



Success Journey Begins Here...



NAGARJUNA
COLLEGE OF ENGINEERING & TECHNOLOGY

BANGALORE'S BEST AUTONOMOUS COLLEGE





Nagarjuna College of Engineering and Technology (NCET) is a premier top-rated institution under Nagarjuna Group of Institutions (NGI) and has been proudly promoted by NCC since 2001. NCC has been ranked the "2nd Largest Construction Company in India" by a Construction World-NICMAR study. Having produced landmark civil-engineering projects worth billions in the last three decades, NCC today, represents the very best of the construction industry.

NCET is blessed with a strikingly beautiful campus very close to Bangalore International Airport with exceptional infrastructure and academic facilities. The institution has been granted autonomy by Visvesvaraya Technological University (VTU) and has been accredited by NAAC with an A grade. Our departments have also been accredited by the National Board of Accreditation for quality academic output. The institution is ISO certified and has been approved by the UGC and AICTE.

NCET is home to some of the finest academicians hailing from IITs, NITs and the IISc. The institute enjoys an efficient confluence of industry and academia with industry oriented curriculum transforming it into a centre of academic excellence for the overall development of the student community and the nation

SISTER INSTITUTIONS TOTAL STRENGTH 8000 PLUS



VISION

Leadership and Excellence in Education

MISSION

To fulfill the vision by imparting total quality education replete with the philosophy of blending human values and academic professionalism



SRI. J.V. RANGA RAJU

Chairman
Nagarjuna Group of Institutions,
Director - NCC Ltd.

On the outset, I would like to invite you to Nagarjuna Group of Institutions (NGi) - an organization synonymous with scholastic distinction. NGI is built on values that are core to the academic setup of the current day and age while also imbuing in students a corporate acumen. In the last two decades, our institution has achieved the perfect combination of state-of-the-art infrastructure and proficient human resources committed to providing professional education with an emphasis on innovation & research.

Our competent faculty and staff are very passionate about shaping the pioneers of tomorrow and are advocates of a conducive and cordial learning environment. We firmly believe that the growth of the nation depends on the overall well being of our youth — in addition to technical mastery, our students are well-versed with human values and social responsibilities to ensure individual progress in line with national development. We look forward to being a part of your child's success story.



SALIENT FEATURES

Project Based Learning | Open Electives
International Internships | Smart Class Rooms
Online Courses with Credits | Toastmaster Communication Club | Placement Training
Personal Counselors | Industry Related courses

LABS

Virtual lab Nodal centre through MHRD | e-Yantra Robotic lab by IIT Bombay | Texas Innovation lab VLSI & Microprocessor lab | Oracle WDP lab | National Instruments Lab-View Academy | NPTEL Local Chapter sanctioned by IIT Madras | EDUSAT - Two way interactive facility



GREEN CAMPUS

Solar power Generation
Solar Water Heaters
Solar Street Lights
Rain Water Harvesting
Sewage Treatment Plant



INFRASTRUCTURE

100 acres Wi-Fi campus | Library | Smart class rooms | 10 acres of play ground | Indoor sports centre Separate Gymnasium for Boys and Girls | Hygienic Canteen/Mess | Coffee day / Xerox Centre | Stationery stores | Hostel blocks for boys and girls (Capacity 1000) | Furnished guest house for parents State of the art laundry | ATMs / Transport facility | Security services

PROGRAMS OFFERED

UNDERGRADUATE PROGRAMME (BE) 4 YRS

Computer Science & Engineering (CSE)
CS - Data Science
CS - Artificial Intelligence & Machine Learning
Information Science & Engineering (ISE)
Electronics & Communication Engineering (ECE)
Mechanical Engineering (ME)
Civil Engineering (CV)

POST GRADUATE PROGRAMME (M.Tech) 2 Yrs

Construction Technology
Structural Engineering
Master of Business Administration (MBA) 2 Yrs

RESEARCH PROGRAMME (M.Sc Engg By Research & Ph.D)

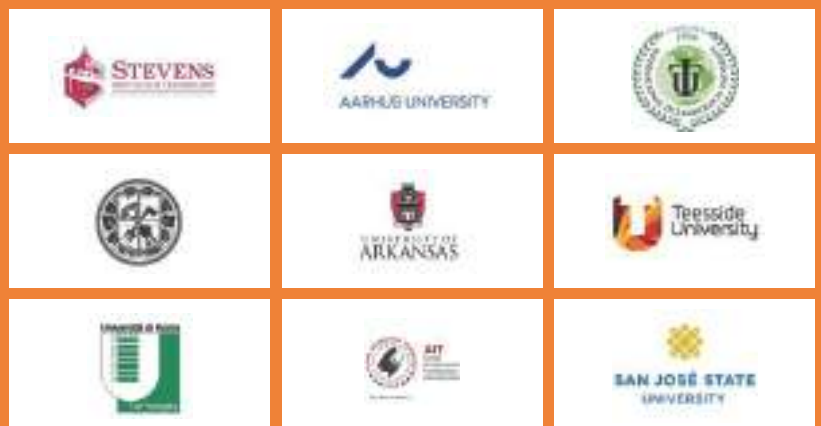
| Civil Engineering | Computer Science & Engineering
| Electronics & Communication Engineering | Mechanical Engineering
| Physics | Chemistry | Master of Business Administration

INTERNATIONAL INTERNSHIPS

Our students visit Foreign Universities to upgrade their skills by doing summer internships & research projects to strengthen their career prospects & opportunities for higher studies.

ASSOCIATED FOREIGN UNIVERSITIES

Technical University of Sofia(TUS), Bulgaria
Tor- Vergata University, Rome, Italy
Athens Institute of Technology, Greece
Ural Federal University, Russia
Stevens Institute of Technology, USA
Aarhus University, Denmark
National Technical University of Ukraine "Kyiv Polytechnic Institute"
University of Arkansas, USA | ITU San Jose, California
Athlone Institute of Technology, Ireland, Dublin
Teesside University, Middlebrough, UK



STUDENTS UNDERGONE INTERNATIONAL INTERNSHIPS



SHAAN IBRAHIM

Teesside University - Middleborough United "I was able to learn different skills that one cannot learn in classrooms and I also got an opportunity to meet students from many count and I'm grateful to NCET Management for motivating me to pursue this life changing Internship"



MS. EGGONI.HARSHINI

@University: Athens information technology, Greece "This internship has allowed me to hone my technical skills, experience in Composing a scientific research paper, and perform actual scientific research with experienced, brilliant, and like-minded people". Thanks to Faculty and NCET Management



MR. PUNEETH A

University: Ural Federal University, Russia
"This internship was a worthwhile experience and I feel that it has not only prepared me for my academics but also for my professional career. I will take the experience of the internship with me in applying and analyzing future opportunities. Thanks to staff & NCET Management



INDUKURI SANJAY VARMA

Tor vergata university Rome, Italy "I benefitted so much by attending the classroom training and peer-to- peer learning methods during this internship and I respect, cherish every moment I spent with my teachers and other students there. I'm grateful to NCET Management and Faculty".

PROJECT BASED LEARNING (PBL)

Our Students actively participate in the Project-based learning (PBL), which is a student-centered pedagogy that involves a dynamic classroom approach in which students acquire a deeper knowledge through active exploration of real-world challenges and problems. students acquire a deeper knowledge through active exploration of real-world challenges and problems. Students learn about a subject by working for an extended period of time to investigate and respond to a complex problem under the guidance of external Industry Experts. It is a style of active and inquiry-based learning.



ADVANTAGES OF AUTONOMOUS COLLEGE

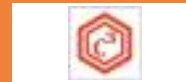
Affiliated to VTU and got complete academic autonomy to frame the industry based syllabus and conduct independent evaluations & Semester examinations

Make up Examinations and Fast track semester helps the students to clear backlog subjects and avoid losing an year. Flexible Choice Based Credit System (CBCS) is followed to suit the requirements of slow learners and fast learners. A student can study at his own pace. Project Based Learning International Internships Credit linked Open Elective Courses in Music, Yoga & Meditation, Sports, Dance, Martial Arts, etc.

Certification Courses (MOOCs Based Swayam)
Industry Specific Courses: Experts from industries will be handling the subjects.

Internship and Projects from reputed Industries.
Hobby Clubs (Photography, Eco Club, Theatre Club, Robotics, Event Management, Fashion Club, Arts & Crafts, Cinematography, Coding Club, Entrepreneur Club, PC gaming etc)

MOU'S



OPEN ELECTIVES

STUDENTS INVOLVED IN MARTIAL ARTS CLASSES | YOGA CLASSES | PHOTOGRAPHY CLASSES

ONLINE COURSES – OFFERED

World of business is moving at brisk phase and technology is getting changed rapidly, on day to day basis. Thus there is an immense need for students to learn most updated digital applications through different online platforms at their convenience and most affordable price. Our NCET students are highly motivated to pursue globally recognized online courses to enhance their career prospects and improve higher studies opportunities.

Computer Forensics (MOOCS) | The Data Scientist's Toolbox (Johns Hopkins University) Network Security (MOOCS) | Operational Analytics (Wharton University of Business) C# and .Net (MOOCS) | Managing Big Data with MySQL (Duke University) | Compiler Design (NPTEL/MOOCs) | Computer Architecture (MOOCS) / Information Security (MOOCS) Introduction to CSS3 (MOOCS) | Machine Learning (NPTEL/MOOCs) Project Planning and Control (MOOCS) | Online Certification Courses from IITs / IISc / SWAYAM / EDX/ MOOCs/NPTEL/ Course Era.



B.E- COMPUTER SCIENCE & ENGINEERING INFORMATION SCIENCE & ENGINEERING-4 YRS

In the land of Information Technology, there simply is no excuse for not being up-to-date with technology. So NCET always ensures that it is a step ahead of its peers in this regard. India has emerged as the premier destination for IT over the turn of the century and needless to say Bengaluru has been one of the biggest beneficiaries. In order to further capitalize on this factor, we are continuously strengthening our base and lay great emphasis on creating the finest computer facilities. We want our knowledge centre to be an ideal location for innovation and creativity for our students and staff alike.



HOW WE ARE DIFFERENT

In the first half of the course, students go through basic concepts of engineering and theoretical foundations of information, computation, its implementation and functionality in computer systems. In the second half we map the students to their areas of interest with personal counseling by the faculty and we focus on their strengths by offering them different electives like machine learning , AI ,Big data , Data Analytics etc.

Since problem solving is the basics in developing logical thinking ,the curriculum of key subjects is developed in such a way that students from first year onwards will be exposed to solving a large number of problems in labs instead of traditional class room teaching.

Taking the advantage of autonomy , we try to impart the current technologies of the industry into the curriculum which would be taught by the industry.

Summer internships will be encouraged by the faculty.

PLACEMENT TRAINING

- 1st Year-Communication Skills
- 2nd Year - Aptitude Training
- 3rd Year Complete brush up of technical training
- 4th Year - Campus Placements



B.E - MECHANICAL ENGINEERING (4 YEARS)

Mechanical engineering is one of the most diverse of all engineering disciplines. Due to this, there are employment opportunities in a range of sectors, including: aerospace, automotive, biomedical, construction, manufacturing, power, railway, software etc.

The Learning process is at NCET is enhanced by Integrated Courses (Theory- Practical combined subjects), Project Based Learning, and Hands on experience is provided in well equipped laboratories through workshops, seminars, conferences, and symposiums.



HOW WE ARE DIFFERENT

B.E - Mechanical engineering prepares students for a broad range of careers associated with the design and implementation of mechanical devices involving conversion, transmission and utilization of energy. Mechanical engineering involves creating smaller parts for machines to develop big machines and mechanical devices.

It includes the science and art of formulation, design, development and control of systems and components involving mechanics, thermodynamics, fluid mechanics, mechanisms and the conversion of energy into useful work.

Knowledge of mathematics, science and engineering and makes students capable enough to develop problem-solving skills for promising careers in mechanical engineering.

The students will acquire in depth knowledge in at least one area of specialization. These specialization areas include applied mechanics, energy engineering, design, automobile engineering, robotics and manufacturing etc.

Theoretical and industry-oriented knowledge, research and consultancy which provide exposure to deal with challenging situations in mechanical engineering (HVAC, BOSCH, NIIT virtual Lab, CAE ,Auto desk software tools, etc)

Ability to formulate engineering problems and designing mechanical devices to meet diversified needs of industries.

Students are also exposed to many funded projects from DST,AICTE,VGST,IE,VTU ,ASHRAE and KSCT. Learn to work in teams, develop leadership qualities and seamless communication skills.

PLACEMENT TRAINING

1st year – Training on Communication classes

2nd year – Aptitude Training

3rd Year – Training on Core Subjects and JOB oriented Courses 4th – Campus Placements and Internships.



B.E - ELECTRONICS & COMMUNICATION ENGINEERING (4 YEARS)

The department has rich tradition in teaching and research. The research interest of the faculty members in the department includes the fundamental and recent trends of Electronics and Communication Engineering. The broad areas of research and academic activities in the department are: Communication Systems, Digital Signal Processing, Image Processing, VLSI & Embedded Systems and Microcontrollers. The department has been accredited by National Board of Accreditation.

The department has well equipped curriculum related laboratories, and many state of the art facilities for assisting students such as VLSI, Digital Signal Processing and Image processing.

Integrated courses such as Basic Electrical, Electronics, control systems, Linear integrated circuits are introduced to enhance the practical skills of the student.

HOW WE ARE DIFFERENT

First and second year students are introduced to electronics, covering the key areas like amplifiers and circuits, and providing theoretical and practical understanding.

Third and fourth they go through the core study of communication such as design, digital electronics, fundamentals of electronic engineering, electronic circuits, computer architecture, control systems, VLSI and power electronics etc. In addition Students shall undergo Aptitude, Soft-skill and Computer Technical training and coding by Industry experts.

Students can take up additional programs like Project based Learning (PBL), integrated courses such as Basic Electrical, linear Integrated circuits etc. and can be part of many clubs like Robotics and many others.



PLACEMENT TRAINING

1st year – Training on Communication classes

2nd year – Attitude Training

3rd Year – Training on Core Subjects and Software Programming.

4th Year – Campus Placements and Internships.

B.E - CIVIL ENGINEERING (4 YEARS)

Civil engineers form the backbone of the country and are responsible for development in many spheres. For a developing country like India, we need talented civil engineers, who are committed to their goals and serve the country. They are greatly responsible for the rapid development that occurred in the past decade. Be it bridges, dams, highways or other structures, they have gone full throttle in catapulting the country from obscurity to an imposing economy with great infrastructure. Without proper infrastructure, modern technology is a waste and they definitely deserve credit for putting the country on the map. The Civil Engineering department is constantly striving to train and motivate the students. Our Civil Engineering department has an excellent faculty that provides research guidance, professional consultancy and manpower training through partnership with the infrastructure industry. Besides imparting knowledge through superior teaching and instruction, they are involved in applied research by tie ups with various R&D projects and consultancy services

HOW WE ARE DIFFERENT

One complete semester will be dedicated for live projects of our sister Concern NCC Ltd, which are spread across India. Students will be mapped by the area of interest and their location preferences Eg. metrorail - works, hospitals, bridges, etc.

Students are actively encouraged to take up consultancy work of live projects.



HOW WE TRAIN FOR PLACEMENTS

We encourage our students to attend placements only after their 6 month internship on a live project.

We organize symposium of major infra structure and real estate companies to do a pool- campus drive.

Talks are given by industry experts about sticking on to the core discipline.

Communication and technical training along with mock interviews would be conducted before placements.

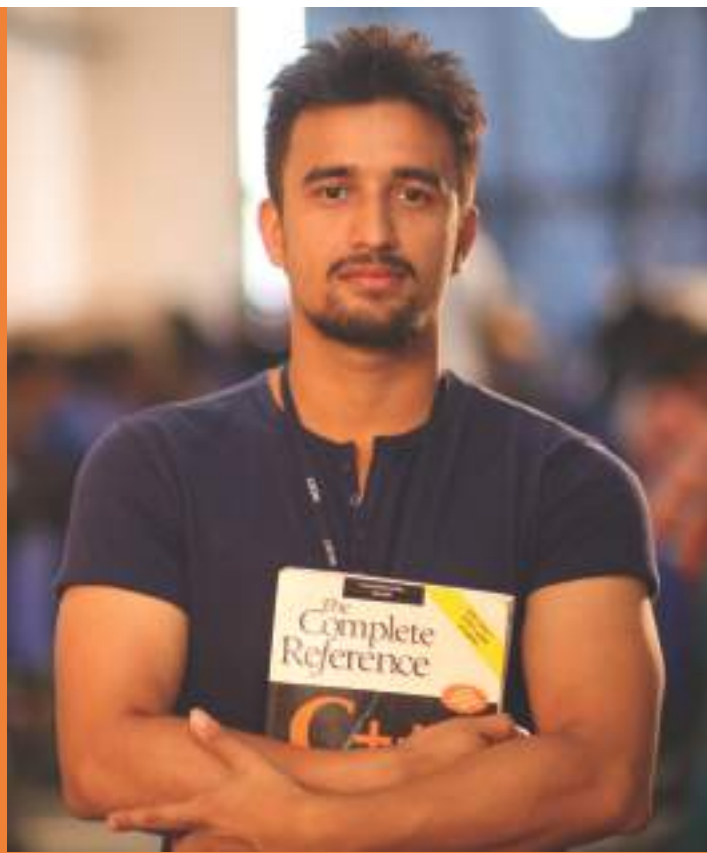
RESEARCH & DEVELOPMENT

OBJECTIVE

To enhance research activities with the support of students and faculty. - enhance research activities by utilizing the expertise of the Ph.D holders - drive Ph.D scholars to progress quality research and to publish research articles in reputed international journals and initiate innovation among students.

KEY RESEARCH STRENGTHS

Our research is established in emerging areas and multiple fields including water, environment, energy, computer science and engineering sciences. Our expertise and strength attract various research funders and partners including government, industry and private builders.



ACHIEVEMENTS

EXTERNAL FUNDING

Software framework for hosting APL/modules for Artificial Intelligence, Heterogeneous Parallel Computing and Device Drivers for various scientific equipments in ex-planetary vehicles to the end/remote user, funded by Respond project form ISRO : Rs.16,98,000/-

Study on the corrosion behavior of marine engine alloy using C263 for high temperature sulfidation, funded by DRDO, GATET : 9,75,000/-

Low Power Model Predictive Control (MPC) IP core for system on chip, funded by VTU Research : 4,25,000

Development and Evaluation of Solar and Geo Thermal based Cooling and Refrigeration Systems, funded by Karnataka State Council for Science and Technology (KSCST):Rs.10,00,000/-

Design and Engineering of a Small Satellite-CANSAT, funded by Institute of Engineers + VTU :Rs.1,00,000/-

Experimental Study of Storage and Oxidation Stability of Bio Diesel, funded by VTU : Rs.45,000/-

Development of Solar Powered Thermo acoustic Refrigeration System, funded by VGST : Rs.40,000/-

Pradhan Mantri Kaushal Vikas Yojana(PMKVY) : 6 areas
Karnataka State Council for Science and Technology (KSCST) projects : 8 projects

CONSULTANCY



Testing of steel reinforcement as per IS 1786 from M/s SBG Software Private Limited, Lakeview Building, 8th Floor, A Block, Bagmane Tech Park, C.V. Raman Nagar, Bangalore 560093.

Testing of steel reinforcement as per IS 1786 from M/s Bagmane Developers Pvt. Ltd., Lakeview Building, 8th Floor, A Block, Bagmane Tech Park, C.V. Raman Nagar, Bangalore 560093.

Waterproofing assessment works at Bagmane constellation business park; sub-project: Phoenix up-gradation.

Durability Test for concrete specimen, from M/s New Consolidated Construction Co. Ltd, #31,5th Floor, "RANKA CHAMBERS". Cunningham Road, Bangalore 560052, Karnataka, India.

Technical Services - Vibration Test at Moonstone at Bagmane World Technology Center - SEZ, Outer Ring Road, Bangalore.

Rebar corrosion assessment on the lower basement concrete at expansion joint in Tridib Building, Bagmane Tech Park, CV Raman Nagar, Bangalore.

PATENTS FILED

An improved power generation unit useful for residential requirement suitable to install in septic tank Application No. 201841025132.

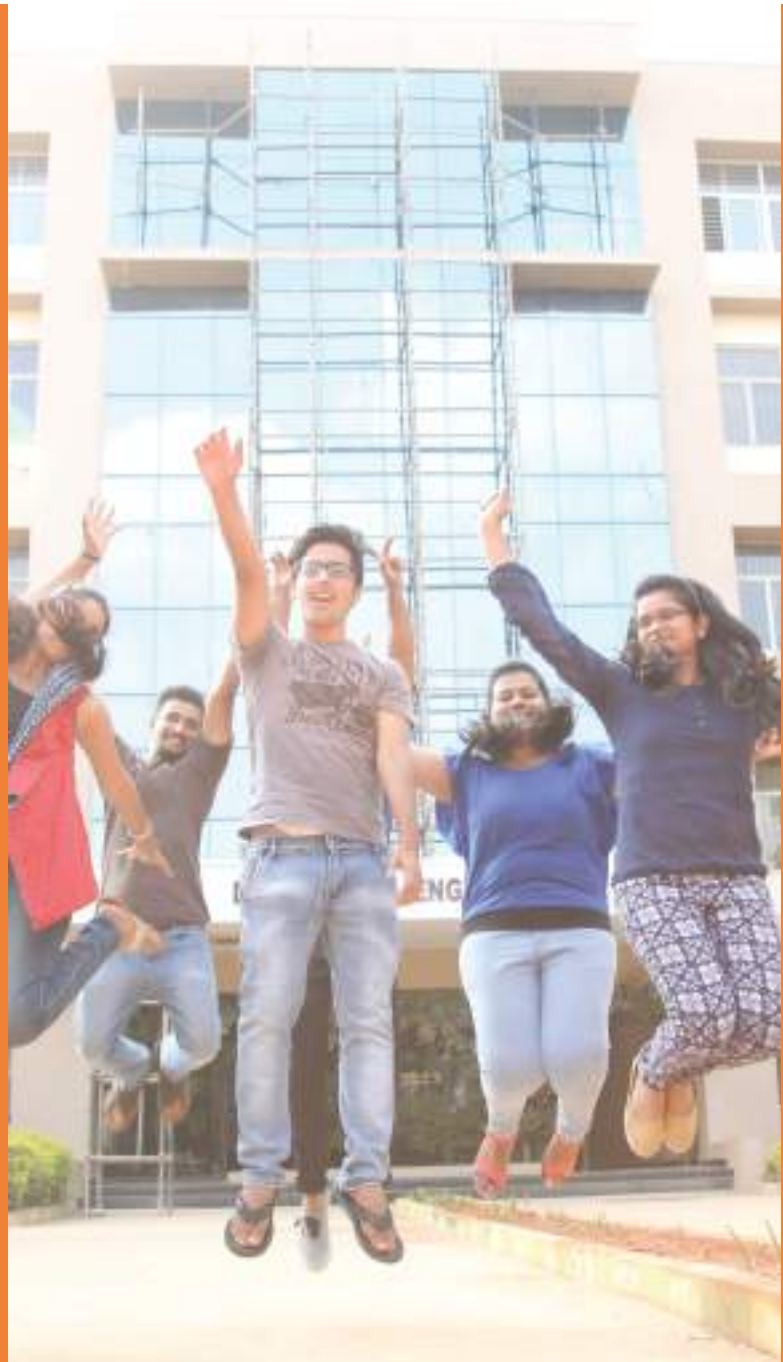
An apparatus and method for crossing between one side of railway platform and another side of railway platform, Application No. 201841007653.

An improved super plasticizer formulation for concrete mixing based on amino carboxylic compound Application No. 201741023300.

PLACEMENT & TRAINING

Nagarjuna Group of Institutes (NGI) provide Placement not only for our students but to the surrounding colleges by acting as a host and inviting students from the neighbouring colleges.

To make our student industry ready. They are trained in aspects like...



Dress Code for Boys and Girls

Resume writing skills

Group discussion

Mock Interview

Domain knowledge

Presentation skills

Body language

Interview skills & Time Management

Attitude & Aptitude

Problem Solving skills

Language training & Pre placement talks

Negotiation skills & Technical skills

Industry related Training



CLUBS

Apart from academics, there are many informal clubs in the college that are actively involved in various activities both inside and outside the campus. be it afforestation, dance, music or even asocial cause, we motivate them to further their cause by whatever means possible.

- IEEE student branch
- ISTE Students' Chapter
- ISHRAE Students' Chapter
- CSI Student Chapter
- Departmental forums
- Entrepreneurship Development Cell
- Aero Modelling Club
- Robotic Club x
- Coding Club
- Photographic Club / Movie Club
- Toastmasters Club
- Art club
- NSS
- Eco Club
- Music Club / Dance Club
- Chess Club
- Cultural Club / Fashion Club
- Green Club
- Alumni Association

SRINAGI SRI RANGI CONDUR UN

NAGARJUNA PU-COLLEGE YELAHANKA BY SCIENCE STREAM

Day Scholar

Physics, Chemistry, Mathematics, Biology (PCMB)

Physics, Chemistry, Mathematics, Computer Science (PCMC)

Physics, Chemistry, Mathematics, Electronics (PCME)

Physics, Chemistry, Biology, Home Science (PCBH)

PUC + K-CET

PCMB/PCMC/PCME

PUC + JEE (MAIN/ADVANCED)

PCMC/PCME/PCMB

PUC + NEET (PRE-MEDICAL)

PCMB/PCBH

SEMI RESIDENTIAL

COURSES: PCMB/PCMC/PCME/PCBH

COMMERCE STREAM:

Economics, Business Studies, Accountancy, Computer Science (CEBA)

Statistics, Business Studies, Accountancy, Computer Science (SBAC)

Statistics, Economics, Business Studies, Accountancy (SEBA)

Mathematics, Statistics, Business Studies, Accountancy (MSBA)

History, Economics, Business Studies, Accountancy (HEBA)

College Timings: 7:45 AM To 3:00 PM

NPUC - CHIKKABALLAPUR CAMPUS COURSES OFFERED

SCIENCE STREAM (RESIDENTIAL)

Physics, Chemistry, Mathematics, Biology

Physics, Chemistry, Mathematics, Computer Science

COMMERCE STREAM (DAY SCHOLAR)

Economics, Business Studies, Accountancy, Computer Science

History, Economics, Business Studies, Accountancy

PROUD MOMENTS



International Conference on
"Innovation & Emerging Trends
in Mechanical Engineering"



Academic collaboration
with Sri Sathya Sai Institute
of Higher Learning, Puttaparthi



Department of Mechanical
Engineering in association
with ISHRAE organized HVAC
Quiz 2019-National level quiz
quarter finals.



Er. Sunil R K., Delivered
a talk on "Retrofitting" and
Rehabilitation of structures &
Engineers Day Celebration



Jobmela-2019 Inauguration



Department of Mechanical
Engineering in association with
ISHRAE organized Technical fest
"SPARKO FIESTA" on 23.03.2019.

PROUD MOMENTS



Dandiya Nights
2019 in Hostel



Hosting the honorable
members of AICTE and
global members of the
annual Mother's meet



Dr. S G Gopala Krishna,
Director, NES and
Dr. Srikanta Murthy
K, Principal, NCET at
the award ceremony
of India Rankings 2019
at Vigyan Bhavan,
New Delhi on 08.04.2019.



Graduation Day



Scinova 2019: A state level
science fest conducted for
the pre university students to
exhibit their talent of articulating
scientific ideas and demonstrate
their passion for modern
technology in the form of
eye-capturing project exhibitions.



Kannada Rajyotsava
celebration with the
honourable guest,
RAVI D.
Channannavar, IPS

OUR EMPLOYERS

COMPANIES WHERE OUR STUDENTS WERE PLACED



jaro education®



NTT DATA
Trusted Global Innovator



THOUGHTFOCUS



Cognizant

Infosys



Atos | Syntel



NCC






Tech Mahindra



Hashedin



SOME OF OUR STUDENTS PURSUING MASTER'S DEGREE, ABROAD

Name	Country	University
Ravikiran	 USA	University of Alabama, Huntsville
Chandrakanth	 USA	San Jose State University, California
Madipatti Manikanta	 USA	New Jersey University, New York
Ram Kumar	 USA	Arizona State University, Tempe
Akriti Rao	 USA	Cleveland State University, Ohio
Likhith M	 USA	University of Michigan
Harish N	 Canada	University of Alberta, Edmonton
avan Shastry	 Canada	University of Ottawa
Shankar Pangen	 Australia	Charls Sturt University, Sydney
Bharath Y S	 Australia	Swinburne University, Melbourne
Priyanka N	 Germany	TU Chemnitz, Saxony
Shreyas M	 Poland	Warsaw University
Shilpa S	 Taiwan	National Tsing Hua University

Kishan K

Senior Project Manager, NCC'

I have spent 4 glorious years in NCET campus. It has great infrastructure & we have students from all over India now I'm working with NCC Groups.

Evgene Ross

Team Collabera (IBM Partners)

It was indeed an immense pleasure interacting with the students today, the interaction was lively & informative for both the students and teachers.

Pretham

Sr. Software Engineer, Shutterly (inc), USA

NCET provides an excellent academic training blended with co-curricular & extra-curricular activities. I got very good knowledge & guidance because of which I'm in a reputed company.

It was indeed an immense pleasure interacting with the students today, the interaction was lively & informative for both the students and teachers.

Evgene Ross
Team Collabera (IBM Partners)



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