate Cricket Tournament held from 1st to 11th Sept. 2015.

TENNIS WOMEN TEAM:
- Secured Winners Trophy in BMSCE “KREEDOTHSAV-15” Inter Collegiate Tournament held from 1st to 3rd Oct. 2015.
- Nikitha Teklar of III Sem Civil Secured Winners Trophy and Anukha A Chhaabria of I Sem BT Secured Runners Trophy in Singles in M S Ramaiah Medical College “PROMETHEUS-15” Inter Collegiate Tournament held from 5th to 12th Oct. 2015.
- Secured Runners Trophy in RVCE “MOMENTUM-15” Inter Collegiate Tournament held from 15th to 18th Oct. 2015.

TENNIS MEN TEAM:
- Piyush Trivedhi of V Sem Civil Secured Winners Trophy in Singles & Doubles in M S Ramaiah Medical College “PROMETHEUS-15” Inter Collegiate Tournament held from 5th to 12th Oct. 2015.
- N Sai Nikhil of III Sem Civil Secured Winners Trophy in Doubles in M S Ramaiah Medical College “PROMETHEUS-15” Inter Collegiate Tournament held from 5th to 12th Oct. 2015.
CHESS WOMEN TEAM:
- Secured Winners Trophy in BMSCE “KREEDOTHSAV-15” Inter Collegiate Tournament held from 1st to 3rd Oct. 2015.

THROW BALL WOMEN TEAM:
- Secured Runners Trophy in BMSCE “KREEDOTHSAV-15” Inter Collegiate Tournament held from 1st to 3rd Oct. 2015.

FOOTBALL MEN TEAM:
- Secured Runners Trophy in BMSCE “KREEDOTHSAV-15” Inter Collegiate Tournament held from 1st to 3rd Oct. 2015.
- Secured Runners Trophy in Sir. MVIT “KALANJALI-15” Inter Collegiate Tournament held from 16th to 18th Oct. 2015.

BADMINTON WOMEN TEAM:
- Secured Winners Trophy in RVCE “MOMENTUM-15” Inter Collegiate Tournament held from 15th to 18th Oct. 2015.

INDIA, STATE & VTU PLAYERS LIST FOR THE YEAR 2015-16

<table>
<thead>
<tr>
<th>SL No.</th>
<th>NAME OF THE STUDENT</th>
<th>SEM</th>
<th>BRANCH</th>
<th>GAME</th>
<th>REPRESENTED FOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>SUJITH N GOWDA</td>
<td>III</td>
<td>EIE</td>
<td>CRICKET</td>
<td>KARNATAKA STATE UNDER – 19 YRS (Capt.)</td>
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<tr>
<td>2.</td>
<td>PRIYA PRAKASH</td>
<td>III</td>
<td>B Arch</td>
<td>BADMINTON</td>
<td>VTU</td>
</tr>
<tr>
<td>3.</td>
<td>LIKHITH A GOWDA</td>
<td>I</td>
<td>MECH</td>
<td>BADMINTON</td>
<td>VTU</td>
</tr>
<tr>
<td>4.</td>
<td>MEGHANAA SREEVATSA</td>
<td>V</td>
<td>EIE</td>
<td>SWIMMING</td>
<td>VTU</td>
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<tr>
<td>5.</td>
<td>AKSHAY S MURTHY</td>
<td>III</td>
<td>MECH</td>
<td>WATER POLO</td>
<td>VTU</td>
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<tr>
<td>6.</td>
<td>MUTHAMMA M C</td>
<td>V</td>
<td>B Arch</td>
<td>HOCKEY</td>
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<tr>
<td>7.</td>
<td>UTSAV VIJENDRA</td>
<td>VII</td>
<td>TELE</td>
<td>HOCKEY</td>
<td>VTU</td>
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<tr>
<td>8.</td>
<td>NIKITA TELKAR</td>
<td>III</td>
<td>CIVIL</td>
<td>TENNIS</td>
<td>VTU</td>
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<tr>
<td>9.</td>
<td>ANUSHKA A CHHABRIA</td>
<td>I</td>
<td>B T</td>
<td>TENNIS</td>
<td>VTU</td>
</tr>
</tbody>
</table>

TEAM ACHIEVEMENTS

Women Badminton Team Secured Winners Trophy in VTU Bangalore Central Zone and Inter Zone Tournament and also Winners in RVCE MOMENTUM – 15 Inter Collegiate Tournament. Men Team Secured Runners Trophy in VTU Bangalore Central Zone and 1st Runners up in Inter Zone Tournament.

Women Chess Team Secured Winners Trophy in VTU Bangalore Central Zone and Inter Zone Tournament. Men Team Secured Runners Trophy in VTU Bangalore Central Zone Inter Collegiate Tournament.

Women Tennis Team Secured Winners Trophy in BMSCE “KREEDOTHSAV-15” and Runners Trophy in RVCE “MOMENTUM-15” Inter Collegiate Tournament.

Men Table Tennis Team Secured Winners Trophy in VTU Bangalore Central Zone Inter Collegiate Tournament and also Won Winners Trophies in MSR Medical Col, St. John. Medical Col and B’lore Medical College Tournament.

Judo and Wrestling Team Secured 2 - Silver Medal and 1 – Bronze Medal in Judo & 3 – Bronze Medal in Wrestling in VTU Single Zone Inter Collegiate Competition.
EDC ORIENTATION

A fresh start for EDC MSRIT in a new session as the general proceedings were kick-started with high aspirations, new faces, some remarkable words and a lot of enthusiasm in the air. The orientation programme was conducted as an attempt to give them a glimpse of what EDC is and what they can expect out of it.

- The event had a keynote speech from Dr Lingaraju, EDC Co-ordinator regarding the importance of entrepreneurship and what the club has to offer.
- A video which was a compilation of EDC’s best moments from the past academic year.
- Representing the student body of the club Mr Harish and Ms Megha interacted with the students present regarding the club.
- An incubated startup in our college owned by Mr Vignesh and his team shared their experiences. They also organized activities for the students.
- The student body of the club was introduced to the crowd.
- And hence, a new chapter began for EDC, MSRIT with new hopes and aspirations.

E-TALKIES

TALK BY MR VINAYAK JOSHI

Mr Joshi an actor, artist and a radio jockey. He was also a child artist in the Kannada Film industry. The talk was titled “To make in India or make India?”.

- He spoke about some of his most memorable events and moments which included acting, battle with weight loss and coming out of depression and much more.
- He motivated students to follow their dreams and never be pulled down by negative thoughts and feelings.
- He also sang few meaningful Kannada poems which gave the audience a very refreshing break.
- The speaker gave instances from his life where he bounced back after weight loss and went back to acting and jockeying at a popular radio station in Bangalore.
- He also interacted with the audience by asking about their experiences in life when they felt helpless and motivated them to always aim higher.
- He also told that as a nation if we want to develop or reach new heights, we as citizens need to make ourselves better humans and then try to make better nation.

TALK BY MR PONNAPA P G

Mr. Ponnapa is a distinguished name in the startup circle and has a career spanning more than 30 years and has held top positions in a number of highly reputed companies like Asian Paints and AOL. He is presently working as a mentor for start-ups which plan to make it big in this highly competitive, yet opportunistic world.

- It is always good to have an insight about what the person on the other side of the table seeks from you. The case is not very different with entrepreneurs; they won’t miss a chance to get an investors perspective to funding a startup.
- It was a two-hour session by him, in which he discussed about the various aspects that an investor looks at before investing in a company. He also gave an insight about the various small issues one needs to take care of, before starting a company.
- The importance of co-founders, finance and the need of the product in the market were certain other key points which were discussed by him.
- The session was highly interactive and the students asked questions pertaining to start-ups and the startup culture in India. The questions kept pouring from various sectors ranging from hardware startups to the factors which play role in students getting funding for their startups.
- One thing was very sure, that everyone present for the talk was benefitted in one way or another.
- With hopes of having Mr Ponnapa back in the campus real soon, we brought the talk to a close with few words from our faculty coordinator Dr Lingaraju.

A TALK BY GAURAV MUNJAL AND ROMAN SAINI

Mr Gaurav Munjal is an entrepreneur who has founded two companies namely Flatchat and Unacademy. An avid reader and a blogger, Mr Munjal is a very well-known personality in startup scene.

Dr Roman Saini is a motivational speaker and one of the youngest IAS officers. He along with Mr Munjal started Unacademy.

- The event was a sort of talk show where Mr Munjal and Dr Saini were asked questions from students regarding their journey and what they overcame to become entrepreneurs.
- They asked to stop making excuses and start working towards their startup idea if they want to succeed. Excuses like job security, salary and family pressure is what holding back most people from pursuing their ideas.

VENTURE HACK: ELEVATOR PITCH

Elevator pitch is succinct and persuasive sales pitch. The idea originates from having to impress a senior executive during a brief ride in an elevator. The competition had students pitching their ideas to our panel of judges in a very short time interval of five minutes.

- The judging panel included Mr Ponnapa P. G, a startup mentor and investor and Mr. Rithin Ravindran.
- A total of eight teams were selected to pitch their ideas to the judging panel.
- The teams were very keenly scrutinized by Mr. Rithin Ravindran who gave a lot of insights into what really happens during an actual elevator pitch.
- The teams were judged based on their ability to grab and hold attention, the problem and thus save valuable time, energy and effort.
- They also asked students to spend less time on social media and concentrate on their ideas and studies.

Women Throw ball Team Secured Winners Trophy in VTU Bangalore Central Zone and 1st Runners up Trophy in Inter Zone Tournament.

Kaiser Sheikh student of VII Sem Chemical and Manoj S N student of III Sem MBA won Gold and Silver Medal in VTU Single Zone Best Physique Competition.

What a person learn after failing at something is more than what a person can after gaining success. So they urged students to learn from their mistakes and keep innovating to achieve success.

- The also stressed on the importance of reading autobiographies and books which help people avoid committing the same mistakes and thus save valuable time, energy and effort.
- They also asked students to spend less time on social media and concentrate on their ideas and studies.
Blood donation camp is conducted every year by NSS MSRIT in the memory of our founder chairman Dr. M.S. Ramaiah. On this day the gift of life made possible by voluntary blood donors is been recognized. The first volunteer meet was held on 16 November 2015. From that day all the volunteers and the core committee members have been working enthusiastically making posters, banners and installations for the camp. Publicity for the camp was also done the same way. There were publicity activities like flash-mob, freeze mob, door to door publicity, radio and television announcements, short movies and announcements in nearby MSR institutions. The 18th voluntary blood donation camp was conducted on the 30th November 2015 in the campus of MSRIT. The camp started at 9 a.m. and went on till 5 p.m. There were 13 blood banks that participated in the collection drive this year. The blood banks were Indian red cross society, M S R blood bank, K C G blood bank, Ghousia blood bank, Kidwai memorial institute of oncology, Victoria hospital blood bank, Dr. Rajkumar blood bank, Bangalore blood bank, Narayana hrudayalaya, Millennium blood bank, Life care voluntary blood bank, Lion blood bank, Indira Gandhi institute of child health hospital. The campaign was coordinated by NSS officers and student coordinators. Each team leader was allotted a blood bank and they had to guide the volunteers in their work and assist the blood bank personnel. Proper medical check up was done on every donor before registering them for the blood donation. The donors were looked after well by the volunteers in their work and assisting the blood bank personnel. Proper medical attention and refreshments after donating the blood. All the students and faculty of various MSR institutions actively took part in the blood donation camp.

Sri. V. Manohar, music director, lyricist, film director and a renowned actor and Dr. H. Sreenivasiah Inaugurated the 18th voluntary blood donation camp. Sri. M.R. Seetharam, Vice Chairman GEF and Director MSRIT, Dr. NVR Naidu, Principal MSRIT and Dr Putta Bore Gowda NSS coordinator were present on the occasion. and Dr. H. Sreenivasiah. The other guests who were present were.

The chief guests of the function appreciated the initiative taken by the institute for noble cause and thanked the NSS wing of MSRIT and Volunteers of NSS for their immense dedication towards serving the society.

<table>
<thead>
<tr>
<th>SL. No.</th>
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<td>2</td>
<td>M S R Blood Bank</td>
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<td>KCG Blood Bank</td>
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<td>4</td>
<td>Ghousia Blood Bank</td>
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</tr>
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<td>5</td>
<td>Kidwai memorial inst. Of oncology</td>
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<td>6</td>
<td>Victoria Hospital Blood Bank</td>
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<tr>
<td>7</td>
<td>Dr. Rajkumar Blood Bank</td>
<td>146</td>
</tr>
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<td>8</td>
<td>Bangalore Blood Bank</td>
<td>83</td>
</tr>
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<td>9</td>
<td>Narayana Hrudayalaya</td>
<td>87</td>
</tr>
<tr>
<td>10</td>
<td>Millennium Blood Bank</td>
<td>61</td>
</tr>
<tr>
<td>11</td>
<td>Life care voluntary Blood Bank</td>
<td>83</td>
</tr>
<tr>
<td>12</td>
<td>Lion Blood Bank</td>
<td>72</td>
</tr>
<tr>
<td>13</td>
<td>Indira Gandhi Institute of Child Health Hospital</td>
<td>125</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>1052</td>
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</tbody>
</table>

The event in all received a good response from the students, staff of the college. We hope next year it will take place in a much more grander and enthusiastic manner.
Cultural Orientation (ICE BREAKER) for freshers (21st August 2015)

The cultural orientation is one of the most looked forward events of MSRIT. The fresher’s are introduced to the various clubs in the college and to the truck-load of talent filled seniors. The clubs give them their chance to shine, nurture and explore their talents to become the best of all. The event kicked off with much enthusiasm mirrored by the fresher’s. The acclaimed dance clubs of MSRIT- Black Illusion, FTN, Infreno, Invincible, Kinkini, Lasya, Prayag showcased their wonderful talents. This inspired a lot of them to join the team and be a part of the legacy of the clubs. The Debating Club Debsox, is one of the most happening club in the college. They have brought huge laurels to MSRIT in various national and inter-national debating circuits. The crowd was awed by their debating skills.

Theatre clubs - Theatrix and Chirangara is a platform for theatre enthusiasts to showcase their acting skills. The movie club Ramaiyah Talks isirscreeens acclaimed movies and have deep discussions regarding the same. MSRIT has its very own student-run magazine The 19A. This is a platform for writers, designers to share their ideas. One is served with ample opportunities to explore beyond the finer aspects of good education. This club gives a wonderful opportunity to discover new talents. Thus with the help of the clubs the young talent present in our college. The fest saw a huge array of genre being covered such as musicals, historical adaptations amongst many others. At the end of each day, the judges provided their valuable insights and feedback on each and every performance which was well received by every performer. The award for best one act was awarded to wasimnazami for "Papad". The award for best skit was awarded to Vamshi Krishna for "Sanju Mathu Geetha". The best short movie was awarded to Kiran Kumar for "Misa Understood". The organizing committee of ShoutOut 8.0 takes immense pride in presenting this monumental event in the ExtraCurricular calendar of our college.

Kannada Rajyotsava (3rd – 6th November 2015)

Kannada Rajyotsava has always been the most celebrated event during an odd semester. Kannada Rajyotsava 2015 was no less, as it was organized, publicized and executed to perfection. This edition of Kannada Rajyotsava was held on the 3rd 4th, 5th and 6th of November 2015. The events conducted during these 4 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 the following events were conducted - Day one (3-11-2015) Street dance, Fun events, Photography, Day two (4-11-2015) Counter strike, Poetry, Antakshari, Teachers Antakshari, Karaoke, JAM, Debate, Painting, Voice of MSRIT. Day three (5-11-2015) Personality Staff Quiz, Light Vocals, Creative writing, Face painting, Treasure hunt, DC, Aircrash, Cooking Day four (6-11-2015) Rangoli.

The main stage event Kannada Rajyotsava was held on 6-11-2015 in the college premises. Chief guests Sri. M S Narasimhamurthy and Sri P Ravishankar spoke on the occasion and distributed prizes to the winners of various events conducted as part of the Rajyotsava celebrations. Dr.N V R Naidu, Principal MSRIT, in his presidential address highlighted the remarkable contributions made by the chief guests for the development of Kannada in the state.
Distribution of Shri Krishna P. Godasi Scholarship: Maganti Foundation provides the Krishna P. Godasi Scholarship, in the memory of Late Shri Krishna P. Godasi, to the students in any branch of engineering or architecture at M.S. Ramaiyah Institute of Technology. The objective of this Scholarship is to grant full tuition fee for the entire B.E. / B.Arch course provided the students meet the required criteria. This year an amount of Rs 10.06 lakh was given to 26 students on 12th September 2015.

Rank Holder Felicitation: The Excellence shown in the Academic Performance by the students of MSRIT by securing a Rank during the Engineering course is recognized and gold medals instituted by distinguished alumni are awarded during graduation day ceremony every year. Rank holders are awarded Gold Medals instituted by alumni during the Graduation Day ceremony. Gold medals are instituted as follows:

<table>
<thead>
<tr>
<th>SL. No.</th>
<th>Branch</th>
<th>Gold Medal Instituted by</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>B.E. Civil Engineering</td>
<td>Sri Manoj Srivastava</td>
</tr>
<tr>
<td>2</td>
<td>BE Mechanical Engg</td>
<td>Sri Sajjan Jindal</td>
</tr>
<tr>
<td>3</td>
<td>BE, Electrical &amp; Electronics</td>
<td>Sri Jasbir Singh</td>
</tr>
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<td>4</td>
<td>BE, Electronics &amp;Commn</td>
<td>Sri Anurag Agrawal</td>
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<td>5</td>
<td>BE, Chemical Engg</td>
<td>Sri Aju Jacob</td>
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<tr>
<td>6</td>
<td>BE, Industrial Engg&amp;Mgmt</td>
<td>Sri C Lakshmi Narasimha Rao</td>
</tr>
</tbody>
</table>

NEW APPOINTMENTS

Department of Electrical & Electronics Engineering

Mr. Chandra shekhar Badachi

Mr. Chandra shekhar Badachi graduated in Electrical and Electronics Engineering from Basaveshwar Engineering College, Bagalkot. He completed his Post graduation in VLSI Design and Embedded Systems from the Dept. of PG Studies, VTU Extension centre. He has a total of 15 years experience in teaching. His research areas are Outdoor Insulation, High Voltage Engineering and Mathematical Modelling.

Mr. Gurunayk Nayak

Mr. Gurunayk Nayak has completed B.E in Electrical and Electronics from B.V.Bhoomareddi College of Engg, And Technology, Hubli, and M.Tech in Electrical and Electronics from IIT Kharagpur (Specialization Control Systems) and has 5 years of teaching experience. His research area includes design of Periodic controller, Robotics control and mathematical modeling of dynamical systems.

Department of Mechanical Engineering

Sri. Ashok Kumar K, Assistant Professor

Sri. Ashok Kumar K obtained his B.E. in Mechanical from MSRIT, Bangalore in 2009 and completed his M.Tech in Thermal Power Engineering from NMIT Bangalore. He worked as an Asst.Professor in the department of Mechanical engineering at SVCE and NCE Bangalore before joining MSRIT. He has 5 years of teaching experience and his research areas are Bio-fuels, Refrigeration and Air Conditioning etc.

Sri. Pradeep S, Assistant Professor

Sri. Pradeep S Completed his B.E in mechanical Engineering from Sir MVIT in 2008 and started his career as Software Engineer at Infosys technologies ltd, Mysore and rendered the service for one year and served Tech Mahindra for 3 and a half years . He obtained M.Tech degree from Manipal Institute of Technology in Manufacturing Engineering in the year 2015.

Sri. Balasubramanya H S, Assistant Professor

Sri. Balasubramanya H S obtained his B.E in Mechanical Engineering from SLN College of Engg, Raichur in the year 2011 and completed M.Tech securing second rank in Thermal Power Engg, in BIET Davangere in the year 2013. He worked as a lecturer at Dr.GSM polytechnic Kukanur and Sree Sairam College of Engg, Bangalore before joining MSRIT.

Sri. Ashok Kumar K

Sri. Ashok Kumar K obtained his B.E. in Mechanical from MSRIT, Bangalore in 2009 and completed his M.Tech in Thermal Power Engineering from NMIT Bangalore. He worked as an Asst.Professor in the department of Mechanical engineering at SVCE and NCE Bangalore before joining MSRIT. He has 5 years of teaching experience and his research areas are Bio-fuels, Refrigeration and Air Conditioning etc.
**Department of Civil Engineering**

Mrs. Shilpa D N, Asst. Professor,

Mrs. Shilpa D N is an alumnus of this institute, pursued her Bachelor’s Degree in Civil Engineering in year 2012. She obtained her Master’s Degree from NITK, Surathkal. She has worked as Assistant Professor for a period of 1 year in Nagarjuna College of Engineering and Technology, Bangalore.

Nagashree B, Asst Professor

Nagashree B completed her Bachelor’s of Engineering in Civil from Government SKSJTI, B’lore, pursued her Master of Technology (Structural Engineering) from Dr. Ambedkar Institute of Technology Bengaluru. She was the university topper in Prestressed Concrete during the academic year 2011-2012. She has published two papers in International Journals during her PG programme. She has worked as lecturer in MS Ramaiah Polytechnic for about a year.

**Department of Electronics And Communication Engineering**

Akkamahadevi, M. B, Assistant Professor

Miss. Akkamahadevi M B graduated B.E in E&C at PESIT, Bangalore and M.Tech in Digital Communication at BMSCE, Bangalore. She worked for one year at BMSCE as an Academic intern and has publications in journals to her credit.

Veena G N, Assistant Professor

Mrs. Veena G N graduated B.E in E&C at East West Institute of Technology, Bangalore and M.Tech in Digital Communication and networking at Reva Institute of Technology, Bangalore.

**Department of Chemical Engineering**

Ms. Annapurna S M, Assistant Professor

Annapurna M has joined in the department of Chemical Engineering on 01st August 2015, with two and half years of teaching experience. She has done her M.Tech from Indian Institute of Technology, Hyderabad. Her area of specialization is Drug Design & Simulation. She has presented papers in National & International Conference.

**Department of Biotechnology**

Dr. Pradeepa K, Assistant Professor

Dr. Pradeepa, K, obtained his Masters degree Doctoral degree in Biotechnology from Kuvempu University in the year 2008 and 2014 respectively. He has two years of teaching experience and has over 20 research publications to his credit. He was also qualified in the K-SET , a prestigious Competitive Examination.

**Department of Management Studies**

Prof: Vaijanath Babshetti, Assistant Professor

Vaijanath Babshetti, obtained his Masters degree MBA in Finance & Marketing from Bharati Vidyapeeth’s IMS Solapur. He is currently Pursuing Ph.D in the area of Commodity Derivatives under VTU, Belagavi. He has few publications to his credit and has authored a text book titled “Risk Management” through Kalyani Publishers New Delhi. His area of interest is Financial and Commodity derivatives and Insurance.

Mrs. Jyothi E Singh, Assistant Professor

Jyothi E Singh, completed her Masters Degree in Business Administration (Finance) securing 7th rank from Visvesvaraya Technological University and Bachelors Degree in Commerce (Finance) from Bangalore University. She has the rare distinction of clearing NCFM Certification in Equity derivatives module conducted by National Stock Exchange. She has about 7 years of teaching experience and has presented papers in the area of financial inclusion in National and International Conferences. She is currently Pursuing her Ph.D in the area of Behavioral Finance under VTU, Belagavi.
RANK HOLDERS (2015)

Electrical & Electronics Engineering

Archit Krishna Kamath
RANK - I

Pawan Ramakrishna Manvi
RANK - II

Ankit Kumar
RANK - III

Mechanical Engineering

Vinay K S
RANK - I

Abhinav Singh
RANK - II

Madhukar K
RANK - III

Puneeth L
RANK - IV

Civil Engineering

Atul Anantheswar
RANK - I

Anand Biradar
RANK - II

Ayushi Pandey
RANK - III

Kenneth Jackbastian Nazareth
RANK - IV

Electronics & Communication Engineering

Ashiya S
RANK - I

Neha V L
RANK - II

Vishal Upadhyay
RANK - III

Suhaskir P R
RANK - IV

Computer Science & Engineering

Aparna R
RANK - I

Sharri S
RANK - II

Shruthi J G
RANK - III

Nikhil N Jannu
RANK - IV

Medical Electronics

Anjana S
RANK - I

Sahana M N
RANK - II

Ankith S
RANK - III

RANK HOLDERS (2015)

Electrical & Electronics Engineering

Archit Krishna Kamath
RANK - I

Pawan Ramakrishna Manvi
RANK - II

Ankit Kumar
RANK - III

Mechanical Engineering

Vinay K S
RANK - I

Abhinav Singh
RANK - II

Madhukar K
RANK - III

Puneeth L
RANK - IV

Civil Engineering

Atul Anantheswar
RANK - I

Anand Biradar
RANK - II

Ayushi Pandey
RANK - III

Kenneth Jackbastian Nazareth
RANK - IV

Electronics & Communication Engineering

Ashiya S
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Neha V L
RANK - II

Vishal Upadhyay
RANK - III

Suhaskir P R
RANK - IV

Computer Science & Engineering

Aparna R
RANK - I

Sharri S
RANK - II

Shruthi J G
RANK - III

Nikhil N Jannu
RANK - IV

Medical Electronics

Anjana S
RANK - I

Sahana M N
RANK - II

Ankith S
RANK - III
RANK HOLDERS (2015)

Information Science & Engineering

Harshini K S  
RANK - I

Prasanna U Pandit  
RANK - II

Chaitra D  
RANK - III

Rakshitha B R  
RANK - IV

Bachelor of Architecture

Pragathi V Gurkar  
RANK - I

Shahana Chandra  
RANK - II

Vrashika Bopanna A  
RANK - III

Shagufa Hussain  
RANK - IV

Saraju N  
RANK - IV

Telecommunication Engineering

Anjana S  
RANK - I

Sahana M N  
RANK - II

Arshith S  
RANK - III

Master of Business Administration

Girish Desai  
RANK - I

Murali T R  
RANK - II

Bio-Technology

Keerthi K S  
RANK - I

Bhageeri R  
RANK - II

Navyashree A R  
RANK - III

Rasopth N L  
RANK - III
Advantage MSRIT

- Proven track record spanning 50 years, in engineering education
- Strategically located in the heart of Bangalore City offering excellent connectively and convenience
- State-of-the-art infrastructure and facilities comparable to international standards
- High qualified and committed faculty, constantly evolving teaching methodology
- Faculty to student ratio of 1:15 - among the best in the industry
- Industry-oriented instructional content to ensure strong synergy with the changing requirements
- Strong relationship with leading names in the industry
- Several departments involved in various prestigious projects
- Focus on all round development to enable professionals to deliver in a dynamic ecosystem
- Excellent placement record - 90-95% achieved year-on-year

Various education institution under GoKula Education Foundation (GEF)

M S Ramaiah institute of technology
M S Ramaiah medical college
M S Ramaiah medical Teaching Hospital
M S Ramaiah institute of Nursing Education & Research
M S Ramaiah Dental College
M S Ramaiah college of pharmacy
M S Ramaiah college of Hotel Management
M S Ramaiah composite junior College
M S Ramaiah college of Arts, Science, & Commerce
M S Ramaiah Vidyanikethan
M S Ramaiah institute of Management studies
M S Ramaiah college of law
M S Ramaiah institute of Physical Medicine & Rehabilitation
M S Ramaiah Polytechnic
M S Ramaiah college of Advance studies

M S Ramaiah Indology Centre
M S Ramaiah Memorial Hospital
M S Ramaiah Narayana Hrudayalaya Heart Centre
Gokula Ayush Arogyadhama
International Medical School Kutpm
Gokula Curie Cancer Centre
M S Ramaiah Composite
Pre-University College
M S Ramaiah High school
M S Ramaiah Drugs and allied products Testing Laboratories
M S Ramaiah College of Education
M S Ramaiah Advance Learning Centre
M S Ramaiah institute of Neuro Sciences
M S Ramaiah Centre for Rehabilitation

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**Education**

Take up one idea. Make that one idea your life - think of it, dream of it, live on that idea. Let the brain, muscles, nerves, every part of your body, be full of that idea, and just leave every other idea alone. This is the way to success.

- Swami Vivekananda

As we express our gratitude, we must never forget that the highest appreciation is not to utter words, but to live by them.

- John F. Kennedy

The function of education is to teach one to think intensively and to think critically. Intelligence plus character - that is the goal of true education.

- Martin Luther King, Jr.

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**Health Corner - Water**

A Guava a day can restore the loss of Vitamin C completely. Improving the immune system.

Guava is a rich source of Antioxidants, Phytonutrients and flavonoid that make it highly beneficial to protect from cancer.

The Potassium and Vitamin C in Guava have important roles to play in our overall cardiac health.

Guava has good dietary fibre, known to reduce the chances of Type II diabetes.

Guava is very helpful for those who want loose weight without compromising their intake of proteins, Vitamins and fibre.