



## **NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY**

**Venkatagiri kote (P) , Devanahalli(Tq) , Bangalore - 562164**

**(An ISO9001-2015 QMS Certified Institution)**

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

### **IQAC ANNUAL REPORT**

**2017-2018**



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## **NAGARJUNA EDUCATION SOCIETY:**

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.

For seeing the necessity of professional academic educational facilities that are imbibed 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 to day 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'. It's 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**

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

## ABOUT NCET



Nagarjuna College of Engineering and Technology (NCET) is synonymous with excellence in higher education and was established in 2001, under the aegis of Nagarjuna Education Society Bengaluru, founded by Shri J V Ranga Raju, Director of NCC Limited. NCET is an autonomous institution with NAAC A grade, under Visvesvaraya Technological University (VTU) Belagavi and four branches are accredited by NBA (Civil/CSE/ECE/ISE). NCET is built on a sprawling lush green campus, spread over 150 acres in a rapidly transforming semi-urban landscape, near Bengaluru International Airport and the mesmerizing beauty of the campus never fades as the ever-widening horizon, perfectly captures the spectacular rays of rising sun every day.

NCET is a research-focused and student-centric institution offering a full range of academic programs at the undergraduate, postgraduate, and doctoral levels. It comprises independent academic wings, sophisticated labs, spacious hostel blocks, ultra-modern sports facilities, spacious multi-cuisine canteen, well-stocked library, an auditorium, conference rooms, and smart classrooms. NCET has profoundly aspired to become internationally recognized for high-end research and creative endeavors, through harnessing new insights and expanding the boundaries of human excellence and creativity. NCET has committed to serve the society through value- based education to cater to the needs of India and beyond.

## **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 for AY 2017-18**

Sl. No	Name	Designation	Role
1	Dr. Gopala Krishna S G	Principal, NCET	Chairman
2	Dr. N.G.S Udupa	Professor, Mechanical Engg. NCET	Member
3	Dr. Srikanta Murthy K	Vice Principal & HOD CSE, NCET	Member
4	Dr. Harisha P	Prof. & Dean , NCET	Member
5	Dr. Nagesh K N	HOD – Elec. & Communication Engg.	Member
6	Dr. Kapilan N	HOD – Mechanical Engg.	Member
7	Dr. Rajendra S	HOD – Civil Engg.	Member
8	Dr. Mamatha G	HOD – Information Science Engg.	Member
9	Dr. Srivats R	HOD -MBA	Member
10	Mr. Bhargava R	Asst. Prof. – Computer Science & Engg.	Member
11	Dr. A R Manjunath	Director – Sri Sathya Sai Centre for Human Excellence, Sathya Sai Grama, Muddenahalli	Member
12	Mr. Mahesh C S	CEO – Spaneos Software Solutions Pvt Ltd	Member
13	Mr. Karthik E C	1NC14CS043 – VII Sem, Dept. of CSE	Member
14	Dr. Gururaj M	Professor – CSE	Member Secretary, Coordinator/ Director- 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.

### **2. 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.

### **3. RESEARCH, CONSULTANCY AND EXTENSION:**

- 54 research Scholars are pursuing Ph.D. under the guidance of our faculty. 12 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

### **4. 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.

## **5. 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.

## **Staff welfare schemes**

- Group Insurance Scheme for staff
- Service benefits like PF, Study leave, Maternity leave etc.
- Vacation at the end of every semester.
- Staff Quarters for faculty members.
- Encouragement for research and development activities.
- Financial support to participate in national and international conferences.

## **Research and Development details in AY 2017-18**

### **List of Research Projects under National / State / Private Funding Agencies (Including State Govt.)**

<b>Sl. No</b>	<b>Name of the Teacher / Principal Investigator</b>	<b>Project Title</b>	<b>Year of Sanction</b>	<b>Funding Agency</b>	<b>Total Amount Sanctioned</b>
1	Mr. Sanath Kumar K R	Aquifer mapping, monitoring and analysis	2017-18	Karnataka State Council for Science and Technology (KSCST)	Rs. 4000/-
2	Dr. K Kumar	Pilot plant study for sustainable energy generation in septic tank using Biofuel cell	2017-18	KSCST	Rs.10000/-
3	Dr. Shantakumar B Patil	Earthquake detection alert alarm and IOT based protection bed for people security	2018	KSCST	3500/-
4	Prof. B Roopashri Tantri	Prevention of accidents by potholes and humps using ultrasonic sensor	2018	KSCST	3000/-
5	Dr. Y S Kumar Swamy	Software framework for hosting application programming interface modules for artificial intelligence, parallel computing and device drivers scientific equipment in Ex-planetary vehicle to the end/ remote user	2017	ISRO	16.98/- lakhs
6	Mrs. Mamatha C M	Intelligent WSN Interceptor for Vehicles	2017	KSCST,	Rs.2500
7	Dr. Kapilan N	Thermo Acoustic refrigeration system	2017	ASHARE	\$3950
8	Dr. Kapilan N	Development and evaluation of solar hybrid adsorption cooling system for rural applications as a demonstration unit	2017	ASHARE	\$3100

## Research Guide Details for AY 2017-18

Sl. No.	Name		Total no. of Candidates	
		Department / Research Centre	Registered	Awarded
1	Dr.Rajendra.S	CIVIL/NCET	8	-
2	Dr.K Kumar	CIVIL/NCET	4	1
3	Dr. T M Mohan Kumar	CIVIL/NCET	2	-
4	Dr. Chinmayi H.K.	CIVIL/NCET	1	-
5	Dr. Srikanata Murthy K	Computer Science & Engineering	-	-
6	Dr. Shantakumar B Patil	Computer Science & Engineering	-	-
7	Dr. Y S Kumar Swamy	Computer Science & Engineering	-	-
8	Dr. Premjyoti Patil	Computer Science & Engineering	04	-
9	Dr. Mamatha G	Information Science &Engineering	0	0
10	Dr. S G Gopala Krishna	Mechanical Engg. NCET	06	01
11	Dr. N.G.S Udupa	Mechanical Engg. NCET	01	--
12	Dr. N.Kapilan	Mechanical Engg. NCET	06	01
13	Dr. D.G.Kanthalraj	Mechanical Engg. NCET	02	--
14	Dr. Mahendra M Dhongadi	Mechanical Engg. NCET	--	--
15	Dr. Harisha P	Physics	<b>01</b>	-
16	Dr. Manjunatha K	Chemistry, NCET	5	
17	Dr. Harish K N	Chemistry, NCET	1	
18	Dr. Nagesh K N	JNTU ANANTHAPUR	<b>03</b>	<b>Nil</b>
19	Dr.Sandhya N.	Department of Management Studies & Research	7	2
20	Dr.Srivats R.	Department of Management Studies & Research	2	Nil

## List of Faculty Award by Ph.D. in AY 2017-18

Sl. No.	Faculty	Department
1	Dr. Jagadeesh C B	Civil Engg
2	Dr. Megha N Kulkarni	Civil Engg
3	Dr. Akshaya B J	Civil Engg
4	Dr. A K Murthy	Civil Engg
5	Dr. Sadashiva Prabhu	Civil Engg
6	Dr. Sendamarai.P	ECE
7	Dr. T Y Satheesha	ECE

## 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. Rajendra S	Civil Engg.	Work Breakdown Structure and Cost Analysis of a Residential	International Journal of Advanced Research in Engineering & Management (IJAREM) ISSN:2456-2033 // PP,75-82	International
2	Dr. Chinmayi H.K.	Civil Engg.	Wind load response of tall buildings of various shapes	International Journal of Earth Sciences & Engineering -IJEE Vol 10/issue 4/ 2017/pp806-809,09745904	International
3	Dr. Srikanata Murthy K	Computer Science & Engineering	Deep belief network based approach to recognize handwritten Kannada characters using distributed average of gradients	International Journal on Cluster Computing	International
4	Dr. Shantakumar B Patil	Computer Science & Engineering	Frame work for energy efficient secured routing in heterogeneous sensor network	Scopus Index	International
5	Dr. Premjyoti Patil	Computer Science & Engineering	Frame work for energy efficient secured routing in	Scopus Index	International

			heterogeneous sensor network		
6	Prof. B Roopashri Tantri	Computer Science & Engineering	Software reliability estimation of Littlewoods pareto failure time model	Scopus Index	International
7	Dr. Mamatha G	Information Science & Engineering	Multiple Zone Wireless Sensor Network Data Access using Parallel Processing Algorithm	Scopus Index	International
8	Dr. Mamatha G	Information Science & Engineering	Enabling Multi keyword Search on Secure Encrypted Data using Multi Cloud Approach	Scopus Index	International
9	Mrs. Mamatha C M	Information Science & Engineering	A Cloud Security with Performance Increase and Energy Efficient using AI with DCS and PDC	Scopus Index	International
10	Mrs.Sushmita N S	Information Science & Engineering	Extraction of Melenama 3D features from Tensor Repräsentation	Scopus Index	International
11	Dr. S G Gopala Krishna	Mechanical Engg	Study on Critical length of Fiber on Natural Areca Sheath Reinforced Polymer matrix Composites by Tensile and Flexural Testing	ISSN: 2348-8360, Special Issue PP. 51-56, 2017	International
12	Dr. S G Gopala Krishna	Mechanical Engg	Influence of Personal Factors on the Knowledge Sharing Attitude of Individuals in Engineering Education Context	Issue 2, Vol 06, 2083-2087, Feb 2017	International
13	Dr. N G S Udupa	Mechanical Engg	Investigating the effects of delamination location and size on the vibration behaviour of laminated composite beams	2017	International
14	Dr. N Kapilan	Mechanical Engg	An experimental and numerical study on	Vol. 111, 25 January 2017, pp 1211-1231	International

			effects of exhaust gas temperature and flow rate on deposit formation in Urea-Selective Catalytic Reduction (SCR) system of modern automobiles		
15	Dr. N Kapilan	Mechanical Engg	Development and Evaluation of Solar PV Powered Evaporative Cooling System	Vol 2. Issue 1, January 2017, pp 108-116	International
16	Dr. N Kapilan	Mechanical Engg	Studies on Effect of Antioxidant on the Performance of Biodiesel Operated Diesel Engine,	Volume 5, Number 1, May 2017, pp. 3-12(10)	International
17	Dr. N Kapilan	Mechanical Engg	Influence of Pyrogallol Antioxidant on Performance and Emissions of a CI Fuelled with Neem Oil Biodiesel	Page No. 981-987, 2017	International
18	Mr. Yogeesh H C	Mechanical Engg	Influence of Personal Factors on the Knowledge Sharing Attitude of Individuals in Engineering Education Context	Issue 2, Vol 06, 2083-2087, Feb 2017	International
19	Mr. Venkategowda C	Mechanical Engg	Investigating the effects of delamination location and size on the vibration behavior of laminated composite beams	2017	International
20	Mr. Chethan M R	Mechanical Engg	Study on Critical length of Fiber on Natural Areca Sheath Reinforced Polymer matrix Composites by Tensile and Flexural Testing	ISSN: 2348-8360, Special Issue PP. 51-56, 2017	International
21	Mr. Bandoli Siddeshwar	Mechanical Engg	Model Analysis Heavy Vehicle Sub Frame Using ANSYS	RPET, 2017	International
22	Mr. Chethan Kumar N	Mechanical Engg	Design and Development of	IJIR, 2017	International

			Running Wheel Air Pressure Monitoring System for Vehicles		
23	Dr. Manjunatha K	Chemistry	Synthesis, structure characterization, in vitro and in silico biological evaluation of a new series of thiazole nucleus integrated with pyrazoline scaffolds	Journal of Molecular Structure Volume 1145, 10/2017, p. 18-31,	International
24	Mr. Basavaraj G M	Asso.Prof	Crowd Anomaly Detection Using Motion Based Spatio-Temporal Feature Analysis	01	International
25	Dr. Sendamai P	Prof	An Image enhancement approach to achieve high speed using adaptive modified bilateral filter for satellite images using FPGA		International
26	Dr T. Y. Satheesha	Asoc.Prof	Melanoma is Skin Deep: A 3D Reconstruction Technique for Computerized Dermoscopic Skin Lesion Classification		International
27	Dr T. Y. Satheesha	Asoc.Prof	Extraction of melanoma 3d features from tensor representation		International

## Workshop and Seminar Organized in the college for the AY 2027-18

### Workshops Organized

Sl. No.	Name of the Conference etc. organized	Date & Month	Source of Financial Support	No. of Participants
1	Design of irrigation structures	21th April 2017	NCET	30
2	Context capture by Bently systems	5 <sup>th</sup> April 2017	NCET	30
3	Geo spatial technology and its application	29/09/2017	NCET	300
4	Expert on reinforcement learning algorithms and overview and some application	14/10/2017	NCET and SSITES joint Bengaluru	35
5	FDP on mini project based learning	16/10/2017	NCET and SSITES joint Bengaluru, chapter	46
6	FDP on flip teaching	17/10/2017	NCET and SSITES joint Bengaluru, chapter	46
7	Invited talk on carrier digest	04/11/2017	NCET	24
8	Workshop on object oriented programming	16/02/2018 to 17/02/2018	NCET	27
9	Workshop on project based learning	23/02/2018 to 24/02/2018/	NCET	27
10	Invited talk on smart education	17/03/2018	NCET and SSITES joint Bengaluru, chapter	37
11	Android Programming	22 Feb to 24 Feb 2018	NCET	64
12	One day Workshop	16.02.2018	NCET	45
13	One day Workshop	14.02.2018	NCET	55
14	Three days Workshop	05.01.2018 to 07.01.2018	NCET	40
15	Two days workshop	04.05. 2017 to 05.05.2017	NCET	85
16	Holistic Wellness Program	23-09-2017	NCET	60

## **Invited Special Lectures Delivered by Eminent Resource persons from industry and Academia**

<b>Sl. No.</b>	<b>Name of the Invited Scholar with full Address</b>	<b>Title of the Lecture delivered</b>	<b>Date of the Lecture</b>
1.	Mr. Anil Ghaste, Director, ISCOT	Introduction to BIM	17/01/18
2.	Dr. Radhakrishna, Secretary, ICI	Introduction to advanced concrete	08/11/17
3.	Mr. Ajit Sabnis, President, ACCE.	Awareness on student mentoring program	04/11/17
4.	Mr. K S Srinivas, Retired P W D Director, Narmada Project	Design of Irrigation Structure	24/04/17
5.	Ashish Ranjan Dubey, Academic relations manager, Bentley Systems India Pvt Ltd. Pune	Context Capture by Bentley systems	05/04/17
6.	Narasimha kulakarni Assoc,vice President Advantrix pvt ltd,Bengaluru	NO-SQL	21 Sep 2017
7.	Hitendranath k Sr.VP business transformation UK	Invited talk on future career experiments	31/08/2018
8.	Dr. shalabh bhatnagar Prof,dept of ECE IISc , Bengaluru	Expert on reinforcement learning algorithms and overview and some application	14/10/2018
9.	Mr. Balagi	Career digest	04/11/2017
10.	Mr. Dherendra Madhusudan	Workshop on object oriented programming	16/02/2018 to 17/02/2018
11.	Dr. Deepak walker	Smart education	17/03/2018
12.	Mr. Dheerendra V. Purohi, CTO, PthinkS solutions, Bengaluru	Project Based Learning	16/02/2018 to 24/02/2018
13.	Mr. Lakshmikanth .S.M Team lead,Target, Bengaluru	Android programming	22/02/2018 to 24/02/2018
14.	Mr. Lakshman, Team Lead, Spaneos, Bengaluru	Python Programming, Database Essential, Core java, Creative User Interface	01/08/2017 to 31/03/2018

		and Responsive Web pages	
15.	Dr. Shalabh Bhatnagar, Professor, IISc, Bengaluru	Reinforcement Learning Algorithms: An Overview and Some Applications	14/10/2017
16.	Mr. Balaji, Software Engineer	Career Digest	04/11/2017
17.	Prof. B A Patil, Director, R&D, Think & Education Research Foundation, Bengaluru.	Innovation, Creativity and Technical Excellence	29.11.2017
18.	Mrs-Sai Tulasi, Annapurna trust, Chickballapur	Importance of Health care and screening methods	13.11.2017
19.	Mr. Manjunath MD Core CADD, Bengaluru	Design concepts for Engineers	25.10.2017
20.	Mr.T Nagaraja ,MD,Blue Volt services, Bengaluru	Electrical Safety	10-10-2017
21.	Mr. Venkatesh B K AP,DME, NCET,Bengaluru	Finite Elemental Analysis	23.09.2017
22.	Dr.Girish S, Satya sai trust, Chickballapur	Importance of Ethics in Engineering	06.09.2017
23.	Mr.Siddesh Bandoli Iresh, AP,DME,NCET,Bengaluru	Robotics	31.08. 2017
24.	Mr.G.N.Dayananda, Manager (Operations) Karnataka State Bioenergy Development Board.	Importance of Bio-fuel	10.08.2017
25.	Mr. Ashok Kumar, Centre Head CADD Center, Yelahanka, Bengaluru	6 Sigma	19.04.2017
26.	Mr.S.Sathyapal, Director, Indian Institute of HAM, Bangalore.	An awareness program on HAM (Amateur Radio) & Basic concepts of HAM.	09/03/ 2017 and 04/04/2017

## Conference, Symposia, Seminars, Workshops Attended by Faculty

Sl. No	Name of the Teacher	Name of the Conference etc.	Place	Date
1	Dr. Shantakumar B Patil	3rd IC on applied and theoretical computing and communication technology	SSIT, Tumukur	21 Dec 2017
1.	Dr. Shantakumar B Patil	National level mini project exhibition	SVCE, Bengalur	10 Nov 2017
2.	Dr. Premjyoti Patil	3rd IC on applied and theoretical computing and communication technology	SSIT, Tumukur	21 Des 2017
3.	Mr. Ashok S Patil	Android Programming	NCET,Bengaluru	22 to 24 Feb 2018
4.	<b>Mr. Ashok S Patil</b>	FDP on “project based learning”	NCET, Bengaluru	16/10/2017
5.	<b>Mr. Ashok S Patil</b>	‘FDP on “Flip teaching”	NCET, Bengaluru	17/10/2017
6.	Mrs. Shanmuga Priya	Android Programming	NCET Bengaluru	22 to 24 Feb 2018
7.	<b>Mrs. Shanmuga Priya</b>	Android Developers Fundamentals	PESIT, Bengaluru	10/07/2017 to 14/07/2017
8.	<b>Mrs. Shanmuga Priya</b>	National Teachers Conference	Muddenahalli, Chickballapur	26/05/2017 to 28/05/2017
9.	Mr.Kishore P.J	Android Programming	NCET Bengaluru	22 to 24 Feb 2018
10.	Mr.Kishore P.J	FDP on “project based learning”	NCET Bengaluru	16/10/2017
11.	Mr.Kishore P.J	FDP on “Flip teaching”	NCET Bengaluru	17/10/2017
12.	Mrs.Sushmita N. S	Android Programming	NCET Bengaluru	22 to 24 Feb 2018
13.	Mrs. Mamatha C.M	Android Programming	NCET Bengaluru	22 to 24 Feb 2018
14.	Mrs. Mamatha C.M	FDP on “project based learning”	NCET Bengaluru	16/10/2017
15.	Mrs. Mamatha C.M	FDP on “Flip teaching”	NCET Bengaluru	17/10/2017
16.	Mr. Mohan D.N	Android Programming	NCET Bengaluru	22 to 24 Feb 2018
17.	Mr. Mohan D.N	FDP on “project based learning”	NCET Bengaluru	16/10/2017

18.	Mr. Mohan D.N	FDP on “Flip teaching”	NCET Bengaluru	17/10/2017
19.	Mrs. Ashwini S.S	Android Programming	NCET Bengaluru	22 to 24 Feb 2018
20.	Mrs. Ashwini S.S	“Programming in GNU/Linux”	NCET Bengaluru	04/07/2016 to 08/07/2016
21.	Mrs. Geetha M	Android Programming	NCET Bengaluru	22 to 24 Feb 2018
22.	Mrs. Geetha M	FDP on “ Slills for success- Communications and Relationships skills”	NCET Bengaluru	24/11/2016
23.	Mrs. Geetha M	“Programming in GNU/Linux”	NCET Bengaluru	04/07/2016 to 08/07/2016
24.	Ms .Sushma A	Android Programming	NCET Bengaluru	22 to 24 Feb 2018
25.	Ms .Sushma A	FDP on “project based learning”	NCET Bengaluru	16/10/2017
26.	Ms .Sushma A	FDP on “Flip teaching”	NCET Bengaluru	17/10/2017
27.	Dr. N G S Udupa	Effect of delamination size on the natural frequency of twintex and natural fiber/poly-propylene hybrid composite cantilever beam	IIT, Hyderabad	27th -29th 2017
28.	Dr .Kapilan N	Effect of Tyre Pyrolysis Oil on the Performance and Emissions of a Biodiesel Fuelled Compression Ignition Engine	NITK, Surthkal	15th -17th Dec. 2017
29.	Mr. Amaresh Gunge	Influence of acetic acid surface treatment on mechanical and thermomechanical structural stability of banana reinforced with PVA (Polyvinyl Alcohol) Composites	IIT, Roorkee	6th -8th , Dec.2017
30.	Mr. Ravi Y V	Tensile And Impact Strength Evaluation of Developed Hybrid Hemp And Banana Fibre Composite Material	Sai Ram Institute of Technology	18th May 2017
31.	Mr. Ravi Y V	3 Point Bending Strength Evaluation of Hybrid Hemp and Banana Fibre	Sri Venkateshwara College of Engineering	7th May 2017

		Composite Material		
32.	Mr. Ravi Y V	Preparation and Study Of Mechanical Properties On Hemp And E-Glass Fibre Composite Material	Sri Venkateshwara College of Engineering	7th May 2017
33.	Mr. Ravi Y V	Determination and Evaluation of Mechanical Properties of Hemp and Banana Fibre Composite Material	SJCIT,Chikkaballapura	4th May 2017
34.	Mr. Jullya Naik L	Effect of Tyre Pyrolysis Oil on the Performance and Emissions of a Biodiesel Fuelled Compression Ignition Engine	NITK,Surthkal	15th -17th Dec. 2017
35.	Mr. Venkategowda C	Effect of delamination size on the natural frequency of twintex and natural fiber/poly-propylene hybrid composite cantilever beam	IIT,Hyderabad	27th -29th 2017
36.	Mr. Prashanth Kumar	Fabrication and performance analyses of solar still coupled with ETC	SVCE,Bnagalore	2017
37.	Mr. Prabhakar C G	Experimental Investigation For Heat Transfer of a Double Pipe Heat Exchanger	SVCE,Bnagalore	2017
38.	Mr. Ananda Babu K	Experimental Investigation For Heat Transfer of a Double Pipe Heat Exchanger	SVCE,Bnagalore	2017
39.	Dr. Harisha P	Higher Education Technology Conference	Bangalore	22-03-2018
40.	Mrs. Sharada T	Smart Education	NCET, Bangalore	17-03-2018
41.	Mrs. Archana B S	Smart Education	NCET, Bangalore	17-03-2018
42.	Dr. Pushpa N	Smart Education	NCET, Bangalore	17-03-2018
43.	Mr. Shivakumar B N	Smart Education	NCET, Bangalore	17-03-2018
44.	Mrs. Sharada T	Sustainable, Clean and Green Energy: Technology, Innovations , Challenges and	ECE Dept, IISc. Bangalore.	16-03-2018

		Opportunities		
45.	Mrs. Archana B S	Sustainable, Clean and Green Energy: Technology, Innovations , Challenges and Opportunities	ECE Dept, IISc.	16-03-2018
46.	Mrs. Pavithra	Sustainable, Clean and Green Energy: Technology, Innovations , Challenges and Opportunities	ECE Dept, IISc, Bangalore.	16-03-2018
47.	Dr. Harisha P	FELDP workshop,UKIERI-Phase III	SP College of Engineering, Mumbai	11-14 Jan 2018
48.	Mrs. Archana B S	World Youth Meet-2017	Satya Sai Grama, Muddenahalli	18-23 Nov 2017
49.	Mrs. Pavithra	World Youth Meet-2017	Satya Sai Grama, Muddenahalli	18-23 Nov 2017
50.	Mr. Shivakumar B N	World Youth Meet-2017	Satya Sai Grama, Muddenahalli	18-23 Nov 2017
51.	Dr. Harisha P	FELDP workshop,UKIERI-Phase III	Swami Keshavanand Institute of Technology, Management and Gramothan, Jaipur, - Rajasthan	03-08 OCT 2017
52.	Mrs. Sharada T	Holistic Wellness Program	NCET, Bangalore	23-09-2017
53.	Mrs. Archana B S	Holistic Wellness Program	NCET, Bangalore	23-09-2017
54.	Dr. Pushpa N	Holistic Wellness Program	NCET, Bangalore	23-09-2017
55.	Mrs. Pavithra	Holistic Wellness Program	NCET, Bangalore	23-09-2017
56.	Mr. Shivakumar B N	Holistic Wellness Program	NCET, Bangalore	23-09-2017
57.	Dr. Harisha P	FELDP workshop, UKIERI-Phase III	C V Raman College of Engineering, Bhuvaneshwar, Orissa	31-07- 2017 to 03-08-2017

58.	Dr. Harisha P	FELDP workshop, UKIERI-Phase III	NTTTIR, Chennai	27-06- 2017 to 01-07-2017
59.	Mrs. Sharada T	Techniques for characterization of materials	BMSIT, Bangalore	20-24 June 2017
60.	Mrs. Sharada T	National Teachers' Conference	Satya Sai Grama, Muddenahalli	26-28 May 2017
61.	Mrs. Archana B S	National Teachers' Conference	Satya Sai Grama, Muddenahalli	26-28 May 2017
62.	Mrs. Pavithra	National Teachers' Conference	Satya Sai Grama, Muddenahalli	26-28 May 2017
63.	Mr. Shivakumar B N	National Teachers' Conference	Satya Sai Grama, Muddenahalli	26-28 May 2017
64.	Mrs. Mamatha M	National Teachers Conference	Muddenahalli	26-28th May 2017
65.	Mrs. Shruthi K S	National Teachers Conference	Muddenahalli	26-28th May 2017
66.	Mrs. Shwetha M	National Teachers Conference	Muddenahalli	26-28th May 2017
67.	Ms. Shwetha K	National Teachers Conference	Muddenahalli	26-28th May 2017
68.	Mrs. Sukanya K	National Teachers Conference	Muddenahalli	26-28th May 2017
69.	Mrs. Mamatha M	FDP on project based learning	NCET	16.10.2017
70.	Mrs. Shruthi K S	FDP on project based learning	NCET	16.10.2017
71.	Mrs. Shwetha M	FDP on project based learning	NCET	16.10.2017
72.	Ms. Shwetha K	FDP on project based learning	NCET	16.10.2017
73.	Mrs. Sukanya K	FDP on project based learning	NCET	16.10.2017
74.	Mrs. Mamatha M	FDP on Flip Teaching	NCET	17.10.2017
75.	Mrs. Shruthi K S	FDP on Flip Teaching	NCET	17.10.2017
76.	Mrs. Shwetha M	FDP on Flip Teaching	NCET	17.10.2017
77.	Ms. Shwetha K	FDP on Flip Teaching	NCET	17.10.2017
78.	Mrs. Sukanya K	FDP on Flip Teaching	NCET	17.10.2017
79.	Mrs. Shruthi K S	World Youth Meet	Muddenahalli	18th to 23rd

				November 2017
80.	Ms. Shwetha K	World Youth Meet	Muddenahalli	18th to 23rd November 2017
81.	Mrs. Sukanya K	World Youth Meet	Muddenahalli	18th to 23rd November 2017
82.	Mrs.Nandini Sharma. A	Project based learning and Flip Teaching	NCET	16.10.2017 To 17.10.2017
83.	MrsAshwini.S	Project based learning and Flip Teaching	NCET	16.10.2017 To 17.10.2017
84.	Mrs.Geetha Lakshmi S N	Project based learning and Flip Teaching	NCET	16.10.2017 To 17.10.2017
85.	Mr.upadhyAAnanth	Project based learning and Flip Teaching	NCET	16.10.2017 To 17.10.2017
86.	Mr. Sunil Kumar B S	World Youth Meet 2017	Satyasaigrama Muddenahalli	18.11.2017 To 23.11.2017
87.	Mr.Mahesh M R	World Youth Meet 2017	Satyasaigrama Muddenahalli	18.11.2017 To 23.11.2017
88.	Ms.SouparnikaJadhav	World Youth Meet 2017	Satyasaigrama Muddenahalli	18.11.2017 To 23.11.2017
89.	Ms.HemalathaB	World Youth Meet 2017	Satyasaigrama Muddenahalli	18.11.2017 To 23.11.2017
90.	Mr.Vinay Kumar N	World Youth Meet 2017	Satyasaigrama Muddenahalli	18.11.2017 To 23.11.2017
91.	Mr.Vinay Kumar N	Programming arm processor using esakiel arm cortex m3 evaluation board.	B.M.S IT Banagalore	11.12.2017 To 15.12.2017
92.	Mr. Rajath C .E	B.M.S IT Banagalore	Programming arm processor using esakiel arm cortex m3 evaluation board.	11.12.2017 To 15.12.2017

Sl. No	Name of the Teacher	Name of the Conference etc.	Place	Date	Invited/Deputed	No. of papers presented
1.	Dr. Chinmayi H.K.	6th World Conference on Applied Sciences, Engineering & Technology	UMP, Indonesia.	26-27 August 2017.	Deputed	01

## **Appreciations and Recognitions**

- Dr N Kapilan from Mechanical Engineering Department got appreciation from AICTE, SWRO, for being a resource person for the SAGY workshop
- Dr. Venkatesh Kumar Hof Electronics and Communication department HAM Licence ( VU3EAU)
- Dr N Kapilan3rd prize from 10th Annual Conference of Karnataka Science and Technology Academy 2018
- First Rank M.Tech-CCT during A.Y. 2016-17.
- Gold Medal in B.E Civil Engineering for A.Y. 2013-14
- 2nd Rank in M.Tech Structural Engineering for A.Y. 2015-16
- 2nd Rank in MBA for A.Y. 2008-09
- 5th Rank in B.E Mechanical Engineering for A.Y. 2011-12
- Project of the year award for A.Y. 2015-16 by KSCST
- Student satellite Project (STUDSAT-II) – 10 Lakhs in association with ISRO
- Students from other colleges utilizing the lab facilities for their projects (MED for Bio-diesel project)

## **Grants Received**

- Rs. 16.98 lakhs from ISRO for MARS Rover Projects
- Rs. 9.95 lakhs from DRDO under GATET scheme
- Rs. 30 Lakh from VGST, GoK to Dept. of Mechanical Engineering.
- VTU-VGST FDP for Dept. of Mechanical Engineering - Rs. 2,00,000/-
- VTU Mission 10000 for Dept. of Civil Engineering - Rs. 1,50,000/-
- Research Grant from VTU to Dept. of ECE- Rs. 5,00,000/-
- Research Grant from VTU to Dept. of Mechanical Engg.- Rs. 4,50,000/-
- Research Grants from VTU to BT Dept - Rs. 6,50,000/-
- VTU Mission 10000 for Dept. of Mechanical Engg, - Rs. 1,80,000/-
- VGST – TRIP Grant
- Grants for Student Projects from KSCST
- Grants from Institution of Engineers

## Glimpse of Activities of AY -2017-18





Workshop on IOT was conducted by Prof. Jamadagni, IISc and interaction during the workshop

From the  
Promoters of **NCC**  
Nagarjuna Construction Company



**NGI**  
NAGARJUNA  
College of Engineering

## RANK HOLDERS



MEENA KUMARI, K. L  
1NC06MBA22  
**2<sup>nd</sup> Rank**  
MBA  
2007-08

PRAVEEN. S  
1NC07ME041  
**5<sup>th</sup> Rank**  
B.E.  
Mechanical  
Engineering  
2010-11

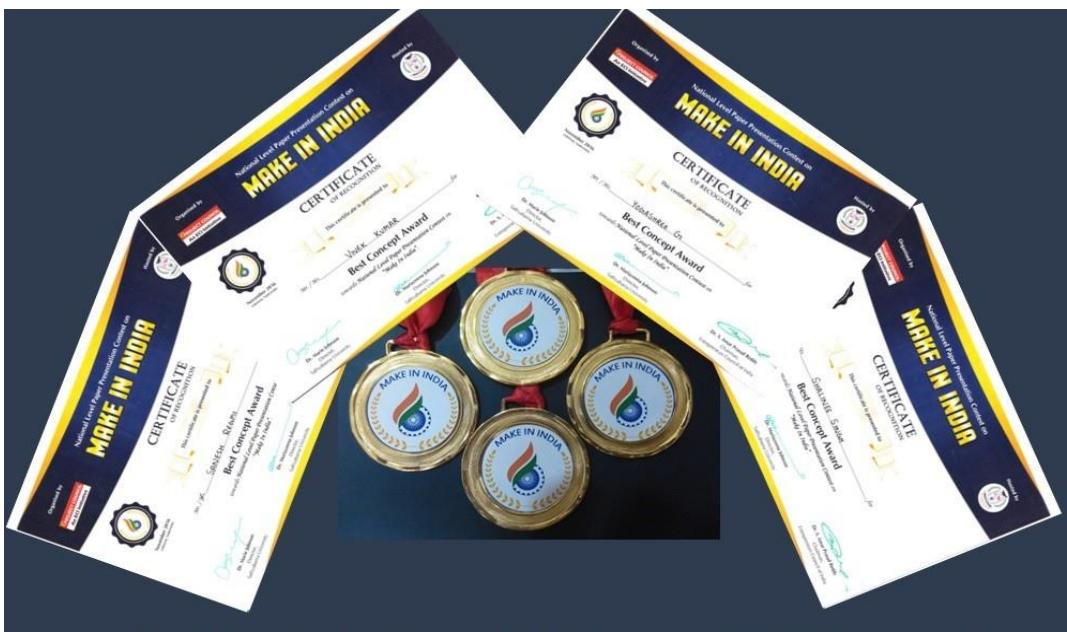
CHAITRA D M  
1NC13CSE02  
**2<sup>nd</sup> Rank**  
M.Tech  
Structural Engineering  
2014-15

MUHAMMED  
FAIZAAN K  
1NC14CCT09  
**1<sup>st</sup> Rank**  
M.Tech  
Construction  
Technology  
2015-16

RAJU K JHA  
1NC09CV029  
VTU  
**Gold Medal**  
B.E. Civil  
Engineering  
Highest marks in the  
subject IE & HS  
2013-14

MEGHA NIDHI DAHAL  
1NC05IS021  
B.E. Information  
Engineering  
Assistant  
Commissioner, Jorhat,  
Assam, Govt. of India  
UPSC Examinations  
All India  
**63<sup>rd</sup> Rank**  
Sikkim Public  
Service Commission  
Examination  
**1<sup>st</sup> Rank**

## Student Achievements



Our students participated and received "Best Concept Award" in Make in India Competition held at Chennai



NCET Women Chess Team won Runners' Trophy in VTU Bangalore Zone Chess Tournament

### VTU North Zone Throw ball tournament



### Annual sports meet

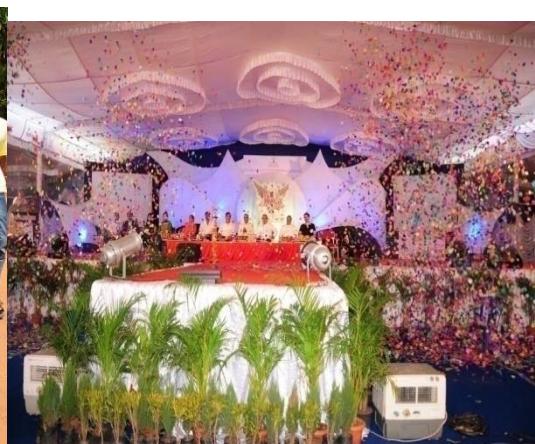


NCET Bangalore



NCET Bangalore

## Cultural Club





## Mega Health Check Up Camp

- Blood Donation Camp
- Cervical and Breast Cancer Check up camp for Ladies
- Multi speciality Eye Check up Camp in the mobile van
- Speech and Hearing Check up Camp in the mobile van
- Diabetic Awareness camp including screening and profiling



## NCET Eco Club



## ME – ISHRAE – Student chapter

- Interaction with Dr. Victor Goldschmidt, Professor, Purdue University, USA
- Dr. William Bahnfleth, Professor, Pennsylvania State University, USA



### **Glimpse of the Activity**

#### **a) Workshop on “Android Programming”**

Department of Information Science and Engineering organized a three Days Workshop on “Android Programming” from 22nd – 24th February 2018. Workshop enabled the students to develop their own apps and gave good insight to the working of Android Operating system.

Hands on session was conducted which helped the students to gain good technical Knowledge about the Android programming.



#### **b) HAM Workshop**

HAM Workshop organized by ECE department on 9th March 2018. The programme was inaugurated by Dr. S. G. Gopalkrishna, Principal and with Chief Guest Mr. S. Sathyapal,

Director, Indian Institute of HAM's. Total 30 students along with two faculties attended the workshop



c) **ROBOTICS Workshop**



Mr. Nishanth, IIT Bombay, has visited the college to organize –ROBOTICS Workshop in the month of July 2018 for students of NCET. The students actively participated in the program with a lot of interest to know the importance of implementing a robot.

**d)Workshop on “Recent Trends & Technologies”**



An one day workshop on “Recent Trends & Technologies in the industry by Paul Joseph Head,  
Talent Acquisition Asia Specific, L& Technologies, Bangalore was arranged to 7th semester  
ECE students 30-8- 2017.