

NEWSLETTER

MARCH 2020 VOL.1 ISSUE 2

# THE LYCEUM

VOICE OF ECM





## CONGRATULATIONS

 COVID-19

 PRO 

DANCE 



 JECT  

IMPOSSIBLE

IJIEMR – ELSEVIER SSRN RESEARCH AWARDS 2020



## ABOUT THE DEPARTMENT

Electronics and Computer engineering (ECM) is a course that aims to combine two separate fields of engineering to meet demands made by electronics and computer industries. This program has been developed in response to the industry demands to develop students' hardware and software engineering skills in an integrated way. Our curriculum focuses on many real-time applications, which includes smart homes, smart city, smart traffic management, smart agriculture, healthcare applications, web designing, cyber security, automotive electronics, environmental monitoring etc.

The undergraduate course mainly focuses on electronics courses like analog electronics, digital electronics, embedded system, communication system and computer courses like logical thinking, data structures and algorithms, DBMS, Web development, computer network, software engineering, Internet of Things (IoT), Machine Learning, Artificial Intelligence, Deep Learning etc. Our department provides a specialization in Embedded Systems, Web Technologies, IoT (Internet of things), VLSI, Artificial Intelligence and Machine Learning etc. And department offering one Post Graduation programme, [Embedded Systems] which suits for industrial needs.

The Course helps the students to enter into various professions as Embedded Engineers, Firmware Engineers, Software Engineers, Software Developers, Web Application Developers, IoT Application Developers, Automobile Electronics Engineers, ICT (Information Communication Technology) Engineers, VLSI Engineers, Forensic Engineer etc. Many companies need engineers with hardware and software knowledge, and our students cater to their requirements. Our department provides proficiency in many aspects of the student's career like assistance for master degree program both in and out of the country through GATE, GRE, TOFEL, IELTS etc.

## OUR VISION

To impart value-based, state-of-the-art education and motivate students to become socially committed professionals for their overall development

## OUR MISSION

To promote innovation centric education and perform cutting edge research in interdisciplinary and multidisciplinary areas



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# PROJECT EXPO

## PROJECT EXPO

### THE PLATFORM TO SHOWCASE THE INNOVATIVE PROJECTS

The Department of Electronics and Computer Engineering has organized Project Expo for the projects designed by students on innovative ideas in K L E F (Deemed to be University) Vaddeswaram campus in Guntur district on 17-03- 2020 (Tuesday).

The major objective of organizing this exhibition was to provide the platform and unleash the potential of the students by showcasing their innovative projects developed in the Final Year either focusing Industry Defined Problems or User Defined Problems and provide an opportunity for the students to demonstrate their learning experience. The outcome of the PROJECT EXPO was that students were able to show their project at higher level and the process boosted their confidence.

University Vice-Chancellor L.S.S. Reddy inaugurated the Project Expo. Vice Chancellor along with Dr. GPS Varma (CEO-TBI), Dr. N Venkatram (Dean-Academics), Dr. Rama Swamy (Vice-President, R & D- Efftronics India Pvt Ltd), Dr. MSG Prasad -(HOD ECM), Mr.K. Sripathroy (Assoc. Dean-Projects) went round the exhibits and interacted with students. Project Prototypes prepared by students focusing on real world problems in the areas of IOT, Cyber Security, Web Technologies and Embedded Systems attracted the university officials and students. 500+ Students participated in the Project Expo and more than 120 projects were displayed.



Project Expo was organized by the faculty coordinators, Dr. Md Ali Hussain, Dr. NVK Ramesh, Dr. K. Venkatratnam and Mr. Srinivasulu under the guidance of Dr. MSG Prasad -(HOD ECM) and Mrs. PSG. Aruna Sri (Deputy HOD-ECM). This exhibition also provided a unique platform to the participating students for their innovations and new experiences with the community.

# ONE DAY WORKSHOP

## IOT APPLICATION USING AWS CLOUD

The Department of Electronics And Computer Science Engineering has organized a One Day Subject based workshop on “IoT Application using AWS Cloud”. A subject based workshop was conducted for K L E F Engineering department Faculties and K L E F Students. The main aim of the workshop was to enhance the technical expertise in IoT Domains for K L E F Engineering department Faculties. The resource person Mr.M.Praveen Kumar, Senior Engineer in Continental automotive components Pvt Ltd, Bangalore and Sadu Sai Saandeep, Founder & CTO, Robogyaan Research Center, A.P delivered that, importance of IoT and AWS Cloud.

AWS IoT Core is a managed cloud service that let's connected devices easily and securely interacts with cloud applications and other devices. AWS IoT Core can support billions of devices and trillions of messages, and can process and route those messages to AWS endpoints and to other devices reliably and securely.

**The session covered on below mentioned topics :**

Sessions 1: "Introduction to Embedded Systems & IoT "

Sessions 2: "Introduction to nodeMCU Connecting to Blynk Application using nodeMCU Controlling loads(led) using Blynk Sending DHT 11 sensor data to Blynk"

Sessions 3: "Connecting to AWS using nodeMCU Conrolling loads(led) using AWS Sending DHT 11 sensor, MQ6, MQ135, MQ7, Ultrasonic Sensor & Soil Moisture Sensor data to Amazon cloud"

Sessions 4: "Intoduction to Zigbee technology Transfer of data from Arduino to nodeMCU using Zigbee and uploading data in Amazon cloud, Star Topology Tree Topology,Mesh Topology"

**Institutions Benefited:**

The aim of FDP attaining sustainable development and achieving higher growth rates which could be enabled through creation, transmission and dissemination of knowledge. At all levels to the participants by the setting up of new instructions and the improvement of the existing ones has been achieved.





# AWARENESS ON HIGHER STUDIES

India's higher education is the third largest one after the U.S.A. and China. For years India has made an impact in the world economy by providing intellectuals to the world. But that alone will not serve the purpose. The expectation from higher education is more than that. University Grants Commission proclaims the objectives of Indian higher education in its 12th five year plan.

On 16th March, Monday the program was held. Both 3rd year and 4th year students visited that fair. Some photos are attached here. 14 universities from UK and Australia was there to create awareness on higher education abroad. "Higher education is about promoting excellence in more ways than one: at individual level, it is an instrument of upward mobility through cultivation of excellence; for national economy, excellence of work force is a pre-requisite of sustained growth; and for humankind, excellence is a must for extending the frontiers of knowledge and cultivation of values"

Higher education should bring intelligence, workforce and Values. While analyzing the above objectives India has brought intelligence and workforce for the country but the question is whether the higher education system brings values or social concern among the students. Education should not stop with just acquiring the intelligence to earn more income and leading a sophisticated life. It should create social awareness and self-awareness. Today the social life is eroding in India. The educated persons are ignorant of not only the long accepted social values but also the modern values of secularism, socialism, democracy and professional ethics.

## CONCLUSION

The above analysis highlights that the present higher education provides a lop-sided development. It provides only intelligence, but not the emotional intelligence and social concern. This is a dangerous sign as most of these students may be intelligent criminals. There is difference between education with social concern and education without social concern. A best example is the terrorists who demolished the twin buildings of U.S.A. He is very intelligent in hijacking a flight and entering into the territory of U.S.A. But he does not have the social concern and compassion to the persons in towers and their relatives. So there is an urgent need for a radical change in the higher education through which we have to include social concern, which will in turn will bring peaceful co-existence of the people of India.



## FACULTY ACHIEVEMENTS



**SSRN**  
Tomorrow's Research Today

Social Science Research Network (SSRN) is devoted to the rapid worldwide dissemination of social science research and is composed of a number of specialized research networks in each of the social sciences. The SSRN eLibrary consists of two parts: an Abstract Database containing abstracts on over 84,000 scholarly working papers and forthcoming papers and an electronic paper collection currently containing over 58,900 downloadable full text documents in Adobe Acrobat pdf format. The eLibrary also includes the research papers. The Networks encourage readers to communicate directly with authors and other subscribers concerning their own and others' research. To facilitate this we publish detailed author contact information including email addresses for authors of each paper. We also provide electronic delivery of the papers when authors wish us to do so from the SSRN eLibrary.

The following Faculty Members of our University - Koneru Lakshmaiah Education Foundation (KLEF) have received Awards from Social Science Research Network (SSRN), IJIEMR – ELSEVIER SSRN RESEARCH AWARDS 2020 in various Categories which was held on 14th March 2020 in Hotel Midcity, Vijayawada.



### **OUTSTANDING SCIENTIST AWARD**

**DR. M. SIVA GANGA PRASAD**  
PROFESSOR & HOD



### **BEST ACADEMIC ADMINISTRATOR**

**DR. SUMAN MALOJI**  
PROFESSOR & HOD (ECE)



### **DISTINGUISHED SCIENTIST AWARD**

**DR. MOHAMMED ALI HUSSAIN**  
PROFESSOR



### **BEST RESEARCHER AWARD**

**DR. N.V.K. RAMESH**  
ASSOCIATE PROFESSOR



### **BEST ACADEMICIAN AWARD**

**DR. K. KIRAN KUMAR**  
PROFESSOR

# PLACEMENTS



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## FACULTY CORNER

### TECHNICAL ARTICLE :

## BE THE CHANGE

In the voyage of life we follow the protocols of society. We look upto the people who are leading the World, but we won't look upto the people who are changing the world. The change brings prosperity and common wealth in the society. So be the reason for the change, be unrealistic. Somebody has quoted that, "I see the World in terma of what I would like to see happen, not what actually does ". Some of the greatest invenson would not have happend if people choose to accept the world as it is.

Great achievements and innovations begin with a mindset that ignores the impossible. Trying harder and more harder is the essance of life and also results in change the things. " The secret of life, thought is to fall seven times and to get up eight times". Because the eighth time could be yours break through.



**MS.SHAIKH SHAKEELA**  
**ASST.PROFESSOR.ECM**

## CORONA VIRUS

COVID-19 is an acute respiratory illness caused by COVID-19 virus that predominantly affects the lungs. Based on current evidence, the COVID-19 virus is transmitted between people through droplets, fomites and close contact, with possible spread through faces. It is not airborne. As this is a new virus whose source and disease progression are not yet entirely clear, more precautions may be used until further information becomes available. Safety procedures for deceased persons infected with COVID-19 should be consistent with those used for any autopsies of people who have died from an acute respiratory illness. The safety and well-being of everyone who tends to bodies should be the first priority. Before attending to a body, people should ensure that the necessary hand hygiene and personal protective equipment (PPE) supplies are available. If the family wishes only to view the body and not touch it, they may do so, using standard precautions at all times including hand hygiene. Give the family clear instructions not to touch or kiss the body. Embalming is not recommended to avoid excessive manipulation of the body. Adults >60 years and immunosuppressed persons should not directly interact with the body.

Worldwide, confirmed infections rose past 1 million and deaths topped 58,000, according to a tally by Johns Hopkins University. The number of COVID-19 positive cases in India exceeded 3,100 and the death toll touched 100+, according to State and Health Ministry reports. Despite the rise in cases, Joint Secretary at the Union Health Ministry Lav Agarwal said the revised testing guideline is still under consideration. Experts say both numbers are seriously undercounted because of the lack of testing, mild cases that were missed and governments that are underplaying the crisis.

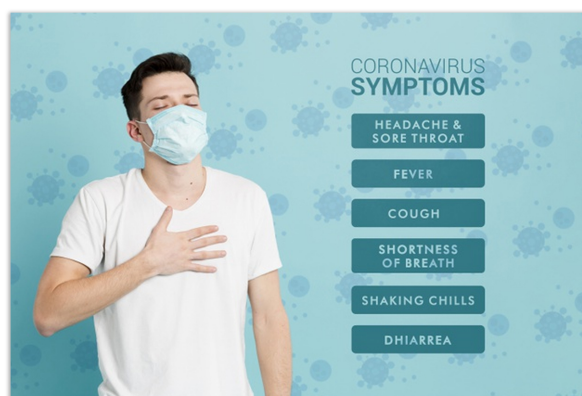
As of now, a vaccine has not been formulated for the novel coronavirus. In light of this fact, prevention appears to be the best cure available so far. Here are the measures you need to take to keep the virus at bay.

- > Avoid close contact with people who are sick. Maintain at least three feet distance between yourself and anyone who is coughing or sneezing.

- > Avoid touching your eyes, nose, and mouth. Stay home when you are sick.

- > Clean and disinfect frequently-touched objects and surfaces using a regular household cleaning spray or wipe.

If a person died during the infectious period of COVID-19, the lungs and other organs may still contain live virus, and additional respiratory protection is needed during aerosol-generating procedures. According to the Covid-19 dead body management guidelines released by Ministry of Health & Family Welfare in India, here are some standard precautions to be followed while disposal of the dead body of a suspect or confirmed case of Covid-19.



**STAY HOME STAY HEALTHIER AND SAFE TO LIVE LONGER**

**MS.R.KRISHNAVENI**  
**ASST.PROFESSOR**



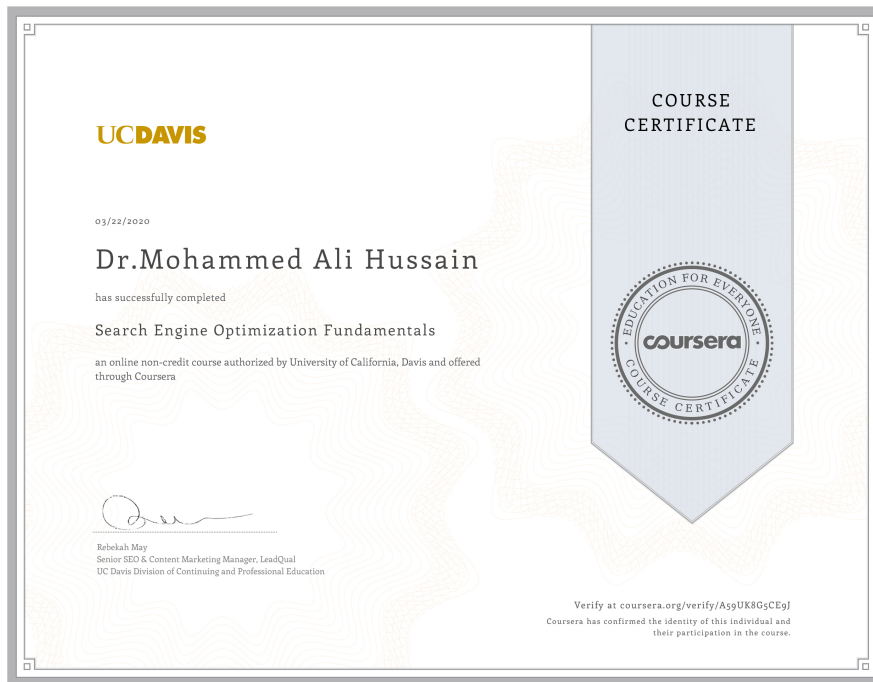
# FACULTY ACHIEVEMENTS

1. S.Manogna, N.Archana, A.Ritwik, P.Vyshanavi, Dr.Mohammed Ali Hussain, Dr.Shaik Razia Secure Sharing Of Files Using Key Image Encryption And Storing In Aws, Journal of Advanced Research in Dynamical and Control Systems, Vol. 12, Issue-02, 2020. Scopus Indexed.
2. M.Gnana Deepak, D.V Lakshman Chowdary, T. Ganesh, Dr. Mohammed Ali Hussain, P S G Aruna Sri, Dr. Shaik Razia Decentralized Application On Real-Estate Using Block Chain Journal of Advanced Research in Dynamical and Control Systems, Vol. 12, Issue-02, 2020. Scopus Indexed.
3. P. Venkateswara Rao and Dr. Mohammed Ali Hussain Skyline computation with Post Filter on Hadoop framework with Multiple Reducers, Test Engineering and Management, Feb-March 2020. Scopus Indexed.
4. K. Siva Rama Krishna and Dr. Mohammed Ali Hussain A Novel Resource Optimization Model on Real time Cloud Computing using Bayesian Estimation, Test Engineering and Management, Feb-March 2020. Scopus Indexed.
5. B. Balaji Bhanu, Mohammed Ali Husain, Mahmood Ali Mirza A High Throughput Offering IOT System For Agriculture Applications International Journal of Scientific & Technology Research Vol.9, Issue.2 2020, Scopus Indexed.
6. M. Bhanusri, Dr.N.V.K.Ramesh, Shaik Razia Maize Leaf Disease Detection Using Convolution Neural Network Journal of Advanced Research in Dynamical and Control Systems, Vol. 12, Issue-02, 2020. Scopus Indexed.
7. Arvind Yadav and Penke Satyannarayana Multi-objective genetic algorithm optimization of artificial neural network for estimating suspended sediment yield in Mahanadi River basin, India International Journal of River Basin Management, 2020 Taylor & Francis Group.
8. Balla Mani Chidvilas, Kancharla Sai Pavan, Sanaka Naga Sai Kiran, MerugaMourya Kanth, V S Bhagavan, Tatiana Real-Time anomaly detection using Tensor Flow based RNN deep learning classifier Journal of Advanced Research in Dynamical and Control Systems, Vol. 12, Issue-02, 2020. Scopus Indexed.
9. B Aruna K Geethika, Ravi Kumar Tenali, A Mani Meghana, G Krishna Vamsi A Peculiar Presume Towards Mining Online Mental Stress In Social Networks International Journal of Scientific & Technology Research Vol.9, Issue.1 2020, Scopus Indexed.
10. M.Ramesh Kumar, Ravi Kumar Tenali, S.Rajeswari, B.B.V.Satyavara Prasad, Anitha Potnuri Quantifying Prejudiced Statistics Information Based on Tweets International Journal of Scientific & Technology Research Vol.9, Issue.1 2020, Scopus Indexed.
11. P Gopi Krishna Implementation of Environment Gases Monitoring System using LoRa Gateway in Smart Cities with IoT Technology in Jour of Adv Research in Dynamical & Control Systems, Vol. 12, Issue-02, 2020, Scopus Indexed



Mrs. S. Sridevi, Mrs.P.S.G.Aruna Sri, Dr. K.V.DayaSagar, Dr.Md Ali Hussain, M.Trinath Basu published a Patent on  
METHOD INVOLVED IN CALCULATION OF DOMAIN SPECIFIC SCORE  
202041007097 A

Dr.Mohammed Ali Hussain has successfully completed an online non-credit course authorised by University of California on  
Search Engine Optimization Fundamentals



Dr.Mohammed Ali Hussain has successfully completed an online non-credit course authorised by (ISC)<sup>2</sup> on  
Access Controls



# STUDENT CORNER

## TECHNICAL ARTICLE :

### WEBSITE BUILDER

Whether you're just starting a business or want to move your existing brick and mortar business online, you'll need to locate a website builder to get you and your brand online. Website builders come with a variety of options, so it is important to find one that fits you and your website.

So what is a website builder exactly?

A website builder is software that allows you to create a website online. The software will reside on a web server at a hosting company or be part of a hosted SaaS (software as a service) platform. Or in other words, you do not use your local computer (desktop or laptop) to hold software that will build the website. Instead you'll build the website online via software designed specifically for website creation.

Top small business website builders are:

WordPress

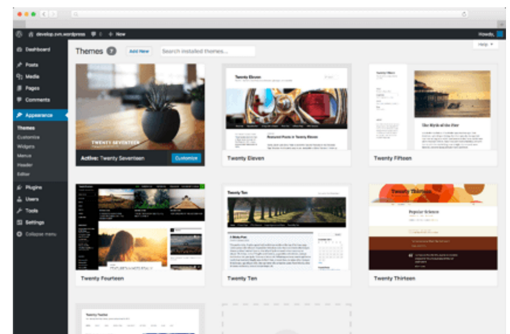
Wix

SquareSpace

Weebly

What's the difference between "hosted" solution or "self hosted" software?

In a hosted solution you pay a monthly fee to have the software housed and managed by a third party company. You don't have to worry about finding a hosting company or software updates. Website builders that are self hosted will require you to purchase a hosting plan from a third party company, install the web builder software from another company, and you'll need perform software updates. Don't let that last comment scare you. There are many hosting companies that will manage software updates for you and you don't have to touch a thing.



**T.SIVA SAI BARGHAV**  
**170050128 III ECM**

## DANCE IS EMOTION IN MOTION

The dance is a poem of which each movement is a word. Dance is a language beyond words, expressing that for which I have no words. Dance enables you to find yourself and lose yourself at the same time. With or without a partner, a series set of movements of music is said to be a dance. With this definition, we express our feelings and get active after it. We know that dance is also a part of our history that date back to cave paintings found in Spain and France from 30,000 to 15,000 BC with drawings that are vivid of figures dancing with ritual illustration in early human history.

The body is your instrument in dance, but your art is outside that creature, the body. Dance music is an emotional journey. It's how well you can make people feel something that they haven't felt. History of dance often changes the way people see the world and experience their life with it. We love to dance when we are in our childhood. We love to make moves without hesitation and love to enjoy them anywhere even before going to bed.



I see dance being used as communication between body and soul, to express what is too deep to find for words. The art is within you. Keep churning it, never leave the idea that the germ is within you. Don't cheat on it. Don't leave it. Stay with it.

Our history teacher told us that dance evolved into praise songs and enacted by actors or dancers and near the end of 5th century BC, we came to know that dance is the part of entertainment and it offers political and social commentary on that times. The teacher told us that Romans dance waxed and waned in the acceptance with the CEASERS they were ruled with but till 200BC we came to know that dance brought life to celebrations, processions and festivals but again in 150BC all schools in Roman Empire for dancing were closed because they felt to be suspicious and dangerous.

Since ancient times we know there are many similarities when people learned these dance to express themselves with their problems, beliefs, emotions, and actions. We also do the same things in dance with our feelings and thoughts. We also understand that in future we will be reflected with our dance in our society with many times of dances like line dancing, slow dancing, ballet, and the list goes on and on. Every dance presents the event, expression and time it is developed. The dance will never die as it expresses something different for everyone.



An Article by the Team  
**EAGLE MONSTERS**



## ACHIEVEMENTS :

### TARGET BALL ALL INDIA UNIVERSITY



### OUR CHAMPIONS

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2. Pala Ram Sai	160050162	Kho-Kho
3. Nagarjuna	160050167	Kho-Kho
4. N.V.S.Keerthika Dulam	170050090	Basketball, Atheletics



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# KLEF

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