



InTELEgencia

Newsletter Volume: Two | September 29, 2018.

College

Vision:

To impart quality technical education with ethical values, employable skills and research to achieve excellence.

Mission:

- To attract and retain highly qualified, experienced and committed faculty.
- To create relevant infrastructure.
- Network with industry and premier institutions to encourage emergence of new ideas by providing research and development facilities to achieve excellence.
- To inculcate the professional and ethical values among young students with employable skills and knowledge acquired to transform the society.

Department

Vision:

To bestow quality education in Telecommunication Engineering endowed with human values to secure a better connected society.

Mission:

- To provide effective pedagogy for building and realizing the required knowledge and skills that constitute a telecom professional.
- To impart learning through innovations and team work with ethical values.
- To instill the quest for continuous learning and enhancing their communication skills through professional bodies and clubs.

Principal's words



Dear Staff and Students,

I record and congratulate the entire department of telecommunication for emphasizing the second edition of their newsletter. This newsletter proclaims and projects on the latest Technologies and real world applications and opportunities in the communication field. It also subsumes the view of alumni on Telecom field, journey of budding entrepreneurs, alumni stars' achievements in non-technical fields, accomplishment of staff and students in curricular and extra-curricular activities. Institute emboldens the staff to keep the exemplary work ongoing.

I would like to commend the efforts of the newsletter team for credentials of every accomplishment of the department during the academic year 2017-18. I wish the department a great success in their endeavours.

- Dr. T. V. Govindaraju

HOD's words



Dear all,

Success is the result of perfection, hard-work, learning from failure, loyalty and persistence. Every success is usually an admission ticket to a new set of decisions. The strength of the department is our human resource, technical staff and enthusiastic students. The Department motivates the students to learn and develop skills for the budding engineers.

For me this is the time to put spotlight on the hat-trick year of 100% result for the final year students and to re-focus on goals that remain to be accomplished.

I would like to appreciate the work and congratulate all students for participating and winning in various activities. Best wishes for the academic year 2018-19.

- Ms. Chanda. V. Reddy

"Education is the movement from darkness to light"

Story of Budding Entrepreneurs

It all started right here at KSIT in the 7th Sem when we were supposed to do a whole project based on a subject with the least knowledge provided during the last three academic years. We had the idea of building a robotic arm that imitates human hand, we approached many institutes with the idea hoping they would help, but we were turned down by every one of them and were just asked to buy a random project that was already prepared. This was disappointing to our team because we had the idea and just wanted a little guidance which we never received. But that didn't stop us, we continued on by doing our own research and were able to do the project all by ourselves. Knowing what we did couple of our friends approached us with their projects asking for our help in making few changes because the institutes they had purchased the project from were not willing to do any changes as they were done after having sold their product and my friends lacked the knowledge. And at this point it occurred to us that the engineering students needed a proper mentoring so in the future they are capable of what a real engineer has to be.



We started doing projects for KSIT and City college, twenty-five of them. That's how it began for "**INVERSA TECHNOOSOFT**". When students approached us for a project initially we gave them subject knowledge and trained them, and we even provided them workspace to work on their project, we were there if they wanted any assistance. In the end they were able to understand and do the project by themselves. We were having tough time handling these projects, you just started a company and already you have twenty clients. We didn't have enough Human Resource, we were just five of us. And just as we had learnt to manage things there was a new problem. Financially we were going down, and we had to face many other problems and at each stage either of us would lose confidence in holding up the company and this lead us to despair, but we stuck together motivated one another and moved forward. Starting out with projects and later organizing workshops on embedded systems, what we are trying to do here is along with the academic knowledge they already have we are upgrading the students with certain skill. Because when it comes to real world It's not just the knowledge of it but about the skill of it. And today we are in our second year starting our second Phase. We have two new products, and we are waiting for the crowd-funding.

We are growing, and won't stop.

Alumni Stars

We-Chitra is an artistic, social and cultural team which was started in 2017. The name We-Chitra depicts two meanings :

- **We** - represents the team members
- **Chitra**- movies
- **We-Chitra** - the ideas and work from the team is Vichitra which means crazy and creative.



The root cause for the formation of this team was the cultural fest in our college which helped us spot our artistry and made us realise that each of us were good at something which included Dance, Script writing, Music composition, Editing, Acting and Singing. The Appreciation, Support and compliments which we received from the Telecom Department and the College due to the success of the fest motivated us to take it to the next level as a team. On forming a team we got an opportunity to work with an emerging theatre group, where we performed shows which helped us to gain a fair amount of learning and experience. However, with this opportunity we were only able to reach to a specific audience. That is when we started dreaming and wanted our work and ideas to reach to a larger group and hence we came up with a YouTube channel - "**We-Chitra**". Once we started working as a group we realised that although we had an experience in the theatre background, movie making was a different challenge altogether. Even though by profession we are all Engineers, we are all focussed on our passion which is "**Movie Making**". We also believe as young youth we have an ardent responsibility to work for a social cause. This is why we took up an initiative to collect funds for the needy in the recent Kodagu catastrophe. Also recently a few like minded individuals from the Mechanical Department of our college have also joined us on this adventure!.

Our message to the juniors in our college is that it's important to identify a unique passion within yourselves and work on it during the course of college life along with the day to day activities. I would like to thank our Department and College for giving us an opportunity to share our thoughts.

"You have to dream before your dreams can come true"

My Experience in KSIT



I was on my way to work when I got the call from my teacher and when she asked me to write about my experience at KSIT. I was very excited and proud. KSIT has not just been an academic journey for me but rather a spiritual one. Being a part of the Telecommunication department is something i will always cherish in my life.

There are certain moments in life which a person cannot forget and my time at KSIT was full of such moments. I still remember the day I stepped into college without knowing why I joined engineering or what I would do with my life. To be honest, on the first day , i never expected myself to fall in love with the place as much as i eventually did.

The first two semesters dint go as planned as I failed in multiple subjects. It only got more scary stepping into the department as I was informed that the subjects part of the 3rd and 4th semesters were very tough. We were to realise the extent of toughness only as we experienced it. Almost every topic taught to us went tangential to our heads and we couldn't understand most of it and such were the nature of these subjects.

But what most of us fail to realize is how important these subjects actually are . Those subjects that are considered to be difficult to understand are the ones that are extensively used in the real world out there. Only when you understand the applications of these subjects will you start appreciating the concepts part of it.

The Encouragement

When I first stepped into our department I felt there was a lack of platforms to indulge ourselves in and we could also see people who were extremely talented but who would just sit in class just because there wasn't any platform for them to showcase their talents. When we finally reached our final semester we made it a point to change this and we came up something called as "Telecom Engineers Forum".

The sole reason behind establishing the forum was to keep ourselves updated with latest scientific improvements and as a part of a technical institution I believe we are under an obligation to do so.It is believed that the as of today the amount of inventions per

minute is north of 10. So by the time you read this there would have been 100 new inventions and by this I would want to stress on the fact how important it is to learn new technologies, Learn about science and various other things.

We never believed that we would receive the kind of encouragement we received when we went with the proposal to establish the forum. One common belief that's around the Telecommunication Department is how Strict our HOD is but to be honest if we have done something worthwhile in the college it is because of her and Dr. Manju V C. Every single event she would personally come and help us out with the preparation and she would always tell us to make sure the event succeeded and both of them would make no compromise in making sure the event went smooth.

We conducted two Techno Cultural Events, One workshop on Artificial Intelligence and various other technical talks on topics varying from AI to Blockchain. There is another group of beautiful people who made sure these events were successful and they are the Non-Teaching staff. Irrespective of who you are or where you come from or how much you score in your exams these people will always be there for you rock solid to support you in anything you do unconditionally.

What you have to do?

Irrespective of which semester you study in you should make it a point that you know what's happening in the world around you that doesn't have to be Tech it can be Politics, Government Policies, Scientific Discoveries, Economic Growth of the country and the list will go on and on. This habit will take you to places. One more thing what college won't tell you is how there is a sudden shift in market today. Companies wouldn't want hire you just because you know 10 programming languages and as far as what I have noticed you've got to be innovative in your thinking and you've got to be very fast in grasping things or you would get left behind in the herd.

If you are in your 2nd or 3rd year of your Engineering it's high time you start publishing scientific papers and start working on Mini-Projects and with the market shift the hiring process has changed too. Companies no longer want people with 70+% or some with a gold medal from the university. They want people who have can innovatively solve the real world problems using the technology. If you have a very good idea there are organizations that will fund your projects too.

Lastly I would want to thank the Newsletter team and Professor Rekha N for giving me a chance to share my experience on the Department Newsletter.

- Mohit H B (2017 batch)

“We hope the world will act in the spirit of enlightened self-interest”

Events Conducted

- **Telecom Engineers Forum** was inaugurated on **21st Aug 2017** by **Mr. Santosh Kumar**, Director, Global Partner, VM Ware and by **Dr. T V Govindaraju**, Principal, KSIT, Bangalore.
- A Technical talk on “**Artificial Intelligence and its applications**” was presented by **Mr. Santosh Kumar**, Director, Global Partner, VM Ware on **21st Aug 2017**.
- **Vanquish-2K17** was organized on **9th Sept 2017** and was a tribute to the former chairman of ISRO, **Prof. U. R. Rao**. The event was presided over and addressed by an eminent chief guest **Mr. W V Eswaraprakash**, Director, Mission Development, ISRO, Bangalore.
- A Guest lecture on “**Applications of Electromagnetic Field Theory**” on **26th Sep 2017** by **Dr. Chaitanya Kumar M V**, Prinicpal, HKBK College of Engineering, Bangalore.
- A Seminar on “**5S - Student, Stress, Substance, Suicide and Success**” was presented by **Dr. E Aravind Raj**, Assoc. Prof., Department of Psychiatric Social Work, NIMHANS, Bangalore on **9th Oct 2017**.
- A Workshop on “**Embedded IoT**” was conducted by **Inversa Technosoft Pvt. Ltd.** in association with **IETE** from **12th to 14th Oct 2017**.
- A 2-day Workshop on “**Embedded System with MSP 430**” in association with **Jyoti embedded labs** was conducted on **9th and 10th Feb 2018**.
- A Guest lecture on “**Business trends in IoT**” on **12th Feb 2018** by **Mr. Bipin R R**, CEO, iOrbit Digital Technologies.
- An “**Intro-Arduino**” Workshop was conducted by **Inversa Technosoft Pvt. Ltd.** in association with **IETE** on **15th and 16th Feb 2018**.
- A Seminar on “**Excellence in action**” was conducted by **Mr. Partha Sarthy Patel** on **17th Feb 2018**.
- Technical talk on “**Introduction and insights on Blockchain**” on **19th Feb 2018**.
- A Guest lecture on “**Robotics and Artificial Intelligence**” was delivered by **Dr. T C Manjunath**, Professor, HOD Electronics and Communication, Dayananda Sagar College of Engineering, Bangalore on **9th March 2018**.
- A Seminar on “**An influential perspective on career growth**” was conducted by **Mr. Vikas Nag P** and **Mr. Sathya Pramod Bhat. M N**, Alumni, TCE Department on **2nd Aug 2018**.
- A Workshop on “**Creating chat bots using Artificial Intelligence**” was conducted on **10th and 11th April. 2018**.



Did you know?



Attal Bihari Vajpayee is known as the “Father of Modern Telecom” in India.

International Journals

- ◆ **Dr.Manju V C**, Prof., published a paper entitled “**Surveying and Calculation of a Given Area using a Quad-copter**” in International Journal on Future Revolution in Computer Science & Communication Engineering,2018, Volume: 4 Issue: 6 95 – 97 , ISSN: 2454-4248.
- ◆ **Mr. K Senthil Babu**, Assoc. Prof., published a paper entitled “**Calibration of MQ-7 and Detection of Hazardous Carbon Mono-oxide Concentration in Test Canister**” in IJARIT,2018, ISSN: 2454-132X.
- ◆ **Mr. K Senthil Babu**, Assoc. Prof., published a paper entitled “**Hazardous gas detection and alarming system (hgdas) to prevent human casualties**” in IJRSR, 2018, ISSN: 0976-3031.
- ◆ **Ms. Rekha N**, Assoc. Prof., published a paper entitled “**Novel Technique for Comprehensive Noise Identification and Cancellation in GSM Signal**” in IJECE,2018, ISSN: 2088-8708.
- ◆ **Ms. Srividya R**, Asst. Prof., published a paper entitled “**Analysis of Impregnable MANET routing Protocols**” in IJRECE, 2018, ISSN: 2348-2281.

International Conferences

- ◆ **Ms. Chanda V Reddy**, Assoc. Prof. &Head, published a paper entitled “**Relaxed Greedy-Based Approach for Enhancing of Resource Allocation for Future Cellular Network**” in Proceedings of 7th Computer Science On-Line Conference 2018,Volume 1, ISSN: 2194-5357.
- ◆ **Ms. Rekha N**, Assoc. Prof., published a paper entitled “**Noise Detection and Elimination by Using Analytical Approach**” in Proceedings of 7th Computer Science On-Line Conference 2018,Volume-1, ISSN: 2194-5357.

Achievements- Students

- ◆ **Mr. L Karthik Narayan** represented B.A.C & won **2nd place** in the event **Water Polo** in **State Senior Aquatic Championship - 2017** held at Ramakrishna Hegde Swimming Pool, Bangalore from **16th to 18th Aug 2017**.
- ◆ **Mr. L Karthik Narayan** of KSIT, Bangalore represented VTU, Belagavi in **All India - University Championship** held at Punjab University, Chandigarh in **Swimming** from **26th to 30th Oct 2017**.
- ◆ **Ms. Anitha M** of 5th Sem received the **Uttama Shibirarthi** award in **Sankalpa 2018 Special Camp** organized by **NSS** ,from **12th to 18th July** at Harohalli, Ramanagara District.

Editorial team

Mr. Senthil Babu K, Assoc.Prof.	Aditya S, 7 th Sem
Ms. Rekha N, Assoc.Prof.	Srihari N V, 7 th Sem
	Amritha S, 5 th Sem

“Strength does not come from physical capacity. It comes from indomitable will”