

Papers/Workshops/Conferences Attended

- 1) Dr. Shankara B.S., and Dr. Manju.M., attended a conference on *Recent Advance in industrial Engineering and Applied Chemistry Synthesis, Characterization and DNA binding of new (2E)-2-[(2-butyl-4-chloro-1H-imidazol-5-yl)methylidene]-4N-hydrazinecarbothioamides with metal complexes* National Conference on" (NCRAIEAC-2016), at SSIT,Tumkur. during 21st to 22nd Oct. 2016.
- 2) Dr. Manju M., and Dr. Shankara B.S., published a paper on *Phase Behavior of Blends of Poly (Ethylene Glycol) with MMA/EOEMA Copolymer* in International Journal of Innovative Research & Development Vol 5 Issue 11, PP-108-112. Oct. 2016.
- 3) Dr. Manju M., and Prof. Padmini T.N., published a papere on *Degradation of 1,3-Diphenyl Thiourea by Cetyltrimethylammonium Permanganate in Solvent Free State: Reaction Kinetics and Mechanistic Aspects* in International Journal of pharmacy and pharmaceutics research, Vol.:7, Issue:3, pp-41-51
- 4) Dr. Vijayakumar P C published a paper titled *Determination of crystalline planes and directions in cubic system*, in Research and Reviews: Journal of Physics, Vol 5, issue 2 (2016). Pp 1-5.
- 5) Dr. Manjunath G published a paper titled *Laceability in line Graphs and jump Graphs of Petersen Graph* in Research and Reviews: Discrete Mathematical Structures, Volume 3, Issue 2, PP 5 – 13.
- 6) Prof. Veeresh A Sajjanar presented a paper entitled *On V – closed Sets in Topological spaces in National Conference on Geometry, Topology and their applications* (NCGTA – 2016) at Karnataka University, Dharwad, held during 03-08-2016 to 04-08-2016.
- 7) Prof. Mallikarjun G D and Prof. Kalpana G has participated in a national conference on *An Insight into Analysis and Applications of Mathematics* on 24th Aug. 2016 at National College, Jayanagar, Bengaluru – 70.
- 8) Prof. Venkata Krishna Reddy B presented a paper on *Effect of Substrate Temperature on the Physical Properties of the DC Magnetron Sputtered TiO₂ Thin film* in National Conference On Advanced Functional Materials held In Sri Venkateswara University, Tirupati, during 23 -24 March 2016.
- 9) Mr. Aragudige Nagaraja, Librarian, attended a National seminar on *Libraries in open society* held at BMSIT, Bengaluru on 19th December 2016
- 10) Prof. Rashmi M, published a paper on *Corrosion Properties of as-cast and Heat treated Al 7075/SiC composites* in international journal of Scientific Engineering and Applied Science in April 2016.
- 11) Prof. Kalpana G, published a paper on *Numerical Scruting for Thermal Diffusion and Chemical Reaction on unsteady dusty Visco-elastic Fluid Flow in an Irregular channel through porous medium* in journal of Engineering research and technology, Vol. 6, No. 1. 2016

Toppers (2nd Semester-Physics cycle)



Nanda A. (CSE)
(SGPA 9.17)



Akshay S. P. (CSE)
(SGPA 8.83)



Priyanka (CIV)
(SGPA 8.17)

Toppers (2nd Semester-Chemistry cycle)



Premkumar S. (ECE)
(SGPA 9.00)



Sreehari (EEE)
(SGPA 8.82)



Manoj Kumar (ME)
(SGPA 8.42)

Department of Computer Science & Engineering

- To mark the tribute of a great teacher Dr. Sarvepalli Radhakrishnan, students from Computer Science & Engineering Department celebrated Teachers' Day on 5th Sep. 2016. Students arranged entertainment programs for teachers' who took off the day and participated in all the events with joy and enthusiasm.
- To commemorate the birthday (15th September) of the legendary engineer Sir. M. Visvesvaraya, the Department organized a function on 17th September 2016, by inviting all the teachers and students of the college. To honour his achievements and contribution, students enacted a skit and displayed audio visual presentation of the genius.
- On the same day, students of the department gave a welcome party to 1st semester students by clebrating Freshers Day – Aarambha 2016, to motivate the juniors and create a friendly atmospehere. Head of Department, Dr. Jagadeesh Gowda, gave a welcome speech to the students and the dignitaries, followed by Presidential address by Principal Dr. A. Manjunatha. The Chief guest of Honour Mr. Lakshmeesha P, Senior Consultant, IBM, Bengaluru delivered his motivational speech to the future budding engineers. A number of interactive entertainment events were conducted for the freshers.



Sri Krishna Institute of Techonology



(A unit of Sri Raghavendra Educational Institutions Society)

No. 29, Chimney Hills, Hesaraghatta Main Road, Bengaluru - 90

News Letter

Vol. No. 1

Issue 1, Feb. 2017

Message from Management



Dr. Venkataramana
Secretary, SREIS



Smt. Sumitra V.
President, SREIS



Dr. Raghavendra V.
Director, SREIS

At the outset, the management congratulates Principal and his editorial team for their efforts in bringing out the very first issue of our college *News Letter*. With the goal of providing quality education to students, the management continually strives to improve the education standards, infrastructure, and services in all facets of learning. In an endeavor to acquaint all the people in the field of technical education about the achievements of the S.K.I.T, fraternity, we hope this News letter in its maiden issue inspires the like-minded for optimal performance in their future. We wish the editorial committee to make the News letter more colourfull and meaningful in the future.

Principal's Message

I am extremely happy to know that we are releasing our SKIT's half yearly News Letter highlighting all the activities of the college. Achievements of staff and students' earn credit to the institution. This is definitely the inspiration and motivation for other staff and students' to perform better and contribute more for the next issue. I sincerely congratulate the editorial team and all the contributors. I wish them all the very best.



Dr. A. Manjunatha

Editorial Board

Dr. A. Manjunatha - Chief Editor

Prof. Praveen C. - Editor

Members

Prof. Manjunatha G., Prof. Vishwanatha, Prof. Ananda K., Prof. Praveen Kumar C., Prof. Sharanya Y.S., Prof. Padmini T.N. Prof. Venkata Krishna Reddy B.

Inauguration of 1st semester B.E.

The inaugural ceremony of classes for First Semester students of the academic year 2016-2017 was held on 15-08-2016 in the college auditorium. Students accompanied with their parents were given a grand welcome. Dr. K. Gayathri Reddy, VTU Special Officer, Bangalore Region, and Sri. Narayanaswamy, Assistant Commissioner of Police, Bangalore, were invited as Chief Guests. Sumitra V., President, SREIS, was the Chief Guest of Honour. The function was presided over by Principal, Dr. A. Manjunatha. All the dignitaries addressed the gathering about the present education scenario, challenges to be faced along with words of wisdom, and responsibilities as a citizen for a progressive society. A number of entertainment events were conducted during the ceremony. The teaching staff conducted introductory classes for all the 1st semester students on the relevant subjects to adapt themselves prior to the commencement of classes.



- Principal, Dr. A. Manjunatha informed the students and their parents about the **Proctorial management system**, wherein, the college updates and maintains an effective Proctorial system that helps to monitor students' activities and provide supportive advice and guidance to the students to perform better in their academics.

Department of Mechanical Engineering

Coaching for competitive exams

The Department of Mechanical Engineering, under the banner of Society of Mechanical Engineers, and in association with Vani Coaching Academy, Bangalore, organized a one day Seminar on 24th August 2016 regarding **Awareness on Various Competitive Examinations** like GATE, PSU's & ESE, in separate batches for students of 5th and 7th semester Mechanical Branch.



Technical Talk by Prof. Chandrashekar

The Society of Mechanical Engineers, organized a Technical Talk on **Industrial Accidents and Safety** by Dr. R. Chandrashekar former Prof and HOD, Mechanical Engineering M.S. Ramaiah Institute of Technology on 16th Sep 2016. During his speech, Dr. Chandrashekar addressed Mechanical students about the types of accidents that may happen in Industries, residential, roads, and the ways to avoid accidents by following safety rules and precautions. He also gave an insight into the Bhopal gas tragedy and his investigations about the tragedy and the report submitted by him to the Government of India.



One Day Seminar

The Department of Mechanical engineering organized One Day Seminar on **Renewable Energy Resources & Sustainability (RERS-2016)** on 20th October 2016. The Chief Guest of Honor and Speaker, Dr. H. Naganagouda, Director National Training Centre for Solar Technology delivered the keynote address followed by his lecture on the theme duly addressing the present status of harnessing Solar Power in Karnataka State and the future scope of exploring solar power in an efficient way and possibility of funds available for scholars and students working in the field of Solar Energy.



• Dr. Sreepathi, Professor, Department of Mechanical Engineering JNNCE, Shivamogga was invited as Guest Speaker for the second session. While speaking on the theme, he explained in detail about Bio Fuels and the importance of exploring them economically for a eco-friendly environment.



Seminar on CAD/CAM/CAE

The Society of Mechanical Engineers in association with CMS Technologies, Bangalore, organized a seminar for Mechanical students on **Training on Solid Modeling and Analysis**. Students were informed and trained regarding the use of CAD/CAM/CAE software, their role in industries, and the demanding job opportunities in the concerned field.

Industrial Training

The department of Mechanical engineering takes immense interest in providing opportunities for students to have Industrial visits so as to enable them to gain practical knowledge.

• The department organized a one day visit on 28th September 2016, to M/s Durga Tech., Bangalore, specialized in the manufacturing of connecting rods and pistons using CNC machines.



• The department also organized a one-day visit on 25th October 2016, to M/s Karnataka Soaps and Detergents, Bangalore, specialized in the manufacture of soaps, detergents, and oils.

Papers/Workshops/Conferences Attended

Research Papers

- Prof. Chandraiah M. T., and Prof. Yathiraj K., published a paper on *Evaluation of Mechanical Properties of Aluminum 6061 Reinforced with Boron Nitride MMC's using OM* in IJIRSET journal, Vol. 5, Issue 9, September 2016.
- Prof. Sridhar H. S., published a paper on *Development and Characterization of A356 Alloy Reinforced with Bottom Ash Metal Matrix Particulate Composite for Automotive Applications: A Review* in IJIRD journal, Vol. 5, Issue 11, October 2016.
- Prof. Harendra Kumar H.V., Prof. Dinesh P., Prof. Satish P.C., and Prof. Umashankar K.T., published a paper on *Design, Analysis and Manufacturing of a Set of Stage Tools for sheet metal component for a Panel Back Outer Rear Back Floor* in IRJET journal, Vol. 3, Issue 8, August 2016.
- Prof. Navinsh B. C., attended and published a paper on *Supply chain management indulged in quality control of manufacturing of pistons* in National conference ITME 2016 held at SVCE, Bangalore

- Prof. Deepak S., published a paper on *Tribological Behaviour of WC-Gr Reinforced Hybrid Composite* in International journal of advanced technology in engineering and sciences (ISSN 2348-7550) Vol. 5, Issue 1, Jan. 2017
- Prof. Paramesha M., attended a *Faculty development program on CAED, CAMD & Leadership* conducted by Atria Institute of Technology, Bangalore, from 1st - 6th July 2016.
- Prof. Yathiraj K., and Prof. Pramod S. N., attended a workshop on *Introduction to Robotics* at Reva University, Bangalore, from 23rd - 24th September 2016.
- Prof. Navinsh B C., attended a seminar on *Challenges in Stainless Steel Welding* at Indian Institute of welding, Bangalore, on 4th October 2016.

Text Books Published

- Prof. Praveen C., published a text book, titled *Metal Casting & Welding* for 3rd semester B.E., students of Mechanical and Allied Branches of Visvesvaraya Technological University, Belagavi.
- Prof. Praveen C., and Prof. Suresh Raddy published a text book, titled *Basic Thermal Engineering* for 4th semester Diploma students of Mechanical branch, as per DTE syllabus, Karnataka State.

Toppers



Vaishnavi L. (78%)
4th semester



Suhas C. (73 %)
6th semester



Shubam Kumar (82 %)
8th semester

Department of Basic Science & Humanities

Achievements

- 1) Prof. Shankara B.S., Head of department of Engineering Chemistry, was awarded the degree of Doctor of Philosophy (Ph.D.) by VTU Belagavi, in May 2016, for his research work on *Studies on metal complexes with biologically active coordination compounds*.
- 2) Prof. Manjunath G. Department of Mathematics, was awarded the degree of Doctor of Philosophy (Ph.D.) by VTU Belagavi, in May 2016, for his research work titled *On a class of Hamiltonian Graphs*.

The Management, Principal and all the teaching staff congratulate them for the milestone in their professional career.

- Staff and Students of the department organized a farewell function to bid adieu to the final year students of 2016 batch. Principal Dr. A. Manjunatha addressed the gathering, and Dr. K. Naresh, HOD of Civil Engg., presented mementos to the students.



NSS (National Service Scheme)

The motto of NSS is '**NOT Me But You**'.

- Seeking to give impetus to our Prime Minister Narendra Modi's 'Swachh Bharat Abhiyan', the NSS unit organized a Swacha Bharat Camp on 29th Sep. 2016 at Gutte Basavanna Temple, Chickbanawara, Bengaluru, and on 2nd Sep. 2016 in the college campus. About 80 NSS volunteers actively took part in maintaining cleanliness in and around the Temple premises and also in the college campus.



- The NSS unit organized a Tree Plantation program in the premises of Sri Raghavendra College of Nursing, Bengaluru, on 31st Aug. 2016. Trees were planted and watered by the students across the open area of the college premises.
- In association with Rotary Bengaluru and Red Cross Society, NSS unit organized a Blood Donation camp on 3rd May 2016. Around 250 units of blood was donated by the students, and teaching staff of the college.



There goes a saying Its better to lend a hand than point a finger. The NSS unit of the college managed to arrange a sum of Rs. 13000/- (Rupees Thirteen thousand only) from Alumni of Mechanical Engineering Department to help an Orphanage located at Koramangala, Bengaluru on 6th October 2016. Principal Dr. A. Manjunatha in the presence of HOD of Mechanical Engg., Prof. A. Sareenivasan, Dean, Dr. S. V. Prakash, and NSS co-ordinator Mr. Shridhar H.S., handed over the cheque to the concerned authority of the orphanage.



Placement and Training Center

The placement and training center has conducted motivation training and counselling programs, personality development programs, and pre placement training in soft-skills to all the students to enable them to acquaint to the current corporate requirements for campus placement opportunities.

Around 70 students have already been placed in reputed companies like UNISYS, Advanced Business & Healthcare Pvt. Ltd., Capgemini, NTT data, IBM, Accord Software, and Trigent Software. The Management, Principal and the Teaching staff congratulates the students on their appointment and wish them success in their new endeavour.

Department of Physical Education

The teaching staff and students are encouraged to participate in various sport events at various levels.

- Prof. Mahesh Kumar of EEE department secured 2nd place in Badminton tournament held at SJBIT, Bangalore on 27 & 28th Feb. 2016
- Ms. Banupriya of 4th Semester EEE department participated in VTU Taekwondo compition held at VDRT Haliyal during 13th to 17th March 2016.
- The college team participated in VTU 19th intercollegiate athletic meet held at KGF Kolar during 15th to 18th Nov. 2016.

Engineering Edge

Whether you buy a loaf bread, an automobile, or an aircraft, there is no rule that something for nothing; sweet is directly proportional to sweat, we reap as we sow.

a welcome speech to the students and the dignitaries, followed by Presidential address by Principal Dr. A. Manjunatha. The Chief guest of Honour Mr. Lakshmeesha P., Senior Consultant, IBM, Bengaluru delivered his motivational speech to the future budding engineers. A number of interactive entertainment events were conducted for the freshers.



- The 61st Kannada Rajyotsava, state festival of Karnataka, was celebrated on 2nd November 2016 with great zeal. The state flag was hoisted in view of the state's formation day and all the teachers and students joined together to sing the state anthem Jaya Bharata Jananiya Tanujate and Nityotsava song.

Seminars/Workshops Conducted

- In association with EcoPinnacle on 26th Sep. 2016, and with Jigsaw Academy on 20th Oct. 2016, the department organized a seminar to guide the students regarding preparation for placement in reputed companies. Students were guided on Soft skills and aptitude tests, mode of preparation, contents to be studied and other related topics.
- The department in association with AnkPro, organized a technical seminar on 27th Sep. 2016 on Mobile & Android Application to benefit the higher semester students in the area of Mobile technology.

Papers/Conferences/Workshops attended

- Prof. Geetha Meghraj published a paper titled *FCM BPSO Energy efficient task Based load balancing in Cloud Computing* in Journal of Theoretical and applied Information Technology Dec 201, Volume 94, No. 2
- Prof. Naveen G., and Prof. Lokesh H.D., attended FDP program on *NBA and BIG DATA Online Data Analysis* in TCS, Bengaluru, on 21-09-2016.
- Prof. Vishwanath attended a workshop on *Introduction to Robotics* held at Reva University, Bengaluru, on 23rd and 24th Sept. 2016
- Prof. Chaitra G., attended FDP on *Emerging Trends* at VTU Regional Office, Bengaluru.
- Prof. Savitha B Patil attended *Project Management Program Primer* conducted on 7th Sep., 2016 at Nimhans Convention Hall, Bengaluru.

- Prof. Akshatha Kamath attended a FDP on Data Science and Analytics held at Jyothi Institute of Technology, Bengaluru.

Toppers



Shamili A. (73.1%) 4th semester **Pooja T.M. (76.1%)** 6th semester **Sneha V. (84.26%)** 8th semester

Department of Information Science & Engineering

- The Department organized a seminar on Career Development Program, for the students of 5th and 7th semester, on 9th Aug., 2016. Mr. Raghavendra R, Senior manager, Graphine Solutions, Bengaluru was invited as speaker.

- The Department organized a Technical session on Competitive Examinations and Higher Studies for 7th semester students, on 25th Aug., 2016. Mr. Bharath Reddy, Manager, VANI Institute of Coaching Academy and Dr. Dasaradh Ramaiah, HOD, Deptaartment of CSE & IT, BVR Institute of Technology, Hyderabad, were invited as resource persons.

- The Department organized a Technical talk on Cloud Computing on 28th Sep., 2016. Mr. Lakshmeesh, Senior Consultant, IBM, Bengaluru was invited as resource person. Students were enlightened about the concepts of Cloud Computing and its utilization by military and research facilities, to perform tens of trillions of computations per second.

- The Department organized a Technical talk on Competitive Examinations and Higher Studies on 28th Oct., 2016 for 7th semester students. Mr. Gurusharan, Business Development Manager, Logiquet, Bengaluru, was invited as resource person.

Papers published

- Prof. Hemalatha K.L., published a paper on Improved spatial rough set fuzzy method of precious noisy segmentation in International Journal of Control theory and applications, Dec., 2016
- Prof. Prema C.R., attended a workshop on Learn to Code at VTU Regional Center, Mysuru during 23th - 24th Oct., 2016
- Prof. Gajendra Prasad K.C., attended FDP on TCS ion pride on 19th Oct, 2016 at TCS, Bengaluru
- Prof. Gajendra Prasad K.C., attended FDP on Project Management Program Primer on 7th Sep., 2016 at Nimhans, Bengaluru

Toppers



Deepa N.C. (73.78 %)
4th semester



Ashwini M. (75.33 %)
6th semester



Shivaranjini A. (84.14 %)
8th semester

Department of Electrical & Electronics Engineering

The Students of EEE department celebrated Engineers' & Teachers' day on 15th Sep., 2016. Principal Dr. A. Manjunatha, was invited as Chief Guest. He spoke about the achievements and contributions of Dr. Sarvepalli Radhakrishnan and Sir M Visvesvaraya, and inspired students to follow their paths in their lives.



The department, in association with Prolific Systems & Technologies Pvt., Ltd., organized a seminar on SCADA & Ebbded Systems on 18th Nov. 2016. Mr. Shivashankar, Managing Director, gave an insight into Automation in industries, Fundamentals of PLC and Programming concepts.



Dr. A. Manjunatha, has submitted a proposal to AICTE under AQIS scheme for financial support to conduct FDP on *Mathematical Modeling and Simulation for Engineering and Technology using MATLAB*.

Another proposal has also been submitted to VGST to conduct FDP on *Emerging Trends on Renewable Energy resources*.

Conference/Workshops Attended

- 1) Prof. Prathibha E., published a paper on *Power quality disturbance generator using lab view* in Journal of IJSDR, vol-1, issue-9. 2016
- 2) Prof. Praveen Kumar C., attended a workshop on *Issues And Challenges In Solar And Wind Power Generation And Utilization* at SIT, Tumkur, from 04th to 07th Jan. 2017.
- 3) Prof. Bharati S. K., and Prof. Sahana S. A., attended workshop on *OP-AMPs and linear ICs* on 23rd Dec. 2016 at M.S.Engineering College, Bengaluru.

Toppers



Ramyashree R. (61.22 %)
4th semester



Akshay K.P. (82 %)
6th semester



Rajath V. (83.20 %)
8th semester

Dept. of Electronics & Communication Engg.

A workshop on Arduino Uno Board was organized on 23rd and 24th Sep., 2016, for the staff and students of 7th Semester. Invited guest of honour and speaker Mr. Sandeep, Director, AB Groups, Bangalore, spoke about the Arduino Uno microcontroller board based on the ATmega328P having 14 digital input/output pins.

The Department organized a workshop on ARM 7 LPC 2148 on 26th and 27th September 2016 for students of 5th Semester. Mr. Sandeep, Director, AB Groups, Bangalore, was invited as speaker. The speaker addressed on ARM 7 LPC 2148, in which ARM7 is one of the widely used micro-controller family in embedded system applications and LPC2148 being widely used IC from ARM-7 family.



Students of the Department celebrated FET – 2016: Fresher's Day, Engineer's Day, and Teacher's Day on 1st Oct. 2016. The day was marked with a number of events for both the teachers and the students.



Ms. Nidhi, Mr. Chethan Hanchate, and Ms. Nikitha R., students from 5th semester of the department, participated in the Quiz competition Bharath Electronics Student Trophy (BEST)-2016, organized by Bharath Electronics Ltd., Bangalore. A mock test on technical, current affairs and reasoning topics were conducted for the participants. The team has been shortlisted in the first round.

Prashanth G., & Dileep C.R., 7th semester students of the department, have secured second place in the National level App/Game Develothon, organized by Department of CSE/ISE, JIT, Bengaluru, and in collaboration with Corona Labs Inc., on 24th Sept. 2016. They scored the opportunity to attend the second round in International level App/Game Develothon, conference at Hyderabad on 10th Nov. 2016.

A program on Aptitude and Personality development was organized for the department students on 4th Oct., 2016. Mr. Bharath Rajanna, Founder & CEO, Edu Pinnacle, Bengaluru, was invited as speaker. His speech was primarily focussed on developing people skills and behavioral and inter personal aspects for any role in an organization.

A seminar on Education in Abroad was organized for the department students on 13th Oct., 2016. Mr. Guruharan B.M., Business Development Manager of M/s Kaplan, was invited as speaker. Students were informed about the various programs and opportunities that can be gained from foreign universities.

Seminar/Workshops/FDP attended by staff

1. Prof. Kiranmayi M., attended FDP on *Recent Trends in power electronics and Drives* from 18th to 20th July 2016 at Sai Vidya Institute of technology, Bangalore.
2. Prof. Nayana Hegde presented her Ph.D., proposal at *IEEE International Conference on Cloud Computing for Emerging Markets* conducted by IBM India, at Bangalore on 21st Oct., 2016.

Prof. Anupama Sindgi presented a paper of her Ph.D., research work in *International conference on current trends in Engineering Science and technology* held at DBIT, Bengaluru, on 5th Dec. 2016.

Prof. Nayana Hegde presented a paper in *International Conference on Computer communication and informatics ICCCI -2017* held at Sri Shakthi Engineering college, Coimbatore, Tamilnadu., on 7th Jan. 2017

Toppers



Suma G. P. (74.2 %)
4th semester



Madhumathi R. (77 %)
6th semester



Sowmya K. M. (84.8 %)
8th semester

Department of Civil Engineering

The department organized a National level technical fest Vastu-2016 on 21st March 2016. Dr. M. U. Ashwath from BIT, Bengaluru, was invited as chief guest of honour and speaker for the event. He addressed on the Future Challenges in Civil Engineering and the roles and responsibilities of a civil engineer in accepting the challenges. Around 150 participants took part in the various technical events like paper presentation, AutoCAD design, Bridge modeling, Concrete moulding and Fastest surveying.



Toppers



Nethra H. J. (75.3 %)
4th semester



Roopashree N. (76.2 %)
6th semester



Pramod Malla (84 %)
8th semester