NAGARJUNACOLLEGEOFENGINEERINGANDTECHNOLOGY

Venkatagiri kote (P), Devanahalli (Tq),

Bangalore-562164

(AnISO9001-2015 QMS Certified Institution)

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

IQAC ANNUAL REPORT 2018-2019

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ABOUT NAGARJUNAEDUCATIONSOCIETY:

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 in1995, under the able guidance of its founder Sri. J. V. Ranga Raju, leading industrialist and philanthropist.NESistodaypursuingitsmissionwithsomeofthefinestfacilitiesinEducation-fromprimaryschoolto 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 AsiaPacific.

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

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	Prof. in Mechanical Engineering	Member
4	Dr. Nagesh K N	HOD – Elec. & Communication Engg.	Member
5	Dr. Kapilan N	HOD – Mechanical Engg.	Member
6	Dr. Venkatesh Babu D L	HOD – Civil Engg.	Member
7	Mr. Bhargava R	Asst. Prof. – Computer Science & Engg.	Member
8	Dr. A R Manjunath	Director – Sri Sathya Sai Centre for Human Excellence, Sathya Sai Grama, Muddenahalli	Member
9	Mr. Mahesh C S	CEO – Spaneos Software Solutions Pvt Ltd	Member
10	Mr. Karthik E C	1NC14CS043 – VII Sem, Dept. of CSE	Member
11	Dr. Gururaj M	Professor and HOD- 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. 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.

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:

- 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

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.

Autonomous Examination System

The examination concerned processes are carried out by Instantk Software. 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 2018-19
List of Research Projects under National / State / Private Funding Agencies

Sl. No.	Name of the Teacher / Principal Investigator	Project Title	Year of Sanction	Funding Agency	Total Amount Sanctioned
1	Mr. Bishwajit Pal	Software Framework for Hosting, Application Programming Interface/Modules for Artificial Intelligence, Heterogeneous Parallel Computing and Device Drivers for various Scientific Equipment in Ex-Planetary Vehicle to the End/Remote User	2017-18	ISRO RESPOND	16,92,000
2	Dr. Shantakumar B Patil	Earthquake bed using iot for human protection	2017-18	KSCTE	3500
3	Mr.Kasetty Rambabu, Mr.Rohith.S	Intelligent WSN Interceptor for Vehicles	27/03/2019	Karnataka State Council for Science and Technology (KSCST)	6,000
4	N.Kapilan	Development and Fabrication of Indirect Evaporative Cooling System	2019	ASHARE	$4000
5	Dr. K .Kumar	Study on the corrosion assessment and mitigation methods for concrete infrastructure	2018	AICTE	.24,11,764
6	Mr. Sanath Kumar K r	Unnat Bharat Abhiyan (UBA)	2018	MHRD	Rs. 50000
7	Mrs. Sharada T	Synthesis , characterization and non linear optical properties of some heterocyclic compounds	2018	NCET	1,00,000
8	Mrs. Vidyashree Ganesh	Synthesis, characterization and corrosion inhibition studies	2017	NCET	1,00,000
10	Mr. Aravinda P S	Synthesis and characterization of doped ferrites for catalytic and energy storage applications	2018	NCET	1,00,000

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. Gururaj Murtugudde	CSE	Automatic Car Parking System	IJPAM, Volume 20, Number 6, 2018	International Journal
2.	Dr. Gururaj Murtugudde	CSE	Solar Powered Smart Agricultural Practice Using Multi Purpose Agribot	JARDCS, Issue 10, PP: 1643-1648, 2018	International Journal
3.	Dr. Gururaj Murtugudde	CSE	A Cloud Security with Performance Increase and Energy Efficient using AI with DCS and PDC	IJPAM, Volume 20, (Scopus indexed), June 2018	International Journal
4.	Dr. Shantakumar B Patil	CSE	Hybrid Intrusion Detection using a Zone Based Routing Protocol for MANETS	Journal of Computational and Theoretical Nano-science, Dec 2018	International Journal
5.	Dr. Shantakumar B Patil	CSE	Anomaly Detection in MANET using Zone Based AODV routing Protocol	Springer, Dec 2018	International Journal
6.	Dr. Shantakumar B Patil	CSE	input / output organization	Akinika., Volume No 2, Issue No 6, December 2018, Page No-135 - 156	National
7.	Dr. Shantakumar B Patil	CSE	DSP-IR: Delay Sensitive Protocol for Intelligent Routing with Medium Access Control	Springer	International Journal
8.	Mrs. Mamatha C M	CSE	A Cloud Security with Performance Increase and Energy Efficient using AI with DCS and PDC	IJPAM, Volume 20, (Scopus indexed), June 2018	International Journal
9.	Dr. Nagesh.K.N	ECE	Functional & Assertion based verification Audio echo effect unit	Journal of Engineering Research & Application, ISSN 2448-9622,	International Journal

				Vol. 8, Issue. 7, PP. 04-08, July 2018	
10.	Dr. Venkatesh kumar.H	ECE	Analysis Of High Speed Wallace Tree Multiplier Using Compressors For DSP Applications	Journal of Engineering Research and Application ISSN : 2248-9622, Vol. 8, Issue 7 (Part -III), pp 44-48, July 2018	International Journal
11.	Dr.Premjyoti G Patil	ECE	DSP-IR: Delay Sensitive Protocol for intelligent routing with Medium Access Control	Springer (Advances in Intelligent System and Computing), May2018, 2194-53571978-3-31991192-2.	International Journal
12.	Dr.Premjyoti G Patil	ECE	Anomaly Detection in MANET using Zone Based AODV Routing Protocol	Springer, October 2018,978-981-13-3142-8.	International Journal
13.	Dr.Premjyoti G Patil	ECE	Hybrid Intrusion Detection using a Zone Based AODV Routing Protocol for MANETS",	Journal of Computational and Theoretical Nano-Science, NOV. 2018, Vol.15, PP: 3266-3274.	International Journal
14.	Dr.T Y Satheesha	ECE	Detection of Melanoma Using Pixel Interpolation Technique	LAP Lambert Academic Publishing (Book) ISBN: 9786138338765 Pages: 56 ,Feb 2018	International Journal
15.	Dr.T Y Satheesha	ECE	Extraction of melanoma 3D feature from tensor representation	International Journal of Engineering & Technology Special Issue -IDEAS-2013, ISSN: 2278-621X	International Journal

				2018, pp 273-278.	
16.	Dr.T Y Satheesha	ECE	Underground Cable Fault Detection Using Robot	World Journal of Technology, Engineering and Research, paper ISSN(online) 2454-695X, Volume 4, Issue 1 (2019), pp 300-308.	International Journal
17.	Dr.T Y Satheesha	ECE	Underground Cable Fault Detection Using ATMEGA328 Microcontroller	World Journal of Technology, Engineering and Research, paper ISSN(online) 2454-695X, Volume 4, Issue 1 (2019), pp 309-3019.	International Journal
18.	Mr.Basavar aj G M	ECE	Combining Optical Flow and Heat Map Feature Vectors for 6Crowd Behavior Recognition Systems	Journal of Advanced Research in Dynamical & Control Systems, Special Issue, 2018 Vol. 10, 03, ISSN 1943-023X, PP 1176-1178 Mar 2018	International Journal
19.	Mr.Basavar aj G M	ECE	Optical flow approach followed by the SVM classification model to recognize abnormal behavior of a crowd	International journal of Engineering & Technology (IJET), Vol. 7, Issue. 3.34 Sept. 2018, PP 156-159, DOI: 10.14419/IJET.V 7i3.34.18927	International Journal
20.	Mr.Rohith S	ECE	A Novel Compressed Encrypted and Encoded Watermark Embedding Scheme for Digital	International Journal of Engineering &Technology	International Journal

			Images	September 2018 Vol. 7 No. 3 PP	
21.	Dr. Mamatha G	ISE	Threshold Analysis Method using Threshold Based Congestion Control Protocol in Wireless Sensor Networks for Node Optimization	ISSN: 2394-9333, Volume-5 | Issue-3 , June 2018	International Journal of Trend in Research and Development
22.	Dr. N Kapilan	Mechanical Engineering	Studies on Improvement of Performance of Compression Ignition Engine Fuelled with Mixture of Honge Biodiesel and Tire Pyrolysis Oil		International Journal
23.	Mr. L J Naik	Mechanical Engineering	Effect of Compression Ratio on the Performance of the Diesel Engine Fuelled with Alternative Fuel		International Journal
24.	Mr. Amaresh Gunge	Mechanical Engineering	Study on mechanical properties of alkali treated plain woven banana fabric reinforced biodegradable composites		International Journal
25.	Mr. Prabhakar C G	Mechanical Engineering	Developing & Testing of unmanned Automatic Army Firing Vehicle	International Journal	International Journal
26.	Dr. L Pinky Devi	Civil Engineering	Life cycle energy analysis of a low-cost house in India	International	International
27.	Mr. Mandeep	Civil Engineering	Analysis of junction and road user traffic data to reduce the congestion at TIN factory junction	National	National
28.	Poornima U.K.	MBA	Role of SHG in Rural Development	IJBARR, Vol. 5 Issue 4 Oct-Dec 2018, Impact Factor 5.47	International
29.	Poornima U.K.	MBA	Role of Panchayats in Rural Development	IJMRR Vol 4 Issue 11 Nov. 2018,Impact Factor 4.38	International
30.	Dr.Prakash B. Yaragol	MBA	Is Privatisation Solution for PSBs to get rid of NPAs?	Presidency Journal of Management Thought &	National

Sl. No.				Research. Vol. IX Issue No.1 Jan-June 2019 pp48-57	
31.	Dr.Prakash B. Yaragol	MBA	An Analysis of Existence of Convergence between Spot and Futures prices in Selected Agricultural Commodities	Indian Journal of Research in Capital Markets. Vol.5 Issue-4 Oct-Dec-2018, pp-7-17.Indexed in Google scholar, IC value (2017) 84.44 UGC No. 47227.	National
32.	Dr. Harish K N	Chemistry	Solution-Based Fast Fabrication of a High-Performance Unlimited Area Au Nanostructure/Si Hetero junction Photo detector,	ACS Applied Electronic Materials,1 (4), 2019, pp 577–584.	International

Books Published By Faculty

Sl. No.	Title	Author/s	Year of Publication	Name of the Publisher/s
1	Formal Languages to Automata Theory	Dr. Shantakumar B Patil	29-03-2019	AkiNik Publications
2	ASOR: Anonymous Secure Onion Routing for MANETS	Mr. Abhijith Saralaya	05-04-2018	LAMBERT Academic Publishing
3	Detection of Melanoma Using Pixel Interpolation Technique	Dr. T Y Satheesha	28/02/2018	LAP LAMBERT Academic Publication, ISBN: 978-613-8-33876-5, 56 pages, www.morebooks.de

NCET Faculty Awarded with Ph.D.

1. Yogeesha. H.C. Completed Ph.D. in the department of Mechanical Engg.

2. Megha N Kulkarni Completed Ph.D. in the department of Civil Engg.

3. Roopa Temkar Completed Ph.D. in the department of MBA.

4. Roopa Temkar Completed Ph.D. in the department of MBA.

Workshop and Seminar organized in college for the AY2018-19

Workshops technical Organized In the College

Sl. No.	Name of the Conference etc. organized	Date & Month	Source of Financial Support	No. of Participants
1	Awareness Program on "Digital India"	25th Feb 2019	IEEE	187
2	Two day workshop on "Network Security"	26th & 27th February 2019	IEEE	124
3	Three days workshop on " Cloud Coding"	29/10/2018 to 31/10/2018	IEEE	48
4	Technical Talk on "Devops"	12/10/2018	IEEE	37
5	Awareness Program on "Android App for Anti ragging"	03/10/2018	IEEE	239
6	Technical Talk on "Linux Kernel Programming & Device Drivers	07/04/2018	IEEE	50
7	One day workshop on "Robotics"	27/09/2018	IEEE	78
8	Awareness Program on "Internet Standards and PKI"	20/07/2018	IEEE	72
9	Three Day Hands – on Workshop on Internet of Things and Home Automation	4th to 6th October 2018	NCET	50
10	Three Day Hands – on Workshop on Analog and Digital IC Design using Cadence Tool	12th to 14th March 2019	NCET	32
11	Android Workshop	23.03.2019	NCET	97
12	Research Proposal preparation	4/10/2018	NCET	50

13	Project Based Learning	29/10/2018 to 31/10/2018	NCET	47
14	International Conference	26.03.2019 to 27.03.2019	NCET	80
15	SPARKO FIESTA-2019	22.03.2019	NCET	200
16	Softskill Training Programme	03.04.2019 to 04.04.2019	NCET	150
17	Hypermesh Software Training Programmee	25.02.2019 to 01.03.2019	NCET	70
18	Project Based Learning Workshop	19.09.2018 to 24.09.2018	NCET	20
19	Two days Workshop on "Non Destructive Testing"	08.08.2018 to 0.9.08.2018	NCET	68
20	FDP on "Refrigeration and Air Conditioing"	09.07.2018 to 13.07.2018	ISHRAE	30
21	Focus	7-8-2018	NCET	400
22	Gratitude	8-8-2018	NCET	400
23	Competition and Excellence	9-8-2018	NCET	400
24	Peer Pressure	9-8-2018	NCET	400
25	Success with Inner Technology	9-8-2018	NCET	400
26	Anger Management	13-8-2018	NCET	400
27	Health, Mind and Consciousness	14-8-2018	NCET	400
28	Listen to your Heart	16-8-2018	NCET	400
29	Leadership Skills	16-8-2018	NCET	400
30	Qualities of an Engineer	18-8-2018	NCET	400
31	Spirit of success in Engineering Studies	19-8-2018	NCET	400
32	Nutition and Health	21-8-2018	NCET	400
33	Workshop on Photography	28th and 29th of March	NCET	190

Guest lecture/ Invited Special Lectures arranged

Sl. No.	Name of the Invited Scholar with full Address	Title of the Lecture delivered	Area of Specialization	Date of the Lecture
1.	Mr. Jaifulla, Senior technical officer, Jetking Computer Institute in Sadashiv Nagar, Bengaluru,	Awareness Program on "Digital India"	Networks	25th Feb 2019
2.	Mrs. Sunitha G Ambhadiga, Technical Manager, Jetking Computer Institute in Sadashiv Nagar, Bengaluru,	Two day workshop on "Network Security"	Networks	26th - 27th Feb 2019
3.	Mr. Lakshmi Narayana A Software Developer, Spaneos Sofware Sloutions PVT. Limited, Bengaluru	Three days workshop on " Cloud Coding"	Cloud Computing	29/10/2018 to 31/10/2018
4.	Mr. Karthik Software Designer, Spaneos Sofware Sloutions PVT. Limited, Bengaluru	Technical Talk on "Devops"	Cloud Computing	12/10/2018
5.	Mr. Anoop Bhargava	Awareness Program on "Android App for Anti ragging"	Android	03/10/2018
6.	Mr. Radhakrishna, corporate trainer and founder of advanced Traning & Rwesearch Labs	Technical Talk on "Linux Kernel Programming & Device Drivers	Device Drivers	07/04/2018
7.	Mr. Nishanth, IIT Bombay Labs	One day workshop on "Robotics"	Robotics	27/09/2018
8.	Mr. Anoop Kumar Pandey, Senior Technical Officer C-DAC	Awareness Program on "Internet Standards and PKI"	Networking	20/07/2018
9.	Mr.Balaji .M.V, Head , embedded Systems – Hynetic Electronics Pvt Ltd, Bangalore	How to pursue your career in Electronics Domain	Embedded System , Electronics	23.03.2019

10.	Mr. Manish Kumar Singh , Head institution collaboration , New Delhi	Career opportunities in online certification program	Embedded System	06.03.2019
11.	Mr. Raghu Prasad K S CEO, Kaushalya Technical Training and Consultancy services Sahakaranagara, Bengaluru	IoT	Computer Science	06.02.2019
12.	Mr. Basavaraju CEO, BCS Innovations, Bengaluru	Ergonomics	Computer Science	19.02.2019
13.	Faculty Development Program	Thoughtful Cooling	HVAC	30.11.2018 to 04.12.2018
14.	Dr. Saravanan, Professor, Dept. of Mechanical Engineering, UVCE	Critical Sucess Factors of Total Quality Service and their operating measures	Manufacturing Engineering	1.3.2019
15.	Mr. Ashok, Centre Head, CADD Center, Yelahanka	Advances in CAE	CAE	15.3.2019
16.	Dr. M.S.Nagakumar	Importance of Geotechnical Engineering & Stabilization of Deep Excavations	Pavement evaluation and soil dynamics	31st October, 2018
17.	Dr. R. Ravindra	Roofing system with Brick Infills	Alternate building material technology, Reliability engineering	31st October, 2018
18.	Dr. H B Rekha	Air Pollution Causes, Effects and Solutions	Environmental Engineering	28th September 2018

Workshop/FDP Attended by Faculty members

Sl. No.	Name of the Teacher	Name of the Conference/ seminar/ Workshop attended	Place	Date
1.	Dr. Gururaj Murthugudde	Faculty Development Progran on" IT Governance" for Govt. Degree College Teachers	Govt. Degree College, Mandya	16 Mar 2019
2.	Mrs. Mamatha C M	Awareness Program on "Digital India"	NCET	25th Feb 2019
3.	Mrs. Mamatha C M	Two day workshop on "Network Security"	NCET	26th & 27th February 2019
4.	Mrs.Swathi S	ICEECOT-2018	GSSSIT	14/12/2018-15/12/2018
5.	Dr. Shantakumar B Patil	one day industry institute interaction program: Technical skill development and industry insurgencies	PDA, Engineering college , Kalaburgi	23rd November 2018
6.	Mr. Bhargava R	one day industry institute interaction program: Technical skill development and industry insurgencies	PDA, Engineering college , Kalaburgi	23rd November 2018
7.	Mr. Pramoda R	one day industry institute interaction program: Technical skill development and industry insurgencies	PDA, Engineering college , Kalaburgi	23rd November 2018
8.	Mrs. Mamatha C M	Three days workshop on " Cloud Coding"	NCET	29/10/2018 to 31/10/2018
9.	Mrs. Mamatha C M	Technical Talk on "Devops"	NCET	12/10/2018
10.	Mrs.Swathi S	Computational Artificial Intellingence using Julia	Sir. MVIT	25/07/2018-27/07/2018
11.	Mrs. Mamatha C M	Technical Talk on "Linux Kernel Programming & Device Drivers	NCET	07/04/2018
12.	Mrs. Mamatha C M	Awareness Program on "Internet Standards and PKI"	NCET	20/07/2018

13.	Mrs. Swetha Vura	Matlab Onramp	MathWorks (online certification)	18th May 2018
14.	Mrs. Swetha Vura	Deep Learning Onramp	MathWorks (online certification)	23rd May 2018
15.	Mrs. Swetha Vura	Learn MATLAB with Image Processing from Scratch!	Udemy (online certification)	9th June 2018
16.	Mrs. Manjusha	Blockchain Architecture Design and Use Cases	NPTEL (online certification)	30/07/2018 to 19/10/2018
17.	Mrs. Manjusha	Internet of Things	NPTEL (online certification)	30/07/2018 to 19/10/2018
18.	Dr.Nagesh K. N	Second International Conference on Advances in Electronics, Computers and Communications (ICAECC)	Reva University, Bangalore	9-10 Feb-2018
19.	Dr.Nagesh K. N	Three Day Hands – on Workshop on Analog and Digital IC Design using Cadence Tool	NCET	12th to 14th March 2019
20.	Dr.H.Venkatesh Kumar	HAMFEST INDIA 2018	Reva University Bangalore	29th and 30th December 2018
21.	Dr.H.Venkatesh Kumar	Rotary AK- EDUSAT Symposium	GKVK , Bangalore	7th and 8th September 2018
22.	Dr.H.Venkatesh Kumar	IEEE IPR Workshop 2018	VTU Regional Office Bangalore	25th August 2018
23.	Dr.H.Venkatesh Kumar	Three Day Hands – on Workshop on Analog and Digital IC Design using Cadence Tool	NCET	12th to 14th March 2019
24.	Dr.Premjyothi G Patil	FDP on Trail Head Educator	NCET	25.07.2018
25.	Dr.Premjyothi G Patil	Three Day Hands – on Workshop on Analog and Digital IC Design using Cadence Tool	NCET	12th to 14th March 2019
26.	T. Y. Satheesha	Segmentation of Melanoma Using the EM Algorithm	SVCE, Banglore	4th and 5th May 2018
27.	T. Y. Satheesha	National conference on Recent Trends in Electronics and Communication Engineering NCRTECE-18	SJCIT, Chickballapur	10th May 2018

28.	T. Y. Satheesha	IEEE workshop on "Internet Protocol and standards"	NCET, Bangalore	20th July 2018.
29.	T. Y. Satheesha	One day workshop on "Smart India Hackathon-2019	Jain university, Bangalore	01 October 2018.
30.	T. Y. Satheesha	Three day workshop on "Analog and Digital IC Design using cadence tool	NCET, Bengalure	12/03/2019 to 14/03/2019
31.	Mr. Rohith.S	FDP on Computer network using network simulators	SJCIT, Chickballapur	$20^{th} – 24^{th}$ Mar 2019
32.	Mr. Rohith.S	FDP on RF circuits & systems	Ramaiah Institute of Technology, Bangalore	23rd to 28th July 2018
33.	Mr. Rohith.S	Three day workshop on "Analog and Digital IC Design using cadence tool	NCET, Bengalure	12/03/2019 to 14/03/2019
34.	Mrs.Roopa.G	Introduction to Robotics	CMRIT, Bangalore	5th & 6th October 2018
35.	Mrs.Roopa.G	Three day workshop on "Analog and Digital IC Design using cadence tool	NCET, Bengalure	12/03/2019 to 14/03/2019
36.	Mrs. Bhavya.V	Three day workshop on "Analog and Digital IC Design using cadence tool	NCET, Bengalure	12/03/2019 to 14/03/2019
37.	Mr. Nanda Kishore.C.V	Three day workshop on "Analog and Digital IC Design using cadence tool	NCET, Bengalure	12/03/2019 to 14/03/2019
38.	Mr.Sunil Kumar B .S	Introduction to Robotics	CMRIT, Bangalore	5th & 6th October 2018
39.	Mr.Sunil Kumar B .S	Computer Network using Network Simulators	SJCIT, Chickballapur	$20^{th} – 24^{th}$ March 2019
40.	Mr.Sunil Kumar B .S	Three day workshop on "Analog and Digital IC Design using cadence tool	NCET, Bengalure	12/03/2019 to 14/03/2019
41.	Mr.Kasetty Rambabu	Introduction to Robotics	CMRIT, Bangalore	5th & 6th October 2018
42.	Mr.Kasetty	Three day workshop	NCET,	12/03/2019 to

		on "Analog and Digital IC Design using cadence tool	Bengalure	14/03/2019
	Rambabu			
43.	Mrs.Ashwini.S	Two day workshop on Introduction to Robotics	CMRIT, Bangalore	5th & 6th October 2018
44.	Mrs.Ashwini.S	Three day workshop on "Analog and Digital IC Design using cadence tool	NCET, Bengalure	12/03/2019 to 14/03/2019
45.	Mr. Harish.V	Three day workshop on "Analog and Digital IC Design using cadence tool	NCET, Bengalure	12/03/2019 to 14/03/2019
46.	Mrs. Souparnika Jadhav	Three day workshop on "Analog and Digital IC Design using cadence tool	NCET, Bengalure	12/03/2019 to 14/03/2019
47.	Ms. Hemalatha.B	Three day workshop on "Analog and Digital IC Design using cadence tool	NCET, Bengalure	12/03/2019 to 14/03/2019
48.	Mr. Shashi Kiran.R	Three day workshop on "Analog and Digital IC Design using cadence tool	NCET, Bengalure	12/03/2019 to 14/03/2019
49.	Mr. Vinay Kumar.N	Three day workshop on "Analog and Digital IC Design using cadence tool	NCET, Bengalure	12/03/2019 to 14/03/2019
50.	Mr. Manjunath.M.N	Three day workshop on "Analog and Digital IC Design using cadence tool	NCET	12/03/2019 to 14/03/2019
51.	Dr. Mamatha G	Android Workshop	NCET	23.03.2019
52.	Dr. Mamatha G	Research Proposal preparation	NCET	4/10/2018
53.	Dr. Mamatha G	Project Based Learning	NCET	29/10/2018 to 31/10/2018
54.	Mr. Ashok S Patil	Cyber Security	Rajarajeshwari College of Engineering,	22.06.2018 to 23.06.2018
55.	Mr. Ashok S Patil	Android Workshop	NCET	23.03.2019
56.	Mr. Ashok S Patil	Research Proposal preparation	NCET	4/10/2018

57.	Mr. Ashok S Patil	Project Based Learning	NCET	29/10/2018 to 31/10/2018
58.	Mr. Kishore P. J.	Android Workshop	NCET	23.03.2019
59.	Mr. Kishore P. J.	Research Proposal preparation	NCET	4/10/2018
60.	Mr. Kishore P. J..	Project Based Learning	NCET	29/10/2018 to 31/10/2018
61.	Mr. Mohan D. N.	Android Workshop	NCET	23.03.2019
62.	Mr. Mohan D. N.	Research Proposal preparation	NCET	4/10/2018
63.	Mr. Mohan D. N.	Project Based Learning	NCET	29/10/2018 to 31/10/2018
64.	Mrs. Ashwini S. S.	Android Workshop	NCET	23.03.2019
65.	Mrs. Ashwini S. S.	Research Proposal preparation	NCET	4/10/2018
66.	Mrs. Ashwini S. S.	Project Based Learning	NCET	29/10/2018 to 31/10/2018
67.	Mrs. Geetha M	Android Workshop	NCET	23.03.2019
68.	Mrs. Geetha M	Research Proposal preparation	NCET	4/10/2018
69.	Mrs. Geetha M	Project Based Learning	NCET	29/10/2018 to 31/10/2018
70.	Ms. Sushma A	Android Workshop	NCET	23.03.2019
71.	Ms. Sushma A	Research Proposal preparation	NCET	4/10/2018
72.	Ms. Sushma A	Project Based Learning	NCET	29/10/2018 to 31/10/2018
73.	Ms. Sushma A	Project Based Learning	NCET	23.03.2019
74.	Mrs. Monika N	Android Workshop	NCET	23.03.2019
75.	Mrs. Monika N	Research Proposal	NCET	4/10/2018

		preparation		
76.	Mrs. Monika N	Project Based Learning	NCET	29/10/2018 to 31/10/2018
77.	Prof. Navya H S	Android Workshop	NCET	23.03.2019
78.	Dr. N Kapilan	Seminar on "Sharpening Skills, Brighten Careers In HVAC&R"	Nimans Convention Center, Bangalore	23.01.2019 to 24.01.2019
79.	Mr. Vijaykumar M Patil	Seminar on "Sharpening Skills, Brighten Careers In HVAC&R"	Nimans Convention Center, Bangalore	23.01.2019 to 24.01.2019
80.	Dr. N Kapilan	Seminar on "Heat Load Calculation"	KNSIT, Bangalore	21.02.2019 to 22.02.2019
81.	Dr. N Kapilan	Seminar on "Indoor Air Quality"	Reva University, Bangalore	25.02.2016
82.	Mr. Vijaykumar M Patil	Seminar on "Indoor Air Quality"	Reva University, Bangalore	25.02.2016
83.	Mr.Vinod Kumar R	Four Days National Seminar on Innovations in Science & Engineering	Sir MVIT, Bangalore	26.02.2019
84.	Mr. Vinod Kumar R	Two Weeks FDP on Recet Development and Challenges in Materials and Manufacturing Processes	BIT, Bangalore	01.01.2018 to 13.01.2018
85.	Mr. Prabhakar C G	National Conference	SVCE, Bangalore	22.05.2018 to 23.05.2018
86.	Mr. Mandeep BV	National conference on road and infrastructure (INFRA ROAD TECH 2019)	RASTA, Bangalore	4/4/19 to 5/4/19
87.	Mr. Bharath A	Hydro 2018	NIT Patna	Dec 19- 21 2018
88.	Mr. Sharath Babu	3rd international conference on Construction , real estate, infrastructure and project (CRIP) management	NICMAR, Pune	Nov 23-25 2018
89.	Ms.Malini S.P	2nd international conference on contemporary engineering and technology	Vijayawada, Andrapradesh	2nd and 3rd April 2018

90.	Mr. Sanath Kumar K R	Challenges and opportunities in the implementation of NSS in present scenario	BMSCE	26th September 2018
91.	Mr. Sanath Kumar K R	Total Station and drone survey application in civil engineering	ATME IT Mysore	26th to 28th March 2019
92.	Mr. Sanath Kumar K R	IAM-2019	IIRS(ISRO) Dehradun	14th and 15th March 2019
93.	Mrs. Shwetha K	Enabling Technology for Synthesis	Mangalore University	17-22 September 2018

Glimpse of Activities of AY -2018-19

a) Workshop on "Research proposal preparation"

Research proposal preparation is used to establish expertise to support your proposed area of research. It forms part of the assessment of your application. The research proposal you submit as part of your application is just the starting point, as your ideas evolve your proposed research is likely to change

b) Workshop on"PROJECT BASED LEARNING"

Department of CSE and ISE is conducting a Three Days Workshop on "PROJECT BASED LEARNING" from 29th to 31st October 2018. Inaugurated by Dr. Srikanta Murthy K, Principal, Dr. Harisha P, Vice Principal, Mr. Major Monnappa, Campus Administrator, Dr.Gururaj M., HOD, CSE, Dr.Mamatha G, Convener, HOD , ISE.

c) Workshop on Ergonomics

Department of Information science and Engineering organized One day workshop on Ergonomics - is the scientific discipline concerned with the understanding of interactions among humans and other elements of a system, and the profession that applies theory, principles, data and methods to design in order to optimize human well being and overall system performance, conducted on 19/02/2019.

d) Invited Talk on "How to pursue your career in Electronics Domain"

The Department of Electronics and Communication had organized Invited Talk on "How to pursue your career in Electronics Domain" on 23 rd March 2019. Mr. Balaji M.V, Head Embedded Systems, Hynetic Electronics Pvt Ltd delivered the talk on current needs and expectations of industries.

e) Technical talk on Internet of Things (IOT)

The Electronics and Communication Department had organized Technical talk on Internet of Things (IOT) on 6 th March 2019, Mr. Manish Kumar Singh from ATSL Solutions, delivered the talk which covered a wide range of topics including design and real time applications of IOT

f) 3 Days Hands on Workshop on "Internet of Things And Home Automation"

The 3 Days Hands on Workshop on "Internet of Things And Home Automation" for 5 th semester EC students was held from 4th October 2018 to 6th October 2018. Principal Dr. Srikantamurthy, Vice Principal Dr. Harisha P, HOD Of EC Dr. K N Nagesh and Director Digital Shark Pvt. Ltd., HODs of other Departments and faculty members were present. Mr. Rohith S, Assoc. Professor, Coordinated the Workshop.

Registration Form Panel

NAGARJUNA COLLEGE
OF
ENGINEERING AND TECHNOLOGY

REGISTRATION FORM

**Three Day Hands-on Workshop
on
Internet of Things and Home Automation**

Name :- _____

USN :- _____

Semester - _____

Department :- _____

Mobile :- _____

E-mail :- _____

Fee Remittance Details

DD/ Cheque (local only) No_____
dated_____ for Rs_____in
favor of "Principal Nagarjuna College of
Engineering and Technology" payable at
Bangalore

Participant Signature

Middle Panel

Chief Patron

Sri J V Rangaraju
Chairman, NES.

Patrons

Mr. Chaitanya Varma
Secretary, NES.

Mrs. Bhanu Chaitanyavarma
Member, NES.

Dr. S G Gopala Krishna
Director, NES

Program Committee

Dr Srikanta Murthy K
Principal, NCET, Bengaluru

Dr. Harisha P
Vice Principal, NCET, Bengaluru

Dr. K N Nagesh
Professor and HOD Dept. ECE, NCET.

Convener

Mr. Rohith S
Associate Professor
Department of ECE
Nagarjuna College Of Engineering &
Technology,
Mudugurki, Venkatgirikote, Devanahalli,
Bengaluru-562 110.
Mobile : 9986957022
Email: s.rohith@ncetmail.com

Right Panel

NAGARJUNA COLLEGE
OF
ENGINEERING AND TECHNOLOGY
Bengaluru-562164

**Three Day Hands-on Workshop
on
Internet of Things and Home Automation**
4th to 6th October 2018

In association with

TEXAS INSTRUMENTS   Magnitude Shark   TI university program

Organized by

NAGARJUNA
COLLEGE OF ENGINEERING & TECHNOLOGY

**Departments of
Electronics & Communication Engineering**
Nagarjuna College of Engineering & Technology,
Mudugurki, Venkatgirikote, Devanahalli,
Bengaluru-562164.
Phone: 080-27645992/993
www.ncet.co.in

g) Three days Hands-on faculty Workshop on Analog and Digital IC Design using CADENCE Tool

   Electronics and Communication department organized Three days Hands-on Workshop on Analog and Digital IC Design using CADENCE Tool from 12th to 14th March-2019. The function was inaugurated by the Principal Dr. Srikanta Murthy K S, Vice Principal Dr. Harisha P. Professor and Head of ECE Department Dr. Nagesh K N and Mr. Khedarnath from "ENTUPLE Technologies". Mr. Rohith S, Assoc. Professor, Coordinated the Workshop.

h) Expert Lecturer On Career opportunities in online certification program On6th March 2019

The expert lecturer on Career opportunities in Online Certification Program is arranged for 4th and 6th Semester students on 6 th March 2019 at NCET auditorium to enhance the knowledge skills. Mr. Manish Kumar singh, head institution collaboration, New Delhi, is the resource person for the event. The Event is organized by Department of ECE and Coordinated by Mr. Rohith S, Associate Professor, ECE Deparment and Dr. Venkatesh Kumar H, Professor,ECE Deparment.