



Kammavari Sangham 1952  
**K.S.INSTITUTE OF TECHNOLOGY**

(Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi)

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**KSIT**  
K.S. INSTITUTE OF TECHNOLOGY

# CS - GYANBYTES

DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING NEWSLETTER

## DEPARTMENT VISION

To create competent professionals in  
Computer Science and Engineering  
with adequate skills to drive the IT  
industry

## DEPARTMENT MISSION

1. Impart sound technical knowledge and quest for continuous learning.
2. To equip students to furnish Computer Applications for the society through experiential learning and research with professional ethics.
3. Encourage team work through interdisciplinary projects and evolve as leaders with social concerns.

VOLUME 4, DECEMBER 2018

## **PROGRAM EDUCATIONAL OBJECTIVES**

1. PE01: Excel in professional career by acquiring knowledge in cutting edge technology and contribute to the society as an excellent employee or as an entrepreneur in the field of Computer Science & Engineering.
2. PE02: Continuously enhance their knowledge on par with the development in IT industry and pursue higher studies in computer science & engineering.
3. PE03: Exhibit professionalism, cultural awareness, team work, ethics, and effective communication skills with their knowledge in solving social and environmental problems by applying computer technology.



**Sri Ramachandra Naidu**

**President**



**Sri K Venkatesh Naidu**

**Secretary**



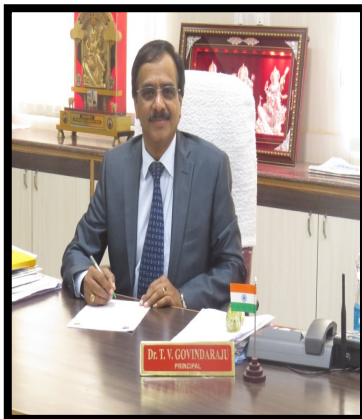
**Sri D Rukmangada**

**Treasurer**



At KSIT, we strongly believe in the overall development of our students with adequate social responsibility and sensitivity. I am very happy that my colleagues in the department of Computer Science and Engineering have been very successful in spotting the talents in our students and harnessing them and enabling our students to learn beyond the syllabus content through experiential learning from various live and ongoing projects that are present in our institution. All their efforts and learning are being showcased in this newsletter “CS-GYANBYTES”. I wish the staff and our talented students the very best in both their professional and personal lives.

**- Dr. K.V.A Balaji**



At KSIT, we offer a holistic educational experience through various innovative teaching approaches. Guided by experienced faculty, you will have the opportunity to work in teams, and resolve problems. By the time you graduate, you will be a confident, resourceful problem-solver and presenter who will be an asset to any organisation. Life on campus is both enriching and exciting. As a KSIT student, you have access to excellent facilities to enhance your capabilities. Broaden your network and enjoy your time in KSIT by participating in Co-Curricular Activities, which span from Interest Groups to Clubs, to nurture your creativity, interests and interpersonal skills. Wishing you all the best.

**—Dr.T V Govindaraju**



The department has well qualified, experienced and committed faculty to provide qualitative, industry tuned education to students with whole-hearted support from the principal and HOD. The department infrastructure fulfils and supports learning skills on the latest technology in the industry. The students are moulded with multi-dimensional skills covering all the required graduate attributes. Every year department releases its newsletter Highlighting academic, Co-curricular activities of staff and students. Information and Communication Technologies (ICT) play key role in socio economic empowerment. The contribution of ICT in eGovernance, citizen centric service and rural development is significant. This convention gives a platform for students, researchers and Industry to exchange information on ICT. I hope this student convention will be joyful, memorable and useful for participants by enhancing your knowledge and network.

**—Dr.Rekha B Venkatapur**

**"If you believe it, achieve it."**

# SENTINEL HACK - 1.0

Department of Computer Science and Engineering, Kammavari Sangham Institute of Technology organized a 24-hour State Level Hackathon, a design sprint-like event on 9th November 2018 and 10th November 2018. This event was a congregation of students from within the state. The aim of this “24 Hour State Level Hackathon – Sentinel Hack” event was to provide a forum for the students to exhibit their coding abilities in seven different domains and come up with their innovative ideas to solve real-world problems. The event was inaugurated by the chief guests and eminent personalities from the sphere of science and technology.

Sri Y Ramachandra Naidu the president of the Kammavari Sangham presided over the function. The chief guests for the day were, Dr. K.N.B. Murthy, Vice-Chancellor, PES University, Sri. Venkatesh Naidu, Hon. Secretary, Sri. D. Rukmangada, Treasurer.

Mr. Anil Kumar T.V., Chief Executive officer, Ameya Group of companies, Dr. Devaraju J.T., Chairman, Dept. of Electronic Science, Bangalore University, Mr. Harish Mysuru, Senior Director –IEEE, India Operations were the guests for the event,

Dr. K.V.A. Balaji, CEO K.S.Group of Institution’s, Dr. T. V. Govindaraju, Principal/Director, KSIT and Dr. Rekha B Venkatapur, Professor and Head, Department of CSE, Prof. K Venkata Rao, Convener were present during the event.

About 54 teams with 189 students from 22 different technical institutions across the state of Karnataka participated in Sentinel Hack - 2018. At the end of 24 hours, the team that had come up with the best project was awarded a cash prize of Twenty Five Thousand Rupees along with some goodies and vouchers.

## Day 1, Session 1:

Hackathon coding started at 12:00PM

Hackathon teams from colleges of Karnataka started coding by selecting their own problem statement is defined domains such as Agriculture, Entertainment, Education, Healthcare, Transportation, Social, and Innovative Ideas to find solutions both in hardware and software fields

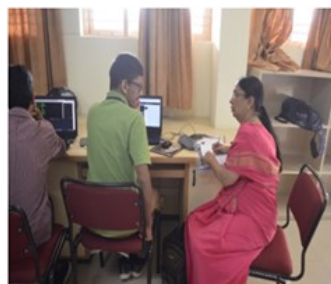


## Day 1, Session 2:

The first round of mentoring session at 3:00PM

Mentor Session is the key in achieving the best results. The teams interacted with mentors to get suitable suggestions to improvise their code. The impact of such valuable information helped the teams in fine-tuning their ideas.

First Mentor Session was carried out in parallel by Dr. Rekha.B.Venkatapur, Professor and HOD, Department of CSE, KSIT, Dr. Ram P. Rustagi, Professor, Department. of CSE, KSIT, and Dr. Joy Prabhakaran, Professor, Department. of ECE, KSIT who provided valuable suggestions for teams



“When you experience it, you remember it.”

# SENTINEL HACK - 1.0

## Day 1, Session 3:

Round one Evaluation by the judges

Mr. Anil Kumar T.V., Chief Executive Officer, Ameya Group of Companies.

Mr. Pradeep Yadav, CTO, CIOC.

Mr. Vijay Kulkarni, Senior Engineer, Thermofisher Scientific.

Judges keenly reviewed the demo and presentations given by the students and provided the inputs to focus more on the objectives and problem statements.



## Day 2, Session 1:

Yoga session

Yoga Session was conducted by the Isha Foundation, Bengaluru at 5.30 am which helped the participants to relieve stress and regain energy to continue coding from yogic science

## Day 2, Session 2:

Second round of mentoring at 3:00AM

The industry experts from Tequed Labs also joined the mentors and gave the teams a few suggestions that helped them understand the technical aspects as per industry needs.

The students found this session to be very helpful and informational.



## Day 2, Session 3:

Second Mentor Session was further refined by T. V Govindaraju, Principal/ Director, K.S.I.T who was involved in discussions with team members and got to know about their approach towards the problem statements.

He interacted with a few of the teams and offered advice on their projects. The students found this immensely helpful.



## Day 2, Session 4:

Round two Evaluation by the Judges at 10.30 am

Mr. Anil Kumar T.V., Chief Executive Officer, Ameya Group of Companies.

Mr. Niloy Ray, Deputy General Manager, Mercedes-Benz, Research and development.

Mr. Ranjan Balappa, Full Stack Developer, Garmener.

Judges extremely praised some of the teams for their innovative ideas and encouraged them for further development of a prototype to the product with an edge to the research paradigm.



"Work hard and you will succeed."

# SENTINEL HACK - 1.0

## Day 2, Session 5:

### Results

Based on the evaluation of round 1 and round 2 scores, eight teams were shortlisted by Judges. Among the shortlisted teams, the following teams secured the highest score. The team TENOCRATS from BNMIT secured first place and won themselves a cash prize of Rs. 25,000/-. The team CIFRADO from SJBIT stood second with a cash prize of Rs. 10,000/- and team FUNGUS BOYS from JIT got third place with a cash prize of Rs.5000/-.



Along with these, five consolation prizes were also announced for shortlisted teams.

*"We only regret the chances we never take."*

# SENTINEL HACK - 1.0



"We only regret the chances we never take."

# PROFESSIONAL BODIES-CSI

## Technical Talk on “Artificial Intelligence”

The speaker, Dr. G. T. Raju, Vice Principal and HOD, RNSIT delivered a Technical Talk on “Artificial Intelligence” on 17th November 2018, for 5th semester students under the CSI student chapter.



- o Explore various AI problems.
- o Understand various techniques to solve AI problems.
- o Categorize problems according to characteristics.
- o Gaining knowledge about how to program computers like a human.
- o Learning various representations of AI problems.
- o Learning through animated videos of solving different AI problems like water jug problem, missionaries, and cannibal problem, tic tac toe problem.

## DBMS Workshop

A two-day workshop on Database Management System was organized by Dr. Rekha B Venkatapur, Prof. K Venkata Rao, Prof. Sougandhika Narayan, Prof. Roopesh Kumar B N, Prof. Pradeep Kumar G H, Prof. Kumar K and Prof. Swathi K for 5th semester students on 22nd and 23rd October 2018. The speakers of this event were Prof. Sougandhika Narayan, Prof. Pradeep Kumar G. H, Prof. Kumar. K, Department of CSE under CSI Student Chapter.



The gist of the event: The students were trained to create and use databases and modify and alter them respectively.

The workshop included:

Fundamental HTML Tags which is mainly used for the front end of the project.

Protocol standards set by the W3C.

The most essential concepts of connecting the front end to the back end and to make the information available to the user by retrieving the database.



“It won't go right until you make it go.”



# PROFESSIONAL BODIES-CSI

## Workshop on “Data Science and Analytics”

One-day workshop on Data Science and Analytics was conducted on 23<sup>rd</sup> September 2018, for 5th semester students under the CSI Student chapter. The speaker of the event was Mr. Fazeel, Software Developer, Digits Technology Tutor, IIHT, Bangalore.

The sessions included :

- Introduction to Python
- Downloading and installing
- Spyder software used as IDE for Python
- Sessions on Data Science and Analytics
- Explanations of Data Statistics
- A brief explanation of Machine Learning



## Technical talk on “IBM Analytics, Digital Marketing, Data Science and Machine Learning

The CSI Student Chapter organized a technical talk on “IBM Analytics, Digital Marketing, Data Science Analysis and Machine Learning” for 5th semester students on 23<sup>rd</sup> August 2018. The speakers of this talk were Mr. Vivekakanda and Mr. Roopesh of Vision Digital India of Imperial Group.



# PROFESSIONAL BODIES -BITES/IEI/ISTE

1. Two days' workshop on "VMware Virtualization and Cloud Essentials" was organized for 5th semester A section students on 13<sup>th</sup> and 14<sup>th</sup> November, 2018 in association with BITES and CSI in online lab. The resource people of this talk were Mr. Sudarshan, Business Consultant, LDS Info Tech, Mr. Mayank Srivatsava, Partner Manager, VMware, India and Mr. Naresh Babu, VMware Certified Instructor L2, IT Consultant and CEO.



2. Guest Lecture on "STARTUP ENGINEERING" was organized for 5th semester students on 7<sup>th</sup> September, 2018 in association with BITES at Conference Hall. The speaker of this lecture was Prof. Nagabhushan A M, Professor of Department of CSE, MSRIT, Bangalore. Speaker defined Start-up as – a business that grows rapidly, Concept of check boxing, Getting something to work well enough for people to buy, Not a pure academic exercise, Also, doesn't assume infinite customers. Start-ups in the past were like – oil, steel, pharmaceuticals, automobiles. Start-ups in present are– Semiconductors, Electronics, Computers, Internet, Mobile, and Social Network. Speaker explained the Influencing Factors of startup such as Technological development, Breakup of USSR – Huge market, Liberalization of China/India and other countries.



3. A seminar on "Higher Education Options After Graduation" was organized for 7th semester students on 11th October, 2018 under the banner of IEI at conference hall. The speaker of the seminar was Mr. Krishna Pratap Reddy, Senior Faculty Quality, TIME, Bangalore.



4. Guest Lecture on "Awareness on Digital Marketing" was organized for 3rd semester students on 15th October, 2018 under the banner of ISTE at conference hall. The speaker for this lecture was Ms. Anjali Mehta, Academic Director, PAAGC Digital Web Academy, Bangalore. The speaker guided the students on how Digital Marketing can help them in placements and become an Entrepreneur. The seminar was really informative for the students to acquire knowledge on Digital Marketing. We appreciate and thank you for your effort in helping students to acquire skills required for building their successful career.



# EVENTS ATTENDED—FACULTY

- Dr. Dayananda R B, attended a National Symposium on “The Internationalization of Higher education” at Dr. AIT, Bangalore on 18<sup>th</sup> December 2018.
- Dr. Rekha B Venkatapur attended a seminar on, BITES Annual Convention at B M S College of Engineering on 23<sup>rd</sup> & 24<sup>th</sup> November 2018.
- Ms. Sangeetha.V participated in a Two-day Workshop on “VMware Virtualization and Cloud Essentials” at K.S.Institute of Technology, Bengaluru on 13<sup>th</sup> and 14<sup>th</sup> November 2018.
- Dr. Dayananda R B, attended a International Conference in Global Research Academy, Hyderabad, Telangana on 10<sup>th</sup> November 2018.
- Ms. P. Priyanga , Mr. Pradeep K R attended a one-day workshop on VMware Academic Initiatives, CSI Chapter, VMware, Bangalore on 3<sup>rd</sup> October 2018.
- Mrs. Ranjitha K N attended two days’ FDP on “Microsoft Azure and Cognitive services” (Sponsored by Microsoft) at JSS Academy of Technology, Bengaluru from 28<sup>th</sup> to 29<sup>th</sup> September 2018.
- Ms. Sangeetha.V , Ms. P. Priyanga attended a one day workshop on “Women Rock - IT”, Department of CSE, Christ University, Bangalore, 25<sup>th</sup> September 2018.
- Dr. Rekha B Venkatapur attended a conference on “ITC-2018” at Nimhans Convention Hall on 5<sup>th</sup> and 6<sup>th</sup> September, 2018.
- Mr. Aditya Pai. H attended Faculty Development Program on “Web Technologies and its applications”, Organized by SJBIT held from 16<sup>th</sup> to 18<sup>th</sup> August 2018.
- Dr. Rekha B Venkatapur and Mr. K Venkata Rao attended a VTU Workshop on the “ New model curriculum for PG course-M.Tech CBCS detailed syllabus (2018-19)” at BNMIT on 6<sup>th</sup> August 2018.
- Mrs. Vaneetha M attended a six days FDP on “ Machine Learning” from 9<sup>th</sup> July to 14<sup>th</sup> July 2018 at SJBIT, Bangalore.
- Ms. Swathi K attended a two-day workshop on National Symposium 2018 - “Data Science and Statistics – Trends and Challenges” at JSS Academy of Technical Education, Bengaluru on 4<sup>th</sup> & 5<sup>th</sup> July 2018.
- Dr. Dayanamd R B attended a one-week FDP on "Happiness Program" at Art of Living, Bangalore, July 2018.
- Dr. Dayananda R B attended a seminar on “NIRF and other Rankings” at PES University in June 2018.
- Dr. Rekha B Venkatapur, Mr. Pradeep K R, Mr. Pradeep Kumar G H and Ms. Swathi K attended a KSCST Project Seminar and Exhibition Programme at Jyothy Institute of Technology, Bengaluru on 19<sup>th</sup> May 2018.
- Dr. Dayananda R B, attended a seminar on “Internship and technologies” at Ramaiah University in May 2018.
- Ms. Sougandhika Narayan attended a workshop on “ Java Fundamentals” organized by Oracle Academy, KSSEM, Bangalore from 20<sup>th</sup> – 27<sup>th</sup> April 2018.

## JOURNALS-FACULTY

- Dr. Ram P Rustagi, et.al "Understanding TCP Connection State - Part I", ACCS Journal on Advanced Computing and Communications, International Journal, Vol 02, Issue 04, December 2018.
- Mrs. Sangeetha.V, “Probabilistic Framework for assessing the threat level using novel Decision Constructs in Mobile Adhoc Network.” International Journal of Network Security (IJNS), Volume 20, Issue 6, pp.1085-1092, November 2018.
- Mrs. P. Priyanga, “Cluster-Based Deep Neural Network (C-DNN) approach to Detect Heart Disease” Journal of Web Engineering(JWE), Indexed by Scopus, ISI, EI, Published by Rinton Press, USA, Vol. 17, No.6, ISSN: 1540-9589, pp-3042-3059. October 2018.
- Mr. Aditya Pai H, et.al., “Need for Improvement in Software Processes in SMEs”, International Journal of Management, IT & Engineering, Vol. 8, Iss. 10(1), October 2018.

# JOURNALS—FACULTY

- Mr. Aditya Pai H, et.al., "Failure Mode Effective Analysis for Software Processes", International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Vol.8, Iss. 10, October. 2018.
- Mrs. Swathi K, International Journal of Advancement of Computer Technology and its Applications, Paper titled "Frequency Distribution for Software Defect Prediction" Volume 1, Issue 3, PP: 19-22, HBRP Publication, September 2018.
- Mrs. Swathi K, International Journal of Recent Trends in Information Technology and its Applications, Paper titled "Analysis of Variance Carried Out For Software Defect Prediction" Volume 1, Issue 3, PP: 15-18, HBRP Publication, September 2018.
- Mrs. Swathi K, International Journal of Advancement in Software Engineering and Testing, Paper titled "Chi-Square Test for Software Defect Prediction" Volume 1, Issue 3, PP: 8-11, HBRP Publication, September 2018.
- Mrs. Swathi K, International Journal of Advancement in Software Engineering and Testing, Paper titled "Factor Analysis in Software Defect Prediction" Volume 1, Issue 3, PP: 1-7, HBRP Publication, September 2018.
- Dr. Ram P Rustagi, et.al "Understanding basics of Transport Layer", ACCS Journal on Advanced Computing and Communications, International Journal, Vol 02, Issue 03, September 2018.
- Mrs. P. Priyanga, et.al, "Analysis of Machine Learning Algorithms in Health Care to Predict Heart Disease", International Journal of Healthcare Information Systems and Informatics (IJHISI), Indexed by United States, Web of Science, Scopus, Google Scholar, Journal-TOCs, ACM Digital Library, INSPEC, DBLP, Volume 13, Issue 4, September 2018.
- Mrs. Deepa. S. R., Journal Name: "Springer CCIS", Title: "Cluster Optimization in Wireless Sensor Networks Using Particle Swarm Optimization," International Journal, Scopus Index, Web of Sciences, Volume & No 836, Page Number: 240-253, August 2018.
- Dr. Ram P Rustagi, National Publication on "Experiential Learning Approach in Computer Science", BITES Newsletter, August 2018.
- Dr. Ram P Rustagi, et.al "Understanding Web Security", ACCS Journal on Advanced Computing and Communications, International Journal, Vol 02, Issue 02, June 2018.
- Dr. Rekha B Venkatapur, "Therobot an artificial intelligence therapist at your fingerprints", ISOR Journal of Computer Science(IOSR-JCE), e-ISSN:2272-0061, p-ISSN:2272-8727, Vol 20, Issue 3, Ver 1, pp 34-38, May- June 2018.
- Mrs. Sangeetha.V, "Survey on Automatic Solar Tracking System", International Journal of Innovations in Engineering and Science, ISSN:2456-3463, Vol 3, Issue 5, Page 67-69, April 2018.
- Mrs. Sangeetha.V, "Detecting Malicious Data Fidget", International Journal of Innovations in Engineering and Science, ISSN:2456-3463, Vol 3, Issue 5, Page 25-29, April 2018.
- Mrs. Vaneetha M "Survey on Brain Tumor Detection and Classification", International Journal for Research in Technological Studies, ISSN (online) 2348-1439, April 2018.
- Mrs. Vaneetha M "Survey on Smart Home Automation" Vaneeta Met.al, International Journal for Innovations in Engineering and Science, ISSN(Online): 2456-3463, April 2018.
- Dr. Rekha B Venkatapur, Electronic Voting Machine based on Blockchain Technology and Aadhaar Verification IJARIT, International Journal of Advanced Research, Ideas and Innovations in Technology, ISSN: 2454-132X, Vol 4, Issue 2, pp 1177-1182, 2018.
- Dr. Ram P Rustagi, et.al " Placement of Relay Stations in WiMAX Network using Glowworm Swarm Optimization", International Journal of Applied Metaheuristic Computing (IJAMC) 10 (3), pp 39-67, 2018.

# WORKSHOPS/FDPs/LECTURES CONDUCTED BY FACULTY

- Mr. Pradeep K R conducted a one-day workshop on Machine Learning at East West Institute of Technology, Bangalore on 23rd November 2018.
- Mr. Pradeep K R delivered a Guest Lecture on Machine Learning Techniques at East West College of Engineering, Yelahanka, Bangalore on 15th November 2018.
- Mr. Aditya Pai. H delivered a guest lecture on "Web Technologies and its recent applications" at East West College of Engineering, Yelahanka, Bangalore on 23rd October 2018.
- Dr. Ram P Rustagi conducted the BITES sponsored FDP workshop on "Experiential learning of HTTP Protocol", BMS College of Engineering, Bangalore on September 27, 2018.
- Dr. Ram P Rustagi delivered a guest lecture on "Man In The Middle Attack" at M S Ramaiah Institute of Technology, Bangalore, on 23rd August 2018.
- Dr. Ram P Rustagi conducted an IEEE sponsored FDP workshop on "HTTP Basics and protocol features, Transport layer basics, and Web Security", Dr. B R Ambedkar Institute of Technology, Port Blair from July 27-29, 2018.
- Dr. Ram P Rustagi conducted an IEEE sponsored FDP workshop on "Basics of Network Layer, and Web Security", National Institute of Technology, Agartala from July 17-18, 2018.
- Dr. Ram P Rustagi conducted an IEEE sponsored FDP workshop on "Basics of Network/Transport Layer, HTTP Protocol, and Web Security", Shri Mata Vaishno Devi University, Jammu from July 03-06, 2018.
- Dr. Ram P Rustagi conducted an IEEE sponsored FDP workshop on "Basics of Networking, Socket Programming, and Web Security", Dr. Ambedkar Institute of Technology, Bangalore from June 27-29, 2018.
- Mr. Aditya Pai. H delivered a guest lecture on "Software Engineering and latest software processes" at East West College of Engineering, Yelahanka, Bangalore on 11th April 2018.
- Dr. Ram P Rustagi delivered a guest lecture on "Networking: Past, Present, and Future" at Dayanand Sagar College of Engineering, Bangalore, on 20th April 2018.
- Dr. Ram P Rustagi conducted the BITES sponsored FDP workshop on "Experiential learning of HTTP and Transport Layer basics", KS Institute of Technology, Bangalore on April 02-03, 2018.

## TEXTBOOK—FACULTY

Mr. Aditya Pai H, et.al "Research on Web Portal for Managing Research and Development", Lambert Publishing, 2018.

Ms. Swathi K, et.al " Reduction of Cycle Time by Implementing Value Stream Mapping", 978-613 - 4 - 99918 - 2, Lambert Publications, Germany, 2018.

## ELECTIVE AWARENESS PROGRAM 2018

Dr. Rekha B Venkatapur, Dr. Ram P Rustagi, Dr. Dayananda R B, Prof. K Venkata Rao, Prof. Priyanga P, Prof. Pradeep K R, Prof. Beena, Prof. Ashwini conducted Elective Awareness Program for CBCS - Professional Elective subjects of 8th semester and 6th semester on 20th November 2018 and 27th November 2018.



# ACHIEVEMENTS—FACULTY

- Dr. Ram P Rustagi, Member, Board of Directors, Netzoom Inc, Chicago, IL, USA. Period Jan 2018-Dec 2018.
- Dr. Ram P Rustagi, Conference Paper Review for 9th IEEE International Conference on "Advanced Networks and Telecommunication Systems" on December 2018, Indore, India.
- Dr. Ram P Rustagi, External Subject Matter Expert for faculty promotion and selection, CSE Dept, BMS College of Engineering, Feb/July 2018.
- Dr. Ram P Rustagi, Consultancy services to PayTM, Noida, India starting from March 2018. The consultancy involved the review of network design, implementation, performance analysis, and application development.
- Dr. Ram P Rustagi, Conference Paper Review (TPC member) and Session Chair at 24th International conference on "Advanced Computing and Communications", IIIT Bangalore, September 2018.

# 100% RESULTS—FACULTY

- Dr. Rekha B Venkatapur for System Modeling and Simulation (10CS82).
- Mr. K Venkata Rao for Operations Research (15CS653).
- Mrs. Vaneeta M for Operating Systems (15CS64).
- Mrs. Sangeetha V for Cryptography, Network Security and Cyber Law (15CS61).
- Mrs. Sougandhika Narayan for Information and Network Security (15CS743).
- Mrs. Swathi K for Cryptography, Network Security and Cyber Law (15CS61).



Dr. Rekha B Venkatapur  
Prof & HOD



Mr. K. Venkata Rao  
Associate Professor



Mrs. Vaneeta M  
Associate Professor



Mrs. Sangeetha V  
Associate Professor



Mrs. Sougandhika Narayan  
Assistant Professor



Mrs. Swathi K  
Assistant Professor

# ACHIEVEMENTS—STUDENTS

## SINGAPORE-INDIA HACKATHON 2018

The success of the Smart India Hackathon initiative gained a new dimension when Hon'ble Prime Minister of India, Shri. Narendra Modi announced for the first time ever Singapore - India Hackathon 2018 (a joint hackathon between India and Singapore). On 12 - 14 November 2018, MHRD Innovation Cell (MIC) along with All India Council for Technical Education (AICTE) and Nanyang Technological University, Singapore (NTU Singapore) jointly organised first Singapore - India Hackathon, a fast-paced 36-hour competition to develop creative and innovative solutions focused on the theme "Smart Campus". The hackathon had 20 teams of three university students each from India and Singapore. Teams with the most innovative solutions presented with \$10,000, while the second and third prize-winners won \$6,000 and \$4,000 each. We are very proud to mention that three students of our college, Abhishek M, Apoorva V, Adithya Kumar N S were selected for this Singapore-India Hackathon. Our students built an application which was like a collaborative tool for students across campus. They tried to tackle other problem statements as well as personal safety, a digital wallet for ID cards. In the first round of judgment, every team was supposed to give a 15-20 minute presentation and demonstration to a room of judges. After this, the judges shortlisted the top 5 from India and 5 from Singapore. These teams were given an opportunity to demonstrate their product in front of the audience. It also gives us immense pleasure to state that our students made it up to the top five teams that were shortlisted.



"There are endless possibilities and scenarios, choose yours and work for it."

# ACHIEVEMENTS—STUDENTS

## VTU RANK HOLDERS

- **CHAITRA.R**

USN - 1KS14CS029

Secured 7th Rank in VTU and she also received Sir. P V Kumarswamy Memorial Gold Medal.



- **MAANASA NARAYAN**

USN - 1KS14CS051

Secured 10th Rank in VTU.



## TOPPERS



MAANASA NARAYAN, USN - 1KS14CS051  
1st place in 8th semester, 87.20%.



CHAITRA R, USN - 1KS14CS029  
2nd place in 8th semester, 85.73%



APOORVA.V, USN - 1KS15CS010,  
1st place in the 6th semester, 83.5%.



RABIYA FARHEEN, USN - 1KS15CS075  
2nd place in 6th semester, 81.75%.



# ACHIEVEMENTS—STUDENTS



SANDHYA D, USN - 1KS16CS083,  
1st place in the 4th semester, 84.75%



SOUMYA DATTATREYA HEGDE, USN 1KS16CS100,  
2nd place in the 4th semester, 81.87%..



SPOORTHI R, USN-1KS17CS081,  
1st place in 2nd semester, SGPA - 9.83.



POOJA R, USN-1KS17CS055,  
2nd place in 2nd semester, SGPA - 9.5

## INDUSTRIAL VISIT

### ICAT, BENGALURU

ICAT is a media and design college, which provides courses like Game Design & Development for Mobile, Console, PC & Internet Platforms. UI (User Interface)/ UX (User Experience)/ App Development. Computer Graphics & Animation. The institution is in different parts of the country. Animation these days have created job opportunities for many youths. Thus the visit was an opportunity for the final years as a career alternative after their graduation. This Industrial Visit was arranged on 12th October 2018. A total of 70 students from 7<sup>th</sup> Semester CSE participated in the event. The industrial visit was accompanied by Mr. Aditya Pai H – industrial visit coordinator - CSE. The sessions and seminars for the visited students were conducted by Mr. Jayakrishnan C P – Executive, Institutional Relations, ICAT Design & Media College. The event was highly beneficial as the students were able to pick up minute details about technical aspects that weren't made available in the past.





# ALUMNI INTERVIEW



**Ms. Shri Raksha N**

Developer Associate,  
SAP Labs, India,  
Bangalore

## **Best Outgoing Student of KSIT,2017**

### **1.What is Scholar@SAP and how does it benefit the students?**

Scholar@SAP program gives an opportunity to earn while you learn. In the tenure of 2 years, you get to work with 3 different teams under the rotation program while pursuing MTech in Software Engineering by BITS, Pilani under WILP.

### **2.Tell us more about your role at SAP and the work culture.**

I currently am a Developer at SAP and I work on SAP's proprietary frontend technology UI5. Talking about the work culture at SAP, it has been ranked No.1 as the Great Place to Work consecutively twice in a row.I feel lucky enough to have started my career with SAP.Being an ocean of opportunities, it has helped me grow both personally as well as professionally.

### **3.How has KSIT helped you shape your career?**

Be it participating in Smart India Hackathon or various technical workshops, has helped me present myself more confidently on my work-front. Also having been a part of most of the events at KSIT has instilled leadership qualities in me which surely will take me a long way. It also gives me immense pleasure to receive the "Best Outgoing Student of KSIT, 2017" award which as given to me by my beloved college.

### **4.What would you tell the aspiring engineers of our college?**

As the saying goes " Dream Big, Start Small", never stop aiming high, do remember to start progressing towards achieving your goals however small the initial steps be.

**"Never stop believing in yourself."**



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