



PANORAMA

VOLUME 10

ISSUE 2

July 2019



Nurturing Next-Generation Innovators





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UNIVERSITY IN INDIA**
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PRIME TIME

GLOBAL EDUCATION EXCELLENCE AWARDS 2019



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2

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KL PANORAMA

VOLUME 10
ISSUE 2
July 2019

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WHEN IT COMES TO THE FIELD OF EDUCATION, WE ARE AMONG THE TOP IN THE COUNTRY

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Academic Staff College & Department of Civil Engineering One-day Workshop on Experimental Preparation in Structural Elements 23.04.2019

Academic Staff College in association with the Department of Civil Engineering organized a one-day workshop on “Experimental Preparation in Structural Elements” on 23-04-2019. Dr. P.Polu Raju, HoD CE. were the resource persons and conducted the workshop emphasizing the objectives of the workshop mentioned below.

The objectives of the workshop are:



Resource Person: Dr.P.Polu Raju, HoD-CE.

Academic Staff College & Department of Mechanical Engineering Two-day Workshop on Outcome Based Education-OBE 24.04.2019

Academic Staff College in association with the Department of Mechanical Engineering organized a Two-day workshop on “Outcome Based Education-OBE” on 24-04-2019. Dr. A. Srinath, HoD ME. were the resource persons and conducted the workshop emphasizing the objectives of the workshop mentioned below.

1. How to choose the Appropriate Programme Outcome and how it is to be mapped to each course, with possible relevance and at appropriate Bloom’s Taxonomy Levels.
2. How to frame the Course Outcomes and map them to appropriate levels of Bloom’s Taxonomy levels.
3. How to divide the Course Outcomes into Course Outcome Indicators, based on the chosen level and nature of the Bloom’s Taxonomy.
4. How to frame the Session Outcomes for each Course Outcome Indicator and decide the nature and type of delivery pattern for each framed session.

5. How to choose appropriate evaluation styles based on chosen Course Outcome statements and levels of Bloom's Taxonomy chosen for each CO.
6. How to effectively frame, peruse and evaluate the Active Learning Modules most appropriate for the course based on the Course's CO's and COI's and Blooms Taxonomy.
7. How to evaluate students as part of continuous evaluation in day to classes.
8. How to embed Peer Learning as part of Active Learning Modules in each category and nature of courses.
9. How to embed Capstone and Case Study Projects for each category and nature of course.
10. How to choose the questions in a traditional paper based examination perfectly tuning to chosen Bloom's Taxonomy
11. How to incorporate Flipped Class room model in each course, through Demonstration- Discussions in the class, as part of Active Learning Modules.

The workshop is conducted in two sessions. In the forenoon session Dr.Srinath, Head of the Dept of Mechanical Engineering introduced the objectives of the workshop. Dr.Srinath dealt with process and approaches regarding how to design and prepare the Course Handouts by each Course Instruction team under the supervision of the concerned Course Coordinator of 2018-19 Even semester (forthcoming semester) so that the Course Handouts for next semester will be perfectly designed and all courses will be perfectly delivered and evaluated which will help the students to attain the required learning levels from each course successfully. The participants were asked to prepare a model Course Handout about which a detailed discussion had taken place in the afternoon session.

Dr.V. Rajesh, Principal –ASC and Dr. B. Siva Nagaiah, Vice-Principal – ASC thanked the resource persons for conducting the workshop to the satisfaction of the participants. The participation certificates were distributed at the end of the programme.



Resource Person: Dr.A.Srinath , HoD-ME



Report on One-day Workshop on “Cross-Cultural Communication Skills” organised by Academic Staff College, KLEF on 04.05.2019

Academic Staff College, KLEF conducted a One-day workshop on “Cross-Cultural Communication Skills” for the registered faculty of KLEF at Sunflower Hall on 04.05.19. Dr. B. Siva Nagaiah was the resource person.

As part of the workshop Dr. B. Siva Nagaiah introduced the key concepts of cross-cultural communication and their significance in the light of globalization and in the era of Information and Communication Technology (ICT).

- The Objectives of the Workshop are:
- Understanding Cross-Cultural Communication Skills
 - Dealing with Verbal and Nonverbal Differences
 - Overcoming Language Difficulties
 - Adopting Intercultural Attitude and Behaviour
 - Enriching Professional Skills

While introducing the concept Cross-Cultural Communication, the resource person addressed the significance of one's own culture and beliefs in developing the attitudes and beliefs. Further he added the significance of verbal and non-verbal communication for a successful cross-cultural communication which paves the way for understanding of one other's feelings, emotions and expectations despite the cultural differences.

The resource person dealt with certain techniques for overcoming the language difficulties and suggested alternative methods for dealing with foreign citizens at work place. He also added a note on the significance of body language for a successful communication across cultures.

Dr. B. Siva Nagaiah also discussed the role of effective conversation and dealt with Do's and Don'ts while speaking with others. He added a couple of issues consisting of cultural conflicts with reference to Anita Desai's "Bye, Bye Blackbird" and "Where Shall We Go This Summer?" and invited the participants for an open discussion as the open discussion will allow one to enrich one's professional skills meticulously.

The workshop was conducted to the satisfaction of the participants and the participation certificates were distributed by Dr. V. Rajesh, Principal and Dr. B. Siva Nagaiah, Vice-Principal of ASC.



A Report on One-week national level Faculty Development Programme (FDP) on "Advanced Deep Learning Techniques" From 13th to 18th May 2019

Academic Staff College organised a one-week national level Faculty Development Programme (FDP) on "Advanced Deep Learning Techniques" from 13th to 18th May, 2019. The FDP was a jointly organised programme by Academic Staff College and Dept. Computer Science and Engineering, KL University in association with Electronic and ICT Academy of NIT, Warangal. The FDP was financed by the Ministry of Electronics and Information Technology (MeitY), Govt. of India.

The programme was coordinated by Dr DVLN Somayajulu, Director, IIITDM, Karnool and Dr. Shahana Bano Associate professor, Dept of CSE, KLEF. The one-week FDP was successfully conducted by Prof. B. Chakraverthy from University of Hyderabad, Mr. M Srinivas from IIIT, Hyderabad and Dr. Nagesh Bhatt from NIT-AP. The resource persons conducted the hands on sessions besides delivering the resource lectures.

The resource persons dealt with the following areas:

Prof. B. Chakraverthy from University of Hyderabad dealt with 'the Fundamentals of Deep Learning', 'Deep Learning and its Applications', 'Deep Learning Architectures', 'Neural Networks', 'Architectures' and 'Case Studies'.

M Srinivas from IIIT, Hyderabad conducted hands on sessions on [Lab sessions] on 'ANN', 'CNN', 'RNN', 'GAN', 'Image Segmentation' and 'Classifications', 'Medical Segmentation Analysis using keras and Tensor flow'.

Dr. Nagesh Bhatt from NIT, AP conducted practical sessions on 'Language Models', 'Word Embeddings', 'Sequence Labelling with CRF', 'Entity Recognition and POS Tagging Applications', 'Attention Models' and 'Tensor Flow – Hands on with LSTMS'.

A good number of participants from A.P., Telangana, Tamil Nadu, Maharashtra attended the FDP and expressed their satisfactory feedback that FDP helped them to learn key issues on Deep learning which will enable them to advance their learning skills and research in the Computer Science and Engineering.

The resource persons were facilitated with shawls and mementos by Dr. V. Rajesh, Principal of ASC, Mr. Harikiran Vege, Head, Dept of CSE and Dr. B. Siva Nagaiah, Vice-Principal of ASC.



Resource Person: Prof. Chakravarthy Bhagvati, UoH Hyderabad.

Resource Person: Mr.M.Srinivas. NIT Warangal.



Resource Person actively involving Participants in Discussions



Resource Person: Dr.Nagesh Bhatt



A Report on One-week national level Faculty Development Programme (FDP) on "Embedded Systems, Smart Sensors for IOT Applications" From 27 -05-2019 to 01-06-2019

Academic Staff College organised a one-week national level Faculty Development Programme (FDP) on "Embedded Systems, Smart Sensors for IOT Applications" from 27-05-2019 to 01-06-2019. The FDP was a jointly organised programme by Academic Staff College and Dept. of Computer Science and Engineering, KL University in association with Electronic and ICT Academy of NIT, Warangal. The FDP was financed by the Ministry of Electronics and Information Technology (MeitY), Govt. of India.

The programme was coordinated by Dr. J. Ravi Kumar, Associate Professor, Dept. of ECE, NIT-Warangal and Dr. G. Sai Krishna Santhosh, Associate professor, Dept of ECE, KLEF. The one-week FDP was successfully conducted by Dr. J Ravi Kumar, Associate Professor, Dept. of ECE, NIT-W; Mr Madhu, Founder, Orange research Laboratories, Hyderabad; Mr Nagendra Bandi, Corel Technologies, Hyderabad and Dr M Satish, Asst Professor, Dept of ECE, NIT Warangal.

The resource persons conducted the hands on sessions besides delivering the resource lectures.

The resource persons dealt with the following areas:

Dr. J Ravi Kumar from NIT Warangal dealt with „Introduction to Embedded Systems,„Introduction to Audrino Architecture and„Interfacing Motors and drivers to Arduino boards, „Introduction to sensors and Interfacing, „Interfacing blue tooth Module to Arduino and implementing IOT Applications.

Mr. Madhu from Orange research Laboratories, Hyderabad conducted hands on sessions [Lab sessions] on „Introduction to Raspberry Pi, „Architecture and Basic Pin out, Python Programming, Basic concepts and syntaxes in Python, „Get-ting Started with RPi, „Booting OS, „Configuration of RPi, „Interfacing sensors „Reading data from sensors with Raspberry Pi „Creating a Channel at OLP Dashboard, „uploading data for visualization at OLP, „Deploying Device at OLP Dashboard,„device connectivity through cloud „Socket communication, „building an IoT Gateway

Mr. Nagendra Bandi from Corel Technologies, Hyderabad conducted practical sessions on „Embedded Processors, „FPGA architectures „Embedded system design using PYNQ boards and „Implementation of IOT on PYNQ board

Dr. M. Satish from NIT Warangal conducted practical sessions on „MQTT Protocol, „Gateway Implementation over Wireless Network, and „IOT Application Using ESP32.

A good number of participants from A.P. and Telangana attended the FDP and expressed their feedback that the FDP helped them to learn key issues on Embedded Systems, Smart Sensors for IOT Applications which will enable them to conduct effective lab sessions in their respective departments and labs.

The resource persons were facilitated with shawls and mementos by Dr. V. Rajesh, Principal of ASC, Dr. Ch. Sri Kavya, Head, Dept. of ECE and Dr. B. Siva Nagaiah, Vice-Principal of ASC.



Dr. J Ravi Kumar, NIT Warangal



Participants doing Hands on Practice



Mr. Madhu, Orange research Laboratories



Mr. Nagendra Bandi, Corel Technologies



Dr. M. Satish, NIT Warangal



Group Photo

Academic Staff College & Department of Mechanical Engineering One-week Workshop on “Design Thinking for Innovation-I” From 29th May to 1st June, 2019

Academic Staff College in association with the Department of Mechanical Engineering organized a One-week workshop on “Design Thinking for Innovation-I” on 29.05.2019 to 01.06.2019. Mr.P.S.N.Venkat, Asst.Professor was the resource persons and conducted the workshop emphasizing the objectives of the workshop mentioned below.

A Faculty development program on Design thinking for innovation was conducted for one week period where a detail training on course objectives and design of course curriculum are taken has two main important points.

About this course:

This course introduces students to the core philosophy of design thinking to achieve the innovation mindset: A mindset which integrates design, technology and business research to facilitate product and service innovation as well as strategic planning and informed decision making for future scenarios. Students are expected to develop the necessary skill: observing users and interpreting user insights, defining design challenge and prototyping concepts.

The services of activities for this course are designed to help students understand and apply the key principles of the design, prototyping, photogrammetry, coding skills and project management concepts.

About One week of FDP training:

- Day 1:** A detail discussion on design of list of experiments of the course is done and training on installation of various design software Creo Parametric academic version 5.0 is delivered.
- Day 2:** Detail training on 3D designing in Creo Parametric 5.0 software with simple examples has covered in morning session and in the afternoon session various 3D printing technologies is discussed.
- Day 3:** Detail discussion and training on project management using Microsoft VISIO software has done in the morning session and in the afternoon session hands on practice of Microsoft VISIO conducted.
- Day 4:** A detail discussion on python language and installation on Anaconda software conducted
- Day 5:** Hands on practice and training on Artificial intelligence experiments conducted
- Day 6:** Hands on practice and training on Machine learning experiments conducted. Finally doubt clarification session and material distribution to faculty conducted.

Finally resource person gave vote of thanks to faculty of mechanical who attended the FDP program. Dr. A.Srinath, HOD ME and Dr.V.Rajesh, Principal, Academic Staff College have facilitated the Resource Person.



Resource Person: Mr.P.S.N.Venkat, Asst.Professor,ME

**A One-week National Level Faculty Development Programme (FDP) on
"NBA Accreditation"**
Conducted by NITTTR, Kolkata And Organised by Academic Staff College, KLEF
From 17th to 21st June, 2019

A One-week national level Faculty Development Programme (FDP) on "NBA Accreditation "was organized by Academic Staff College from 17th to 21st June 2019. The FDP was conducted through online mode by NITTTR, Kolkata and Dr.RayapatiSubbaRao was the resource person. The FDP was attended by 60 faculty members from various departments of KLEF.

While outlining the FDP, Dr.SubbaRao dealt with the need for accreditation and its main purpose. He added further about the impact of accreditation and its benefits to the Institute. In connection to previous session, Dr.Rao further included the accreditation criteria especially the criteria i to including the major steps involved in accreditation procedure. He gave a detailed discussion and demonstration on the preparation of Self Assessment Report (SAR) and further readiness for the visit by the Accreditation committee. Dr.Rao answered all the doubts raised by the participants and made them aware that having the NBA accreditation is will be a major achievement for any institute and one can achieve it with proper planning and execution.

Dr. V. Rajesh, Principal, ASC, and Dr. B. Siva Nagaiah Vice-Principal, ASC and Mr. V. Venkata Narayana Dept. ECE had coordinated the FDP.



Participants actively involving the session

**A One-week National Level Faculty Development Programme (FDP) on
“Data Science using Spark R”
Organised by Academic Staff College,
In association with Dept. of ECE, KLEF & Electronic & ICT Academy of NIT, Warangal
From 10th to 15th June, 2019**

A One-week national level Faculty Development Programme (FDP) on “Data Science using Spark R” was organized by Academic Staff College in association with Department of CSE, KLEF from 10th to 15th June 2019 for which 42 faculty and scholars across Andhra Pradesh and Telangana, had registered and participated in the programme. The FDP was a jointly organized programme by Academic Staff College and Dept. Computer Science and Engineering (CS&E), KL University in association with Electronic & ICT Academy of NIT, Warangal. The FDP was financed by the Ministry of Electronics and Information Technology (MeitY), Govt. of India. Dr.K. BhanuPrakash, Professor, Department of CSE, KLU was the coordinator for the programme.

The lecture schedule as follows:

1. Prof P RadhaKirshna, NIT, Warangal dealt with the overview of Data Science, Data Analytics Life Cycle, Predictive Analytics and Case Studies on Predictive Analytics.
2. Prof V Ravindranath, JNTUK, Kakinda dealt with Probability Analysis, Inference and Modeling, Linear and Logistic Regression using R and Linear and Logistic Regression using R.
3. Dr T Ramakrishudu, NIT, Warangal dealt with Data Wrangling using SPARK R, Data Wrangling using SPARK R, Data Wrangling using SPARK R AND Data Wrangling using SPARK R
4. Pawan Kumar, Citibank, Bangalore dealt with Data Science Fundamentals using SPARK R, SPARK R: Transformation features, SPARK R: Integration features, SPARK R and its Visualization features.
5. Bhatt Dittakavi, CEO, Varaince.ai, Hyderabad dealt with Use cases in Data Science, Use cases in Data Science, Data Science Case Studies and Data Science Case Studies.
6. S Karthick, NIT-AP dealt with Parallel Probabilistic Graphical Models for Text Analytics, Parallel Latent Factor models for Recommender Systems, Statistical/graphical models for Large-scale graph analytics (community detection), speech processing and NLP, Statistical/graphical models for Large-scale graph analytics (community detection), speech processing and NLP.

As part of the FDP, the resource persons conducted hands-on sessions and demonstrated various methods and approaches in practice of Data Science using Spark R. The FDP was conducted to the satisfaction of the participants.

Dr. V. Rajesh, Principal, ASC, and Dr. B. Siva Nagaiah Vice-Principal, ASC of KLU had honoured the resource persons with shawls and mementos. Dr.K. BanuPraksah, Professor of CSE and Coordinator of the FDP and Mr. V. VenkataNarayana Dept. ECE had coordinated the FDP.



Resource Person: Prof P Radha Krishna, NIT, Warangal



Resource Person: Dr.T RamaKrishudu, NIT, Warangal



Dr. Hari Kiran Vega,
HoD-CSE



Dr. Bhanu Prakash
Coordinator-CSE

**A One-week National Level Faculty Development Programme (FDP) on
“Low Power MOS Circuit Design and Testing”
Organised by Academic Staff College
In association with Dept. of ECE, KLEF From 24th to 29th June, 2019**

A One-week national level Faculty Development Programme (FDP) on “Low Power MOS Circuit Design and Testing” was organised by Academic Staff College in association with Department of ECE, KLEF from 24th to 29th June 2019 for which 45 faculty and scholars across Andhra Pradesh, Telangana, Tamil Nadu had registered and participated in the programme. The FDP was a jointly organised programme by Academic Staff College and Dept. Computer Science and Engineering (CS&E), KL University in association with Electronic & ICT Academy of NIT, Warangal. The FDP was financed by the Ministry of Electronics and Information Technology (MeitY), Govt. of India. Dr.FazalNoorbasha, Associate professor of ECE, KLU was the coordinator for the programme.

Dr.P. SrihariRao, a Professor in School of Electronics and Communication Engineering, NIT Warangal was the chief guest and delivered the inaugural address. While speaking on the occasion, Dr.SrihariRao highlighted that ‘Low Power MOS Circuit Design and Testing’ is one of the most important areas of research for ECE students and scholars. He added that efficient power management is the need of the hour and advised the faculty to make a note on the numerous methods in power harvesting and its effective management. As part his lecture, Dr.SrihariRao dealt with Low Power CMOS circuits.

Further Dr.SrihariRaoconducted workshop and introduced various methods and approaches through which we can learn the design and optimisation of low power design and its strategies. As part of the FDP Mr.T I Krishna Reddy from Texas Instruments from Bangalore dealt with 'An Over View of Low Power VLSI', 'Data Converter Strategies' and 'Low Power and its Testing Strategies'. Dr. P. Muralidhar, Professor of ECE from NIT Warangal dealt with 'Low Power Architectures' and another resource person Mr.NagendraBandi from Corel Technologies, Hyderabad dealt with the software tools with reference to Low Power VLSI.

Dr. V. Rajesh, Principal, ASC, and Dr. B. Siva Nagaiah Vice-Principal, ASC of KLU had honoured the resource persons with shawls and mementos. Dr.FazalNoorbasha, Associate Professor of ECE and Coordinator of the FDP and Mr. V. VenkataNarayana Dept. ECE had coordinated the FDP.



Resource Person: Mr.Krishna Reddy TI



Resource Person: Dr.Srihari P NIT, Warangal



Resource Person: Nagendrababu Coreel



Resource Person: Dr.Zia Abbas, IIIT, Hyderabad



(I) 25TH IQAC ADVISORY COMMITTEE MEETING

1. At the outset the Dean (Quality) welcomed the induction of Dr. A. Anand Kumar, Professor (EEE) as Advisor, IQAC.
2. The meeting was started by Dean (Quality) with the presentation of the minutes of the previous IQAC Advisory Committee meeting held in June 2018 for approval of the members.

(II) FEEDBACK FROM STUDENTS

The feedback collected from students during this period was forwarded to various departments and the following is the compliance status report on the same.

(See Annexure)

S.No.	Name of Department	Complaints Received	Complaints Forwarded	Solved	Pending
1	Civil	5	5	3	2
2	EEE	7	7	6	1
3	ECM	3	3	2	1
4	ECE	8	8	4	4

All the pending issues will be pursued by the principal for compliance by concerned at the earliest.

(III) CONFERENCES / WORKSHOPS

The following workshops/Conferences were organized or co-sponsored by IQAC during the present quarter.

1. A 1-day workshop on "Need for Quality and Context in Engineering & Sciences Research" was organized by IQAC & CAES on 29-9-2018 in the Resource persons Dr. C V S Brahmananda Rao, Dr. N Ramanathan and Dr. A Sree Rama Murthy all senior scientists from IGCAR, Kalpakkam chaired 3 sessions and delivered keynote addresses on "Quality and Effective Research for better society", "Opportunities for students from Engineering and Science streams at department of Atomic Energy, "Chemical

sensors and spectroscopy at IGCAR" respectively. The Guest speakers were felicitated with shawls and KLEF mementos. Certificates were distributed to all 150 members by the Guest speakers.

2. WORLD QUALITY DAY was celebrated on 19th November 2018 at Jasmine hall. (See Annexure for details).
3. A 2-day National Conference on "Innovative Mechanisms and Standards for assuring quality in Higher Education institutions

IQAC-KLEF and ASC jointly hosted a 2-day National Conference on "Innovative Mechanisms and Standards for assuring quality in Higher Education institutions" on 22nd and 23rd March-2019.

The meeting began at 9:30 am on 22-3-2019 in the Peacock hall with the Chief Guest, and the other dignitaries lighting the lamp.



In his introductory address Dr. K Ramakrishna, Dean Quality elaborated on the need for a meeting of this magnitude and relevance in the context of the growing awareness of quality issues in the field of Higher Education in India. He felt sure that it would help in the perception, popularization and proper implementation of the innovative ideas that have been brought into vogue by international media.



The Vice-chancellor Dr. L S S Reddy declared the Conference open and presented a brief survey of the various milestones reached by KLEF University in its long climb to the pinnacle of the A++ ranking by NAAC and the university being accorded the Tier-1 grade among select universities in India.

In his inaugural address Dr. Agrawal complimented K L University on the dual achievement of A++ rank in NAAC and for becoming a 'Grade-1' University. He spelt out the regimen to be followed in the next 5 years when sustenance itself demands a high quantum of quality work in research. In a major part of his speech Dr. Agarwal laid out the road map for future attainments. He spoke on areas like social relevance, public utility and financial viability. He stressed that higher education should cease to be a government responsibility and transform itself into a social commitment as well as responsibility. Judging by international standards the best of Indian institutions have far less alumni participation. He said that we are not handicapped with lack of funds alone but India also faces a huge dearth of academic leadership. He concluded his highly inspirational speech with the thought that India has just passed the fledgling stage and has entered a period of consolidation.



The key note address by Dr. P.V.S. Prasad put the issue on an even keel and suggested that we may also look at the problem from a contextual angle. He said that any society depends on three deciding factors – the state, the market and education. He opined that all educational institutions should develop standards & benchmarks. However, to join the elite brand of institutions one is forced to choose between uniformity and flexibility. By preferring the latter one can build one's own brand and thus achieve uniqueness.



Dr. K.L. Narayana, Dean (R&D) gave a power point presentation which showed all the principals that are followed in the institute for the enhancement of quality of research.

Dr. K. Subba Rao, Principal (CoE) in his power point presentation displayed the various parameters of academic training like communication, soft skills where quality enhancement has been achieved.



These two speeches laid a marvelous platform for the takeoff of the conference.

The experts from various domains then gave presentations packed with knowledge and acumen. Three panel discussions were held on the themes academic leadership, IQAC systems and Industry Institute connect.

The second day of the conference started with Prof. V. Venkaiah's presentation on Academic Leadership and Governance. An academican par excellence, Prof. Venkaiah presented the current scenario of higher education in India and the growing need for educational leaders. He noted the Welcome shift towards private organizations and the growing awareness of quality. The concepts of autonomy and accountability and different methods of resource mobilization would contribute to the progress of higher education in India. He also indicated that educational institutions perform for better when they are merely managed by professionals.

The post lunch session on Day-2 was allocated to academia industry connect.

The guests of honor Dr. Rama Krishna, M.D., Efftronics Systems Pvt. Ltd. and Mr. P. Srinivas, Director-Zauba Corporation, Hyderabad made two presentations on what the industry looks for in young engineers.

Dr. Rama Krishna from his vast experience abroad has clearly stated that there is greater productivity in the



west. There is a great change between India and the west as far as best practices and methodologies are concerned. He opined that wealth has to be created and clarity of purpose is needed for that. Indian mindset and learning methods belong to the 17th Century which shows that Indians have missed all the fruits of industrial revolutions.

About industry academia interactions he said India has to adopt two policies immediately (1) the students must go for internship of six months once during graduation and (2) students have to be prepared for the jobs they are going to handle. He said that of all those who undergo internships at least 40% of the students will be getting employment.

The second suggestion by Dr. Radha Krishna was that, all faculty should go on a one-month visit to an industry once every two years. This will facilitate exchange of knowledge between industry and university. The teacher would also get to know who technology works.

Delegates from various organizations presented their papers.



Mr. Srinivas in his presentation was very critical about teaching and pedagogy. A teacher should create a learner. The student should become an explorer.

Industry prefers learners, explorers and problem solvers. In the USA only 10% teaching is done and 50% of the time the student concentrates on learning methodology. They should also know time management. The industry needs people who can plan, implement and solve problems. It is imperative the teaching pedagogy in universities should undergo suitable changes.



FEEDBACK

The feedback from the delegates was highly encouraging. While all of them agreed that this Conference is just the need of the hour they gave their perspective suggestions on many other parameters.

A whopping 82% of the audience felt that the inaugural address by Dr. P. Agrawal was 'highly motivating' and 28% felt it combined vision with innovation.

But overall the conference by general consent was related highly as one rich in content and serious in intent.

The key-note address by Dr. V S Prasad was voted by 75% as imaginative, 15% thought it was "informative" and 10% felt it was 'initiative'.

The three panel Discussions were found to be highly satisfactory with the one on IQAC systems getting the lions share of the delegate vote at 82%, while the one on Academic Leadership was a close second at 77% and the one an Industry-Institute connect was voted by 66% but it took the house by its popular appeal and the highly elite and evedite Guests of Honor.

The address by Dr. V. Venkaiah, former Vice-Chancellor of Krishna University, established once again the crucial role that 'tradition' plays in the Indian education system and what we need for the future is a continuum rather than the exclusion of one for the other. His speech was voted by 64% as 'strong on content' 12% as well-researched and 24% felt it was both 'strong on content and well researched'

The papers presented at the conference were rated between 68% and 56%.

The delegates showed a moderately mixed reaction to the three organizational aspects of the conference with 78% satisfied by the implementation of the program schedule 76% with hospitality and with transport.

The Two-Day National Conference concluded with distribution of certificates to the participants.



(IV) RANKINGS AND AWARDS

S.No.	Ranking Body	Rank
1.	Times Annual Engineering College Ranking Survey - 2019	All India 12th Rank
2.	OUTLOOK – DRSHTI Engineering Colleges Survey-2019	All India 39th Rank
3.	All India Engineering Survey – 2019 by Cognitive Stats & Research	Submitted (in process)
4.	QS India Rankings 2019	71 – 75
5.	AP Green Awards	<ul style="list-style-type: none"> ▪ Rank 1 AP Green Awards Under Universities (Private) category. ▪ Rank 3 AP Green Awards Under Individual Home Gardens (Private) Category.
6.	Students` Choice Awards - 2018	<ul style="list-style-type: none"> ▪ Best Private University Award ▪ Engineering College Best Canteen Award.
7.	Netacad cybersecurity Learn a thon.... Recognition from CISCO Networking	<ul style="list-style-type: none"> ▪ 2nd Place winner in the Academy National Champions ▪ 2nd Place winner Riaz Shaik.
8.	Indian Education Network at 6th Skill Development Summit – 2018	<ul style="list-style-type: none"> ▪ Got Best Higher Education Institute for Skill Development.
9.	BMQR, Chennai	ISO 9001:2015 Certified.

KLU Startups



1. SLAUGHTER BLADE STUDIOS (Gaming platform based on war stories)

Slaughter Blade Studios is a group of enthusiasts that created games based on real time war stories, remarkable missions, untold soldier stories to bring the un-selfish work of soldiers to world who made our life secure. SBS work majorly on PC (computer) games to give entertainment (to the people who are interested in gaming).

SBS Immediate customers are gaming enthusiasts, Casual gamers in the age group of 18-30

The gaming Startup idea impacts people with ethical values which is reflected on each game' s objective. It immediately reaches to the gamers who play FPS (First Person Shooter) based story games and get entertainment along with ethical values from our story.

Uniqueness: The novelty of SBS' s each unique story includes an original mission. In terms of technology SBS is using marker-less motion capture and 3d scanning.

Basic Modules in the project are: 1. Character Design, 2. Level Art, 3.Motion Capture, 4.Minimal asset design, 5. Voice overs, 6. Sound Design, 7. Game mechanics, 8. Quest Designing, 9. VFX modules and 10.Camera Rigging. Of the 10 modules six are under development.

Future Scope: In future SBS is going to launch a multiplayer for real time soldier game



2. Prakruthika:

Prakruthika is a young and dynamic company whose mission is to manufacture and deliver cost-efficient the best consumer products in the world for our customers. All operations are based on company values - improving our customer's well-being and combining our efforts to care for the environment. The company is manufacturing high quality and easy to use products of natural origin in hair care (shampoo), personal wellbeing, functional foods and millet based breakfast cereals. Mangrove honey is currently largest selling product besides herbal hair shampoo. Most of natural products are based on centuries old Ayurvedic principles without less or no chemicals additives or preservatives.



Founder: Aditya Sai Swarup, M



Herbal Hair Wash with no sulfates

3. STRATTON.AI (A Startup based on personalised medical assistance and smart homes)

Stratton is a startup working towards bringing highest form of luxury in terms of personalised medical assistance and smart home automation. With the intention of implementing artificial intelligence in most prominent fields of human lives, Stratton is introducing the AI technology in the field of radiology to predict abnormalities in the human body thereby trying to predict the probable occurrence of the disease with accuracy and greater precision.

Stratton is also providing AI based home automation wherein a virtual home assistant serves the user with respect to every possible requirement. Stratton is looking forward to serve and envision a better society and are committed to make it a reality by developing products and providing services that provide luxury and better human lives.

Products: Stratton is developing two products, Personalised Medical Assistance and Smart Homes.

Medical Assistance: Medical image analysis using artificial intelligence to detect abnormalities in every part of the human body whose analysis in the scope of the field of radiology. The algorithms that we have developed make predictions taking in brain MRIs and lung CT scans as input. We have trained the algorithm with over a million scans and have an appreciable accuracy score for predictions.

Smart Homes: Virtual home assistance using the Internet of things and artificial intelligence. The goal we have for the product is that, while at home the user must be able to control all electrical appliances through the voice interface. Using the application, on the other hand, must only be required for remote access outside the home, such would be the luxury we provide.

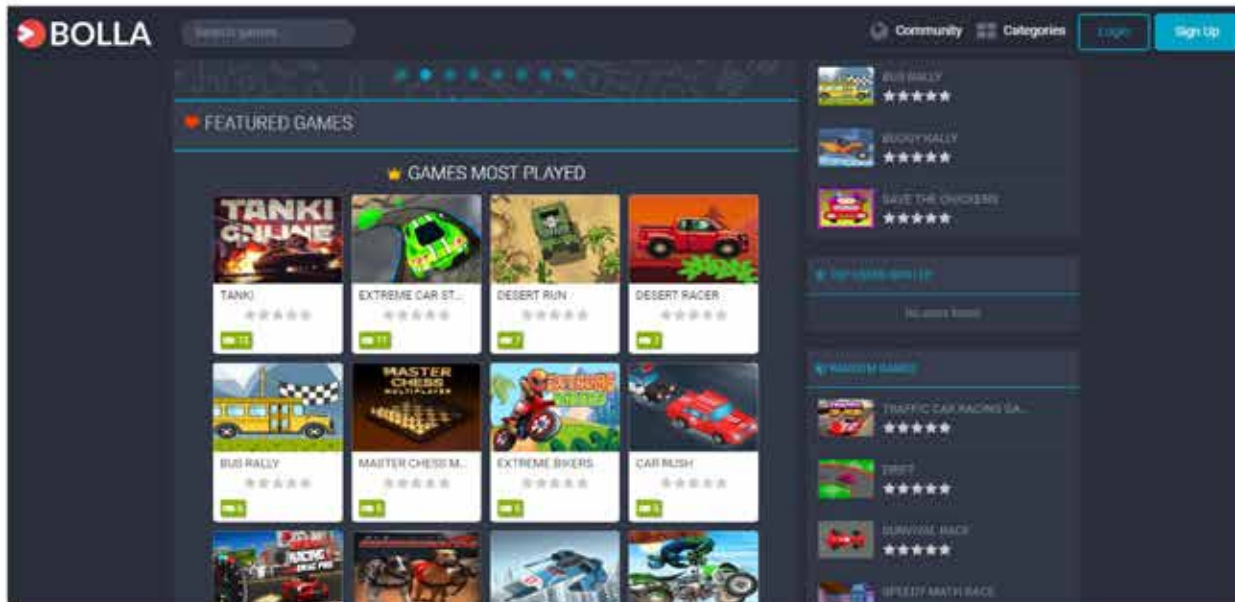


Founder: Manoj Kolluri



4. Bolla Games

Games Bolla is a gaming platform that focuses on socialized gaming i.e. bringing out social interactions through gaming. It is a one-stop destination for Instant Games. A platform for super casual games that removes the friction of downloading games from app stores. Games Bolla also develops mobile games and features robust review system. Games Bolla utilizes a special technology called Instant Gaming that loads the lite version of a game, within a minute using very less amount of data and consuming less amount of memory.



Categories of various games available at Games Bolla
Bolla Sai Krishna, Founder and CEO

5. Naplocks:

Driver fatigue monitoring system is developed for eyelid identification to detect driver' s fatigue or nap. This device alerts the driver if he is in a fatigue status by providing a warning alarm and a vibrator cushion which avoids nap and keeps the driver awake.



Yashwanth Nanduru
Founder & CEO



Nikhil Pradeep Chittoor
R&D Advisor



Naplocks LOGO

6. GoOffer:

GoOffer is a platform helps you to compare the prices in offline stores to pick the best deal in the right store, Our Mission is to create the One-stop shop for extreme discounts and offers to the consumers. Make every purchase using GoOffer to save on every little thing. We Bridge the gap between the consumers and merchants and provide Real-time basic search services to the consumers. We provide reliability of information that offers/discounts will be updated by the merchant itself and validated by GoOffer team. You will always find lots of deals on Clothing, Home Appliances, Footwear, Food, Electronics, Furniture, Fashion, and Beauty. Based on your area and interest our application will suggest you with deals around you. So, A person can just open our web app and just have a quick look at the deals available and he can go to store directly that saves the time and effort of the consumer.

- Surya Teja Marella, Founder and CEO

7. Agro-Maker:

AGRO MAKER has developed its patent-able technology called BIOCUBATOR which is the biodegradable incubator for young tree seedlings that is used to plant trees in dry and degraded areas using only 20 lit of water per tree mainly the incubator is to designed to prevent the growth of the weeds around the base of the seedlings this can further eliminate the maintenance and mulching costs, and ensures that no water is lost to evaporation or competition from weeds.

- Mr. Shaik Mahmood, CEO (Agro-Maker), Nirmala College of Pharmacy

- Mr. Gupta Pandiri, COO (Agro-Maker), KL University

8. EE Modules:

EE modules is an Agriculture Motor Control by GSM to reduce water wastage and to minimize Farmer' s physical strain. The device controls Agriculture motor from remote areas through messaging and calling. The device will control and monitor low and high voltage fluctuations across motor and protects the motor from fusing off! The Agriculture farm can be automated with low cost and even without internet signals.



EE Modules Logo



Operation of Agriculture motor



NCC ANNUAL TRAINING PROGRAMME

Date: 01/05/2019 to 10/05/2019, 03/06/2019 to 12/06/2019 Place: VRS&YRN College Chirala

Boys of KLEF, other colleges & High School students have participated in the NCC camps which conducted at VRS&YRN COLLEGE from 01/05/2019 to 10/05/2019, 03/06/2019 to 12/06/2019, 30/6/2019 to 09/06/2019 in Chirala (ATC-1 & CATC Annual Training camp). 22 'A' Bn N.C.C Tenali commanding officer Lieutenant Colonel JA Mir(S.M.Medal) has inaugurated and gave training Physical fitness , Drill, Weapon Training ,Social Service. From them merit cadets are selected for T.S.C & R.D.C . Welt of successfully for ten days.

Event Photos:





RESEARCH PUBLICATIONS

5467	Dr.Sarada Prasanna Mallick	Design and evaluation of chitosan/ chondroitin sulfate/nano-bioglass based composite scaffold for bone tissue engineering	International journal of biological macromolecules	16-Apr
5208	Rupita Ghosh	Preparation of ex-situ mixed sintered biphasic calcium phosphate ceramics from its co-precipitated precursors and their characterization	Preparation of ex-situ mixed sintered biphasic calcium phosphate ceramics from its co-precipitated precursors and their characterization	Transactions of the Indian Ceramic Society
4253	M. S. R. Krishna	Integrated approaches to study the drought tolerance mechanism in hot pepper		



INDUSTRY ORIENTED CURRICULUM

Department of Biotechnology has organized Industry Oriented Curriculum 2019-20 with Biocon company, Bangalore. In which all the faculty memebres have actively participated in that meeting and came up with their sugessions.



TOT PROGRAM ON ELECTRICAL DISTRIBUTION ENGINEERING FOR PS RESEARCH GROUP FACULTY MEMBERS

Power Systems research group faculty members of Electrical and Electronics Engineering Department under gone for ToT program on “Electrical Distribution Engineering “organized by Power Sector Skill Council of India and hosted by KLEF. The entire program was scheduled for 4 weeks.

Dates of conduction of Program: 15-05-2019 to 24-05-2019 (Theory classes)

17-06-2019 to 29-06-2019 (On Job Training)

Detailed Report Enclosed with Photographs

2. FACULTY PUBLICATIONS

Journals:

S.No	Title of the Article	Name (s) of the Author	Published Journal Name	National/ International	ISSN	Indexing
1	Solar PV fed non-isolated DC-DC converter for BLDC motor drive with speed control	Raja Sekhar, G.G., Banakar, B.	Indonesian Journal of Electrical Engineering and Computer Science	International	2502-4760	Scopus
2	Analysis of series/ parallel multilevel inverter with symmetrical and asymmetrical configurations	Nagaraju, M., Kumar, M.K.	International Journal of Power Electronics and Drive Systems	International	2088-8694	Scopus
3	A review of recent advancements in flux reversal permanent magnet machine (FRPMM)	Bharathi, M., Kiran Kumar, M., Chandra Sekhar, O., Ramamoorthy, M.	International Journal of Recent Technology and Engineering	International	2277-3878	Scopus
4	Enhanced PV solar power system design with a mppt controller as a function of temperature	Yeddu, D., Kota, S., Pakkiraiah, B.	International Journal of Innovative Technology and Exploring Engineering	International	2278-3075	Scopus

5	Performance Analysis of PI & Fuzzy Based UPQC for Power Quality Improvement	A J V Sai Krishna, J Somlal	International Journal of Engineering and Advanced Technology	International	2249-8958	Scopus
6	Digital automation in monitoring of life test setup of LED lamps using embedded systems	Mangalagiri, V.K., Gujar, N.S., SrinivasaVarma, P.	International Journal of Innovative Technology and Exploring Engineering	International	2278-3075	Scopus
7	DC droop control strategy for dynamic load sharing in DC microgrid	Padi, S.T., Kundurthi, S., Srinivasa Rao, Y.	International Journal of Innovative Technology and Exploring Engineering	International	2278-3075	Scopus
8	Implementation of zero current switch turn-ON based buck-boost-buck type rectifier for low power applications	Nagi Reddy, B., Chandra Sekhar, O., Ramamoorthy, M.	International Journal of Electronics	International	0020-7217	Scopus
9	Photovoltaic - Standalone system with SMES-battery energy storage system cascaded MLI for rural area applications	Kumar, B.P., Srikanth, M.	International Journal of Recent Technology and Engineering	International	2277-3878	Scopus
10	Predictive back-to-back SCHVC for renewable wind power system for scrutinizing quality and reliability	Bodha, V.R., Srujana, A., Chandrasekhar, O.	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	International	1556-7036	Scopus
11	PSO algorithm support switching pulse sequence ISVM for six-phase matrix converter-fed drives	Amarendra, C., Harinadha Reddy, K.	Smart Innovation, Systems and Technologies	International	1303-6203	Scopus
12	Power quality enhancement by MPC based multi-level control employed with improved particle Swarm optimized selective harmonic elimination	Narender Reddy, N., Chandrashekar, O., Srujana, A.	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	International	Article in press	Scopus
13	Recognition of islanding data for multiple distributed generation systems with ROCOF shore up analysis	Reddy, C.R., Reddy, K.H., Reddy, K.V.S.	Smart Innovation, Systems and Technologies	International		Scopus
14	Generation rescheduling using multiobjectivebilevel optimization	KiranBabuVakkapatta, SrinivasaVarmaPinni	Turkish Journal of Electrical Engineering & Computer Science	International		SCI, Scopus
15	Forecasting of Solar PV Output Power using Artificial Neural Network	SudhaDukkipati	International Journal of Engineering and Advanced Technology	International	2249 – 8958	Scopus
16	Performance Enhancement of Asynchronous Machine with Super Capacitor	MalliguntaKiran Kumar		International		Scopus
17	Automatic Wireless Mobile Charger Using Arduino Feedback	M Srikanth	International Journal of Innovative Technology and Exploring Engineering	International	2278-3075	Scopus

18	Photovoltaic - Standalone System with SMES-Battery Energy Storage System Cascaded MLI for Rural Area Applications	M Srikanth	International Journal of Recent Technology and Engineering	International	2277-3878	Scopus
19	A Novel PV/T solar Collector System with Hybrid Energy Storage Units and Solar Heaters	S Palani Kumar	International Journal of Innovative Technology and Exploring Engineering	International	2278-3075	Scopus
20	Advance Control Scheme for Correction of Power Factor and Voltage Stability by Using Electric Spring	S Palani Kumar	International Journal of Innovative Technology and Exploring Engineering	International	2278-3075	Scopus
21	Multi Terminal Transmission Line Fault Detection using ANN and Wavelet Packet Decomposition	Y Srinivasa Rao	International Journal of Engineering and Advanced Technology	International	2249 – 8958	Scopus
22	DC Droop Control Strategy for Dynamic Load Sharing in DC Microgrid	Y Srinivasa Rao	International Journal of Innovative Technology and Exploring Engineering	International	2278-3075	Scopus
23	Analysis of the Transient Stability on IEEE 14-Bus System using UPFC damping control	Sk.Moulali,	International Journal of Innovative Technology and Exploring Engineering	International	2278-3075	Scopus
24	A Dual Wireless power transfer-Based Battery Charging System for Electric Vehicles	S. Ravi Teja,	International Journal of Engineering and Advanced Technology	International	2249 – 8958	Scopus
25	Design of Wireless Power Transfer Converter Systems for EV Applications Using MATLAB/ Simulink	Sk.Moulali,	International Journal of Innovative Technology and Exploring Engineering	International	2278-3075	Scopus
26	Comparative Analysis of MPPT with Tracking Panel Mechanism and Fixed Panel Arrangement	K Venkata Siva Reddy	International Journal of Recent Technology and Engineering	International	2277-3878	Scopus
27	Fuzzy Logic Based iUPQC for Grid Voltage Regulation at Critical Load Bus	KalyanDusarlapudi	International Journal of Innovative Technology and Exploring Engineering	International	2278-3075	Scopus
28	A Six Servo Six DOF Position Controlled Platform for Sorting Application	KalyanDusarlapudi	International Journal of Engineering and Advanced Technology	International	2249 – 8958	Scopus
29	Controlling of Wireless Electric Vehicle Charging with Five Phase Inductively Coupled Resonant Converter	K. P. Prasad Rao	International Journal of Innovative Technology and Exploring Engineering	International	2278-3075	Scopus

30	A Novel Methodology for Single Phase Transformerless Inverter with Leakage Current Elimination for PV Systems Application	G G Raja Sekhar	International Journal of Innovative Technology and Exploring Engineering	International	2278-3075	Scopus
31	Fast Acting MPPT Controller for Solar PV with Energy Management for DC Microgrid	T. Vijay Muni & S.V.N.L.Lalith	International Journal of Engineering and Advanced Technology	International	2249 – 8958	Scopus
32	Power Management Strategy in Solar PV System with Battery Protection Scheme in DC Microgrid	T. Vijay Muni & S.V.N.L.Lalith	International Journal of Innovative Technology and Exploring Engineering	International	2278-3075	Scopus
33	Comparative Analysis of Perturb and Observe Method and Current Based Method	M Naga Chaitanya	International Journal of Innovative Technology and Exploring Engineering	International	2278-3075	Scopus
34	Active Filter Control Strategies for Renewable Power Generation Systems using ANN Controller	T Vijay Muni	International Journal of Innovative Technology and Exploring Engineering	International	2278-3075	Scopus

Conferences:

S. No	Title of the paper	Name of the author/s	Name of the conference
1	Performance Analysis of Hysteresis Voltage and Current Control of Three Phase-Four Wire UPQC	ShamshulHaq S Lenine, D., Lalitha, S.V.N.L.	National Power Engineering Conference, NPEC 2018

3. PATENTS APPLIED:

S. No	Name of the patents	Name of the Principal Investigator	Name of the Co-Investigator	Date of application	Published or not
1.	A method for power system congestion management using parallel computing	Dr. P. Srinivasa Varma	Mr. V. Kiran Babu	20-02-2019	Applied
2.	Li-Fi based home automation	K P Prasada Rao, Dr. P. Srinivasa Varma	K. Mohith	25-04-2019	Applied

4. WORKSHOPS/SEMINARS/GUEST LECTURERS CONDUCTED

S. No	Dates	Title of the program organised
1	14th March 2019	Workshop On "Drone Technologies"
2	18th March 2019	Seminar on "Building Novel and Useful Stuff Using Undergraduate Controls"
3	2nd April 2019	Workshop on "Technical Documentation using LATEX"

5. WEBINARS CONDUCTED

S. No	Date and Time	Title of WEBINARS	Name of the resource Person / organisation
1	Mon May 6 , 2019	UMass Lowell Research in Engineering Webinar 4 "Grand challenges in complex systems: Applications in robotic swarms and autonomous vehicles"	Dr. Kshitij Jerath Assistant Professor, Mechanical Engineering University of Massachusetts Lowell
2	Mon May 13 , 2019	Structural Dynamics Identification via Computer Vision and Data Analytics in Structural Health Monitoring	Dr. Zhu Mao Assistant Professor, Mechanical Engineering University of Massachusetts Lowell
3	Wed, Apr 3, 2019	"ICTIEE 2019 Paper Webinar: Use Of Kahoot As A Formative Assessment Tool In Engineering Education"	Shweta Dhawan Chachra KJ Somaiya College of Engineering
4	Wed, Apr 10, 2019	"Design, development of Android application for teaching, learning with mobile computing devices"	Anjali Santosh Chachra KJ Somaiya College of Engineering Mumbai
5	Mon April 15 , 2019	UMass Lowell Research in Engineering Webinar 1 "Magnetic gears and magnetically-g geared machines"	Siavash Pakdelian Assistant Professor, Electrical and Computer Engineering Department University of Massachusetts Lowell.
6	Thu, Apr 18, 2019	ICTIEE 2019 Paper Webinar: STEM Education as a Career for Engineering Graduates"	Aditya R Bhatnagar Drona Edutronics Pvt Ltd Chandigarh
7	Wed, Apr 24.04.2019,	Shedding light on Ai in Assessment – how to avoid the most common pitfalls	Mina Morris Shivanker Singh Ben Rooney
8	Wed, Apr 24.04.2019,	"A New Engineering Education for a New Era"	IFEES Global Webinar

6. WORKSHOPS ATTENDED BY FACULTY

Date(s)	Name of Workshop	Faculty Members Attended
17-06-2019 to 21-06-2019	One week FDP on ICT Mode (Online) Short Term Training Programme on "NBA Accreditation"	1.Dr.A.Pandian, 2.Dr.B.Jyothi 3. Mr G G Rajasekhar 4 Mr T Vijay Muni

7. STUDENT ACHIEVEMENTS IN GATE-2019

S.No	Course	Name of Student	Id Number	GATE Score	All India Rank
1	B.Tech	B Rama Krishna Srinivas	13006025	845	230
2	B.Tech	P Kavya	13006005	771	872
3	B.Tech	Vikas Pilli	150060071	280	23925
4	M.Tech	S Venkata Ramana	182062004	379	15466
5	M.Tech	M Rama Narayana Reddy	182062009	358	17063

8. FACULTY SERVED AS RESOURCE PERSONS:

S.No	Name of the faculty	Details of the Conference/ Workshops/ Seminars/ Guest lecture etc.	Served as Chair/panel member/ Resource person etc.	Date /Duration
1	Dr.S.V.N.L LALITHA	Faculty Development Program (FDP) on "Microgrids and Battery Energy Storage Systems"	Resource Person	11.05.2019

BRIEF REPORT ON POWER SECTOR SKILL COUNCIL (PSSC) TRAINING OF TRAINING (TOT) PROGRAM ON “ELECTRICAL DISTRIBUTION ENGINEERING”

Power Systems research group faculty members of Electrical and Electronics Engineering Department under gone for ToT program on “Electrical Distribution Engineering” organized by Power Sector Skill Council of India and hosted by KLEF. The program was designed to give more practical exposure and to resolve field problems. The entire program was scheduled for 4 weeks out of which 2 weeks theory classes in KLEF campus and the remaining two weeks completely On the Job Training. Er. M Durga Prasad and Er. D S Sarma retired Chief Engineers mentored the entire program. Along with Er. Durga Prasad and Er. D S Sarma, Mr. E. S. S. Shastry Research Consultant-REC and Er. D Ravi Kiran (ADE, SCADA) also delivered lectures during theory hours.

Faculty attended/Trained:

- | | | | |
|--------------------------|------------------------|-----------------------|--------------------------|
| 1. Dr. S V N L Lalitha | 5. Mr. D Seshi Reddy | 9. Mr. K P Prasad Rao | 13. Mr. K V Siva Reddy |
| 2. Dr. B Loveswara Rao | 6. Mr. R B R Prakash | 10. Mr. T Teja Sreenu | 14. Mr. P Siva Sankar |
| 3. Dr. J Somlal | 7. Mr. D Narasimha Rao | 11. Mrs. D Sudha | 15. Mr. S Rajasekhar |
| 4. Dr. P Srinivasa Varma | 8. Mr. Y Srinivasa Rao | 12. Mrs. G Swapna | 16. Mr. M Naga Chaitanya |

Theory classes scheduled as follows:

Day No	Date	Session	Topic	Resource Person
1	15-05-2019	FN	Indian Power Sector Scenario	Er. D. S. Sarma
		AN	Substations Visit	Er. D. S. Sarma & Er. M. Durga Prasad
2	16-05-2019	FN	Current Transformers and Potential Transformers	Er. M. Durga Prasad
		AN	Tariff Philosophy-Subsidy	Er. D. S. Sarma
3	17-05-2019	FN	At & C losses; Loss reduction in T&D system	Er. D. S. Sarma
		AN	Transformers	Er. M. Durga Prasad
4	18-05-2019	FN	SCADA	Er. Kiran Babu
		AN	Renewable Energy Resources	Mr. E. S. Shastry
5	19-05-2019	FN	Distribution System Planning	Er. D. S. Sarma
		AN	Types of Conductors, Cables and poles	Er. M. Durga Prasad
6	21-05-2019	FN	Earthing	Er. D. S. Sarma
		AN	Distribution system protection	Er. M. Durga Prasad

7	22-05-2019	FN	Accidents-Causes and Prevention	Er. D. S. Sarma
		AN	Tests conducted on C.Ts, P.Ts, Transformers, Circuit Breakers, Insulators	Er. M. Durga Prasad
8	23-05-2019	FN	ROLES & RESPONSIBILITIES OF	Er. D. S. Sarma
		AN	Revision	Er. M. Durga Prasad
9	24-05-2019	FN	Evaluation	Er. Parabrahmam, SE

On the Job Training conducted as follows:

Day No	Date	OJT Location	Description of topics
1	17-06-2019	G S Electricals (Distribution Transformers)	Construction of CTs and PTs Testing of CTs and PTs DFDV, OC,SC Tests on DTR
2	18-06-2019	R K Transformers (Power Transformers)	Design and Construction of 5MVA DTRs, Protection system
3	19-06-2019	HT & LT Metering (APSPDCL, Gunadala)	Single phase, three phase Meter testing
4	20-06-2019	APSPDCL Stores (APSPDCL, Gunadala)	Material entry, Different types of components in Distribution system, material inward and outward processing
5	21-06-2019	Earth Resistance Testing - (APSPDCL, Gunadala)	Earth resistance measurement, Megger connections, Earth pit design
6	24-06-2019	33/11kV Substation Design & Construction (Tenali and edlapalli)	Electrical drawing and Earth mat design and different equipment substation
7	25-06-2019	SCADA Center (APSPDCL, Gunadala)	Various components in SCADA, Controlling 23 SCADA connected substations.
8	26-06-2019	Energy Audit @ 33/11kV SS (Gunadala Substation)	Energy audit methodology for DTRs, conducting procedure
9	27-06-2019	Load Dispatch Center (APTRANSCO, Gunadala)	AP State load dispatch centre details-400kV, 220kV, 132kV networks, power generation, State and Central power plants in and out into the network, Availability Base Tariff
10	28-06-2019	Ring Main Unit, Sectionalizer, Auto Recloser (APSPDCL, Gunadala)	In Vijayawada seen RMUs, Sectionalizers and Auto reclosers at various locations their working. Fault processing Indicators working, communication protocols.
11	29-06-2019	OJT Evaluation	Er. Parabrhmam, SE-Training conducted paper based test and viva voce

At the end of theory classes and OJT evaluation was conducted both written examination and viva voce by external expert Er. Parabrahmam, SE in the presence of PSSC representative from Delhi office. On the Last day of the ToT program as a token of gratitude from KLEF, felicitation done to Mentors who facilitated the entire program.



GUEST LECTURES

1. CSE had organized the Guest lecture on Dynamic Web Publishing and Tensor Flow which was delivered by Dr. Ovidiu STAN, Senior lecturer Dept. of Automation Technical University of Cluj Napoca, Romania from 25.02.2019 to 02.03.2019.

He delivered session on the Dynamic Web Publishing the covered topics were:

Setting Up the Development Environment

Install the Java Development Kit (JDK), Java Web Applications (Tomcat), Java Integrated Development Environment (Eclipse) Java Server Page (JSP) - Lifecycle, Scripting Elements (Expressions, Scriptlets, Declarations, Use of the Java Class, Built-In Objects, Including Files, HTML Form, Cookies Handling, Auto Refresh, Page Redirecting)

Java Servlet

How to use Servlet, Servlet and HTML, doGet and doPost method, doGet vs doPost, HTML Form

Model View Controller

Concept, Use Cases, MVC with JSP and Servlet, Login Application based on MVC model using JSP and Servlet Creating a MVC application using JSP, Servlet and MySQL

For the TensorFlow lecture, following aspect were covered:

- State of the art of the Artificial Intelligence domain
- Deep learning concept
- Machine Learning vs Traditional Approach
- What is an Artificial Neural Network (ANN)
 - b. Aspects of the ANN (layers, optimize function, loss function, activation function - RELU & Sigmoid)
 - c. Train an ANN
 - d. Overfitting (what it is and how can be avoid - Data Augmentation & Dropout)
 - e. Underfitting (what it is and how can be avoid - Dropout)
 - f. Create, train and predict a practical example with ANN using TensorFlow and Keras API
- What is a Convolutional Neuronal Network (CNN)
 - g. Aspects of the CNN(layers, optimize function, loss function, activation function - RELU & Sigmoid)
 - h. Train a CNN

- i. Overfitting (what it is and how can be avoid - Data Augmentation & Dropout)
- j. Underfitting (what it is and how can be avoid - Dropout)
- k. Create, train and predict a practical example (dog and cat image identification) with CNN using TensorFlow and Keras API
- l. How to use a public model (VGG16) in order to create, train and predict a practical example (dog and cat image identification)
- m. Filter type and practical examples
- n. Create a method in order to Reproducible Model

How to use Flask in order to create a WebApplication with an ANN or CNN model previously created with TensorFlow



2. Mr K. Yellaswamy Assistant Professor CSE has given the lecture on Advanced Web Technologies in MLR Institute of Technology, Hyderabad

3. Dr G Syam Prasad Professor CSE has delivered the lecture on Theory of Computation in Chadalawada Ramanamma Engineering College , Tirupathi

- c) Professional society activities
- d) Student association activities
- e) Industry relevant training / visits

1. Network Security and Forensic research group of CSE conducted a 9 days Faculty Development Program on "Cyber Attacks and Security". An industry expert Mr. D. Sai Satish from Indian servers Vijayawada has delivered session on various Cyber attacks and the security mechanisms. The Faculty from the NSF research group and faculty belong to cryptanalysis and cyber defence and the students had attended the FDP

2. Artificial Intelligence and Data Science research group of CSE has organized FDP on Advanced Deep Learning Techniques in association with NITW EICT Academy by coordinator Dr DVLN Somayajulu.



1. Dr.Chakraverthy Bhagavati from University of Hyderabad, delivered session on Deep learning Fundamentals, Application, Architectures and case Studies
2. Mr.M.Srinivas from IIIT H conducted Lab sessions on ANN, CNN, RNN, GAN, Image segmentation and classifications, Medical Segmentation Analysis using keras and Tensor flow
3. Dr.S Nagesh Bhattu NIT AP has delivered lecture on Language Models, Word Embeddings, Sequence Labelling with CRF, Entity Recognition and POS Tagging Applications, Attention Models and Tensor Flow – Hands on with LSTMS

60 faculty and research scholars from Andhra Pradesh, Telangana, Tamil Nadu, Maharashtra had attended the FDP Program



3. A Faculty Development Programme (FDP) on Data Science using Spark R is Organized by CSE and Academic Staff College in Association with ELECTRONICS & ICT ACADEMY, NIT WARANGAL (Sponsored by Ministry of Electronics and Information Technology (MEITY), GOI) from 10th to 15th June 2019

Resource Persons:

Academicians from NITs JNTU Kakinada and Industry
 Prof P Radha Kirshna, NIT, Warangal;
 Prof V Ravindranath, JNTUK, Kakinda
 Mr. Pawan Kumar, Citibank, Bangalore;
 Mr. Bhatt Dittakavi, CEO, Varaince.ai, Hyderabad
 Dr T Ramakrishudu, NIT, Warangal ,
 Dr. S Karthick, NIT AP

Major Course Contents Delivered by Resource Persons:

- f) Data Science fundamentals using Spark R
- g) Probability Analysis, Inference and Modeling, Linear and Logistic Regression using R
- h) Parallel Probabilistic Graphical Models for Text Analytics,
- i) Statistical/graphical models for Large-scale graph analytics (community detection), speech processing and NLP,
- j) Case studies and latest research applications
- k) Sponsored Projects using Data Science
- l) Spark R Installation, SPARK R: Transformation features, Visualization features.
- m) Hands on session on the above topics are provided.

5. Mr. Rao Surapaneni -Vice President of Engineering, Head of India Operations, ServiceNow has visited KL on 8th April interacted with the students regarding SNAPP Program and currents trends in industry.



n) Faculty Achievements

1. Dr. G Pradeepini got consultancy work of worth 40000 for the project of Detection and classification of brain tumor using machine learning algorithms by LINTEL Technologies Pvt Ltd
2. Mr Abhisek Setty Assistant Professor was awarded with Best paper award by Satyabhama Institute of Science and Technology- IAIM 2019

o) Student Achievements /External participation

1. Gopi Bhuvan Kumar (180030052) of CSE registered the startup Clasp Box
2. N.V.Hemanth (170030917) of CSE registered start up Breakedge Pvt Ltd (Elitewipers)
3. P. Bhargav Ram (160031013) of CSE registered start up Agricultural Robot
4. K.Sai Sree Harsha (170030592) and U.Satish Varma (170031313) of CSE registered start up Vivaah - The Best Day of Your Life
5. Mohit Sagar Suchari (180031075), Imran Hussain (180031248) and K. Laxmi Narayan(180031255) of CSE registered start up Vardiscycle
6. M. Siva Kumar (170030749) and S. Eswar (170031211) of CSE registered start up Aiko

p) Department's Recognition – at National / International Level

NIL

q) Webinars – Students

r) Research

A) Workshops/Seminars /Guest lectures

1. Dr Sagar Imambi Associate Professor CSE has delivered the lecture on Statistics with R programming in Narasaraopet Engineering College
2. Dr Mohammed Ismail B Associate Professor CSE has delivered the lecture on Biologically Inspired Algorithms in Digital Image Processing in Sri Krishna

B) Webinars – Students

1. Nisha Gupta, Tata Consultancy Services delivered the webinar on RPA Sessions that was organized by CSE on 03-04-2019, 11:30 – 12:30.
2. Nisha Gupta, Tata Consultancy Services delivered the webinar on MS Luis Session that was organized by CSE on 04-04-2019, 10:30 – 11:30.
3. Nisha Gupta, Tata Consultancy Services delivered the webinar on Cloud Session that was organized by CSE on 08-04-2019, 11:30 – 12:30.
4. Sri vidyabansal, Arizona state university delivered the webinar on Software Engineering Tools and Processes. A hands on learning experience that was organized by CSE on 24-04-2019, 10:30 – 11:30.
5. ThanikachalamVedhathiri, National Institute of Technical teachers Training and Research Chennai delivered the webinar on ICTIEE Paper Webinar: Planning Flexible Learner- Centered Curricula in Engineering and Technology that was organized by CSE on 2-05-2019, 10:30 – 11:30.
6. Dr.ThanikachalamVedhathiri, National Institute of Technical teachers Training and Research Chennai, India delivered the webinar on ICTIEE Paper Webinar "Contribution To Diverse Engineering Faculty And To The South Asian Regional Development" that was organized by CSE on 9-05-2019, 10:30 – 11:30.
7. Dr.Mamatha M.N Assistant Professor, Dept of electronics and instrumentation Engineering B.M.S college of engineering Bangaluru delivered the webinar on Distributed cognition considered as a single cognition system among learners that was organized by CSE on 21-05-2019, 3:30 – 4:30.
8. NeerajBuch delivered the webinar on SVirtual Academy: The Core Experience: An Integrated Academic and CoCurricular First year Engineering Program that was

organized by CSE on 25-05-2019, 3:30 – 4:30.

9. Dr. Inderpreet Kaur, Professor & Head(Electrical & Electronics Engineering) Chandigarh University, Gharuan(Pb.) delivered the webinar on Virtual Academy: Importance of Creativity and Critical Thinking in Research Methodology that was organized by CSE on 6-06-2019, 3:30 – 4:30.

Publications:

10. Mane, P.M., Sheela Rani, C.M., published a paper entitled High data availability with effective data integrity and user revocation using abe scheme for cloud storage in International Journal of Innovative Technology and Exploring Engineering – Scopus Indexed ISSN:2278-3075
11. Arage Chetan, S., Satyanarayana, K.V.V., published a paper entitled Novel routing protocol for secure data transmission in wireless ad hoc networks in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
12. Siva Thiridha, S., Satyanarayana, K.V.V., Tabassum, S.K., Hima Vamsi, G. published a paper entitled An efficient pricing strategy based on tilization of the user in GPUACC (GPU-accelerated cloud computing) in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
13. Potharaju, S.P., Sreedevi, M., Amiripalli, S.S., published a paper entitled Machine learning techniques to improve the results of student performance in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
14. Naga Pavan Srivathsav, C., Anitha, K., Anvitha, K., Maneesha, B., Sagar Imambi, S. published a paper entitled Detection of disaster affected regions based on change detection using deep architecture in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
15. Navya Krishna, G., Sai Pooja, G., Naga Sri Ram, B., Yamini Radha, V., Rajarajeswari, P. published a paper entitled Recognition of fake currency note using convolutional neural networks in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075

16. Rupa Sri, G., Supriya, A.L., Reddy, E.R.A., Mandhala, V.N. published a paper entitled An efficient test case prioritization using hierarchical clustering for enhancing regression testing in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-307
17. Vignesh, U, Vasanthi, N., Srinivas, D., Sashank, K published a paper entitled Survey on sensing algorithms for solid waste management in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
18. Reddy, B.T., Chowdary, C.H.A., Tirupathiraidu, C.V., Vamsi, G.K. published a paper entitled A secure and efficient fog computing storage using bio-metric in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
19. Bommadevara, H.S.A., Sowmya, Y., Pradeepini, G. published a paper entitled Heart disease prediction using machine learning algorithms in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
20. Kiranbabu, M.N.V., Satyanarayana, K.V.V. published a paper entitled Inquisition the prospect of ranking cloud service provider using distinctive algorithms in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
21. Venkata Ramana, N., Kolli, C.S., Ravi Kumar, T., Nagesh, P. published a paper entitled Hybrid K-Mir algorithm to predict type of lung cancer among stoicism in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
22. Lakshmi Prasanna, P., Rajeswara Rao, D. published a paper entitled Probabilistic recurrent neural network for topic modeling in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
23. Sai Prasanthi, M., Katragadda, V.B., Perumalla, H., Sowmya, B published a paper entitled Hybrid approach for securing the IoT devices in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
24. Phani Madhuri, N., Meghana, A., Prasada Rao, P.V.R.D., Prem Kumar, P published a paper entitled Ailment prognosis and propose antidote for skin using deep learning in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
25. Rajesh, B., Nagesh, P., Gowtham, K., Vivek, G., Srinivasu, N. published a paper entitled A new scheme to safeguard data for cloud integrated internet things in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
26. Lakshmi Prasanna, P., Rajeswara Rao, D. published a paper entitled A text mining research based on topic modeling using latent dirichlet allocation in International Journal of Recent Technology and Engineering Scopus Indexed ISSN:2277-3878
27. Sale, M.D., Prakash, V.C published a paper entitled Dynamic dispatching of elevators in elevator group control system with time-based floor preference in International Journal of Recent Technology and Engineering Scopus Indexed ISSN:2277-3878
28. Sajana, T., Narasingarao, M.R. published a paper entitled Majority voting algorithm for diagnosing of imbalanced malaria disease in Lecture Notes in Computational Vision and Biomechanics Scopus Indexed ISSN: 10.1007/978-3-030-00665-5_4
29. Potharaju, S.P., Sreedevi, M published a paper entitled A novel LtR and RtL framework for subset feature selection (reduction) for improving the classification accuracy in Advances in Intelligent Systems and Computing Scopus Indexed ISSN:10.1007/978-981-13-1708-8_20
30. Dhote, B.L., Krishna Mohan, G. published a paper entitled Trust and Security to Shared Data in Cloud Computing: Open Issues in Advances in Intelligent Systems and Computing Scopus Indexed ISSN:10.1007/978-981-13-2673-8_14
31. Mannava, V., Kodeboyina, S.S., Bodempudi, S.B., Addada, C.S.P. published a paper entitled An agent-based approach for dynamic load balancing using hybrid NSGA II in Advances in Intelligent Systems and Computing Scopus Indexed ISSN:10.1007/978-981-10-8639-7_64
32. Mane, S.U., Narsinga Rao, M.R. published a paper entitled Large-scale compute-intensive constrained optimization problems: GPGPU-based approach in Advances in Intelligent Systems and Computing Scopus Indexed

ISSN:10.1007/978-981-13-0589-4_54

33. Amiripalli, S.S., Bobba, V., Potharaju, S.P. published a paper entitled A novel trimet graph optimization (TGO) topology for wireless networks in Advances in Intelligent Systems and Computing Scopus Indexed ISSN:10.1007/978-981-13-0617-4_8
34. Shanmukhi, M., Amudahavel, J., Vasanthi, A., Naga Sathish, G. published a paper entitled A comparison review on combâ€“needle model for random wireless sensor networks in IAdvances in Intelligent Systems and Computing Scopus Indexed ISSN:10.1007/978-981-13-1580-0_42
35. Mohammad, A.A.K., Mahmood, A.M., Vemuru, S. published a paper entitled Providing security towards the MANETs based on chaotic maps and its performance in International Lecture Notes in Electrical Engineering Scopus Indexed ISSN:10.1007/978-981-13-1906-8_16
36. Praveen, S.P., Rao, K.T. published a paper entitled An effective multi-faceted cost model for auto-scaling of servers in cloud in Smart Innovation, Systems and Technologies Scopus Indexed ISSN:10.1007/978-981-13-1921-1_58
37. Videla, L.S., Rao, M.R.N., Anand, D., Vankayalapati, H.D., Razia, S. published a paper entitled Deformable facial fitting using active appearance model for emotion recognition in Smart Innovation, Systems and Technologies Scopus Indexed ISSN:10.1007/978-981-13-1921-1_13
38. Lalithendra Nadh, V., Syam Prasad, G. published a paper entitled Stock Market Prediction Based on Machine Learning Approaches in Springer Briefs in Applied Sciences and Technology ISSN:10.1007/978-981-13-0544-3_7
39. Kolla, B.P., Raman, A.R. published a paper entitled Data Engineered Content Extraction Studies for Indian Web Pages in Advances in Intelligent Systems and Computing Scopus Indexed ISSN:10.1007/978-981-10-8055-5_45
40. Lavanya, K., Reddy, L.S.S., Eswara Reddy, B. published a paper entitled A Study of High-Dimensional Data Imputation Using Additive LASSO Regression Model in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:10.1007/978-981-10-8055-5_3
41. Prathima, C., Reddy, L.S.S. published a paper entitled A survey on efficient data deduplication in data analytics in SpringerBriefs in Applied Sciences and Technology Scopus Indexed ISSN:10.1007/978-981-13-0059-2_12
42. Rakesh Phanindra, A., Narasimha, V.B., PhaniKrishna, C.V. published a paper entitled A review on application security management using web application security standards in Advances in Intelligent Systems and Computing Scopus Indexed ISSN:10.1007/978-981-10-8848-3_45
43. Rachapudi, V., Venkata Suryanarayana, S., Subha Mastan Rao, T. published a paper entitled Auto-encoder based K-means clustering algorithm in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
44. Venkateswarlu, S., Kamesh, D.B.K., Sastry, J.K.R., Rani, C.R. published a paper entitled Inquisition the prospect of ranking cloud service provider using distinctive algorithms in Advances in Intelligent Systems and Computing Scopus Indexed ISSN:10.1007/978-981-13-1580-0_10
45. Amarendra, C., Harinadha Reddy, K. published a paper entitled PSO algorithm support switching pulse sequence ISVM for six-phase matrix converter-fed drives in ISmart Innovation, Systems and Technologies Scopus Indexed ISSN:10.1007/978-981-13-1921-1_55
46. Venkata Ramana, N., Nagesh, P., Lanka, S., Karri, R.R. published a paper entitled Big data analytics and iot gadgets for tech savvy cities in Advances in Intelligent Systems and Computing ISSN: 10.1007/978-3-030-03302-6_12
47. Rajkumar K.V., Yesubabu A., Subrahmanyam K. published a paper entitled Fuzzy clustering and Fuzzy C-Means partition cluster analysis and validation studies on a subset of CiteScore dataset in International Journal of Electrical and Computer Engineering Scopus Indexed ISSN:10.11591/ijece.v9i4.pp2760-2770
48. Sujatha M.M., Prasada Rao P.V.R.D., Sastry J.K.R. published a paper entitled Metrics for assessing quality of a web site in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
49. Tumuluru P., Ramani B.L., Saibaba C.M.H., Venkateswarlu B., Ravinder N. published a paper entitled OpenCV

algorithms for facial recognition in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075

50. Sastry J.K.R., Lakshmi Prasad M. published a paper entitled Testing embedded system through optimal mining technique (OMT) based on multi-input domain in International Journal of Electrical and Computer Engineering Scopus Indexed ISSN:10.11591/ijece.v9i3.pp2141-2151
51. Pallavi L., Jagan A., Thirumala Rao B. published a paper entitled ERMO2 algorithm: An energy efficient mobility management in mobile cloud computing system for 5G heterogeneous networks in International Journal of Electrical and Computer Engineering Scopus Indexed ISSN:10.11591/ijece.v9i3.pp1957-1967
52. Vardhan C.H., Sai K.R.K., Vamsi N.M., Yellamma P. published a paper entitled A smart industrial pollution monitoring system using IoT in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
53. Latha K.K., Prakash B.R.S., Rao P.V.R.D.P. published a paper entitled Warehousing of medical data using blockchain in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
54. Padilam T.R., Malladi S. published a paper entitled Implementing security mechanisms for internet of things (IOT) in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
55. Satish Babu J., Reddy J.P., Sai Lohit D.S.V., Chandu R., Krishna Mohan G. published a paper entitled Search engine optimization on big data in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
56. Sunanda N., Sriyuktha N., Sankar P.S. published a paper entitled Revocable identity-based encryption for secure data storage in cloud in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
57. Srilatha T., Subrahmanyam K., Amarendra K published a paper entitled Skyline based keyword search aware repeated queries from incentive environment in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
58. Prasanna K.N.L., Naresh K., Hari Kiran V. published a paper entitled A hybrid collaborative filtering for tag based movie recommendation system in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
59. Prathyusha Reddy Y., Manasa B., Jyothi V., Srikanth V. published a paper entitled Detection and defense of DDOS attack for WSN in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
60. Nithish Y., Sreekar Varma D., Pavan Koundinya L., Sekahr Babu B published a paper entitled Smart garbage monitoring system using ultra sonic sensor and node MCU in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
61. Rishitha T.S.S., Mohan G.K., Babu J.S. published a paper entitled Efficient privacy protection for e-health records over mobile cloudlet based on advanced security mechanism in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
62. Shiva T., Kavya T., Reddy N.A., Bano S. published a paper entitled Calculating the impact of event using emotion detection in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
63. Chandan M., Bharghavi S., Salma S.K. published a paper entitled Enhanced water management system using IOT in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
64. Arshiya M., Srikanth V. published a paper entitled Advanced snort driven collaborative framework for DDOS attack detection in network classification in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
65. Santhi Sri T., Varma R., Hari Krishna V.V.S., Varun Chowdary K. published a paper entitled Automated street lighting system in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
66. Sai Vaibhav N., Haritha D published a paper entitled

- Volatile memory acquisition and extracting of data using volatility framework and web GUI application in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
67. Satyanarayana K.V.V., Vijay Kumar S. published a paper entitled Adaptive framework combining sensors for data monitoring in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
68. Harikanth M., Rajarajeswari P. published a paper entitled Malicious event detection using ELK stack through cyber threat intelligence in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
69. Sai Tarun G.B., Sriram J.V., Sairam K., Sreenivas K.T., Santhi M.V.B.T. published a paper entitled Rainfall prediction using machine learning techniques in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
70. Vivek Reddy S., Tirupathi Rao K. published a paper entitled Optimized micro service based IOT sophisticated model over distributed environment in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
71. Nithinsai Kumar U., Gopi Chand V., Rao K.T published a paper entitled Preventing insider collusion attacks secure data sharing in clouds in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
72. Keerthi G., Kiran P.S. published a paper entitled Source based privacy for confidential data in cloud based e-healthcare systems in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
73. Sai Shankar S., Krishna Reddy V. published a paper entitled Adaptive cloud framework to explore outsourced data in wireless iot computing systems in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
74. Vurukonda N., Sai Teja K.V., Naveen C., Hemamadhuri K. published a paper entitled An efficient data loss prevention in cloud computing with data classification in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
75. Naveen Kumar R., Vege H.K., Sreeram G. published a paper entitled Patient treatment interval used in forecast algorithm and solicitations in hospital queuing management in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
76. Venkata Ramana N., Ravi Kumar T., Sikhakolli H., Aslam S. published a paper entitled A smart way of reduce power usage using iot gadget in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
77. Babu J.S., Rao C.S.K., Banerjee D., Imambi S.S., Mohan G.K. published a paper entitled Opinion mining for drug reviews in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
78. Kodali S., Dabbiro M., Rao B.T. published a paper entitled A cuisine based recommender system using K-Nn and Mapreduce approach in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
79. Jyothi P.N., Lakshmi D.R., Rama Rao K.V.S.N. published a paper entitled Performance on fraud detection in medical claims of healthcare data in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
80. Shiva T., Kavya T., Reddy N.A., Bano S. published a paper entitled Calculating the impact of event using emotion detection in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
81. Kavitha M., Srinivasulu S., Savitri K., Sameera Afroze P., Akhil Venkata Sai P., Asrith S. published a paper entitled Garbage bin monitoring and management system using GSM in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
82. Reddy L.S.N., Kiran K.S., Brahmani K.N., Vamsidhar E. published a paper entitled Performance analysis on human activity detection using KNN and random forest in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075

83. Soumya B., Sushma V., Divya V., Kumar S.L., Venkateswarulu B. published a paper entitled Cardiac disease prediction using naïve bayes machine learning algorithm in International Journal of Engineering and Advanced Technology Scopus Indexed ISSN :2249-8958
84. Sree Madhuri A., Immadi G., Mounika V., Teja A.T., Aakash T., Srinivasa N.S published a paper entitled Performance evaluation of free space optics using different modulation techniques at various link ranges in International Journal of Engineering and Advanced Technology Scopus Indexed ISSN :2249-8958
85. Kondamacharyulu D., Srinivasulu N., Sivasai Didugu D.V., Satyanarayana P. published a paper entitled Consummation and contrastive analysis of digital modulation schemes using cell based design in International Journal of Engineering and Advanced Technology Scopus Indexed ISSN:2278-3075
86. Praveena M., Pavan Kumar V., Asha Deepika R., Sai Raghavendhar C.H., Rahul Sai Reddy J. published a paper entitled Enhancing visibility of low-light images using deep learning techniques in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
87. Talluri R.S.P., JaiSurya Y., Manchala S.L. published a paper entitled Heart rate monitoring system using heart rate sensor and arduino uno with web application in International Journal of Engineering and Advanced Technology Scopus Indexed ISSN :2249-8958
88. Sujatha M., Nagarjuna P., Ram A.B.S., Sai A.H.V., Tarun K., Ahammad S.H. published a paper entitled Visible spectroscopy analysis of fat content in milk using labVIEW in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
89. Jayakiran K., Pranavi M., Novika M., Tejaswini V., Rajesh N. published a paper entitled Prediction of heart diseases in comparison with different machine learning algorithms in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
90. Zohra M., Rajeswara Rao D. published a paper entitled A comprehensive data analysis on handwritten digit recognition using machine learning approach in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
91. Maturi V.L., Boya N.R., Poliseti J., Adavi S., Sai Baba C.M.H. published a paper entitled Twitter sentimental analysis using machine learning techniques in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
92. Devisetty S.D.P., Sai Y.M., Yadav A.V., Vidyullatha P. published a paper entitled Sentiment analysis of tweets using rapid miner tool in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
93. Sadhana B., Nanduru Y., Vihari L., Ravi Kumar T., Mandhala V.N. published a paper entitled Alcohol detection and ignition interlock system in International Journal of Engineering and Advanced Technology Scopus Indexed ISSN :2249-8958
94. Sai D.V., Kiranbabu C., Sai Akhil K., Vurukonda N., Patel A.K. published a paper entitled A novel approach for ultrasonic sensor obstacle detection using internet of things in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
95. Dixit R., Ravindranath K. published a paper entitled Identity based proxy reencryption with null deduplication for secure communication in cloud environment in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
96. Phani Sheetal A., Ravindranath K. published a paper entitled Priority based resource allocation and scheduling using artificial bee colony (ABC) optimization for cloud computing systems in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
97. Sarada N., Thirupathi Rao K. published a paper entitled Lung semantic segmentation using convolutional neural networks in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
98. Divya K., Vinod Kumar J., Raja Sujana J., Pavan Kumar T. published a paper entitled Enhanced IOT accessing security in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
99. Kumar K.P., Peram S.R., Mandhala V.N., Banerjee D.

- published a paper entitled Classification of 72 Melakartha ragas using PAM clustering method: Carnatic music in International Journal of Innovative Technology and Exploring Engineering Scopus Indexed ISSN:2278-3075
100. Reddy B.K., Nikhil C., Kolluri M., Ramya K.R., Mandhala V.N. published a paper entitled Securing cloud data using face recognition and deep learning in International Journal of Engineering and Advanced Technology Scopus Indexed ISSN :2249-8958
 101. Meghana P, Sagar Imambi S., Sivateja P, Sairam K. published a paper entitled Image recognition for automatic number plate surveillance in International Journal of Innovative Technology and Exploring Engineering Indexed ISSN:2278-3075
 102. Potharaju S.P., Sreedevi M., Amiripalli S.S. published a paper entitled An ensemble feature selection framework of sonar targets using symmetrical uncertainty and multi-layer perceptron (su-mlp) in Advances in Intelligent Systems and Computing Scopus Indexed ISSN:10.1007/978-981-13-0617-4_24
 103. Shinde V., Thirumala Rao B. published a paper entitled Novel approach to segment the pectoral muscle in the mammograms in Advances in Intelligent Systems and Computing Scopus Indexed ISSN:10.1007/978-981-13-0617-4_22
 104. Sahu A.K., Swain G. published a paper entitled An Optimal Information Hiding Approach Based on Pixel Value Differencing and Modulus Function in Wireless Personal Communications Scopus Indexed ISSN:10.1007/s11277-019-06393-z
 105. Banerjee D., Islam K., Xue K., Mei G., Xiao L., Zhang G., Xu R., Lei C., Ji S., Li J. published a paper entitled A deep transfer learning approach for improved post-traumatic stress disorder diagnosis in PKnowledge and Information Systems Scopus Indexed ISSN:10.1007/s10115-019-01337-2
 106. G.Pandu Ranga Rao, V.V.S.Indira, P.Manikanta, Dr.M.Srinivas published a paper entitled Large Scale Farming Analysis With The Help of IOT & Data Analytics in Advanced Multidisciplinary Scientific Research (IJAMSR) Scopus Indexed ISSN:2581-4281
 107. Venkata Sai Mahesh.K, Shubham Deepak.K , Shiva Koushik Reddy.A,Vijay Kumar.V published a paper entitled Predicting Social Emotions from Readers' Perspective in International Journal of Engineering and Advanced Technology (IJEAT) Scopus Indexed ISSN: 2249 8958
 108. Savya Nidhi, D. Sri Sai Praveen, M.V Rama Krishna, Raju Anitha published a paper entitled Emergency Driving Assistance for Debilitating Drivers in International Journal of Engineering and Advanced Technology (IJEAT) Scopus Indexed ISSN: 2249 8958
 109. P. Sanjay Bhargav, G. Nagarjuna Reddy, R.V. Ravi Chand, K.Pujitha, Anjali Mathur published a paper entitled Sentiment Analysis for Hotel Rating using Machine Learning Algorithms in International Journal of Innovative Technology and Exploring Engineering (IJITEE) Scopus Indexed ISSN: 2278-3075
 110. K. Sowmya, K. Monika, M. Radha, V. Vijay Kumar published a paper entitled Customer Review Rating Analysis Using Opinion Mining in International Journal of Innovative Technology and Exploring Engineering (IJITEE) Scopus Indexed ISSN: 2278-3075
 111. M. Kavitha, K Anvesh, P Arun Kumar, P Sravani published a paper entitled IoT Based Home Intrusion Detection System in International Journal of Recent Technology and Engineering (IJRTE) Scopus Indexed ISSN: 2277-3878
 112. Radhika Rani Chintala, Somu Venkateswarlu, M. Sri Lakshmi published a paper entitled SSR Method for Private Medical Data in HSN using Light Weight Encoding Method in International Journal of Recent Technology and Engineering (IJRTE) Scopus Indexed ISSN: 2277-3878
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S) Projects:

- Dr.Naushad Varish applied the project with tilte "Design and Development of Feature Extraction Techniques for Content-Based Medical Image Retrievals (CBMIR)." under SRG scheme reference no SRG/2019/001499/ES worth 15,82,240
- Dr.Harshita Patel applied the project with tilte "Design and Deployment of Computational Models for Content Extraction in Large Web Document Databases." under SRG scheme reference no SRG/2019/000907/ES worth 15,60,240
- Dr.Ashok Kumar Patel applied the project with tilte "Design and development of machine vision based quality monitoring model for classification of iron ore using hyperspectral images." under SRG scheme reference no SRG/2019/000675/CS worth 31,33.752
- Dr.Ramkumar Jayaraman applied the project with tilte "Effective Resource Allocation based on Radio Access framework in 5G." under SRG scheme reference no SRG/2019/000743/ES worth 15,55,050
- Dr.Md Asdaque Hussain applied the project with tilte "To Design a Directionality Aware Cross Layer TCP Protocol for IoT" under SRG scheme reference no SRG/2019/001760/ES worth 17,78,400
- Dr. P. CHJ. Srinivasa Rao applied the project with tilte "Internet of Things for Smart building Control Systems." under SRG scheme reference no SRG/2019/001780/ES worth 18,62,080
- Dr.Moulana Mohammed applied the project with title "Detection and Tracking of Moving Objects in a Video using Convolution Neural Networks DTMOVCNN)." under SRG scheme reference no SRG/2019/002265/ES worth 15,98,740
- Dr.Enireddy vamsidhar applied the project with title "Improved Thermal Image Frame Work To Detect Breast Cancer For Common People." under SRG scheme reference no SRG/2019/002257/ES worth 24,04,059
- Dr.Y. Prasanth applied the project with title "Design and Implementation of Real-time IoT framework for detecting gene based diseases in remote areas using non-linear machine learning models" under EMEQ scheme reference no EEQ/2019/000246 worth 36,22,512
- Dr.PVRD Prasad applied the project with title "Improving

Growth in Crops using Precision farming through IoT and Bigdata Analytics” under EMEQ scheme reference no EEQ/2019/000507 worth 35,00,000

Dr.B. Vijaya Babu applied the project with title “DESIGN OF INTELLIGENT EMOTION RECOGNITION SYSTEM (IERS) BY ANALYZING BRAIN ACTIVITY EEG SIGNALS USING DATA MINING AND SIGNAL PROCESSING TECHNIQUES” under EMEQ scheme reference no EEQ/2019/000599 worth 38,60,000

Dr. Rama Narasinga rao Manda and SAJANA TIRUVEEDHULA applied the project with title “Developing a Decision Support System for Diagnosing the Vector Borne Diseases using Deep Learning Techniques.” under CRG scheme reference no CRG/2019/002887/EEC worth 26,36,680

Dr. Venkatadurga Kiran Kasula and Dr. Nulaka srinivasu applied the project with title “An Efficient Vulnerability Identification Technique for better Security Risk Management” under CRG scheme reference no CRG/2019/003374/EEC worth 10,50,200

Dr.Debrup Banerjee and BHANUK OLLA applied the project with title “A Deep Convolutional Neural Network based Transfer Learning approach for Improved Post-Traumatic Stress Disorder Diagnosis” under CRG scheme reference no CRG/2019/001441/EEC worth 34,90,588

Dr.Gandharba Swain and Ramarao KVSN applied the project with title “A framework for securing electronic health records in Cloud using Cryptography and Steganography” under CRG scheme reference no CRG/2019/002200/EEC worth 39,72,960

Dr.Ramarao KVSN and Dr. Gandharba Swain applied the project with title “Application of Deep learning technique to assess biodiversity in real-time and identify the presence of bird species In Long Recordings” under CRG scheme reference no CRG/2019/002148/EEC worth 29,42,000

Dr.Anitha Raju Patel applied the project with title “Deep Learning Techniques for early diagnosis of Hemiplegia using Magnetic Transfer Image” under CRG scheme reference no CRG/2019/002138/EEC worth 25,82,400

Dr.S Sagar Imambi and M. Venkata Naresh applied the project with title “Intelligent Agricultural Information System using Machine Learning techniques” under CRG scheme reference no CRG/2019/002380/EEC worth 44,00,720

Dr.Rudra Kalyan Nayak and Dr. Sandeep Kumar Satapathy

applied the project with title “Forecasting Mineral Commodity Prices using Advanced Soft Computing Techniques” under CRG scheme reference no CRG/2019/002534/EEC worth 30,41,246

Dr.Dinesh Singh applied the project with title “Monitoring of lightning using GPS PW” under CRG scheme reference no CRG/2018/003739/AS worth 16,00,000

Dr.G Pradeepini and Dr. C M Sheela Rani applied the project with title “Brain Tumour Classification using Deep Learning Neural Network” under CRG scheme reference no CRG/2019/002306/EEC worth 21,96,900

Dr.Nulaka srinivasu and Dr. Venkatadurga Kiran Kasula applied the project with title “Design a Novel and Secure Dynamic Key Management scheme for Wireless Sensor Networks” under CRG scheme reference no CRG/2019/006042/EEC worth 14,90,160

Dr.P.Vidyullatha and Dr.Y.Prasanth applied the project with title “Machine Vision System for Weed Detection using Deep Learning Image Processing Techniques.” under CRG scheme reference no CRG/2019/002735/EEC worth 39,44,000

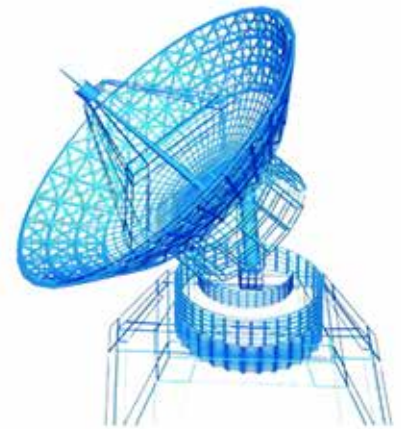
Dr.K V V Satyanarayana and Dr. M. R. Narasingarao applied the project with title “An Automatic Microarray clustering technique to classify the function of uncharacterized Genes.” under CRG scheme reference no CRG/2019/006138/EEC worth 27,68,001

Dr.Swarna Kuchibhotla, Dr. P Raja Rajeswari and Mr. Venubabu .R applied the project with title “Development of Advanced Driver State Detection System using Deep Learning Techniques” under CRG scheme reference no CRG/2019/006513/EEC worth 20,42,200

Dr.Mohammed Ismail.B and Dr. Md. Moulana applied the project with title “Computer Aided Deep Learning Technology for Classification and Segmentation of Prostate Cancer through MR Imaging” under CRG scheme reference no CRG/2019/003262/EEC worth 23,36,400

Dr.Viswanath Shenoi V, Dr. K Bhanu prakash and Dr. P. Rajesh applied the project with title “Smart street light systems based on IoT” under CRG scheme reference no CRG/2019/006661/EEC worth 26,42,800

Dr.K.Rajasekhar applied the project with title “Technology Incubation and Development of Entrepreneurs (TIDE) in the areas of Electronics and ICT” under TIDE-ICS meity scheme worth 1,55,00,000



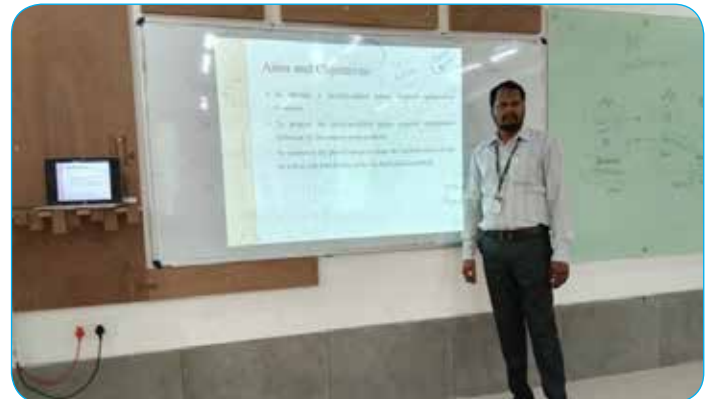
FACULTY ORIENTATION LECTURES ON ADVANCES IN 5G COMMUNICATIONS (DT. : 18-04-2019)



The 5G Wireless standard aims to be global – which is the hard part, because each participating country (e.g., China, Russia, South Korea) or amalgamated body of countries (e.g., the EU, the UN) will maintain its own definition of 5G networks, its own concepts of 5G speeds, and its own regulations for where 5G transmissions may take place. In November 2018, the US Federal Communications Commission began an auction for exclusive segments of spectrum in the 28 GHz band, soon to be followed by bids in the 24 GHz band, for exclusive use by the winning bidders. The following month, the FCC unanimously approved a plan to make more spectrum in the 37 GHz, 39 GHz, and 47 GHz bands available for the highest-speed communications tier for 5G Wireless, called millimeter-wave (mmWave).

But a good part of the 5G plan involves multiple, simultaneous antennas, some of which utilize spectrum that telcos agree to share with one another (for instance, the 3.5 GHz band in the US) as well as unlicensed spectrum that regulators such as the FCC keep open for everyone at all times (areas between 5 GHz and 7 GHz, and 57 GHz to 71 GHz). Among the technologies inside the 5G umbrella are systems enabling transmitters and receivers to arbitrate access to unused channels in the unlicensed spectrum, much the way 802.11ac Wi-Fi devices do now.

ANTENNA ARRAY SYNTHESIS (DT. : 25-04-2019)



Most of the mobile, satellite, radar and wireless communication systems widely use antenna arrays. The system attainment can be improved greatly with the help of these Antenna arrays by developing signal quality, improving directivity, expanding spectrum efficiency and spreading system coverage. The efficient design of the antenna arrays resolves the performance of the communication system. To avoid interference with other systems, the systems which are operating in the same frequency band need to maintain low peak side lobe level (PSLL). Due to the increasing pollution of the EM, it is necessary to that an antenna array is to be designed with a low level of side lobes, while maintaining a fixed beam width and placing of nulls in desired directions.

Considering the linear array geometry, there are two ways of obtaining suppressed sidelobe levels and placing of nulls in desired directions, one by employing non-periodic stimulations of the elements by using uniform placement of antenna elements and the next by optimizing the spacings between the element positions by sustaining periodic stimulations. However implementation of non-uniform complex weights in periodic arrays is practically difficult. Rather, greater docility in governing the contour of the radiation pattern without distracting the systematic feeding network is provided by non-uniform spacing of elements

CONFORMAL ANTENNA ARRAYS

(DT. : 02-05-2019)



Conformal antennas and antenna arrays (arrays) inherit their name from the fact that they “conform” to the shape of a 2D yet not planar surface. More specifically, conformal antennas are flat curving antennas that follow or are embedded to an object of predefined shape, like that of an aircraft’s nose. Conformal antennas and antenna arrays (arrays) have become necessary for vehicular communications (where a high degree of aerodynamic drag reduction is needed) due to their so-called “conformity” to arbitrary surface shape, like in avionics and high-performance ships or submarines.

Conformal antennas were developed in the 1980s in order to be integrated with the outer metallic layers of aircrafts, with the purpose of reducing the aerodynamic drag and improving aircraft speed, fuel consumption, and gas emissions. Conformal antennas gradually replaced conventional ones that project from the aircrafts’ hull.

However, in the recent years the reduction of these costs has turned conformal antennas to an attractive choice for civilian applications as well, from train antennas to car radio antennas in order to improve shape and aesthetics as well as increase vehicle performance, and to cellular base station antennas to save space and make antennas less visually intrusive.

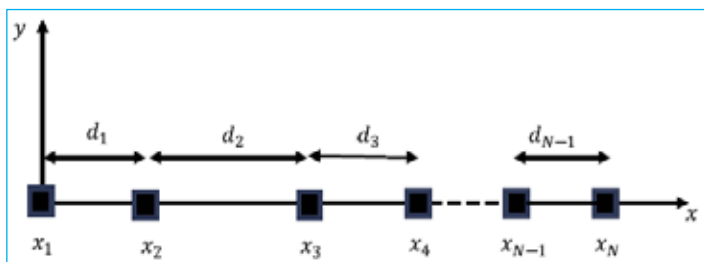
Using arbitrary-shape antennas may be a significant aid in developing high-performance antennas and arrays under strict constraints. Conformal antennas are a priori considered as a type of antennas that need to comply with such strict constraints and at the same time are of high importance for avionics and marine communications.



resulting in aperiodic arrays. Aperiodic spacing of the elements or by thinning the array by turning off the elements results in obtaining aperiodic antenna.

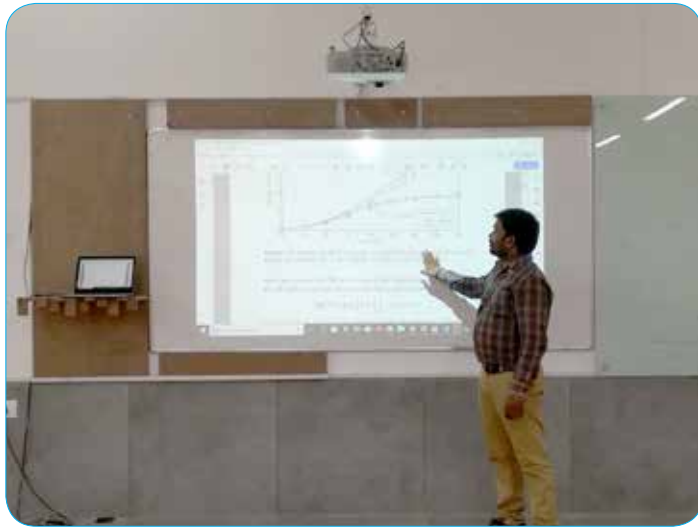
Through shifting of the geometric positions of the antenna elements (non-uniform antenna element spacings) of a periodic array, Unequally spaced arrays can be produced as illustrated in Fig.1. Now, in this unequally spaced array, the antenna array aperture length may vary based on the configuration adopted, but the total number of antenna elements remains the same as in the periodic array. In antenna array, the non-uniform spacing helps in eliminating grating lobes, hence the applications using wide bandwidth scanning prefer unequally spaced arrays as the first preference.

Because of its simple feeding network aperiodic array has achieved a lot of attention. For the past 5 decades, Aperiodic linear antenna array synthesis has been broadly studied. It involves non-linear and non-convex optimization. Electromagnetic design problems can be successfully optimized by evolutionary algorithms such as differential evolution (DE), particle swarm optimization (PSO), ant colony optimization (ACO), genetic algorithm (GA). The competency of searching for the global solution in electromagnetic optimization problems have been shown by the above mentioned evolutionary algorithms.



A high-performance computational method, inspired by the natural behavior of cats named CSO was introduced by Chu and Tsai in 2007. It has shown better performance over well-known algorithms when applied to different engineering problems.

But because of the random mutation process, the classical CSO gets easily trapped in the local optima and suffers from premature convergence while updating the cat’s position. Because of this debility, the classical CSO has been limited over the wider range of application. The convergence behavior of CSO is being influenced by the choice of mutation process type. To overcome the drawbacks, for the position updating process of the CSO algorithm the Cauchy mutation strategy is being proposed. For solving complex multimodal problems, the Cauchy mutation strategy is introduced which enhances the convergence rate and solution accuracy of the CSO algorithm. In this paper, to optimize the element positions in a linear aperiodic array and to restrict the shape of the radiation pattern in terms of minimum PSL with null positioning in desired directions, Cauchy mutated CSO (CMCSO) algorithm is applied.



With the demanding requirements being placed upon the new 5G mobile communications standard, a totally new radio interface and radio access network has been developed. Called 5G New Radio or 5G NR, the new radio interface provides for the growing needs for mobile connectivity.

The development of the 5G NR or 5G New Radio is key to enabling the 5G mobile communications system to work and it provides a number of significant advantages when compared to 4G.

5G NR has been developed from scratch taking the requirements and looking at the best technologies and techniques that will be available when 5G starts to be deployed.

5G NR utilises modulation, waveforms and access technologies that will enable the system to meet the needs of high data rate services, those needing low latency and those needing small data rates and long battery lifetimes amongst others.

The 5G New Radio has been developed to provide a significant enhancements in areas like flexibility, scalability and efficiency, both in terms of power usage and spectrum.

The 5G New Radio is able to provide communications for very high band with transmissions like streaming video as well as low latency communications for remote control vehicle communications as well as low data rate low bandwidth communications for machine type communications.

There are several cornerstones to the new radio used for 5G:

- **New radio spectrum:**

Mobile communications usage is rapidly increasing, and the introduction of 5G will accelerate this trend with many

more applications being accommodated by the technology. Whilst improvements in spectrum efficiency will be made these will not be able to accommodate the huge increases in usage, so more spectrum is needed.

Release 15 also outlines several groups of new spectrum specifically for NR deployments. These range in frequency from 2.5 GHz to 40 GHz. Two bands being targeted for more immediate deployment are in the regions of 3.3 GHz to 3.8 GHz and 4.4 GHz to 5.0 GHz.

The 3.3 GHz to 3.8 GHz spectrum has already been released in countries like the USA, Europe and certain Asian countries and they could see deployment as early as 2018. Other higher frequency bands but below 40 GHz are also being reserved for 5G but this is only the beginning as there is talk of usage of frequencies up to 86 GHz.

The advantage of the higher frequency bands is that they are much wider and they will be able to allow much higher signal bandwidths and hence support much higher data throughput rates. The disadvantage in some aspects is that they will have a much shorter range, but this is also an advantage because it will also allow much greater frequency re-use.

- **Optimised OFDM:**

An early decision was taken to use a form of OFDM as the waveform for phase one of the 5G New Radio. It has been very successfully used with 4G, the more recent Wi-Fi standards and many other systems and came out as the optimum type of waveform for the variety of different applications for 5G. With the additional processing power available for 5G, various forms of optimisation can be applied.

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 11. K Hari Kishore, K.V.Surendra Nath, K V N Hari Krishna, D.Pavan Kumar, V.Manikanta, Fazal Noor Basha, "IoT Based Smart Health Monitoring Alert Device" International Journal of Innovative Technology and Exploring Engineering (IJITEE) (Scopus), ISSN: 2278-3075, Volume-8, Issue No: 6S, Page No: 157-160, April 2019.
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 13. Fazal Noorbasha, K Deepthi, GJhansi, K Hari Kishore, S Pavan Sai Harsha, Sai Sandeep Kumar Allu, P.Surya Teja, E Raghuvveera, "Implementation of High Secured Low Power Advance Encryption Standard (AES) Implementation with DNA Cryptography" International Journal of Innovative Technology and Exploring Engineering (IJITEE) (Scopus), ISSN: 2278-3075, Volume-8, Issue No: 6S, Page No: 110-114, April 2019.
 14. Fazal Noorbasha, GJhansi, K Deepthi, K Hari Kishore, S Pavan Sai Harsha, Sai Sandeep Kumar Allu, P.Surya Teja, E Raghuvveera, "ASIC Implementation of Convolution Encoder and Viterbi Decoder Based Cryptography System" International Journal of Innovative Technology and Exploring Engineering (IJITEE) (Scopus), ISSN: 2278-3075, Volume-8, Issue No: 6S, Page No: 115-119 April 2019.
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 25. M.Aditya, P. Bhavitha, Pgopi, P. Kiran Babu, P. Pavan, B. Teja Sai Varma, "PV Variations of Pulsed Latches", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8, Issue-6, page no: 859-862, April 2019 and SCOPUS.
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Roja, B. Pravallika, Sk. Nayeem Aslam, "Business KPIs Analysis Using Visual Basics", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-6s, pp:147-151, April 2019, SCOPUS.

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PH.D AWARDED FROM DEPT

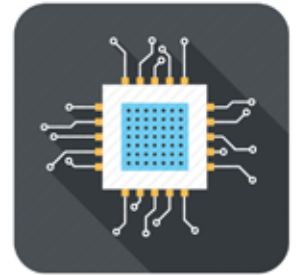
S.No	Name of the Ph.D Scholar	University ID Number	Name of the Guide/s		Tittle of the thesis	Year of registration of the scholar	Date of Award of Ph.D	Shodh Ganga URL
			Internal	External				
1	Guda Rama Krishna Prasad	13304002		Dr P S Srinivas Babu	DESIGN SIMULATION AND ANALYSIS OF MEMS SENSORS FOR EARLY DETECTION OF PARKINSON'S DISEASE	2013	05-08-2019	-
2	Sreevardhan Cheerla	13304097		Dr D VENKAT RATNAM	INVESTIGATION ON UITABILITY OF PATH LOSS MODELS FOR HETEROGENIOUS MOBILE NETWORKS AND LOCATION BASED SERVICES	2013	05-08-2019	-

PATENTS FROM THE DEPT

S. No	Name of the patents	Name of the Principal Investigator	Name of the Co-Investigator	Date of Granted	National/ International
1	SRICHAKRA ANTENNA FOR WIDEBAND APPLICATIONS	B T P Madhav	B S Deepak	26/04/2019	National
2	SYNTHESIS OF BARIUM TITANATE FROM BARITE ORES FOR MICROSTRIP ANTENNA APPLICATIONS	B T P Madhav		26/04/2019	National

BOOKS PUBLISHED

S.No	Title of the Book/Chapter	Author	Publisher	ISBN Number	Year of Publication
1	An Introduction to Verilog HDL	Hari Kishore Kakarala	Mahi Publications	978-81-640137-3-0	2019



FACULTY ACHIEVEMENTS

Mr.B.B.V.S.Vara Prasad certified as “TalentNext Wipro Certified Faculty ” from Wipro ,13th June 2019.

Smt.P.S.G.Aruna Sri certified as “TalentNext Wipro Certified Faculty ” from Wipro,13th June 2019.

Mr.M.Venkateswara Rao qualified for “Digital CMOS VLSI” in NPTEL Online certification conducted by IIT Madras, April 2019.

Smt.S.Sridevi qualified for “Data Mining ” in NPTEL Online certification conducted by IIT Kharagpur April 2019.

Shaikh Shakeela qualified for “Advanced Machine Learning and Signal Processing” in Coursera Online certification conducted by IBM, May 2019.

Smt.K. Krishna Veni qualified for “Development of Secure Embedded Systems” in Coursera Online certification conducted by Juha Plasila, April 2019.

BOOKS PUBLISHED

S.No	Organized by	Name of the Webinar	Date
1	UMass Lowell Research	Grand challenges in complex systems: Applications in robotic swarms and autonomous vehicles	May 4 th at 5.30 pm IST
2	UMass Lowell Research	Grand challenges in complex systems: Applications in robotic swarms and autonomous vehicles	May 6 th at 5.30 pm IST
3	IFEES Global Webinar	“Enhancing Complex Problem-Solving Skills in a Typical Classroom: Systematic Development using Cooperative Problem-Based Learning”	May 7 th at 5.30 pm IST
4	UMass Lowell Research in Engineering Webinar 5	Structural Dynamics Identification via Computer Vision and Data Analytics in Structural Health Monitoring	May 13 th at 5.30 pm IST
5	IUCEE Virtual Academy	“Knowledge Representation Reasoning for Artificial Intelligence (AI)”	May 15 th at 10.30 am IST
6	UMass Lowell Research in Engineering Webinar 6	Research Opportunities in Dynamic Response	May 20 th at 5.30 pm IST
7	UMass Lowell Research in Engineering Webinar 6	ICTIEE 2019 Paper Webinar: Distributed cognition considered as a single cognition system among learners	May 21 st at 5.30 pm IST

8	IFEES Global Webinar	Globalizing STEM Learning . Preparing STEM Professionals	May 22 nd at 5.30 pm IST
9	IFEES Global Webinar Serie	Having an Impact: Globalizing STEM Learning and Preparing Tomorrow's Professionals	May 23 rd at 5.30 pm IST
10	IUCEE Virtual Academy	Trasforming health care with image processing and data science	May 27th at 5.30 pm IST
11	UMass Lowell Research in Engineering Webinar 6	Umass Lowell Global Entrepreneurship Webinar 3	May 28th at 5.30 pm IST
12	IUCEE Virtual Academy	A Better world through better engineering education E-News letter	May 29th

June 2019

S.No	Organized by	Name of the Webinar	Date
1	IFEES Global Webinar	Research-based strategies for creating inclusive classrooms in engineering	June 5 at 5:30 pm IST
2	IFEES Global Webinar	Inspiring and Preparing the Next Generations of Engineers to Address the Global Grand Challenges facing Society in the 21st Century	June 19th at 5:30 pm IST
3	IUCEE Virtual Academy	Case Study: Student Idea Contest, an Integral Part of Entrepreneurship Education & Ecosystem	June 25th at 5:30 pm IST

PUBLICATIONS:

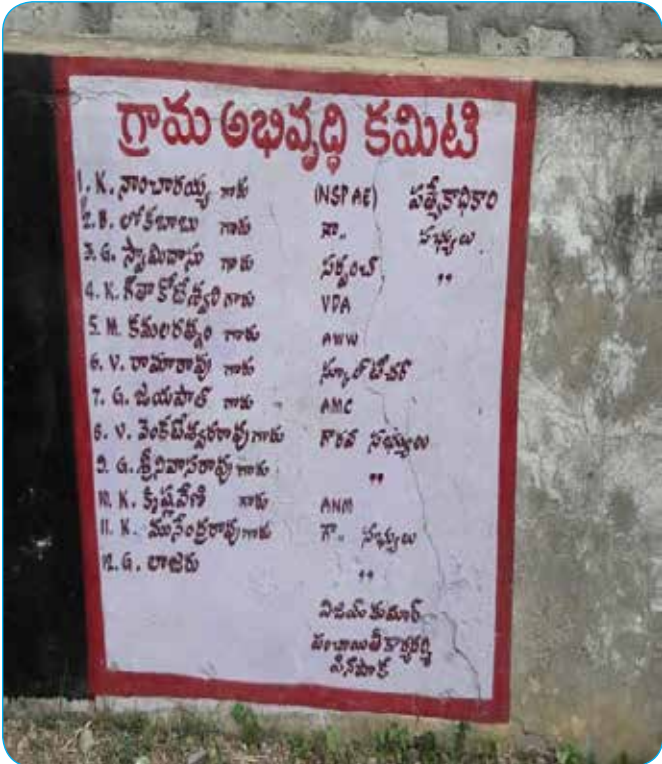
- Desu Pavani Ramya, Md.Ali Hussain Published a paper titled "A Light Weight Secured and Efficient Health Monitoring System Implemented Over IOT Based Networks" in IJITEE, ISSN: 2278-3075, Volume-8 Issue-6, SCOPUS indexed, April 2019
- K. Sambasiva Rao, M. Kameswara Rao Published a paper titled "A Lightweight Digital Signature Generation Mechanism for Authentication of IoT Devices" in IJRTE ISSN:2277-3878,Volume-7,Issue-6,SCOPUS indexed, March 2019
- B. Uday Kumar Veera Manikanta, Kallakunta Ravi Kumar, Kagga. Koteswarao Published a paper titled "Assistive Frame Work for Physically Debilitated using Convolutional Neural Networks" in IJITEE, ISSN: 2278-3075, Volume-8 Issue-5, SCOPUS indexed, March 2019
- M Sravani, Kallakunta Ravi Kumar, B Rahul Babu Published a paper titled "Efficient Usage of Natural Resources to Automation of Agriculture Using IoT" in IJITEE, ISSN: 2278-3075, Volume-8 Issue-5, SCOPUS indexed, March 2019
- Manchineni Chudamani , Narendrababu Tatini published a paper titled " An Improved Cryptographic Key Generation and Data Transmission Technique Using Images" in International Journal of Innovative Technology and Exploring Engineering (IJITEE) SCOPUS indexed, ISSN: 2278-3075, Volume-8 Issue-6, April 2019
- K Manoj Kumar, M Trinath Basu, K. Gopinath, Ravi Kumar Tenali published a paper titled "Effective Implementation Of Cloud Based Smart Parking System Using Internet Of Things " in International Journal of Recent Technology and Engineering (IJRTE) SCOPUS indexed, ISSN: 2277-3878, Volume-7, Issue-6, March 2019
- Krishnaveni Kommuri ,P Gopi Krishna, V. Tarun Reddy, P. Hemanth published a paper titled "Study and Implementation of Finger print detection and

- authentication for wide varieties of Security Systems using STM32 Board “ in International Journal of Recent Technology and Engineering (IJRTE) SCOPUS indexed, ISSN: 2277-3878, Volume-7, Issue-6, March 2019
- Gorantla Sai Gopi ,Palla Priyanka, K. Bharathi, J.Rajasekhar, Krishnaveni Kommuri published a paper titled” Access Control Of Door using Face Recognition And Home Security Alert Using Raspberry Pi And Internet “ in International Journal of Innovative Technology and Exploring Engineering (IJITEE) SCOPUS indexed, ISSN: 2278-3075, Volume-8 Issue-6, April 2019
 - B. Jyothi Sravya, V. Naga Lakshmi, J.Rajasekhar published a paper titled “Recognition of Vehicle Number Plate and Measure the Distance” in international Journal of Recent Technology and Engineering (IJRTE) SCOPUS indexed ,ISSN: 2277-3878, Volume-7, Issue-6, March 2019
 - Venkata Ratnam Kolluru,Rajesh Kumar Patjoshi , Rakhee Panigrahi published a paper titled “A Comprehensive Review on Maximum Power Tracking of a Photovoltaic System Under Partial Shading Conditions” in INTERNATIONAL JOURNAL of RENEWABLE ENERGY RESEARCH SCOPUS indexed, ISSN: 13090127 Vol.9, No.1, March, 2019
 - Jasti Sowmya Sree,Mohammed Ali Hussain published a paper titled “An Efficient Body Line Health Monitoring System with Alerts Triggered Through Predictive Data Analytics” in International Journal of Innovative Technology and Exploring Engineering SCOPUS indexed, ISSN: 2278-3075, Volume-8 Issue-6, April 2019
 - Biplab Raj Shrestha,K. Raghava Rao, KV Daya Sagar published a paper titled “An Optimized Multipath Routing for Secure Communication of Wireless Sensor Network” in International Journal of Recent Technology and Engineering SCOPUS indexed, ISSN: 2277-3878, Volume-7, Issue-6, March 2019
 - CH.Kavyasudha,B.Aruna, CH.Suma published a paper titled “Attacks in SDN Cloudcomputing Environment” in International Journal of Innovative Technology and Exploring Engineering SCOPUS indexed,ISSN: 2278-3075, Volume-8 Issue-6, April 2019
 - K. Krishnaveni,P Gopi Krishna, K.Shivani, B. Ravi teja published a paper titled “Design And Development Of Surveillance Robot” in International Journal of Innovative Technology and Exploring Engineering SCOPUS indexed,ISSN: 2278-3075, Volume-8 Issue-6, April, 2019
 - Ponnaluru Sowjanya, Penke Satyanarayana published a paper titled “Experimental validation of 802.11A Transceiver with an Open Source Software Defined Radio-Based Prototype” in International Journal of Innovative Technology and Exploring Engineering SCOPUS indexed, ISSN: 2278-3075, Volume-8 Issue-5 March, 2019
 - P. Kanaka Maha Lakshmi,,P.S.G. Aruna Sri, P.Gopi Krishna published a paper titled “An IOT Based LPG Leakage Sensing and Alerting System” in International Journal of Innovative Technology and Exploring Engineering SCOPUS indexed, ISSN: 2278-3075, Volume-8 Issue-6, April 2019.
 - Boddapati Venkata Sai Phani Gopal,Pakirabad Akash, P.S.G.Aruna Sri published a paper titled “Design Of Iot Based Coal Mine Safety System Using Nodemcu” in International Journal of Innovative Technology and Exploring Engineering SCOPUS indexed, ISSN: 2278-3075, Volume-8 Issue-6, April 2019
 - V. Narasimha Nayak,,Venkata Ratnam Kolluru, B.Manisha, M.Surya Teja, V.Sowjanya Ch.Naveen published a paper titled “Design of Low Power Comparator and Binary Code Encoder for 5 Bit Parallel Adc” in International Journal of Engineering and Advanced Technology SCOPUS indexed, ISSN: 2249 – 8958, Volume-8 Issue-4, April 2019
 - Paleti Surya Teja,Motapothula Murali Krishna, Venkata Ratnam Kolluru published a paper titled “Development of IoT based Garbage Management System using NodeMCU” in International Journal of Engineering and Advanced Technology SCOPUS indexed, ISSN: 2249 – 8958, Volume-8 Issue-4, April 2019
 - P.N.S.B.S.V Prasad V,,Venkata Ratnam Kolluru, G. Mani Chandra published a paper titled “Implementation of Smart Cart in Retail Marts Using RFID Tags and Wi-Fi Module for Fast Bill Generation” in International Journal of Recent Technology and Engineering SCOPUS indexed, ISSN: 2277-3878, Volume-7, Issue-6, March 2019
 - V. Narasimha Nayak,Venkata Ratnam Kolluru, N.Hari Krishna , CH.Sai Abhiram , D.Tejaswini published a paper titled “Implementation of Supply and Temperature Insensitive Bandgap References for VCO Applications” in International Journal of Innovative Technology and Exploring Engineering SCOPUS indexed, ISSN: 2278-3075, Volume-8 Issue-7 May, 2019

- S.M.K.V. Pramod Kumar,,K. Kiran Kumar, R. Sai Krishna, P.S.G. Aruna Sri published a paper titled “Incorporation of Blockchain in Student Management System” in International Journal of Innovative Technology and Exploring Engineering SCOPUS indexed, ISSN: 2278-3075, Volume-8 Issue-6, April 2019
- Boddapati Venkata sai Padmaja,,Venkata Ratnam Kolluru , Syam Sai Kota published a paper titled “IoT based Implementation of Vehicle Monitoring and Tracking system using Node MCU” in International Journal of Innovative Technology and Exploring Engineering SCOPUS indexed, ISSN: 2278-3075, Volume-8 Issue-6, April 2019
- P.V.S. Chandana,, P.S.G. Arunasri , D. Meenakshi , P. GopiKrishna published a paper titled “Secure Health Records Using Biocryptography” in International Journal of Innovative Technology and Exploring Engineering SCOPUS indexed, ISSN: 2278-3075, Volume-8, Issue-6,April 2019.
- T. Akhil,,B. Aruna, S. Praveen , K. Bharathi published a paper titled “Sensors Enabled For Anti-Thefting System” in International Journal of Recent Technology and Engineering SCOPUS indexed, ISSN: 2277-3878, Volume-7 Issue-6S, March 2019
- S. J. Sultanuddin,,Mohammed Ali Hussain published a paper titled “STMR - Secure Token Based Multipath Routing Protocol for Manets Using Hybrid Clustering and Path Selection Algorithm” in International Journal of Innovative Technology and Exploring Engineering SCOPUS indexed, ISSN: 2278-3075, Volume-8 Issue-6, April 2019
- J. K. R. Sastry,M. Lakshmi Prasad published a paper titled “Testing embedded system through optimal mining technique (OMT) based on multi-input domain” in International Journal of Electrical and Computer Engineering SCOPUS indexed, ISSN: 2088-8708, DOI: 10.11591 Vol. 9, No. 3, June 2019, pp. 2141-2151
- M. S. N. G. K. Mounika,,Arvind Yadav, S. Lokesh Anand, P. Satyannarayana published a paper titled “Upgrade of GSM Security Using Elliptic Curve Cryptography Algorithm” in International Journal of Innovative Technology and Exploring Engineering SCOPUS indexed, ISSN: 2278-3075, Volume-8 Issue-7 May, 2019
- Sonia Suddala,Satyannarayana Penke, Krishnaveni Kommuri published a paper titled “Implementing Context Awareness in Health Monitoring System” in International Journal of Recent Technology and Engineering SCOPUS indexed, ISSN: 2277-3878, Volume-7 Issue-6, MARCH 2019
- B.B.V.S.V.Prasad Published a paper titled “Priority Based Retrieval of Information with Documents Domain Division Approach” in IJRTE, ISSN: 2277-3878, Volume-8, Issue-1, May 2019
- B.B.V.S.V.Prasad Published a paper titled “An Efficient Classification Model for Plant Disease Detection” in IJITEE, ISSN: 2278-3075, Volume-8 Issue-7 May, 2019
- B.B.V.S.V.Prasad Published a paper titled “Safety Concern for Rail Accidents Using Content Extraction from the Contributors” in IJRTE, ISSN: 2277-3878, Volume-8, Issue-1, May 2019
- P.Vedavalli,K.Krishnaveni, J.K.R.Sastry published a paper titled “Securing Data Transmission Using DES For Smart Home Monitoring System” in International Journal of Innovative Technology and Exploring Engineering SCOPUS indexed, ISSN: 2278-3075, Volume-8 Issue-7, May, 2019
- B.B.V.S.V.Prasad Published a paper titled “Transient Analysis of Interrupted Secondary Users With the Provision of Finite Buffer” in IJITEE, ISSN: 2278-3075, Volume-8 Issue-7, May, 2019
- B.B.V.S.V.Prasad Published a paper titled “Transient Analysis of CRN with Provision of Finite Buffer for Secondary Users” in IJRTE, ISSN: 2277-3878, Volume-8, Issue-1, May 2019
- B.B.V.S.V.Prasad Published a paper titled “Multilingual Sentimental Analysis By Predicting Social Emotions Via Text Summarization” in IJRTE, ISSN: 2277-3878, Volume-7, Issue-6, March 2019
- B.B.V.S.V.Prasad Published a paper titled “ECDSA Algorithm for Cloud Security” in IJEAT, ISSN: 2249 – 8958, Volume-8 Issue-4, April 2019
- B.B.V.S.V.Prasad Published a paper titled “Intelligent Home Security System Using One Time Password Authentication” in IJITEE, ISSN: 2278-3075, Volume-8 Issue-6, April 2019
- B.B.V.S.V.Prasad Published a paper titled “Consistent Information Insolvency in Cloud using Cipher Text Encryption” in IJITEE, ISSN: 2278-3075, Volume-8 Issue-8 June, 2019



SMART VILLAGE PROGRAM



Our Students accompanied by faculty members participated in Smart Village Program at Pinapaka Village, near Milavaram, Krishna District and collected the data pertaining to State Government Scheme application.

INDUSTRIAL TRAINING



List of Student select in campus drive for Industrial Training During the period 1st January 2019 to 30th April – 2019. Industrial Names

GVA Group – Bangalore – 08, Evolve Tax Hyderabad– 11, My Tax Bee – 06 and Nissan- 02



Dr.V.V.Madhav HOD of Commerce Interacting with B.Com Hons students in connection with proposed one day workshop on GST.

TELEVISION PROGRAM



Our faculty members Dr.V.V.Madhav and Prof. A.V.N.Murthy, participating in study time program of T.V 5 News on 05.06.2019.

GUEST LECTURER



Dr.Elangovan Delivering Guest Lecturer in Department of Commerce in the month of Feb – 2019

WORKSHOPS



Mr.K.S.L.N Subramanyam sharing his views with the co-ordinator of Two days workshop in Hyderabad conducted by ACCA.

INDUSTRIAL VISITS

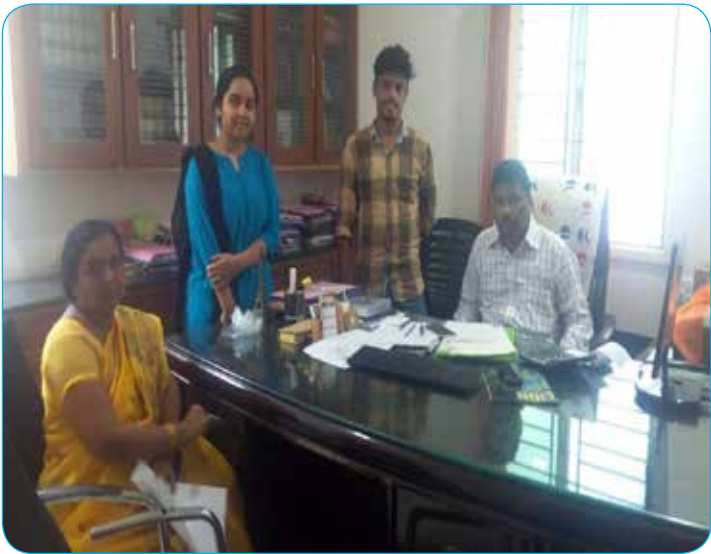


Mr.K.S.L.N Subramanyam, visting the students in connection with Industrial training in Reliance Digital at Hyderabad.

SUMMER INTERNSHIP PROGRAM



Mr.K.S.L.N Subramanyam Interacting with students for SIP in Ramanakumar & Association in the month of May to June at Hyderabad.



Dr.S.Santha Kumari interacting with company guide and students in SIP interim evaluation at Brahmam & Co., Hyderabad.



Dr.B.Balanagalakshmi interacting with company guide and students in SIP interim evaluation at Nissan Company, Vijayawada.



Mr.SVNM Sastry interacting with company guide and students in SIP interim evaluation at Vijayawada.



PATENTS FILED

S.No	Name of the Inventors/Applicant Name	Title of the patent/Design	Patent Number	Filing Date	Status
1	1.K.V.Ramana 2.I.Rohith 3.M.Guru Gopinath 4.T.Sunil Kumar 5.K.Sarvan Kumar	A Portable wall scraper and dust collecting mechnaism	318601-001	10-06-2019	
2	1.K.V.Ramana 2.Ch.Venkata Naga Sai Ganesh 3.C.Sreenevasa Pavan Sai 4.Mh.Riyaz 5.M.Sai Mohan	A Cost effective mechanism for overhead tank cleaning	318132-001	25-05-219	
3	1.P.Phani Prasanthi 2.I.Arun Babu 3.K.Sivaji Babu 4.Anna Eswara Kumar	Iron Box	317142-001	24-04-2019	
4	1.A.Eswara Kumar 2.D V A Ramasastry 3.P.Phani Prasanthi 4.B.V.Dhermendra	Dilatator setup for men urethral stricture	316953-001	17-04-2019	
5	1.P.Phani Prasanthi 2.I.Arun Babu 3.K.Sivaji Babu 4.Anna Eswara Kumar	Smart soap and scrubber box	316952-001	17-04-2019	
6	1.S.Srinivasa Rao 2.G.vamis Krishna 3.B.V.Neerav 4.G.satya Sai 5.P.Sriharsha	Life resuce and fire extinguishing robot	316896-001	15-04-2019	Published
7	1. G.Edukondalu 2.S.S.N Manikanta Kumar 3.A.Srinath	Agriculture Robot	316432-001	03-04-2019	Published
8	K.V.Narasimha Rao	Automatic Robot Device and System for security	201941026543	02-07-2019	Filed

Three of the faculty of Mechanical Engineering Department were Awarded By SAE India Southern Section



FDP

Two FDPs are conducted from MSC Software.

1. Linear Static analysis and dynamic analysis using MSC Nastran-from 27th may to 1st june.

Participants: 25

Trainers: 2
1. Shripad Mungi
2. Akhil Kumar

2. Non-linear Training using marc and mentat from 2nd july to 5th July.

Participants: 25

Trainers: 2
1. Kiran Kumar
2. Shreepad Desh Pande



WEBINARS

Date and Time	Title of the Webinars	Name of the Resource Persons/ Organization	List of Faculty/ Staff Participated
26/3/19 at 3:30 PM	Enhancing Project Development Skills with Engineering Exploration Confirmation	Sridhar Noori from ICTIEE	29
27/3/19 at 10:00 AM	Democratizing Simulation	COMSOL	42
03/4/19 at 10:00 AM	Magnetic gears and magnetically geared machines	Dr. Sivayya Pakdelian	20
10/4/19 at 10:00 AM	Grand challenges in complex systems: Applications in robotic swarms and autonomous vehicles	Dr. Kshitij Jerath	19
17/4/19 at 10:00 AM	Stem mentoring as a career for engineering graduates	STEM	20
24/4/19 at 10:00 AM	Engineering pedagogy & vigip certification program	IFEES	20
30/4/19 at 10:00 AM	Accelerating Discovery and learning through industry/ university partnerships	p j boardman	19
1/5/2019 at 10:00 AM	A few things cognitive science tells us about teaching and learning	R M Felder	21
3/5/2019 at 10:00 AM	Enhancing complex problem solving skills in a typical class room systematic development using co operative problem based learning	IFEES	20
8/5/2019 at 10:00AM	planning flexible learner centered curriculo in engineering and technology	Sridhar Noori from ICTIEE	18
10/5/2019 at 10:00AM	Developing Multivariable control systems for robotics	IFEES	19
10/5/2019 at 11:00AM	A New engineering education for a new Era	CIIE	21
13/5/2019 at 10:00AM	UMASS lowell global Entrepreneurship	Krishna Vedula	20
13/5/2019 at 3:00PM	Peace Engineering	IFEES	21
15/5/2019 at 10:00AM	Industry academia Collaboration	K Manivannan	21



DEPARTMENT LEVEL ACTIVITIES:

Civil Engineering Department is happy to announce that Dr. K. Naga Chaitanya has been appointed as Head and Chair and Mr. K. Hemantha Raja is appointed as Deputy HoD

1. ACADEMICS & ACHIEVEMENTS

A New Patent is filed on 24th June over the work of Geopolymer Concrete using Ground Granulated Blast Furnace Slag (GGBS) and Metakaolin (MK) by Dr. B. Sarat Chandra

2. CONSULTANCY WORKS

Consultancy Tests Conducted In Our Department for Different Clients from the Period April to June 2019

S.No	Date	Name of the Client	Tests
1.	1/4/2019	J.VENKATESWARA RAO	Testing Charges on Water for Both Construction and Drinking Purpose
2.	1/4/2019	GIRIDHARI INFRA	Testing Charges on Steel
3.	1/4/2019	VEPL,KANURU	Testing Charges on Cement Concrete Cubes (M35)
4.	1/4/2019	PVR CONSTRUCTIONS, ANANTHAPURAM	Testing Charges on Steel,aggregate and cement
5.	1/4/2019	SARVANI READY MIX CONCRETE	Testing Charges on Water for Both Construction Purpose
6.	1/4/2019	GOLD PILLAR INFRA	Testing Charges on Water for Construction Purpose
7.	1/4/2019	PRAJASHAKTHI SAHITI SAMSTA	Testing Charges on Cement Concrete Cubes (M35)
8.	3/4/2019	R DEEPTHI TADEPALLI	Testing Charges on Cement Concrete Cubes (M35)
9.	4/4/2019	K V SUBBARAO,GUNTUR	Testing Charges on Cement Concrete Cubes (M20)
10.	5/4/2019	G M CONSTRUCTIONS,GUNTUR	Testing Charges on Cement Concrete Cubes (M30)
11.	5/4/2019	M/S CCCL,MATH AMRITANANDA MAYI ENG.COLLEGE,GUNTUR	Testing Charges on Pvc sheet
12.	9/4/2019	L&T HYDROCARBON ENG.LTD.	Testing Charges on Water for Construction Purpose

13.	9/4/2019	L&T HYDROCARBON ENG.LTD.	Testing Charges on Water for Construction Purpose
14.	9/4/2019	B.RAMANJANAYALU,ONGOLE	Testing Charges on Concrete Design Mix M25 And M30 AND steel
15.	10/4/2019	ROHAN INFRA	Testing Charges on Cement Concrete Cubes (M30)
16.	10/4/2019	MULLAGOLLA LIFE SPACE DEVELOPERS LLP	Testing Charges on Cement Concrete Cubes (M20)
17.	13/04/2019	M/S VELKOINFRATEK PROJECTS PVT.LTD.	Testing Charges on Cement Concrete Core samples (M30)
18.	15/04/2019	PVR CONSTRUCTIONS, ANANTHAPURAM	Testing Charges on Steel,aggregate and cement
19.	15/04/2019	D.PURNA CHANDRA RAO	Testing Charges on GSB,WMM,BM & BC
20.	15/04/2019	PVR CONSTRUCTIONS, ANANTHAPURAM	Testing Charges on Steel,aggregate and cement
21.	16/04/2019	MR.K.SRINIVASA REDDY	Testing Charges on Cement Concrete Cubes (M30)
22.	16/04/2019	SHARP TANKS & STRUCTURES LTD,KONDAPALLI	Testing Charges on Cement Concrete Cubes (M25)
23.	17/04/2019	M/S SANDHYA SOIL ENGINEERING WORKS	Testing Charges on Soil Sample ,SPT
24.	17/04/2019	M/S E.V.VENKATA RAO	Testing Charges on aggregate
25.	17/04/2019	STERLING AND WILSON PVT.LTD.	Testing Charges on Water for Construction Purpose
26.	20/04/2019	SAPTHAGIRI CONSTRUCTION	Testing Charges on Cement Concrete Cubes (M25)
27.	20/04/2019	J.SURYANARAYANA	Testing Charges on Cement Concrete Cubes (M20)
28.	22/04/2019	L&T HYDROCARBON ENG.LTD.	Testing Charges on Water for Construction Purpose
29.	24/04/2019	DY.CHIEF ENGINEER	Testing Charges on Concrete Design Mix M25
30.	25/04/2019	M/S STUDIO ELECTRONICS	Testing Charges on Soil Sample
31.	25/04/2019	SEETARAMAIH	Testing Charges on Cement Concrete Cubes (M25)
32.	27/04/2019	M/S V.S ENG LTD.	Testing Charges on Concrete Design Mix M15,M20AND M30
33.	29/04/2019	J.VENKATESWARA RAO	Testing Charges on Ballast
34.	29/04/2019	M/S STUDIO ELECTRONICS	Testing Charges on Sand
35.	5/1/2019	PVR CONSTRUCTIONS, ANANTHAPURAM (Check)	Testing Charges on Steel,aggregate and cement
36.	5/6/2019	STERLING AND WILSON PVT.LTD.	Testing Charges on Concrete Design Mix.M20
37.	5/6/2019	BALAJI NARASARAOPET	Testing Charges on Core Samples
38.	1/4/2019	SHARP TANKS & STRUCTURES LTD,KONDAPALLI	Testing Charges on R.R.Stone

39.	5/7/2019	MR.SUBBA REDDY.M	Testing Charges on Concret Design mix M30 & M40
40.	5/7/2019	ULTRATECH CONCRETE CEMENT LTD.NELAPADU	Testing Charges on Steel,aggregate and cement
41.	5/7/2019	SHARP TANKS & STRUCTURES LTD,KONDAPALLI	Testing Charges on Cement Concrete Cubes (M25)
42.	5/8/2019	M/S ANNAPURNA & TRANSMISSION PVT.LTD @ APTRANSCO,TLC,GUNTUR	Testing Charges on Cement Concrete Cubes (M35)
43.	5/9/2019	LAXMI ANJANA TUBE WELL WORKS	Testing Charges on SPT Sample
44.	5/10/2019	SOMA ENTERPRISE LTD	Testing Charges on Water for Both Construction & Drinking Purpose
45.	5/11/2019	VEPL,KANURU	Testing Charges on concrete cubes (M50)
46.	5/11/2019	VEPL,PORANKI	Testing Charges on concrete cubes (M35)
47.	5/13/2019	PVR CONSTRUCTIONS, ANANTHAPURAM	Testing Charges on Steel,aggregate and cement
48.	5/14/2019	MR.B.RAMANJANEYULU	Testing Charges on SPT Sample
49.	5/15/2019	GIRIDHARI INFRA,GUNTUR	Testing Charges on S.B.C Sample
50.	5/16/2019	M/S UBS INFRA PROJECTS	Testing Charges on GSB,WMM,BM & BC
51.	5/16/2019	PRAJASHAKTHI SAHITI SAMSTA	Testing Charges on Cement Concrete Cubes (M30)
52.	5/16/2019	M/S STUDIO FOR ELECTRONICS	Testing Charges on Red Bricks
53.	5/16/2019	L&T HYDROCARBON ENG.LTD.	Testing Charges on Water for Construction purpose
54.	5/17/2019	MR.VASUDEV VARMA	Testing Charges on Block granite stone
55.	5/17/2019	MR.BRAMARAMBA MALLIKARJUNA REALTERS	Testing Charges on Steel (16mm & 20mm)
56.	5/25/2019	ROHAN INFRA,TADEPALLI	Testing Charges on Cement Concrete Cubes (M25)
57.	5/25/2019	G & J INFRA,KOLANUKONDA	Testing Charges on Cement Concrete Cubes (M25)
58.	5/25/2019	MR.K.SRINIVASA REDDY	Testing Charges on Cement Concrete Cubes (M35)
59.	5/25/2019	SAPTHAGIRI CONSTRUCTION	Testing Charges on Cement Concrete Cubes (M25)
60.	5/27/2019	PVR CONSTRUCTIONS, ANANTHAPURAM	Testing Charges on Steel,aggregate and cement
61.	5/28/2019	SEETARAMAIH	Testing Charges on Cement Concrete Cubes (M25)
62.	5/28/2019	PVR CONSTRUCTIONS, ANANTHAPURAM	Testing Charges on Water for Construction Purpose
63.	5/29/2019	HANUMANTHU RAMU	Testing Charges on Concrete Design Mix M40
64.	5/29/2019	MR.T.VENKATESWARA RAO	Testing Charges on GSB,WMM

65.	5/30/2019	SRINIVASA EDIFICE	Testing Charges on Ballast
66.	5/30/2019	MR.RAJU	Testing Charges on Beams (Loading Frame)
67.	5/30/2019	RWS & S	Testing Charges on Cement Concrete Cubes (M30)
68.	1/6/2019	SHIV SHAKTI TECNOBUILD PVT. LTD.	Testing Charges on Soil Sample
69.	3/6/2019	VNS Ready Mix	Testing Charges on Cement Concrete Cubes (M20)
70.	3/6/2019	ROHAN INFRA,TADEPALLI	Testing Charges on Cement Concrete Cubes (M20)
71.	7/6/2019	MR.B.RAMANJANEYULU	Testing Charges on Pebbles
72.	7/6/2019	MR.B.RAMANJANEYULU	Testing Charges on Pebbles
73.	11/6/2019	VNS READY MIX,KOLANUKONDA	Testing Charges on Cement Concrete Cubes (M20)
74.	11/6/2019	G & J INFRA,KOLANUKONDA	Testing Charges on Cement Concrete Cubes (M35)
75.	14/06/2019	M/S BRAHMAIAH	Testing Charges on Cement Concrete Cubes (M20)
76.	14/06/2019	VEPL,KANURU	Testing Charges on Cement Concrete Cubes (M50)
77.	17/06/2019	SAPTHAGIRI CONSTRUCTION	Testing Charges on concrete cubes (M25)
78.	17/06/2019	MR.M.SEETHARAMAIAH	Testing Charges on concrete cubes (M25)
79.	19/06/2019	I&T PT&D THALLAYAPALEM	Testing Charges on Soil Sample MDD,OMC
80.	21/06/2019	SHARP TANKS & STRUCTURES,KONDAPALLI	Testing Charges on Murrum
81.	22/06/2019	M/S BRAHMAIAH	Testing Charges on Cement Concrete Cubes (M20)
82.	22/06/2019	M/S NCCL,RAYAPUDI	Testing Charges on Concrete Design Mix M45
83.	24/06/2019	MR.RAJU	Testing Charges on Beams (Loading Frame)
84.	26/06/2019	DEE,APEWIDC	Testing Charges on Soil Sample
85.	26/06/2019	PVR CONSTRUCTIONS, ANANTHAPURAM	Testing Charges on Steel,aggregate and cement
86.	27/06/2019	AEE,GANNAVARAM	Testing Charges on Cement Concrete Cubes (M30)
87.	27/06/2019	MULAGOLLA LIFESPACE,KUNCHANAPALLI	Testing Charges on Cement Concrete Cubes (M20)



RESEARCH ARTICLES:

1. **Dr. A. Venkateswara Rao**, Assistant Professor had published paper entitled "Solvothermal synthesis of BiVO₄/WO₃ hetero structures and their applicability towards electrochemical water oxidation reactions" with KLEF affiliation in European Physical Journal Plus, Eur. Phys. J. Plus (2019) 134: 186.
2. **Dr. A. Venkateswara Rao**, Assistant Professor had published paper entitled "Effect of Heat Treatment Time on Performance of LiMn₂O₄ Nan particles Produced by Sol-Gel Method" with KLEF affiliation in International Journal of Recent Technology and Engineering (IJRTE), 8,1 (2019) 1976-1980.
3. **P. Rekha Rani**, Research Scholar under the guidance of Dr. M.Venkateswarlu, Assistant Professor had published a paper entitled "Spectroscopic studies of Dy³⁺ ions doped barium lead alumino fluoro borate glasses" with KLEF affiliation in Journal of Alloys and Compounds, 787 (2019) 503-518.
4. **Dr. M.Venkateswarlu**, Assistant Professor had published a paper entitled " Spectroscopic properties of deep red emitting Tm³⁺ doped ZnPbWTe glasses for optoelectronic and laser applications" with KLEF affiliation in Journal of Non-Crystalline Solids, 516 (2019) 82–88.
5. **Dr.N.S.M.P. Latha Devi**, Associate Professor, attended One day National Workshop on "Material Characterization Techniques" held on 18th April 2019, conducted by Department of Physics, K L Deemed to be University.
6. **N.Abhiram**, Research Scholar, Department of Physics, attended One day National Workshop on "Material Characterization Techniques" held on 18th April 2019 conducted by Department of Physics, K L Deemed to be University.
7. **Dr.N.Krishna Jyothi**, Assistant Professor, published a paper entitled "AC conductivity and dielectric studies of PVA based solid polymer electrolyte" with KLEF affiliation in Journal of Indian Chemical Society 96 (2019) 76-77.
8. **Dr.N.Krishna Jyothi**, Assistant Professor, published a paper entitled "Electrical and dielectric properties of PVA:PEG:CH₃COONH₄" with KLEF affiliation in Journal of Indian Chemical Society 96 (2019) 182-184.
9. **Dr.N.Krishna Jyothi**, Assistant Professor published a patent entitled "Synthesis of Barium Titanate from Barite ores for Microstrip Antenna Applications" with KLEF affiliation on 26-04-2019.
10. **Mr.M.Gnana Kiran**, Assistant Professor, published a paper entitled "AC conductivity and dielectric studies of PVA based solid polymer electrolyte" with KLEF affiliation in Journal of Indian Chemical Society 96 (2019) 76-77.
11. **Mr.M.Gnana Kiran**, Assistant Professor, published a paper entitled "Effect on structural and magnetic properties of Mg²⁺ substituted cobalt nano ferrite" with KLEF affiliation in Results in Physics 12 (2019) 947-952.



RESEARCH PUBLICATIONS:

Prof. J. V. Shanmukha Kumar:

1. Mufsir Kuniyil, J. V. Shanmukha Kumar, Syed Farooq Adil, Mohammed Rafi Shaik, Mujeeb Khan, Mohamed E. Assal, Mohammed Rafiq H. Siddiqui and Abdulrahman Al-Warthan, "One-Pot Synthesized Pd@N-Doped Graphene: An Efficient Catalyst for Suzuki–Miyaura Couplings", *Catalysts* 9 (2019) 469.
2. Kiran Kumar Solingapuram Sai, Nagaraju Bashetti, Xiaofei Chen, Skylar Norman, Justin W. Hines, Omsai Meka, J. V. Shanmukha Kumar, Sriram Devanathan, Gagan Deep, Cristina M. Furduliu and Akiva Mintz, "Initial biological evaluations of 18F-KS1, a novel ascorbate derivative to image oxidative stress in cancer", *EJNMMI Research* 9 (2019) 43.

Dr. S. Naresh Verma:

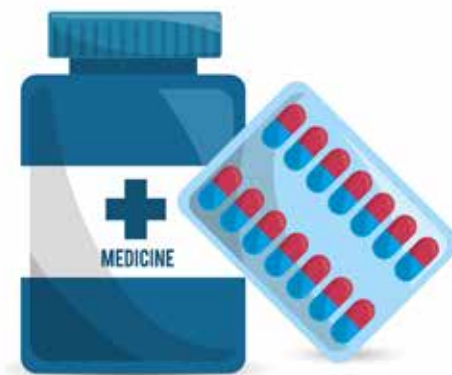
1. Srinivasa Rao Dasari, Subbaiah Tondepu, Lakshmana Rao Vadali, Nareshvarma Seelam, "Design, Synthesis and Molecular Modeling of NSAIDs tagged Substituted 1,2,3-Triazole Derivatives and Evaluation of their Biological Activities", *Journal of Heterocyclic Chemistry* 56 (2019) 1318-1329.
2. B. Srinu, R. Parameshwar, G. Kali Charan, E. Srinivas Ch. P. Koteswara Rao, J. N. Narendra Sharath Chandra, S. Naresh Varma, "Synthesis, Antitubercular activity and molecular docking studies of novel 2-(4-chlorobenzylamino)-4-(cyclohexylmethylamino)-pyrimidine-5-carboxamides", *Russian Journal of general Chemistry* 89 (2019) 836-843.

Dr. M. Sujatha:

1. M. Sujatha, T. Satyanarayana, S. S. Asadi, "Spatial Distribution Analysis on Groundwater Quality of Sarada River Basin, Visakhapatnam, A.P., India", *International Journal of Recent Technology and Engineering* 7 (2019) 6C2.

Ph.D. Thesis Awarded:

Sajeela Perveen Sultana Shaik (Regd. No. 11323009) has been awarded Ph.D. for her work on "Evaluation of the promoting effect of Ceria, Ytterbia and Thoria on the catalytic performance of mixed metal oxide nanoparticles" under the guidance of Dr. K. R. S. Prasad, Professor in Department of Chemistry, Koneru Lakshmaiah Education Foundation on 08th May 2019.



PUBLICATIONS:

1. **Rajesh Kumar Chawla***, Subhranshu Panda, **Kulandaivelu Umasankar**, **Siva Prasad Panda**, Dalu Damayanthi. Method Development and Validation for Quantitative Estimation of Calcium Acetate in Calcium Acetate Capsules by RP-HPLC Using Indirect UV Method. Indian Journal of Pharmaceutical Education and Research, 2019; 53(3s).
2. **RK Chawla**, S Panda, **K Umasankar**, **SP Panda**, D Damayanthi. Risk Assessment, Screening and Control of Elemental Impurities in Pharmaceutical Drug Products: a Review. Current Pharmaceutical Analysis.
3. **K.Venkata Gopaiah** et al. Evaluating the nephron protective activity of *Argyrea nervosa* whole plant against gentamicin-induced nephrotoxicity in albino Wistar rats. International Journal of Green Pharmacy. 2019;13(2): 155
4. **K.Venkata Gopaiah** et al. Lipid-Polymer Based Nanoparticles as a New Generation Therapeutic Delivery Platform for Ulcerative Colitis in vitro/in vivo Evaluation. International Journal of Innovative Technology and Exploring Engineering & Science. 2019;8(8):3351-9. Polimati Haritha, Sunil Kumar Patnaik, **Vinay Bharadwaj Tatipamula***. Chemical and pharmacological evaluation of manglicolous lichen *Graphis ajarekarii* Patw. & C. R. Kulk. Vietnam Journal of Science and Technology 2019;57(3):300-308.
5. **Vinay Bharadwaj T***. New record of mangrove lichens on Andhra Pradesh and Orissa states of India. Studies in Fungi 2019;4(1):90-93.
6. **V. B. Tatipamula***, K. N. Killari, **K. V. Gopaiah** and Alekhya Ketha. GC-MS analysis of ethanolic extract of *Taxithelium napalense* along with its α -glucosidase inhibitory activity. Indian Journal of Pharmaceutical Sciences 2019;81(3):569-574.

Book Publication:

1. K. Venkata Gopaiah et al. Validation methods for the Quantification of Lacosamide using RP-HPLC. LAMBERT Publications. 2019

New Research Guides:

1. Dr. Ranjit Prasad Swain
2. Dr. A. Anka Rao
3. Dr. P. Rajeswari
4. Dr. M. Narender
5. Dr. S. Keerthana

Freshers Column:

New faculty recruited in Pharmacy College includes Dr. Anka Rao, Dr. Ranjith Prasad Swain, Dr. M. Narender, Dr. P. Rajeswari, Dr. S. Keerthana Diyya, Ms. S. Nigama Chandra, Mr. G. Uma Sankar, Mr. Narayana Rao, Mr. T. Vinay Bharadwaj and Mr. Naga Raju. All the new faculty have expressed their willingness to implement the quality parameters to provide OBE to the B.Pharmacy students at KLCP.

Conferences and Workshops:

1. Dr. G.S.N. Koteswara Rao, Associate Professor, KLCP received International Certification from AICTE-UKIERI for participation in 8 weeks international MOOCs FDP on "Creating Open Source Cloud based Gnomio Moodle of Your Own Subject for OBE" conducted by Dr. DYPCOE from 15th April to 10th June 2019.
2. Mr. T. Vinay Bharadwaj, Assistant Professor, KLCP attended training section on "Cross-Cultured Communication Skills" on 4th May, 2019, organized by Academic Staff College, KLEF.
3. Mr. A. Rajasekhar Reddy, Assistant Professor, KLCP has

participated in the IAQHEI'2019 – National Conference on Innovative Mechanisms & Standards for assuring Quality in Higher education Institutions on 22nd & 23rd March 2019, jointly organized by IQAC & Academic Staff College, KLEF.

4. Mr. A. Rajasekhar Reddy, Assistant Professor, KLCP has attended the Pharmacy Council of India (PCI) Continuing Education Programme on “Refinement of Teaching Methodologies for Effective Outcome” from 6th to 8th February 2019 organized by V.V. Institute of Pharmaceutical Sciences, Gudlavalleru.
5. Dr. K. Umasankar, Dr. GSN Koteswara Rao and Mr. A. Rajasekhar Reddy, KLCP has attended the Pharma Techno fest “ECell 2k18-19” from 14th to 16th February 2019 sponsored by ECell, IIT-Kharagpur organized by Viswanadha Institute of Pharmaceutical Sciences, Vishakhapatnam.
6. Mr. A. Rajasekhar Reddy, Assistant Professor, KLCP has participated in DST sponsored three-day Science Exhibition & Technology Demonstration organized by Vijaya College of Pharmacy, Hyderabad from 3rd to 5th January 2019 as a delegate.
7. Mr. A. Rajasekhar Reddy, Assistant Professor, KLCP has successfully completed and received the certificate from NPTEL for the 12 week course “Bioinformatics: Algorithms & Applications” during January-May 2019 by IIT Madras.



ACTIVITIES

Swatchh Bharath:

NSS Cell & YRC of K L College of Pharmacy, K L E F deemed to be University has Conducted “SWACHH BHARATH” Event on 26th January, 2019 in a K L E F adopted village Kolanukonda at D.P.E.P. School.

Volunteers cleaned school surroundings, did swatchh survekshan and identified the problems regarding cleanliness in the village. Volunteers interacted with the villagers and asked them to maintain their houses premises neat and clean. And also, volunteers motivated the students in the villages and got good response from them.

Dr. Habibullah Khan (Dean Student Affairs), Dr Ravindranath (Associate Dean), Mr. A. Rajasekhar Reddy, Mr. K. Venkata Gopaiah and Dr. G.S.N. Koteswara Rao, College of Pharmacy has participated and motivated the students to participate in the event.





Life saving workshop:

Centre for Extension Activities cell of College of Pharmacy, KLEF deemed to be University has organized a workshop "LIFE SAVING WORKSHOP" on 8th January, 2019 in association with Manipal Hospitals, Vijayawada at Manipal Hospital, near Varadhi, Tadepalli. The students of Pharmacy department have participated in the workshop and learn about the Basic Life Support (BLS)/Cardio-Pulmonary Resuscitation (CPR), Automated External Defibrillator (AED) training to save the life of a person in emergency conditions like accident trauma, etc. The program was coordinated by Dr Ravindranath (Associate Dean), Department coordinators Mr. A. Rajasekhar Reddy, Mr. K. Venkata Gopaiah.



MEDICAL CAMP:

K L College of Pharmacy, KLEF Deemed to be University as a part of Youth Red Cross, Unit-3 (Pharmacy) has organized a MEDICAL CAMP at Kolanukonda village on 02-03-2019 from 10:00 AM to 3:30 PM. The Medical Supervisor of KLEF Dr. Ramarao garu has joined their hands for serving the villagers on different disease conditions. Different activities as a part of medical camp like Eye check-up, Diabetes check-up and General consultancy like Hemoglobin, Blood grouping, Body Mass Index, Blood Pressure etc. were held successfully and got good response from villagers. Based on the prescription of the doctors, medicines were provided free of cost to the villagers. More than 75 villagers and 60 school children were got benefited by the medical camp.

Efforts of youth red cross volunteers and arrangements were appreciated by the Students Affairs Dean, Dr. Habibulla Khan, Associate Dean, Dr. Ravindranath, Co-Ordinator Mr. G. Siva Reddy and CEA co-ordinator Dr. S. Venkateswarlu of KLEF Deemed University. Pharmacy faculty and youth red cross in-charges of unit-3 Mr. A. Rajasekhar Reddy and CEA in-charge Mr. K. Venkata Gopaiah guided the volunteers for the smooth conduct of medical camp at Kolanukonda and made the event grand success. The faculty Ms. G. Kalyani and Ms. S. Nigama Chandra were also participated and guided the students.





SPORTS QUOTA ACHIEVEMENT

S. No.	Name of the student	ID NO	Branch	Type of the Sport/Game	Level (International/ National etc.)	Place Won	Date and Venue
1	V.Jyothi Surekha	1752756	MBA	Archery Individual (Compound Event)	International	III	World Championship Archery held at Netherlands from 10th to 15th June 2019
2	V.Jyothi Surekha	1752756	MBA	Archery Women Team (Compound Event)	International	III	World Championship Archery held at Netherlands from 10th to 15th June 2019
3	T.Jeevana sravani	180040565	ECE	Chess	State Level	II	9th NTR Memorial Andhra Pradesh State open Chess Tournament held at NTR Stadium, Gudivada from 22-06-2019 to 25-06-2019

SPORTS QUOTA PARTICIPATION

S. No.	Name of the student	ID NO	Branch	Gender	Event	Level (international/ national)	Date and Venue
1	V.Jyothi Surekha	1752756	MBA	F	Archery Individual (Compound Event)	International	World Championship Archery held at Netherlands from 10th to 15th June 2019
2	V.Jyothi Surekha	1752756	MBA	F	Archery Women Team (Compound Event)	International	World Championship Archery held at Netherlands from 10th to 15th June 2019
3	T.Jeevana sravani	180040565	ECE	F	Chess	State Level	9th NTR Memorial Andhra Pradesh State open Chess Tournament held at NTR Stadium, Gudivada from 22-06-2019 to 25-06-2019

ACHIEVEMENTS AND AWARDS

Winning the prizes and awards has been a regular practice at KL (Deemed to be University). All the major Sports and Games are supervised by well trained and qualified coaches because of which, our students have been winning prizes at International, National, State level apart from Inter-University level.

The following players of our KL (Deemed to be University) medalists in the International, National, South Zone & State tournaments in different Sports and Games for the A.Y 2018-19. (April to June 2019)

S. No.	Name of the student	ID NO	Branch	Gender	Type of the Sport/Game	Level (International/ National etc.)	Place Won	Date and Venue
1	V.Jyothi Surekha	1752756	MBA	F	Archery Individual (Compound Event)	International	III	World Championship Archery held at Netherlands from 10th to 15th June 2019
2	V.Jyothi Surekha	1752756	MBA	F	Archery Women Team (Compound Event)	International	III	World Championship Archery held at Netherlands from 10th to 15th June 2019
3	T.Jeevana sravani	180040565	ECE	F	Chess	State Level	II	9th NTR Memorial Andhra Pradesh State open Chess Tournament held at NTR Stadium, Gudivada from 22-06-2019 to 25-06-2019

PHOTO GALLERY



Arjuna Awardee Ms. Vennam Jyothi Surekha (MBA), bagged Two Bronze Medals for Individual and Compound Women's Team Event in the "World Archery Championship" held at Netherlands



KL Management, University Administration, Faculty, Non-teaching and Students Convey Hearty Congratulations to Ms. V Jyothi Surekha for her Achievement.



Ms. T. Jeevana Sravani ECE 2nd Year participated and secured silver medal in 9th NTR Memorial Andhra Pradesh State open Chess Tournament held at NTR Stadium, Gudivada

5th International Day of Yoga Celebrations at Indoor Stadium on 21st June, 2019



MEDIA COVERAGE





KONERU LAKSHMAIAH EDUCATION FOUNDATION

(Deemed to be University estd., u/s 3 of UGC Act 1956) Approved by ACTE, PCI, COA, BCI

ADMISSIONS

FOR TS & AP EAMCET RANKERS / JEE / IPE

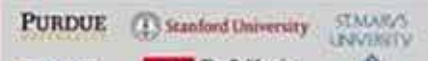
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IT'S TIME

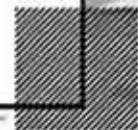
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