



# JYOTHISHMATHI

INSTITUTE OF TECHNOLOGY AND SCIENCE



## PRATIBIMB

*Reflection of Achievements*

January to June 2018



**Sri. J. SAGAR RAO**  
Chairman, JGI

#### MESSAGE FROM CHAIRMAN

Jyothishmathi has always stood above the rest in its approach to education and in its pedagogic essentials. Jyothishmathi has undergone a massive metamorphosis over the years and consolidated itself in ensuring a pragmatic learning experience for its students, and more importantly remaining a leader in the field of engineering education. We have constantly evolved by positively looking at our deficiencies that have transformed us as efficient vehicle of social change. **Wish you all a very happy, safe and healthy New Year.**

#### MESSAGE FROM SECRETARY

Engineers play a significant role in nation building by creating new inventions using best technologies to make human life more comfortable, secure and productive. In modern times, nations which have rich Engineering and Technology domains are flourishing economically and are providing better lives to their people. Today's education is not just accomplishment of Knowledge, but it is acquisition of skills, building character, and improving employability. There is a huge requirement of Engineers and Technocrats to repeat the saga of success. We have excellent potential to grow in diversified areas and excel in these fields



**SUMITH SAI JUVVADI**  
Secretary &  
Correspondent, JGI



**Dr. G. LAKSHMI  
NARAYANA RAO**  
Professor, Principal, JITS

#### MESSAGE FROM EDITORIAL-CHAIR

The essence of Engineering and Technological education which has spread in the country is a very positive sign, not only to cater to the domestic needs but provide manpower to the entire world and become the biggest technically trained community. There are umpteen numbers of industries which look forward to recruit professional engineers with right qualification and excellent training directly from reputed institutions. Jyothishmathi Institute of Technology and Science is an entity contributing to this Endeavour.

#### MESSAGE FROM THE EDITOR-IN-CHIEF

We are glad to bring out the present issue of our e-Newsletter Pratibimb. Pratibimb is a living document of the Jyothishmathi Institute of Technology & Science, carrying mosaic of intellectual contributions, activities, events, seminars, guest lectures, Training and placement activities and many more. It is a fact that a newsletter reflects, inspires and motivates students and staff alike, for it reminds them of the zeal that they had once to do something extraordinary. We were overwhelmed by the response that we received from the coordinators, heads of departments and faculty members of Jyothishmathi Institute of Technology and Science making this newsletter possible. In this newsletter, we have reported significant achievements of the Departments, Staff and Students in terms of learning and development. I am glad to acknowledge the kind support that I received directly and indirectly, to bring out the newsletter on time.



**Mrs. KOODALA  
PRASANNALATHA**  
Assistant Professor of  
English, Head Department  
of Humanities & Sciences





Inaugural function of YASHOYAAN - SPORTS MEET in the JITS campus, by  
Hon'ble Guests: Sri. P. Sanjeev Kumar and Sri S. Srinivas



Inaugural function of A Two Day National Workshop on "Control System Design using MATLAB" held on 23.02.2018, organized by Department of ECE



Department of ECE organized a Two day workshop on  
“Electronics Circuits & Simulation”



III B.Tech ECE students visited Doordarshan Kendra, Hyderabad on the  
occasion of Industrial visit





II B.Tech EEE students visited RTS-B Station, Ramagundam on 16-03-2018



The Department of EEE organized a National Workshop on “Matlab & PSIM Training for Power Systems and Power Electronics Applications” from 19.01.2018 to 20.01.2018



JITS was awarded best Innovation college in Telangana by Telangana state Innovation cell During the start-up India Telangana yatra-2018 at Grand Finale conducted at JNTU Hyderabad



Krishna Chaitanya Rao and Team won third place and awarded cash price of Rs. 50,000/- Core idea of innovation was connecting organ donors to receptors via government, hospitals and insurance companies. Entire application is made using block chain technology and was highly secured





## TELANGANA STATE SMART CITY HACKATHON 2018 WINNERS



Prize receiving from Honourable IT Secretary Jayesh Ranjan Gaur.

**BEST INNOVATIVE AGRI-TECH  
PROJECT**  
**HUBER APPLICATION FOR  
HORTICULTURE DEPARTMENT ,  
DEVELOPED USING REACT NATIVE  
( IOS & ANDRIOD).APPLICATION  
WORKS WITHOUT INTERNET.**

The project aims the Horticulture Department to solve various issues like field officer verification work, soil status and chemical analysis. Here the project involves an app which supports both Android & IOS and with a little effort we can extract the web-app. And the user/field officer has to register with the mobile number / Unique Id of officer to connect to the server then on the regular intervals ( when the mobile data is enabled or the internet is available ) the app will capture the field officer's verification / visiting data( the crops, that the field officer has to visit for grievance or any other purpose).Then the app alerts the officer before a day or two to check the data with internet, while he is doing so the app will fetch the GPS ( Latitude and Longitude values ) of the verification points and the map then generates itself an offline map which further helps the officer to point and reach the destination even without network signal by showing the nearest field he has to visit in the live map. And we proposed another IoT device to gather the soil status and chemical analyzer ,when the device sensors are placed in the soil then it collects all the data we require and we can post it to server or to any mobile number. We can use that Device to generate the OTP to authenticate the officer visit which he has to enter it in the report form generated in the app when he visits the field. And this report form will be saved in the mobile and will be synced with server when the data is available. We have a bunch of features(adv-ons) & thought of implementing them like crop suggestions(predictions) along with news letters.

We are very happy for recolonisation of our project as a solution to a real time problem and awarding us as the WINNERS of TS Smart City Hackathon 2018.

**16000 + Participants**  
**30 + Colleges**  
**600 + Prototypes**

**K. Krishna Chaitanya Rao**  
(15271A0508)  
**Sudheesha Kaikam**  
(14271A0523)  
**Sankeerth Rao, Vanna**  
(14271A0527)  
**Nandita Kishor**  
(14271A0549)

## WINNERS OF WORLD BLOCKCHAIN HACKATHON



WE ARE SO HAPPY THAT WE GOT FIRST PLACE IN WORLD BLOCKCHAIN HACKATHON.

IDEAS ARE A GEMSTONE ASSOCIATION WITH REAL COMPUTER SOCIETY CHARTERED UNDER REGISTRATION PRESENTED WORLD BLOCKCHAIN HACKATHON. A 2 DAY EVENT THEMED TO BUILDING A DECENTRALIZED BLOCKCHAIN APPLICATION TO SOLVE COMMON PROBLEMS WHICH WILL BE HOSTED IN THE CITY KNOWN FOR ITS TECH HERITAGE AND CULTURE, WARANGAL AT VALLABH CHALLENGE OF ENGINEERING AND SOCIAL JUSTICE. THE HACKATHON WAS FOR TWO DAYS WHERE STUDENTS FROM DIFFERENT ORGANIZATIONS/UNIVERSITIES GATHERED AT A PLACE AND BUILT A DECENTRALIZED APPLICATION ON THE BLOCKCHAIN. ALL THE STUDENTS PREPARED A SOLUTION FOR THEIR PROBLEM STATEMENT THROUGH BUILDING DECENTRALIZED APPLICATION. PARALLEL STUDENTS BUILT THEIR OWN TEAM PORTFOLIO AND PRESENTED THEIR IDEAS. ON THE FIRST DAY BASED ON SESSIONS OF BUILDING AND OPEN-UP CONDUCTED FIRST IT WAS CONCLUDED BY HACKATHON ON THE SECOND DAY STUDENTS SHOULD DEVELOP A STORYBOARD OF THEIR PROBLEM STATEMENT, BUILD A PROBLEM STATEMENT AND SUBMIT THE PROBLEM STATEMENT. WE GOT PLACED FIRST IN THE COMPETITION. HEALTH CARE WITHIN A SHORT AND FAST WHERE THERE IS A LARGE NEED AS WELL AS SECURITY AND SCOPE FOR IMPLEMENTING THE BLOCKCHAIN. WE WORKED ON BLOCKCHAIN BASED PAYMENT VIRTUAL CURRENCY AND PLATINUM WITH THE TRANSACTIONS AND TRANSFER OF DATA BETWEEN THE AUTHORITIES OR DEPARTMENTS AND THE VERIFICATION AND ACCEPTANCE OF THE RESULTS CAN BE MADE. TRANSPARENT TO THAT THE FORM IS IN A SECURE AS ALL THAT PROVIDED BY GOVERNMENT AND AN AUTHORITY GIVES UP. AS THE TRANSPARENCY IS ESTABLISHED IN THE PROCESS AND IT IS MAINTAINED BY THE INDIAN MEDICAL COUNCIL (MCI) AS THE GOVERNING AUTHORITY THERE CAN BE NO CHANCE TO MAKE TRICKS AS ONE OF THE OTHER PERSON NOTICES IF ANYTHING GOES WRONG.

TEAM DETAILS: KATHALA KRISHNACHAITANYA RAO, KOMAL VYAS, THANUKU AISHWARYA, SUDHEESHA K.V. SANKEERTAN RAO



**2000+ ATTENDIES**  
**42+ COLLEGES**  
**50+ MENTORS**



## WINNERS OF TELANGANA STARTUP YATRA-2018



**WE ARE SO GLAD THAT OUR  
START-UP GOT A  
RECOGNITION IN T-HUB AND  
GOT MANY INCUBATION  
OFFERS AND MENTORSHIP  
TO WORK FURTHER AND GOT  
AWARDED AS BEST STARTUP.**



Entrepreneurship has always been a buzz word in metropolitan cities but after the launch of Startup India Scheme many entrepreneurs from Tier 2 and Tier 3 cities have come forward to take up Entrepreneurship. The Government of Telangana is active in bringing the culture of Innovation and Entrepreneurship in the State. Telangana State Innovation Cell (TSIC) is one such recent initiative along with T-Hub, T-works, Rich and WE-Hub by the Telangana Government to boost the Startup ecosystem. There was a Bootcamp conducted in our college of Jyothishmathi Institute of Technology and science. And our college got the highest record of 34 teams who got shortlisted for the final round. And then finally the day of the Final competition, across TELANGANA 134 teams participated and only 20 teams got selected for the incubation and were given cash prize. Our Team got placed in Top third position and we got cash prize of 50,000/- Our idea was of connecting organ donors to receptors Via Government, Hospitals and Insurance Companies. Entire Application is made using Blockchain Technology and was highly secured. Every one who is donor at Reliv will be GeoTagged. "Don't take your organs to heaven with you, Heaven knows that they are needed here." Finally, People whose ideas got shortlisted got a chance to pitch for offers by incubators and incentives by the State Government. Our college was awarded for "Best Innovative College" across Telangana.

### TEAM DETAILS :

Kathala Krishnachaitanya Rao, Komal Vyas, Thanuku Aishwarya, Sudheesha K.V. Sankeertan Rao



Ms. Bhavana from ECE has been selected as Cyber Rakshak in Karimnagar by TSA in the year of 2018



Industrial Visit-Infosys for III-CSE students on 21.05.2018



MOTIVATION GETS YOU GOING BUT  
**DISCIPLINE KEEPS YOU GROWING**



**JYOTHISHMATHI**  
INSTITUTE OF TECHNOLOGY AND SCIENCE



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