

NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY

Venkatagirikote(P), Devanahalli(Tq),

Bangalore-562164

(An ISO 9001-2015 QMS Certified Institution)

An Autonomous Institute, Affiliated to Visvesvaraya Technological University,
Belagavi Approved by AICTE, New Delhi



IQAC ANNUAL REPORT 2019-20



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ABOUTNAGARJUNAEDUCATIONSOCIETY:

The **Nagarjuna Education Society** stands as an icon for enriching education, ethics and practical learning for the benefit of the society and the young aspiring students. The philosophy and its purpose are rendered in its identity, committing to leadership and excellence in education.

Foreseeing the necessity of professional academic educational facilities that are imbued in a strong value system, **Nagarjuna Education Society** was established in 1995, under the able guidance of its founder Sri. J V. Ranga Raju, leading industrialist and philanthropist. NES is today pursuing its mission with some of the finest facilities in Education- from primary school to professional education.

These institutions include, **Nagarjuna Vidyaniketan**, **Nagarjuna Pre-University College**, **Nagarjuna College of Commerce and Management Studies**, **Nagarjuna College of Management Studies** and **Nagarjuna College of Engineering & Technology**. Year after year, these institutions which are well-known for their professionalism, and strong value system, are fulfilling the Society Vision by discovering and developing the potentials of thousands of young minds to their perfection.

NES enjoys the patronage of **Nagarjuna Construction Company**, which is India's fast growing Construction Company, and second largest in terms of turnover, according to Construction World- NICMAR'. Its also the only construction company from India that found its place in the Forbes Asia list of 'Best under a Billion' in Asia Pacific.

Institutions run by *Nagarjuna Education Society*

Sl. No	Institution	Year of Establishment
1.	Nagarjuna Vidya Nikethan	1995
2.	Nagarjuna PU College- Bangalore	2000
3.	Nagarjuna College of Engineering & Technology	2001
4.	Nagarjuna Degree College –Yelahanka	2013
5.	Nagarjuna College of Management Studies	2015
6.	Nagarjuna PU College- Devanahalli	2015

ABOUTTHEINSTITUTION:

Nagarjuna College of Engineering & Technology has crafted the vision to be among the Top Engineering Colleges in Karnataka. All the strategies and policies that we plan have this over-arching goal as a guide. The college has very good infrastructural facilities and the people at NCET are among the best in their fields. The world is changing at exponential rate such that future is no more an extrapolation of the past and the present. It is important to be innovative to keep pace with the world. Science & technology have a great role to play in building India into a developed nation.

The Nagarjuna College of Engineering and Technology is strategically located on the Bangalore-Hyderabad National Highway, a road that falls on the Golden quadrangle. Its proximity to the International airport at Bangalore gives it strategic location and commutability. The lush green campus is spread across 72 acres with on-campus residence for boys and girls. The hostels have amenities like mess, recreation room and state of art Gymnasium etc. Students are encouraged to actively participate in outdoor games as well.

NCET is a tribute to nation from the business house of Nagarjuna Construction Company Ltd. The college is proud to be associated with such a prestigious organization.

About IQAC

An internal mechanism for sustenance, assurance and enhancement of the quality culture of education is imparted by NCET. NCET have established the Internal Quality Assurance Cell (IQAC) as a post accreditation quality sustenance activity. NCET, enlisted/recognized under section 2(f) and eligible to receive central assistance under Section 12B of the UGC Act, 1956 and fit to receive General Development Assistance.

Internal Quality Assurance Cell (IQAC) maintaining the momentum of quality consciousness is crucial. Internal Quality Assurance Cell, in fact, is a mechanism to build and ensure a quality culture at the institutional level. NCET have an internal quality assurance system, with appropriate structure and processes, and with enough flexibility to meet the diverse needs of the stakeholders. The IQAC- NCET is meant for planning, guiding and monitoring Quality Assurance (QA) activities of the colleges.

The IQAC channelize and systematize the efforts and measures of an institution towards academic excellence. The IQAC-NCET became a driving force for ushering in quality by working out intervention strategies to remove deficiencies and enhance quality.

Goals of the IQAC- NCET:

- To develop a quality system for to improve the academic and administrative performance of the NCET
- To promote measures for institutional functioning towards quality enhancement through internationalization of quality culture and institutionalization of best practices.
- Development and application of quality benchmarks/parameters for the various academic and administrative activities of the NCET;
- Arrangement for feedback responses from students, parents and other stakeholders on quality- related institutional processes;
- Dissemination of information on the various quality parameters of higher education;
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
- Documentation of the various programmes / activities of the College, leading to quality improvement;

- Acting as a nodal agency of the NCET for coordinating quality-related activities, including adoption and dissemination of good practices
- Development of the Annual Quality Assurance Report (AQAR) of the NCET based on the quality parameters/assessment criteria developed by the relevant quality assurance body (like NAAC, NBA) in the prescribed format;

IQAC Committee Members- 2019-20

Sl. No	Name	Designation	Role
1	Dr. Srikanta Murthy K	Principal, NCET	Chairman
2	Dr. Gopala Krishna S G	Director, NES	Member
3	Dr. Yogeesha H C	COE & Prof. in Mechanical Engineering	Member
4	Dr. Nagesh K N	HOD – Elec. & Communication Engg.	Member
5	Dr. Anitha Patil	HOD – Computer Science & Engg.	Member
6	Dr. Kapilan N	HOD – Mechanical Engg.	Member
7	Dr. Venkatesh Babu D L	HOD – Civil Engg.	Member
8	Dr. Prachi Beriwala	HOD – MBA	Member
9	Mr. Bhargava R	Asst. Prof. – Computer Science & Engg.	Member
10	Dr. A R Manjunath	Director – Sri Sathya Sai Centre for Human Excellence, Sathya Sai Grama, Muddenahalli	Member
11	Mr. Mahesh C S	CEO – Spaneos Software Solutions Pvt Ltd	Member
12	Mr. Karthik E C	1NC14CS043 – VII Sem, Dept. of CSE	Member
13	Dr. Gururaj M	Professor – CSE	Member Secretary, Coordinator – IQAC

Criteria Wise Summary

1. Curricular Aspects

Nagarjuna College of Engineering and Technology was affiliated to Visvesvaraya Technological University, Belgaum till 2014-15. We have received Autonomous status from Visvesvaraya Technological University and Government of Karnataka from the academic year 2015-16. From 2001 to 2014 the college was following the curriculum framed by Visvesvaraya Technological University from time to time. From the academic year 2015, curriculum will be framed by the Board of Studies for each engineering programs, which consisting of senior faculty members, academicians from other institutions and industry experts to prepare draft syllabus and reviews after getting feedback from all the stakeholders. In the view of rapid technological advances, there could be gaps that need to be addressed. In this regard, institute has a practice of preparing curriculum in consultation with the stakeholders and also based on feedback on syllabus from academia and industry experts along with stakeholders.

The calendar of events for each semester will be prepared by the institute as per university guidelines by including weekly working days, holidays, internal assessment test dates, practical exam dates, Technical Seminar/Workshop schedule, industrial visit dates, parent teachers meeting schedule, sports day, cultural day, graduation day, last working day of the semester along with tentative dates for semester end examinations. The calendar of events will be prepared through strategic perspective plan of the institute, considering the strategic perspective plan of all the departments and advisory cells. The CIE will be effectively conducted by all the departments, which will be monitored by the Controller of Examination (COE) of the institute.

TEACHING - LEARNING AND EVALUATION:

- The institute has well equipped laboratories where students can practice experimental concepts. LED Projectors and teaching aids are in practice for delivering effective teaching.
- The library has good stack of quality books, journals both in printed and electronic forms along with NPTEL videos which are used by students and faculty for their knowledge up gradation.
- Students' performances are evaluated by the Continuous Internal Evaluation (CIE) and Semester End Examination(SEE).

- Every student is assigned to a counselor and the progress of the student is continuously monitored and entered in the ERP.
- Parent Teacher meetings are conducted periodically to keep the parents informed about their ward's progress. The feedback from the students and parents is also discussed during the meetings and corrective measures are initiated.
- Two feedbacks are taken from the students about the teaching during each semester and are discussed with the faculty for progressive improvement.
- The Institution provides supports the faculty members for their overall growth and development through QIP. They are deputed for higher studies and are sponsored for seminars, workshops and conferences at National and International level.

RESEARCH, CONSULTANCY AND EXTENSION:

- 66 research Scholars are pursuing Ph.D. under the guidance of our faculty. 10 Projects were funded by the various funding agencies like VTU, VGST, Institution of Engineers, KSCST etc. Many of our final year student projects were sponsored by KSCST every year.
- Institute has MOUs with many industries and organizations like Texas Instruments- under Texas Instruments University Programme, Oracle, EMC², TCS-ion, NIIT, Wipro, NCC, IIT Mumbai, etc. The college has a consultancy cell to carry out consultancy work which caters to needs of various Government and Private Organizations.
- Texas Instruments Innovation Lab is equipped with 20 TIVA boards with ARM CORTXEX MICROCONTROLLER. Students and faculty have undergone training and executed projects on these boards.
- Bio Diesel research centre and HVAC Research Lab
- Oracle Lab-Training students on Java SE7 programming

STUDENT SUPPORT AND PROGRESSION:

NCET provides all types of support to the students for their overall growth & development.

- Course material is provided on the Moodle Platform for easy access.
- Special classes are conducted for the benefit of slow learners.
- Classes for Communication English, Personality Development and yoga are organized.

- As a part of the co-curricular activity, Inter colligate fest “IKYA” is celebrated.
- Annual cultural day is organized to provide an opportunity for the students to show their cultural talents.
- Students are encouraged to participate in seminars, symposiums, cultural fests and sports activities organized by the University and other institutions.
- Annual sports day is organized to for students and staffs.
- All departments conduct Guest Lectures/Seminars/Workshops/ Conferences regularly.

Governance, Leadership and Management

Governance of the institute is highly enabling and empowering at all the levels. All policies in the matter of planning human resources, recruitment, training, performance appraisal and financial management are carried out systematically considering the overall interest of the institution and stakeholders.

Autonomous Examination Process

The examination concerned processes are carried out by software Instantk. The automations are done for preparation of students list, preparation of time tables, Inviting paper setters /examiners, Coding and decoding of answer books, generation of marks sheet, generation of result sheet, declaration of results with in a month of completing the examinations, statement of marks/grade cards, etc. Adoption of advanced and automated software technology has brought rapidity and improved efficiency, reliability, transparency and accuracy in the examination system.

The examination procedure starting from pre-examination processes like eligible student list generation, list of invigilators, squads, creation of attendance sheet, logistics to post-examination process for capturing attendance, coding of the received answered booklets on the same day of examination, tabulation of marks after external evaluation , declaration of exam results, certification, etc. Time tables are displayed on notice boards.

The examination process is looked after by Principal/ Controller of Examinations with a team of Examination Committee Members. The answer booklets are distributed room wise along with attendance sheets to the invigilators. The question papers which are printed on the same day 45 minutes before the commencement of examination will be sent with utmost confidentiality to the examination rooms by the Deputy Chief Superintendents of

Examinations and after examination the answer booklets are collected by the invigilators and submitted to the Controller of Examinations (COE) for coding and further process. The Autonomous Examination Section follows semester system for all the UG courses. The Semester End Semester Examination shall be conducted for theory / practical for 50%. The Examination Cell issues marks lists with requisite security features. Final degree certificates are issued by VTU.

Research and Development details in AY 2019-20

Research Projects by Funding Agencies

Sl. No.	Name of the Teacher / Principal Investigator	Project Title	Year of Sanction	Funding Agency	Total Amount Sanctioned
1	Dr. NAGESH K N Dr. ROHITH S	Semiconductor and Electronics System Design LAB(SES DL)	2020	MODROB, AICTE	800000
2	Dr. Venkatesh Kumar H	HAM Radio(amateur radio) Used for Transmitting / Receiving Agriculture Market information and early warning communications for emergency situations in remote Village areas	2020	Karnataka State Council For Science And Technology (KSCST)	5500
3	Dr. ROHITH S	Smart assistive shoes and cane to guide visually challenged people	2020	Karnataka State Council For Science And Technology (KSCST)	5000
4	Dr N Kapilan	Development of Indirect Heating type Superconducting Liquid Helium Level Sensors and Comparative Studies with Capacitance type level sensors	2019	BNRS	21,50,000
5	Dr N Kapilan	Development and Evaluation of Solar and Geo-thermal based Cooling and Refrigeration System	2019	VGST	10.00.000
6	Dr N Kapilan	Development and evaluation of a low cost radiant cooling system	2019	ASHARE	\$4,000
7	Dr N Kapilan	Development and fabrication of Indirect evaporative cooling system	2019	ASHARE	\$4,000

Research Guide Details

Sl. No.	Name	Department / Research Centre	Total no. of Candidates Registered
1.	Dr. Srikantamurthy	CSE	5
2.	Dr. Gururaj Murtugudde	CSE	2
3.	Dr. Shantakumar B Patil	CSE	5
4.	Dr. Premjyoti Patil	CSE	3
5.	Dr. Mamatha G	CSE	2
6.	Dr. Nagesh.K.N	ECE	7
7.	Dr. H. Venkatesh Kumar	ECE	-
8.	Dr. Premjyothi G Patil	ECE	1
9.	Dr. S G Gopala Krishna	MECH	6
10.	Dr. N. Kapilan	MECH	6
11.	Dr. D.G. Kantharaj	MECH	2
12.	Dr. K. Kumar	Civil Engg	7
13.	Dr. Venkatesh Babu D L	Civil Engg	5
14.	Dr. Prakash B. Yaragol	MBA	2
15.	Dr. Sandhya N.	MBA	7
16.	Dr. Harisha P	Physics	1
17.	Dr. Manjunatha K	Chemistry	5

Faculty awarded by Ph.D in the AY 2019-2020

Sl. No.	Faculty	Department
1	Dr. Rohith S	ECE
2	Dr. Basavaraj G M	ECE
3	Dr. Taranath	CSE
4	Dr. Harshavardhan	Civil Engg
5	Dr. Chetan M R	Mechanical Engg
6	Dr. Nagaraj	Civil Engg

Research Papers Published By Faculty in Journals

Sl. No.	Name of the Teacher (s)	Department	Title of Paper	Publication citation	National or International Journal
1.	Dr. Nagesh K N	ECE	Adaptive Speech Spectrogram Approximation for Enhancement of Speech Signal	International Journal of Recent Technology and Engineering, vol 8 issue IC, ISSN: 2277-3878 may 2019	International
2.	Dr. Nagesh K N	ECE	A Analysis of Low Power Design Techniques for Last Level Caches Using Way Filter Technique	International Journal of Humanities and Social Science Invention, ISSN: 2319-7714, Volume 8, Issue 5, may 2019.	International
3.	Dr. Nagesh K N	ECE	Study and Design the Performance Analysis of Digital Modulation Techniques	World journal of Engineering Research and Technology, ISSN 2454-695, Volume 5, Issue 3, 2019.	International
4.	Dr. Nagesh K N	ECE	Adaptive Speech Spectrogram Approximation for Enhancement of Speech Signal,	International Journal of Recent Technology and Engineering (IJRTE), ISSN 2277-3878, Volume 8, Issue 1C, may 2019	International
5.	H VenkateshKumar	ECE	Performance Analysis And Simulation Of Digital Modems	Journal of Emerging Technologies and Innovative Research (JETIR),ISSN-2349-5162, PP-46-55, Volume 6, Issue 5, May 2019	International
6.	H VenkateshKumar	ECE	Alu Design And Simulation Using Folded Tree And Clock Gating,	Journal of Emerging Technologies and Innovative Research (JETIR), ISSN-2349-5162), Volume 6, Issue 5,May 2019	International
7.	W John Vaz	ECE	A Novel 3D-Hyperbolic Algorithm to Locate Underwater Acoustic Source	Wireless Sensor Network, special issue on communication, networking computing, Oct 2019, PP 570-574	International Journal
8.	Dr. Premjyoti Patil	ECE	Comparison of Various Machine Learning Methods for	IJRAR, Volume 6, Issue 2, June 2019, Page No: 905-908	International Journal

			Classification and Recognition of Autism Spectrum Disorder		
9.	Dr. Premjyoti Patil	ECE	Low Cost Automated Washing Machine	IJEAT, Volume-9 Issue-1S3, December 2019, Page No: 444-446	International Journal
10.	Dr. Premjyoti Patil	ECE	Performance Metric for Segmentation Algorithms in Brain MRI for early detection of Autism.	IJITEE, Volume-9 Issue-2S, December 2019, Page No: 561-564	International Journal
11.	Dr. Premjyoti Patil	ECE	Elucidation: Scantiness of Electricity and its Effective Utilization during Peak Hours.	IJITEE, Volume-9 Issue-5, March 2020, Page No. 1552-1556	International Journal
12.	Dr. Premjyoti Patil	ECE	Automatic Herb Watering and Irrigation System Using Global System for Mobile with Photovoltaic Cell	IJISRT, Volume-5 Issue-2, February 2020, Page No. 617-620.	International Journal
13.	Mr. Kasetty ram babu	ECE	Detection of frequency gravity waves and prediction of earthquakes using arduino	International Journal of innovative science and research technology. volume 5 issue 3 March 2020	International Journal.
14.	Dr. Anitha Patil	CSE	Aquarium monitoring system	TEST ENGINEERING AND MANAGEMENT, ISSN 0193:4120, 2020	National
15.	Dr.Gururaj Murtugudde	CSE	Anamoly detection and local outlier factor for credit card fraud detection	JETIR , volume 7, issue 2, February 2020	National
16.	Dr.Gururaj Murtugudde	CSE	A Survey on Predictive Analysis and parallel algorithms for knowledge Extraction from data vretrived through various satellites.	IRJET , volume 6, issue 11, November 2019	International
17.	Prabha Naik	CSE	Design of IOT based smart vehicle speed controller model for restricted areas using ardino micro controller.	Journal name: Journal of Interdisciplinary Cycle Research Volume:Volume XII. Issue: Issue II. Date: February/2020 ISSN NO:0022-1945	National

18.	Bhagya M	CSE	Detection of DDoS attack using hybrid machine learning techniques	JRTIR , volume 7, issue 2, February 2020, ISSN Number:23495162	National
19.	Bhagya M	CSE	Hybrid Mobile Application Development in Appzillon MADP	JETIR, Volume-7, issue 2, March 2020, ISSN Number-2349-5162	
20.	Priyanka K	CSE	Low Cost Automated Washing M/C	JRTIR , volume 7, issue 2, February 2020, ISSN Number:23495162	National
21.	Priyanka K	CSE	An Effective Automated Monitoring And Controlling Of Poultry Farm Using IoT		
22.	Dr Shantakumar B Patil	CSE	Low Cost Automated Washing M/C	IJEAT, ISSN: 2249 – 8958, Volume-9 Issue-1S3, December 2019	International
23.	Dr Shantakumar B Patil	CSE	Performance Metric for Segmentation Algorithms in Brain MRI for early detection of Autism,	.	International
24.	Dr Shantakumar B Patil	CSE	Integrated Framework for Secure and Energy Efficient Communication System in Heterogeneous Sensory Application	IJITEE, ISSN: 2278–3075 (Online), Volume-9 Issue-5, March 2020, Page No. 1552-1556.	International
25.	Dr Shantakumar B Patil	CSE	Elucidation: Scantiness of Electricity and its Effective Utilization during Peak Hours,	IJECE, ISSN 2088-8708, vol 3	International
26.	Raghavendra T K	CSE	Anti poaching of trees and wildlife monitoring	JETIR,ISSN 2349-5162, VOLUME 7,ISSUE 3 ,march-2020	National
27.	Swathi S	CSE	Secure Data Aggregation in IOT using efficient CSDA	IJECE(International)vol 9 no 6,Dec 2019 (part 1)	International
28.	Swathi S	CSE	Smart Helmet on IoT Technology for safety and accident Detection	IJCATR ISSN:2319-8656	National
29.	Swathi S	CSE	Lidar based Adaptive Cruise Control System	JETIR VOLUME 7,ISSUE 3 ,march-2020	National
30.	Sudhakara Reddy M	CSE	Aquarium Monitoring System	Article InfoVolume 82Page Number: 8971–	National

				8977Publication Issue:January-February 2020	
31.	Vidya V	CSE	A Privacy Preserving Big Data Platform for Collaborative Spam Detection	IJRESM,Volume-3,Issue-3,March-2020,ISSN-2581579	National
32.	Vidya V	CSE	Novel DIP Method based Detection of Malaria Parasite	IJRESM,Volume-3,Issue-5,March-2020,ISSN-25815792	International
33.	Seema J	CSE	Public Data Integrity Verification against Prolonged Auditors For Cloud Storage using Block-Chain Technology	IJCRD Journals, Publications in February - 2020 Vol:9 ; Issue- 2	International
34.	Raghavendra B	CSE	Design and Implementation of Heart Diseases Predictor Using Machine Learning Algorithm over Live Cloud infrastructure	JETIR, Volume-7, Issue-2, March 2020, ISSN: 23495162	International
35.	Pramoda K V	CSE	Smart Supervisory Stick for Blind Using Raspberry Pi	JETIR, Volume-7, Issue-3, March 2020, ISSN: 23495162	International
36.	Subramanya S G	CSE	Crop Loss Prediction using IoT	IJRESM, Volume-3, Issue-3, March 2020	International
37.	Subramanya S G	CSE	AI BASED SHOOT AT SIGHT MISSILE	IJRESM, Volume-3, Issue-3, March 2020	International
38.	Dr. Mamatha G	ISE	Object recognition for visually impaired using Machine Learning	IJRESM,Volume-3, Issue-1, January-2020	International
39.	Dr. Mamatha G	ISE	Crowd sourcing Towards Block chain	IJRESM,Volume-3, Issue-1, January-2020	International
40.	Dr. Mamatha G	ISE	Object Recognition for aged people	IJRESM,Volume-3, Issue-1, January-2020	International
41.	Dr. Mamatha G	ISE	Introduction to Mobile technology 6G – A Revolution	IJRESM,Volume-3, Issue-1, January-2020	International
42.	Prof. Monika N	ISE	A study on E-learning and Cloud computing	IJRESM,Volume-3,Issue-1,January-	International 2020
43.	Prof. Monika N	ISE	Smart traffic Automation system	IJRESM,Volume-3,Issue-1,January-2020	International
44.	Prof Ashwini S S	ISE	Speech to Gesture Interpreter	IJRESM , Volume-3, Issue-1, January-2020	International
45.	Prof Ashwini S S	ISE	A Smart Helmet on	IJRESM, volume-	International

			IoT technology for safety and Accident Detection	3,issue4,april2020	
46.	Prof. Mohan D N	ISE	IoT based air and noise pollution monitoring systems in urban and rural ares	IJRESM,Volume-3, Issue-1, January - 2020	International
47.	Prof. Mohan D N	ISE	Smart water usage and Leakage Monitoring	IJRESM,Volume-3, Issue-1, January-2020	International
48.	Prof. Sushma A	ISE	Security enhancement using pre authentication ana proxy reencryption	IJRESM,Volume - 3,issue-3,March-2020	International
49.	Prof. Geetha M	ISE	5G Technology	IJRESM,Volume - 3,issue-3,March-2020	International
50.	Prof. Ashok S Patil	ISE	Iot based solar powered agribot for irrigation and farm monitorin	IJRESM,Volume-3, Issue-2, Feb-2020	International
51.	Prof. Kishore P J	ISE	Trustworthy keyword search over Encrypted data via Block chain	IJRAR Volume-6, Issue conference Feb-2019	International
52.	Dr. N Kapilan	Mechanical Engineering	Performance of Vapor Compression Refrigeration System using Nanoparticles – Based Mineral Oil Lubricant	International Journal of Recent Technology and Engineering, 8(3), 730-734, 2019	International
53.	Dr. N Kapilan	Mechanical Engineering	Improved Erosion Resistance by HVOF Sprayed 10% Al ₂ O ₃ -COCrAlTaY Coating on Ti-31	IJRTE, Volume-8 Issue-5, January 2020, 1605-1610	International
54.	Dr. N Kapilan	Mechanical Engineering	Influence of Propyl gallate antioxidant on performance and emissions of a compression ignition engine fueled with Madhuca Indica B20 ester blends	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 2019	International
55.	Dr. Kantharaj D G	Mechanical Engineering	Performance and Efficiency of Swamp Cooling System	IJSRD, Volume 8, Issue 3, 2020,	International
56.	Mr. JullyaNaik L	Mechanical Engineering	Development and Evolution of a Low Cost radial cooling system	IJSRED, Volume 3, Issue 3- 2020	International
57.	Mr. Balaji Y S	Mechan	Centre Fuselage Metal	IJSRD, Volume 7, Issue	International

		ical Engineer ing	Cover Weight Optimization of Combat Aircraft Using CFC	5, J 2019, Page no 847- 850	
58.	Mr. ManjunathRaju G	Mechan ical Engineer ing	Performance Enhancement of Solar Water Heater using Reflective White Sheet	IJSRED, Volume 7, Issue 5, J 2019	International
59.	Mr. Amaresh Gunge	Mechan ical Engineer ing	Study on mechanical properties of alkali treated plain woven banana fabric reinforced biodegradable composites	Composites Communications, 2019, Vol.13, 47-51	International
60.	Mr. Amaresh Gunge	Mechan ical Engineer ing	Mechanical properties of chemically treated woven banana/polyvinyl alcohol composites	Emerging Materials Research, 2019, Vol.08, 1-6	International
61.	Mr. Vijaykumar M Patil	Mechan ical Engineer ing	Development and Evaluation of Thermoacoustic Refrigeration System	IJSRED, Volume 3, Issue 3, 2020, Page No.16	International
62.	Mr. Prashanth Kumar S	Mechan ical Engineer ing	Improvement in Heat Transfer Characteristic of Nucleate Pool Boiling of Water	IJSRED, Volume 3, Issue 3, 2020, Page No.144	International
63.	Mr. Vinod Kumar	Mechan ical Engineer ing	Effect of Mechanical and Tribological properties on Aluminium - Graphene reinforced composites	ANUSANDHANA - Journal of Science, Engineering and Management, Vol-07, Issue – 01, 2019	National
64.	Mr.HareeshNaik	Mechan ical Engineer ing	Performance study on evaporative cooling system	IJSRD, Volume 8, Issue 3, 2020	International
65.	Mr Lava K R	Mechan ical Engineer ing	Performance Studies on Heat Exchanger with Nano-Fluids	Volume 8 Issue 2 2020	International
66.	Mr Lava K R	Mechan ical Engineer ing	Comparative Study of Doubled Pipe Heat Exchanger and Shell and Tube Heat Exchanger	Volume 7 Issue 01, 2019	International
67.	Mr Divya Srinath -	Civil Engineer ing-	Compressive Strength of Concrete with Construction and	- Journal of Recent Technology and	International

			Demolition Waste and m-SAND using Additives -	Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-2S10, September 2019 -	
68.	Mr Divya Srinath -	Civil Engineering-	Studies on Flexural Strength of Concrete with Demolished Concrete as Coarse Aggregate(Partial Replacement) and Manufactured Sand as Fine Aggregate(Total Replacement) using Admixtures	International Research Journal of Engineering and Technology (IRJET)	International
69.	Ms Vidyashree	Civil Engineering-	Urban flood Management and Monitoring in Vrishabhavathi Valley	International Journal of Civil Engineering and Technology	International
70.	Dr. Prachi Beriwala	MBA	A study on Quality of Work life among Degree College teachers in Bengaluru Urban	International Journal of Business Management & Technology, ISSN no. 2321-8703, Pg.23-28	International
71.	..Prof. Biraj Ameet Anil	MBA	A study on Supply Chain Management of Organic Vegetables and Fruits in Bangalore City	Online International Interdisciplinary Research Journal , 9 (5), Pg. 68-83	International
72.	Prof. Seema Banu	MBA	Dissminating agricultural information to farmers with a help of participatory approaches and ICT-Karnataka	ISSN: 0971-2143. Vol 31(11), April 2020	International
73.	Dr Manjunatha k	Chemistry	Electrochemical Behavior of 1,3-bis(1-Phenylethyl) Urea as a Corrosion Inhibitor for Carbon Steel in 1 M HCl	<u>Journal of Failure Analysis and Prevention</u> volume 20, Feb 2020, pages226–234-	International

Books Published By Faculty

Sl. No.	Title	Author/s	Year of Publication	Name of the Publisher/s	Remarks
1	Computer Peripherals and its Organization: A Teacher Handbook	Dr. Premjyoti Patil, Dr. Shantakumar Patil	2020	Independent Publisher	--
2	Learn Java With Real World Problems	Dr. Anitha Patil, Dr. Srikanta Murthy K, Mr. Bhargava R, Mrs. Seema J	2020	Akinik Publications	--
3	Computer Peripherals and its Organization A Teacher Handbook	Dr. Shantakumar B Patil	2020	Independent Publisher	--
4	Learn Java With Real World Problems	Seema J	2020	Akinik Publications	--

Workshop/ FDP/ Seminar Organized in AY 2019-20

Seminar/Webinar/ Guest Lecture Organized

Sl.No.	Department organized	Title	Date
1	Electronic and Communication	Android Programming	23/03/2019
2	Electronic and Communication	Software Engineering practices in Industries	7/9/2019
3	Computer Science and Engg	Webinar-Millenial Gurus	21/05/2020
4	Computer Science and Engg	Workshop on Google Cloud Engineering	24/08/2019
5	Mechanical Engineering Department	One Day Workshop on Electric Vehicles and BS VI	NA
6	Mechanical Engineering Department	One Week STTP on Future Skills on 3D Printing	NA
7	Mechanical Engineering Department	Invited Talk on Carrier Opportunities in Aerospace and Engineering.	28/08/2019
8	Mechanical Engineering Department	Technical Talk on Introduction to Air Conditioning	08/01/2020.
9	Mechanical Engineering Department	One Week Virtual FDP on Virtual Lab – Engineering faculty across Karnataka	06.05.2020 to 13.05.2020
10	Mechanical Engineering Department	One Week Virtual FDP on Virtual Lab – Polytechnic faculty across Karnataka	18.05.2020 to 22.05.2020
11	Mechanical Engineering Department	Technical Talk by Mr. Chandana Dalugoda, ASHRAE DL and Visiting Professor University of Moratuwa, Sri Lanka	08.06.2020
12	Mechanical Engineering Department	Webinar on Additive Manufacturing and 3D Printing	08.06.2020
13	Mechanical Engineering Department	Industry 4.0 Industrial Design	09.06.2020
14	Mechanical Engineering Department	Industry 4.0 electric vehicles	10.06.2020
15	Mechanical Engineering Department	Industry 4.0 Advances in CNC Machines	11.06.2020
16	Master of Business Administration	Case Study Writing	17-10-2019
17	Master of Business Administration	One day Workshop on "Experience Economy Driving Entrepreneurship & Innovation"	25-10-2019
18	Master of Business Administration	Guest Lecturer on "A Conceptual Overview of Organization Structure Dynamics and Behavior"	27-12-2019
19	Master of Business Administration	Guest Lecturer on "Changing Landscape in the World of Marketing"	14-01-2020

20	Master of Business Administration	Decoding the Future of Workforce: Industry 4.0	18-02-2020
21	Master of Business Administration	Online Guest Lecture On "Digital Forensics"	16-05-2020
22	Master of Business Administration	Online Webinar on "Emotional Intellingence for Teaching"	21-05-2020
23	Master of Business Administration	Online Guest Lecture On "Corporate Governance and CSR"	17-06-2020
24	Master of Business Administration	Online Guest Lecture On "Immunity and its Relevance"	13-07-2020
25	Master of Business Administration	Online Webinar on 'Direct Tax-A walk down the memory lane"	08-08-2020
26	Department of Civil Engineering	Demo on Shake Table	14-08-2019
27	Department of Civil Engineering	Ferro cement -An Ideal	8/8/2019
28	Department of Civil Engineering	"Retrofitting"and Rehabilitation of structures	16-09-2019
29	Department of Civil Engineering	"Environmental Laws and Pollution Controls"	17-02-2020
30	Department of Civil Engineering	Technical talk on "Environmental Laws and pollution control"	17-02-2020
31	Department of Civil Engineering	Invited talk on " WaterProofing Solutions and JOB opportunity"	12/3/2020
32	Department of Civil Engineering	Webinar on " time for nature"	27-05-2020
33	Department of Civil Engineering	National Level webinar "Biodiversity"	27-05-2020
34	Department of Civil Engineering	IPR and E Patent Filing	26-06-2020

Invited Special Lectures Delivered In the College by Experts from Industry and Academia

Sl. No.	Name of the Invited Scholar with full Address	Title of the Lecture delivered	Date of the Lecture
1.	Mr Harshwardan	Effective use of Open Source software	07.03.2020
2.	Mr.Taranath L	Problem Solving Techniques	10-02-2019
3.	Dr. Ganesan R	Modernaized Approaches in Research and Publication	26 th to 28 th Nov 2019
4.	Abhilash K Prabhu Energy & CFD Analyst IDSPL, Delhi	Building efficiency and performance evaluation	05.09.2019
5.	Mr. Venkatachalam Scientist, ISRO	Duct Design	17.11.2019
6.	Mr. Vinod Kumar,	Origination Programme on 3D	23.12.2019

	Team Lead CSR, LTI, Bengaluru	Printing.	
7.	Chethan Ramesh Reddy Engineer, PayPal, Bengaluru	How to face interview and how to search jobs.	07 Jan 2020
8.	Mr. Chandana Dalugoda, ASHRAE Distinguished Lecturer, Professor, University of Moratuwa, Sri Lanka	Technical Talk on Introduction to Air Conditioning	08.01.2020
9.	Shashidar Engineer, Amazon, Bengaluru	Job prospects and expectations	25.01.2020
10.	Dr. Bhimaraya Metri Director, IIM Tiruchirapalli	Decoding The Future of Work Force: Industry 4.0	18.02.2020
11.	Mr. Kumar S	Experimental Investigation on Flexural and Shear Behaviour of Post –Tensioned Fly ash Based Geopolymer Concrete Beams	24th –FEB - 2020
12.	Mr. Preetesh A Professional Consultant Powerserv.pro Bangalore	“HOW TO BE INDUSTRY READY IN TERMS OF SPECIALIZATION AND SKILLS TO BE ACQUIRED	23 rd August, 2019
13.	Ms. Archana K Founder Conscious Living Center Bangalore	Welcome to Adulthood2	22 nd October, 2019
14.	Mr. Uday Birje & Mr. Vikas Goel Director Think street Technologies Bangalore	Experience economy driving - Innovation and Entrepreneurship	26 th October, 2019
15.	Mr. Veeramani V Cool Guru LLP Bangalore	Pre placement training	30 th November, 2019
16.	Mr. Keshav Sridhar CEO Orate Training & Placement Bangalore	Campus to Corporate	19 th December, 2019

Seminars, Workshops, FDP Attended by Faculty members

Sl. No.	Name of the Teacher	Name of the Conference etc.	Place	Date
1.	Dr. Nagesh K N	IEEE Global Conference for Advancement in Technology, Bangalore	NCET, Bengaluru	18th -20th October, 2019
2.	Dr. Nagesh K N	To develop and evaluate Courses in Digitalization and Virtual Labs	Asian Institute of Design, Bengaluru, India	14th- 16th August 2019
3.	Dr. Venkatesh Kumar H	IEEE Global Conference for Advancement in Technology, Bangalore	NCET, Bengaluru	18th -20th October, 2019
4.	Dr. Venkatesh Kumar H	Faculty Development program (FDP) On “Quantum Computing”	Online NPTEL program	(jul-Oct-2019)
5.	H.VenkateshKumar,	IEEE Conference- 2019 4th International Conference on Recent Trends on Electronics, Information, Communication & Technology	Sri Venkateshwara College of Engineering Bengaluru	MAY 17th & 18th 2019
6.	Dr. Wilfred Vaz	IEEE Global Conference for Advancement in Technology, Bangalore	NCET, Bengaluru	18th -20th October, 2019
7.	Dr.Premjyoti Patil	First IEEE International Conference on Advances in Information Technology	AIT College, Chikkamagaluru	24th-27th July 2019
8.	Dr.Premjyoti Patil	IEEE Global Conference for Advancement in Technology, Bangalore	NCET, Bengaluru	18th -20th October, 2019
9.	Dr. Basavaraj G M	IEEE Global Conference for	NCET, Bengaluru	18th -20th October,

		Advancement in Technology, Bangalore		2019
10.	Dr. ROHITH S	IEEE Global Conference for Advancement in Technology, Bangalore	NCET, Bengaluru	18th -20th October, 2019
11.	DR. ROHITH S	IEEE 4th International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT-2019),	Sri Venkateshwara College of Engineering Bengaluru	17 th & 18 th MAY 2019
12.	DR. ROHITH S	FDP on Computer network using network simulators	SJCIT, Chickballapur	20 – 24th Mar 2019
13.	MAHESH M R	Effective Teaching Techniques in DSP	VTU Regional Centre, Muddenahalli, Chickballapura	26th Aug 2019 to 30th Aug 2019
14.	Vinayakumar S R	Advance control engineering and simulation using MATLAB and Simulink tools	GCE Ramanagara	26 th -31 st August 2019.
15.	Sreenivasulu K N	FDP on “Computer Vision and Image Processing – Research Focus”	NIT, Warangal	11 - 16th June 2019
16.	Sreenivasulu K N	VTU-INAE Half day workshop on “Understanding 4G/5G wireless Communication Systems”,.	VTU Regional Office, Nagarabhavi, Bengaluru	28-11-2019
17.	Dr. Shantakumar B Patil	ICAIT 2019	Chikkamagaluru	24- 27.07.2019
18.	Dr. Shantakumar B Patil	Indian Summit 2019	USA	03- 06.10.2019
19.	Dr. Mamatha G	Software Engineering Practices in Industr	NCET	07.09.2019
20.	Prof Ashok s patil	Software Engineering Practices in Indust	NCET	07.09.2019
21.	Prof. Kishore P J	Software Engineering Practices in Industry	NCET	07.09.2019

22.	Prof. Mohan D N	Software Engineering Practices in Industry	NCET	07.09.2019
23.	Prof. Ashwini S S	Software Engineering Practices in Industry	NCET	07.09.2019
24.	Prof. Sushma A	Software Engineering Practices in Industry	NCET	07.09.2019
25.	Prof. Geetha M	Software Engineering Practices in Industry	NCET	07.09.2019
26.	Prof. Monika N	Software Engineering Practices in Industry	NCET	07.09.2019
27.	Dr. N Kapilan	IIETME2019	NCET, Bengaluru	26.04.2019 & 27.04.2019
28.	Dr. N Kapilan	QIP STTP on Air Delivery Systems and Indoor Environmental Quality	IIT, Madras, Chennai	02.03.2020 to 07.03.2020
29.	Vijay Kumar Patil	Duct design in HVAC	NCET	19.10.2019
30.	Vijay Kumar Patil	QIP STTP on Air Delivery Systems and Indoor Environmental Quality	IIT, Madras, Chennai	02.03.2020 to 07.03.2020
31.	Mr. Balaji Y S	Five days workshop on “Processing and Characterization of Metal Matrix Composites”	SJCIT, Chickballapur	15.07.2019 to 19.07.2019
32.	Mr. Balaji Y S	FDP “ An Overview of Teaching Techniques in Strength of Materials/Mechanics of Materials”	Centre for Post-Graduation Studies Muddenahalli, Chickballapur	26.08.2019 to 30.08.2019
33.	Mr. Amaresh Gunge	International conference on advances in materials, ceramics and engineering science (AMCES-2020)	Dayananda Sagar College of Engineering	17th - 18th January, 2020

34.	Mr. Vinod Kumar	Four day National Seminar on Innovations In Science & Engineering	Sir MVIT, Bengaluru	25.02.2019 to 28.02.2019
35.	Mr. Vinod Kumar	“A Review on effects of various reinforcements on Al2024 based MMC” in the International Conference on “Innovations & Emerging Trends in Mechanical Engineering (IITME)”	NCET, Bengaluru	26. 03.2019- 27.03.2019
36.	Mr. JullyaNaik L	Two Days Innovation Ambassador Training program	ACS college of Engineering	26.02.2020 to 27.02.2020
37.	Mr. Prabhakar C.G	FDP on Innovations and data analytics	SVCE	22.07.2019 to 27.07.2019
38.	Mr. Prabhakar C.G	FDP on An overview of teaching techniques in strength of materials/mechanics of materials	VTU, mudenehalli	26.08.2019 to 30.08.2019
39.	Mr. Prabhakar C.G	FDP on An overview of teaching techniques in finite element methods	VTU, mudenehalli	30.12.2019 to 03.01.2020
40.	Mr. Prabhakar C.G	FDP on In pursuit of innovation product development, IPR and EDC	SVCE	20.01.2020 to 25.01.2020
41.	Mr. Vinod Kumar	Two Days Innovation Ambassador Training program	ACS college of Engineering	26.02.2020 to 27.02.2020
42.	Dr. Venkatesh Babu	The Institution of Engineers - 34th Indian Engineering Congress - Societal Engineering – Imperatives for Nation Building	Hyderabad	Dec 27-29, 2019
43.	Dr. Venkatesh Babu	Second International Conference on Materials Science and Manufacturing Technology 2020	Coimbatore	29/05/2020 - 30/05/2020.

44.	Dr. Venkatesh Babu	Workshop on “ Precast Concrete Lighweight Large EPS panels for Mass Housing”	Chennai	02/03/2020
45.	Dr. K Kumar	One week Hands on FDP on Labbiew for Engineering Applications	Bengaluru	6 th to 10 th January 2020
46.	Dr. Harish V	Workshop on “ Precast Concrete Lighweight Large EPS panels for Mass Housing”	Chennai	02/03/2020
47.	Mr DivyaSrinath -	1 st International Conference on Recent Trends in Technology, Engineering and Applied Science”,	KGF, Karnataka	12 th April 2019,
48.	Mr DivyaSrinath -	National Seminar for Research Scholars 2019	Bengaluru	25 th April 2019
49.	Mr DivyaSrinath -	Research Retreat November 2019	Bengaluru	23 rd November 2019
50.	Dr L Pinky Devi	4th International conference on Construction, Real Estate, Infrastructure And Project Management(ICCRIP 2019)”	Pune	December 13th – 14th, 2019
51.	Dr L Pinky Devi	One week Hands on FDP on Labbiew for Engineering Applications	Bengaluru	6 th to 10 th January 2020
52.	Dr. Nagaraj	The Institution of Engineers - 34th Indian Engineering Congress - Societal Engineering – Imperatives for Nation Building	Hyderabad	Dec 27-29, 2019
53.	Dr. Nagaraj	Second International Conference on Materials Science and Manufacturing Technology 2020 (ICMSMT 2020),	Coimbatore	29/05/2020 - 30/05/2020.

54.	Mr Mandeep B V	Emerging trends and challenges in Applied Science , Engineering and Technology	Bengaluru	10/3/2020 to 11/03/2020
55.	Mr Mandeep B V	Workshop on “ Precast Concrete Lighweight Large EPS panels for Mass Housing”	Chennai	02/03/2020
56.	Mr Mandeep B V	FDP on Modernized Approaches in Reseach and Publications	Bengaluru	26/09/2019 to 26/09/2019
57.	Mrs Vidyashree M	Seminar on – Research Avenues and Practical Applications in Concrete Technology	Bengaluru	25/10/2019 to 26/10/2019
58.	Mrs Vidyashree M	FDP on Modernized Approaches in Reseach and Publications	Bengaluru	26/09/2019 to 26/09/2019
59.	Mrs Vidyashree M	Global conferences on Advanced Smart and Sustainable Techmologies in Engineering	Bengaluru	30/01/202020 to 31/01/2020
60.	Mrs Chaitra DM	National Seminar on Precast Conrtete Technology	Bengaluru	07/09/2019
61.	Mrs Chaitra DM	FDP on Overview of the teaching Techniques on Design of Steel structutal Elements	Chickballapur	27/01/2020 to 31/01/2020
62.	Mrs Kavitha	FDP on Overview of the teaching Techniques on on Design of Steel structutal Elements	Chickballapur	27/01/2020 to 31/01/2020
63.	Mrs Kavitha	FDP on Modernized Approaches in Reseach and Publications	Bengaluru	26/09/2019 to 26/09/2019
64.	Mrs Ramyashree	FDP on Modernized Approaches in Reseach and Publications	Bengaluru	26/09/2019 to 26/09/2019
65.	Mrs Vanishree	FDP on Modernized Approaches in	Bengaluru	26/09/2019 to

		Reseach and Publications		26/09/2019
66.	Mrs Chaya	FDP on Overview of the teaching Techniques in Analysis of Determinate Structures	Chickballapur	13/01/2020 to 18/01/2020
67.	Ms Vidyashree MG	One week Hands on FDP on Labbiew for Engineering Applications	Bengaluru	6th to 10th January 2020
68.	Ms Priyanka	FDP on Modernized Approaches in Reseach and Publications	Bengaluru	26/09/2019 to 26/09/2019
69.	Mrs Geetha D	FDP on Modernized Approaches in Reseach and Publications	Bengaluru	26/09/2019 to 26/09/2019
70.	Mrs Geetha D	Workshop on "Sustainable approach for water conservation using Geo informatics"	Bengaluru	13th and 14th of March 2020
71.	Dr. Prachi Beriwala	9 th world education Summit	Bangalore	7 th September, 2019
72.	Dr. Prachi Beriwala	Invited Lecture talk on “ How to begin with Research”	Indian Academy Bangalore	10 th October, 2019
73.	Dr. Prachi Beriwala	HR Symposium	RVIM, Bangalore	22 nd February, 2020
74.	Prof. Biraj Ameet Anil	National Level workshop on “Application of advanced statistical tools in Research”	Tumkur University, Tumkur, Karnataka	21 st , December 2019
75.	Prof. Biraj Ameet Anil	Faculty Development Program on “Research Methodology Using SPSS & MS Excel	Dr.N.S,A,M. First Grade College, Bangalore	22nd November 2019
76.	Dr. Vala Ghanshyam K	HR Conclave-2019 on “Diversity & Inclusion – A Business Imperative”	Jain Deemed-to-be-University, Center for Management Studies, Bangalore	21 Sep 2019
77.	Dr. Vala	SDP by PG Dept of	Sri Aurobindo	13 Dec

	Ghanshyam K	Commerce on “Changing Trends in Indian Foreign Policy (IFP)- From Political to Economic Diplomacy”	College, Bangalore	2019
78.	Dr. Vala Ghanshyam K	National Level MDP by Department of Management on “Value Creation Through Entrepreneurship”	Kristu Jayanti College, Bangalore	28 Feb 2020
79.	Prof. Seema Banu	International conference on Information technology, Entrepreneurship, Humanities,& sustainable value chain in a challenging Environment	Dubai	24 th February, 2020
80.	Prof. Rajeshwari G	“Dynamics of E&M Commerce” in association with BIZZ IAGNOSTICS	Nagarjuna Degree College Bangalore	19 th . October 2019
81.	Prof. Rajeshwari G	Transformative Consumerism and Sustainability: The Emerging Global Business Scenarios	Gitam HBS Bangalore	Nov 15-16, 2019
82.	Prof. Rajeshwari G	Faculty Development Program on “Research Methodology Using SPSS & MS Excel	Dr.N.S,A,M. First Grade College, Bangalore	22nd November 2019
83.	Prof. Rajeshwari G	FDP on Data Analytics using Tableau	SAMS, Bengaluru	19th Oct 2019
84.	Prof. Rajeshwari G	Online Course on Examination Reforms	AICTE Bangalore	April 22 – 25, 2020
85.	Dr. Harisha P	International Conference on "Innovations in Technology, Business and Management	Nagarjuna Degree college, Bangalore	7 th Feb 2020

86.	Mrs. Archana B S	A Three day FDP on " STUDENT INDUCTION PROGRAM"	cambridge institute of technology,Bangalore.	17th to 19th June 2019 at
87.	Mrs. Archana B S	A seven day FDP for " STUDENT INDUCTION PROGRAM"	SVCE, Bangalore.	23-29 July
88.	Mrs. Archana B S	One week hands on FDP on " LAB VIEW FOR ENGINEERING APPLICATIONS"	NCET,	6th to 10th Jan 2020

Faculty Achievements/ Awards and Recognition

- Dr.Rohith S of Electronics and Communication department has been awarded “Confederation of elite Academicians of IICDC”
- Dr Premjyothi G patil of Electronics and Communication department has been awarded BEST PAPER AWARD
- Dr. Rohith S,Dr. Nagesh K N, Dr. Basavaraj GM, Dr. Venkatesh Kumar H of Electronics and Communication department has been awardedAppreciation certificate for Session Chair in GCAT 2019
- Mr Sanath Kumar of Civil Engineering Department has been awarded “Chhatra Vishwakarma Award-2019”
- Mr Sanath Kumar of Civil Engineering Department has been awarded “Best coordinator Award 2019” from IIRS(ISRO)
- Poornima U K from Master of Business Administartion department has been awarded “Best coordinator Award 2019” from IIRS(ISRO)
- Dr.Basavaraj G M of Electronics and Communication department has been awarded Best presentation award.
- Dr. Rohith S, Kasetty Rambabuof Electronics and Communication department received funds from KSCST for project Intelligence WSN Interceptor For Vehicles.
- Mrs Vidyashree MGof Civil Engineering department received funds from KSCST for “projectApplication of nano particle using e-waste for treatment of textile mill waste water”
- Mrs. Shilpaof Civil Engineering department received funds from KSCST for project“Treatment of diary industrial waste water using activated grass as an adsorbents”
- Dr. Venkatesh Babu D.L.of Civil Engineering department published a paper titled “Fresh, Strength and Durability Characteristics of Binary and Ternary Blended Self Compacting Concrete”in International Journal of Engineering and Advanced Technology (IJEAT)
- Dr. L. Pinky Deviof Civil Engineering department published a paper titled “Life cycle energy analysis of a low-cost house in India” in International Journal of Construction Education and Research

- Dr. Nagraj V. K of Civil Engineering department published a paper titled “An efficient production of hybrid recombinant protein comprising non-structural proteins (NS 1 & NS 3) of bluetongue virus in prokaryotic expression system” in Protein expression and purification.
- Dr. Suravi Pal of Civil Engineering department published a paper titled “Effect of clogging of stone column on drainage capacity during soil liquefaction” in Soils and Foundations
- Mr. Divya Srinath of Civil Engineering department published a paper titled “Compressive Strength of Concrete with Construction and Demolition Waste and m-SAND using Additives” in International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-2S10, September 2019.
- Mr. Amaresh Gunge of Mechanical Engineering department published a paper titled “Study on mechanical properties of alkali treated plain woven banana fabric reinforced biodegradable composites” in Composites Communications.
- POORNIMA U K of MBA published a paper titled “Role of Panchayats in Rural Development” in International Journal of Multidisciplinary Research Review.
- Dr. H. Venkatesh Kumar of Electronics and Communication department published a paper titled “Live Streaming of Agriculture Market Statistics to the Remote Village Areas Using Amateur Radio” in International Journal of Innovative Science and Research Technology.
- Dr. Nagesh K.N of Electronics and Communication department published a paper titled “Design and Implementation of Quadcopter for Surveillance Application” in International Journal of Innovative Science and Research Technology.

Glimpse of the Activity of AY 2019-20

a) Guest Lecture on "Recent trends in Signal Processing and its Applications" and "Research Proposals and Funding Agencies"

Guest Lecture by Dr. Kishore kumar T Professor, ECE Department, NIT WARANGAL on the topics "Recent trends in Signal Processing and its Applications" and "Research Proposals and Funding Agencies" arranged by ECE Department in main block seminar for our students and staff members on 28.02.2020. Dr. Srikantamurthy K, Principal, NCET, Dr. Harisha P, Vice Principal , NCET, Dr. Nagesh K N , HOD and Professor, ECE and ECE faculty members present. Dr. ROHITH S, Associate Professor, ECE Department, Coordinated the Event.



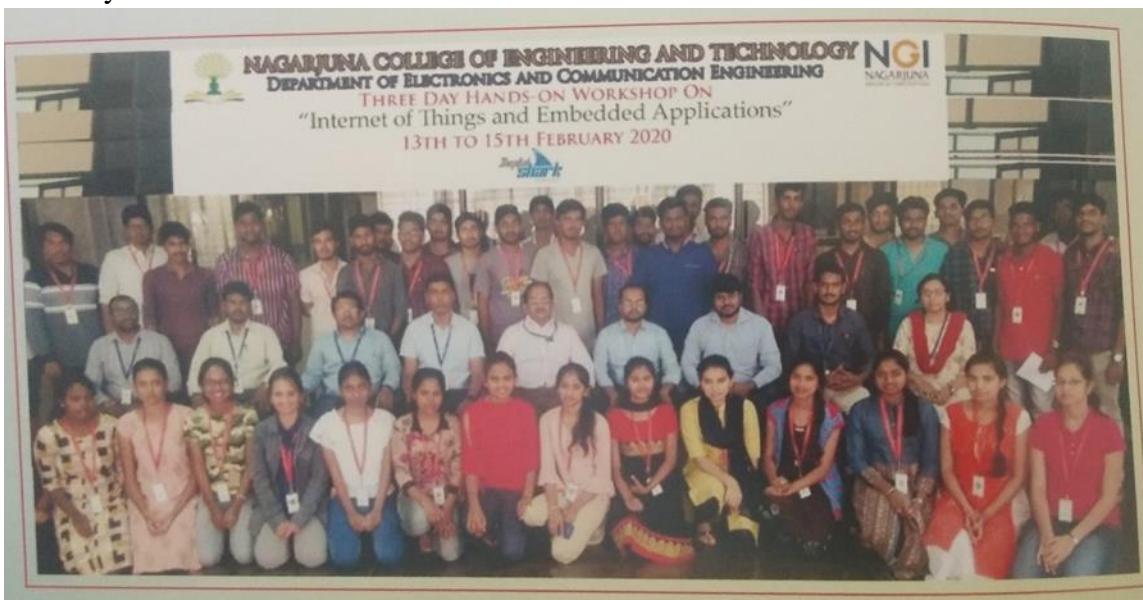
b) Invited Talk on HAM (Amateur Radio)

Invited Talk on HAM (Amateur Radio) for the students and staff of ECE department was organized by Electronics and Communication Engineering department on 4th September 2019. The programme was inaugurated by Dr. Srikanta Murthy K, Principal, NCET, with other dignitaries and Chief Guest Dr.S.Sathyapal, Director, Indian Institute of HAM's.



c) Three days hands on workshop on Internet of Things and Embedded Applications

Department of Electronics and Communication Engineering has organized three days hands on workshop on Internet of Things and Embedded Applications from 13th to 15th February 2020.



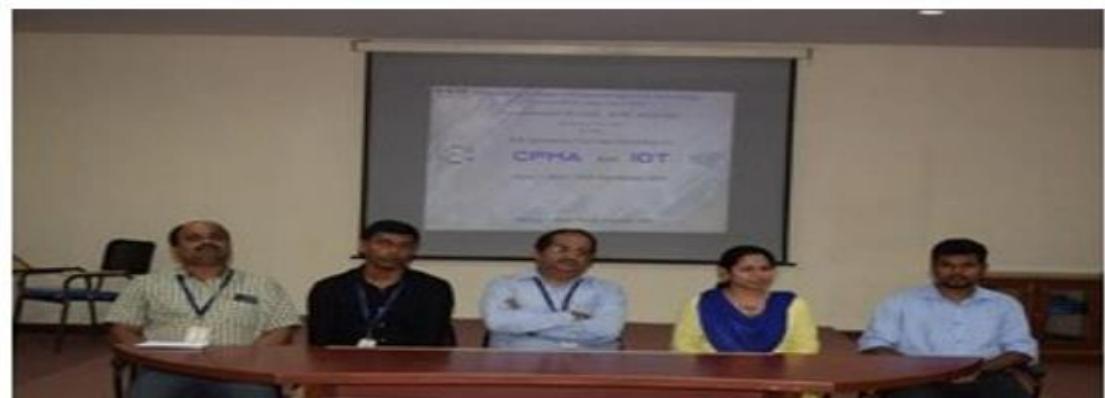
d) Three day hands on workshop on “Robotic Application using TI Microcontroller”

Department of Electronics and Communication Engineering has organized Three Day hands on workshop on Robotic application using TI Microcontroller under Robotic club from 16th to 18th September 2019. Dr. S G Gopala Krishna, Director NES, Dr. Srikanthamurthy K Principal, NCET, Dr. K N Nagesh HOD ECE and Mr. Gaurav Business Head Edgate Technology (Associate Partners of Texas Instrument University Program) inaugurated the workshop on 16/09/2019. 50 students Registered and participated in the workshop.



e) FOUR Days Hands on Workshop on IOT

ECE Department in association with CSE Department has organized FOUR Days Hands on Workshop on IOT from 16th to 19th September 2019. Dr. Srikanthamurthy K Principal, Dr. Gururaj HOD CSE, Dr. K N Nagesh HOD ECE and Trainer from ATS INFOTECH inaugurated the workshop. 35 ECE students Registered and participated the workshop.



f) Faculty Development Programme on "Labview for Engineering Applications"

One week Faculty Development Programme on "Labview for Engineering Applications" from 06.01.2020 to 10.01.2020 Inauguration of the function was held at Main block Seminar Hall Chief Guest Dr. Charles S, Max Eye Technologies, Dr. S G Gopala Krishna , Director- NES, Dr. Srikanta Murthy K, Principal- NCET, Dr. Kumar K, Dean - NCET, Dr. Harisha P, Vice Principal - NCET, Dr. Nagesh K N HOD- EC were present on the occasion. About 30 external participants from various Engineering colleges and 15 internal participants from different Departments of NCET Registered for the FDP.





g) One day workshop - “Software Engineering practices in industries”

Department of Information science and Engineering organized One day workshop on “SOFTWARE ENGINEERING PRACTICES IN INDUSTRY” ON 07/09/2019.





h) one Day Workshop on Android Programming

Department of Information Science and Engineering organized a one Day Workshop on Android Programming on 23/03/2019 in Civil Block Seminar Hall. The main speaker of the event Mr. Bharadwaj C and Mr. Sunil Kumar Naik R , Senior Software Developers from “M/s. TONE TAG”, Bengaluru has given the complete overview..



State Level Science Fest SCINOVA-2019

State Level Science Fest SCINOVA-2019 for Pre University College Students on 22.11.2019.

Chief Guest : Mrs. Roopa H V, Scientist in ISRO.



Graduation Day

Celebrated Graduation Day on 21.09.2019 Chief guest: Sri Vivek Kulkarni, Former Secretary, IT & BT, Government of Karnataka.



Fresher's Day



1. Dhandiya – Hostel Students



Prize Distribution - Hostel Students.



2. Dr. S G Gopala Krishna, Director & Dr. Srikanta Murthy K, Principal attended TECHBHARAT – 2020 held at Hotel Taj Vivanta, Bengaluru on 17th January 2020.



3. Mr. Bharat S, Asst. Prof., CV participated in Two day SPARC workshop held at, IIT Madras Research Park, Chennai on 17th & 18th January 2020.



4. Inauguration of First year B.E. Programme on 05.08.2019 Chief Guest: Mr. D Keshava Kumar, Chief Executive, L & T Construction Equipments Limited

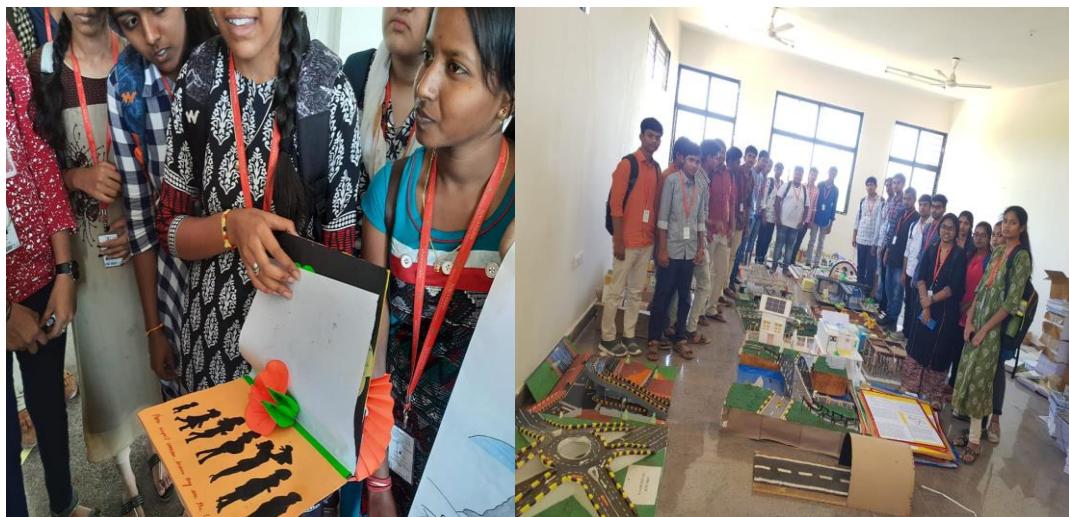


5. First Year B.E Student Induction Programme





6. First Year B.E Student Induction Programme – Phase II



7. Entrepreneurship Development Cell organised Three days Entrepreneurship Awareness Camp during 27th to 29th February 2020



8. Department of CSE in association with FUEL NGO has organized "One Week Future Skill Training on Artificial Intelligence and Machine Learning" from 25th to 29th February 2020.



9. Awareness Programme on the Teachings of Swamy Vivekananda on 29.01.2020.



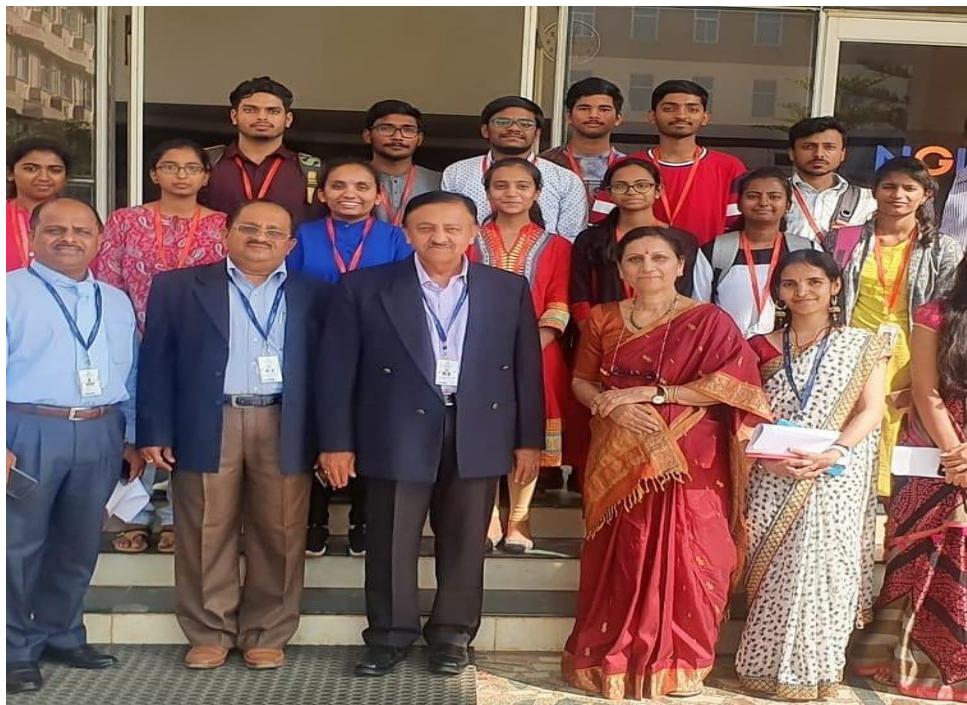
10. Republic Day Celebration on 26.01.2020.



11. IRDP and Report Writing classes was arranged by Dept. of ECE Dr. Girish gave presentation on IRDP program on 29.01.2020



12. IEEE Membership Drive on 29.01.2020



13. Visit to IMTEX 2020 and Tool tech 2020 at BIEC, Bengaluru by the students of ME on 28.01.2020



14. Seminar on Student Projects and Innovations was organized by the Department of ME on 25.01.2020



15. **“One Student One Tree campaign” : MHRD - AICTE initiated activity.**
Planted 100+ trees.



16. TALP Training Programme for Govt. PU Lecturers – NCET Campus



17. National Girl Child Day Celebration



18. Dept. of ME organised Technical Talk by Mr. Chandana Dalugoda, ASHRAE Distinguished Lecturer on “Sustainable HVAC Designs for Green Buildings” on 08.01.2020.



Dept. of CV organised One Day FDP on NBA-OBE(Tier-1) Implementation Aspects on 11.12.2019. Resource Person : Dr. M N Guptha, Vice Principal, SVCE, Bengaluru.



19. Dept. of ISE organised one day FDP on Modernized Approaches in Research and Publications on 26.11.2019. Resource Person : Prof. Dr. R Ganeshan, Chairman, NFED.



20. Dept. of ME organised one day workshop on DUCT Design in HVAC on 19.10.2019. Resource Person : Mr. S V Venkatachalam, Scientist, ISRO, Bengaluru.



IEEE

Presentation by Dr. S G Gopala Krishna, Director, NCET during AGM of IEEE at MSRIT on 05.01.2020.



IRDP

1. IRDP activity by ISE students at " Government higher primary school" on 29.02.2020



2. IRDP program by the students of ISE at Atal Bihari Vajpayee Residential School on 19.02.2020



3. IRDP by the Department of CSE on 18.02.2020.



4. IRDP program at Bedeganahalli was organised by the Dept. of ECE on 15.02.2020 to "help local schools to achieve good result "



5. IRDP program at Bedeganahalli village organized by the Dept. of ECE on 15.02.2020 to "create awareness to food preservation and packaging, Digital transaction and garbage disposal system"



6. IRDP program at Bedeganahalli was organised by the Dept. of ME on 25.01.2020.



7. IRDP program at Chikkamarali village organized by the Dept. of ECE on 01.02.2020 by giving awareness on digitalization, water saving, keeping surroundings clean, garbage disposal etc.



1. Mr. Sanath Kumar K R, Department of CV, received best IIRS outreach network coordinator annual award for the year 2019 for his remarkable contribution in conducting IIRS classes at NCET. He has been Recognized at the National Level by Indian institute of Remote Sensing (ISRO) Dehradun.



2. Dr. Venkatesh Babu D L, HOD, Department of CV has given talk on Role of Chemical Admixtures in Concrete Constructions during Master training Session on Project Management training for District Nirmithi Engineers held at VTU regional centre, Muddenahalli on 03.02.2020.



3. Mr. Ibrahim, our Assistant Physical Director has been appreciated by VTU Vice Chancellor Dr. Karisiddappa for serving as Wrestling Coach for VTU on 31.01.2020



Special Lecture/ Technical Talk

1. Department of ME arranged a talk on Innovations Driven Entrepreneurship by Mr. Kameshwar Eranki, Founder and CEO, VajraSoft Inc, USA, on 26.02.2020.



2. Department of CV arranged an invited talk on “Ready Mixed Concrete” on 25.02.2020. Resource person V. R. Kowshika delivered a talk on RMC, water cement ratio, types of sand and Quality aspects of RMC.



3. Technical Talk on Decoding the Future of Work Force Industry 4.0 by Dr. BHIMARAYA METRI, Director, IIM, Tiruchirapalli on 18.02.2020



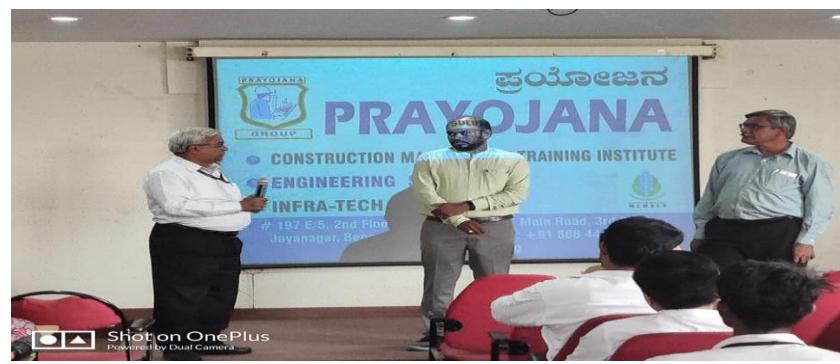
4. Technical Talk on Environment laws and Pollution Control on 17.02.2020 by Er. D R Kumaraswamy organized by the Department of CV.



5. “Building Energy Efficiency and Performance Evaluation” by Mr. Abhilash K Prabhu, Sr. Engineer & CEO Analyst, AILSG



6. Practical Aspects of “Construction Management and Employment Requirement”



7. Ferrocement -An Ideal Material for Retrofitting of RCC Structures” by Prof. Ganeshan, NIT Calicut