

Brochure 2017-18



NAGARJUNA

COLLEGE OF ENGINEERING & TECHNOLOGY



NAGARJUNA
EDUCATION SOCIETY

Ignite Possibilities



Chairman's Message

Nagarjuna College of Engineering & Technology has been a forerunner in recognising the needs of the industry and integrating knowledge with professional inputs. Our college is one of the eminent Higher Education Institutions today, and it is renowned through standards of its facilities, students and alumni. By maintaining a team of core faculty members, who are the frontiers of knowledge, we ensure a futuristic approach that keep pace with the changing trends in professional requirements with its global perspective.

Our primary commitment is to find the true potential of our students and equip them for the future, by providing them with the necessary skills, knowledge, and values. We achieve this goal through our unrelenting efforts to enhance Quality in Education, Research, and Diversity in our campus. I consider it a great opportunity, privilege, and an honour to lead such a progressive educational establishment.

I am positive that the pages that follow will help you to take the right path. We look forward to welcome you to Nagarjuna College of Engineering & Technology, to help you to shape your future, to turn your dreams into reality and to face the challenges ahead.

J.V. Ranga Raju

Director, Nagarjuna Construction Company & Secretary, Nagarjuna Education Society

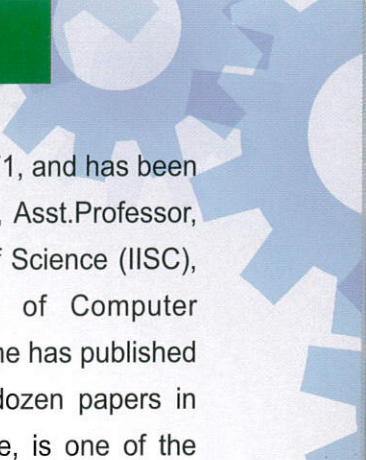

Our Vision

Leadership and Excellence in education

Our Mission

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





He secured his masters degree, topped in SREC (presently NITK), Surathkal in 1971, and has been serving the educational institutions for 25 years in various capacities as lecturer, Asst.Professor, Professor and Principal. Dr.Deshikachar obtained his Ph.D from Indian Institute of Science (IISC), Bangalore. He has also served as Professor and Head, Department of Computer Science & Engineering at JNNCE, Shimoga and VIT, Bangalore. During his career he has published over 15 research papers in international journals and have presented over a dozen papers in international conferences. His experiences as a leading educationist in the State, is one of the biggest assests of our institution.

Dr. K.S. Deshikachar

**Director,
Nagarjuna Education Society**

He is a very dynamic person with strong academic and administrative experience. His vision is to make NCET as one of the top institutions in Bangalore and to introduce best practices in the teaching and learning process. He is having 29 years of teaching experience out of which he has served as Principal for more than 15 years in various engineering colleges in Karnataka. He graduated in Mechanical Engineering and completed his post graduation in Engineering Management from Mysore University. He completed his Ph.D from Mangalore University in the area of "Supply Chain Management". He is guiding Ph.D students for their research in Visvesvaraya Technological University. He has served as member of Senate, Academic Council Mangalore University and visited NITK Surathkal as the member of Local Inspection Committee. He is the member of Governing Council for various engineering colleges.

Dr. S. G. Gopala Krishna,

**Principal,
Nagarjuna College of Engineering & Technology**





A Bright Future

A 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 is rendered in its identity, expression and commitment towards to leadership and excellence in education.

The depiction is of imparting knowledge, blending human values and academic professionalism. The leaves of the tree in the logo represent the various streams, the institution offers and disseminates for the growth of the student.

The vibrant colours of the open book, represents the positive attitude and the confidence of the student seeking knowledge and skill in pursuit of exploring the unexplored. The font and style depicts the clear and focused approach which is sincere and committed.



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

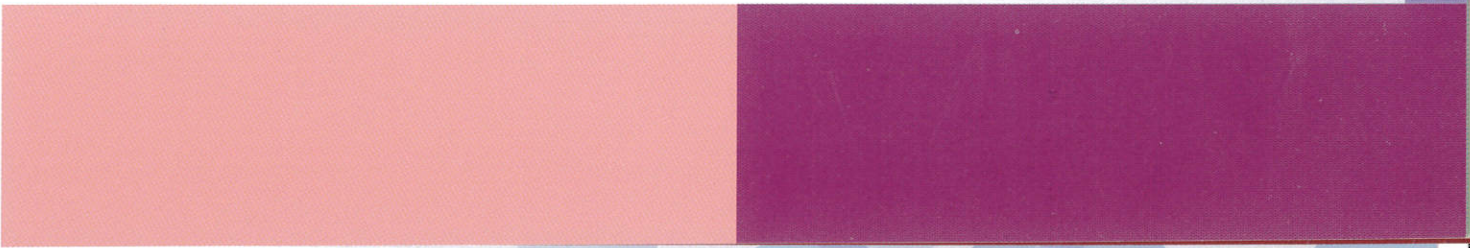
These institutions include, Nagarjuna Vidyaniketan, Nagarjuna Pre-University College, and Nagarjuna College of Engineering and Technology. Year after year, these institutions that are well-known for their academic professionalism and strong value system, are actualizing the Society's Vision by discovering and developing thousands of young minds' potentials to their perfection.


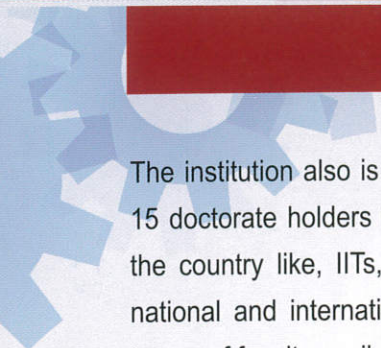
NES enjoys the patronage of Nagarjuna Construction Company, which is India's fastest growing construction company, and second largest in terms of turnover, according to Construction World - NICMAR. It's also the only construction company from India that found its place in the Forbes Asia list of 'Best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

Ignite Excellence

Set amidst 100 acres of sprawling greenery, Nagarjuna College of Engineering & Technology (NCET) has one of the largest technical education campuses in Bengaluru, and is home to world-class academic facilities. Approved by AICTE, Accredited by NBA and affiliated with Visvesvaraya Technological University, the institution is one among the top ranked in the University, and is ISO 9001-2000 Certified.

The NCET Campus is designed to be a self-sufficient campus with all the necessary infrastructure for 2000 residents. These include, modern hostel facilities, Wi-Fi connectivity, fully equipped gym, and a soon to be completed shopping complex among other residential and recreational facilities.





The institution also is home to some of the best academicians in technical education. It has more than 15 doctorate holders in its team of faculty, of which most of them are alumni of the best institutions in the country like, IITs, IISc, and RECs. many of them have presented numerous technical papers in national and international journals. With all confidence, NCET can claim that it has one of the best teams of faculty available, who are primarily responsible for the brilliant academic record of the institution.

NCET also has one of the most efficient industry-institution tie-ups. This makes the excellent academic education aligned perfectly with industry standards and demands. That's the reason, why the graduates from the institution are not just students with brilliant academic record, but industry-ready, thoroughbred professionals.

Ignite Your Mind

The NCET Standard Facilities

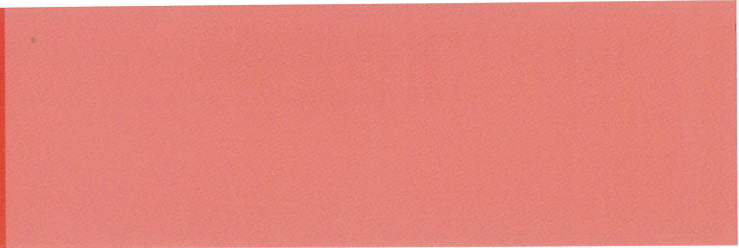
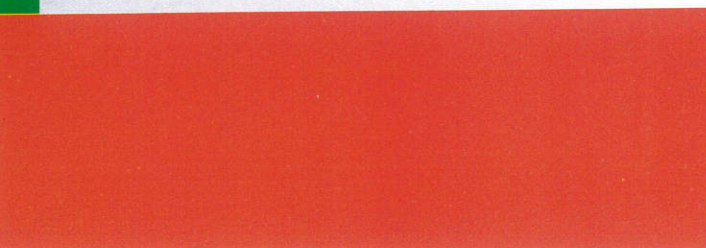
Nagarjuna College of Engineering & Technology campus is equipped with world-class facilities that create a pleasant and peaceful living, and an environment that is conducive to academic excellence. These academic, residential, and extracurricular facilities include:

Infrastructure

NCET has one of the best educational infrastructures available, with 4,00,000 sq.ft of built-up area, that includes spacious, well-lit and well-ventilated classrooms, fully equipped laboratories and workshops, ultra-modern seminar halls and a Hi-Fi Audio Visual room.

Faculty & Industry Tie-ups

the institution boasts of highly motivated and resourceful team of faculty which includes more than 15 Ph.d holders. With their extensive industry and academic experience, our faculty acts as student advisors than a teaching staff. This is complemented with frequent events and interactions with industry leaders, faculty members.





Hostels

International standard accommodation facilities are provided separately for boys & girls of the student community, along with residential facilities for the faculty. The Hostel has well equipped Mess & Ultra Modern Kitchen which provides unmatched hygiene & quality food. It also has a very spacious canteen "HUB" which is the place for interaction among the students.

Wi-Fi Connectivity

The entire campus is connected Wi-Fi, to ensure that accessibility to any part of the globe is within a click of a button.



Library

Library has 2,00,000 sq.ft. of built-up area with over 1 lakh books that are required for reference and circulation, 300 national and international journals, and periodicals to keep the students up-to-date with the technological advancements around the world.

The college has subscribed to e-journals such as IEEE, ASME, ASCE, J-Gate Engg & Mgmt, Elsevier, M/C Grow Hill, EBSCO & ASTM-Digital Library.



Facilities

A playground area of over 10 acres is available for outdoor games like Cricket, Basketball, Football, and Tennis. This is complemented with a sports complex that has facilities for sports and games.

Transport

The college has its own fleet of buses to connect the campus to the various parts of the city.

Health Clinic

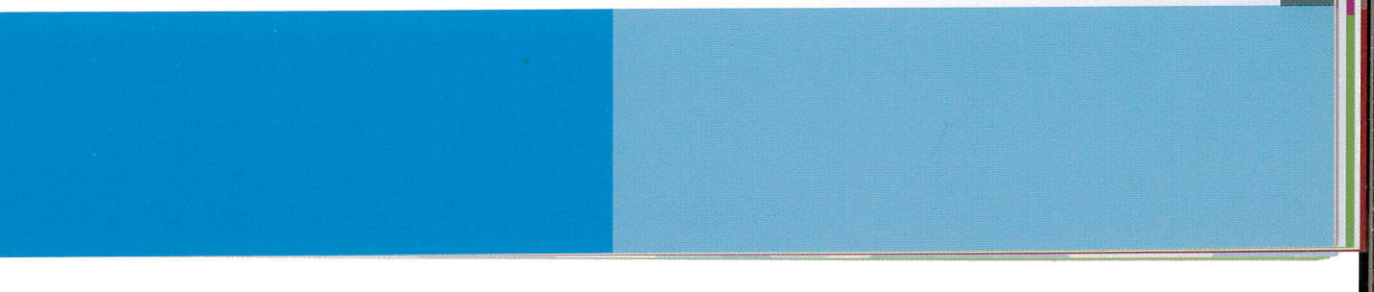
The campus is equipped with a health clinic, which is managed by trained medical professionals.

Travel Desk

The College has its own travel desk to assist students for Bus, Rail and Air ticketing

Bank Facilities

The institution has tie-ups with major nationalized banks, and international banks. Axis Bank & Corporation Bank ATM facilities are provided in the campus.





Ignite Your Skills

Courses offered in Engineering & Technology

Electronics & Communication Engineering

Department of Electronics and Communication Engineering aims to be a center for excellence by acting as a facilitator for knowledge generation and dissemination through research to produce professionals, and by institute-industry and institute-institute interaction. The Department has well-equipped labs to provide hands on experience on every theory taught in the classroom. The Department has brilliant and dedicated engineers, who have set benchmarks and proved themselves to be capable leaders in the ever evolving industry.

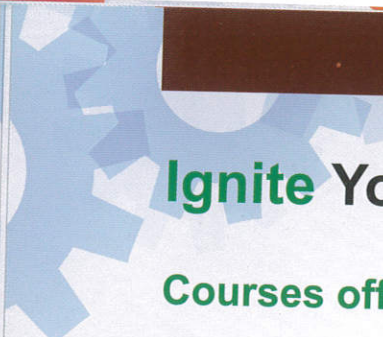
Facilities:

Well-equipped and supervised laboratories, including:

- Analog Electronics Lab
- Digital Electronics Lab
- Microprocessor Lab
- Power Electronics
- Advanced Microprocessor Lab
- VHDL Lab
- CCN & DSP Lab
- Microcontroller & VLSI Lab
- Computer Lab







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- Microcontroller & VLSI Lab
- Computer Lab





Computer Science & Engineering

The goal of the Department is to be outstanding in every aspect of its function, sustain excellence in teaching and research, and provide a broader educational experience. The experienced faculty members expose the would be computer engineers to a rigorous and exhaustive curriculum designed to bring out the best in them, and to keep them in touch with the latest technologies. Besides imparting theoretical knowledge, a lot of stress is laid on training and overall development of the individual personality with the help of regular institution-industry interaction.

Facilities:

Well-equipped and supervised laboratories, including:

- 700 high-end computers
- Local Area Networking
- 12 Mbps Internet Connectivity
- Latest Software

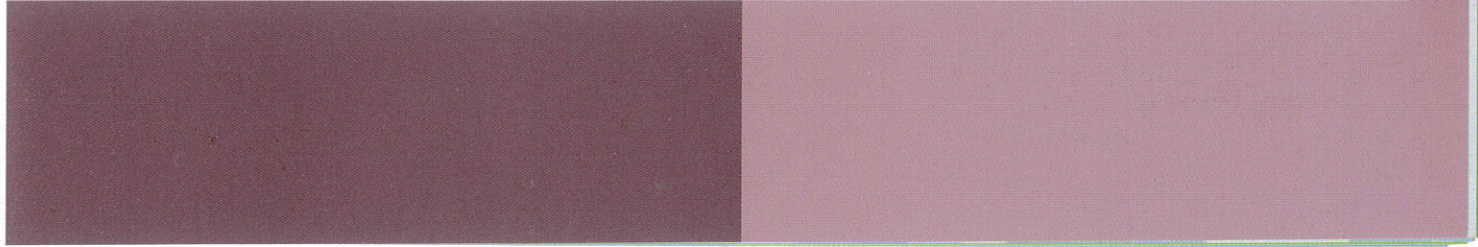
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- Wi-Fi connectivity
 - Web Lab
 - Computer Graphics Lab
 - Network Lab
 - Database Lab
 - Data Structure Lab

Information Science & Engineering

The Department was started with the aim of providing technical excellence and core competence for the new generation to excel in the field of Information Technology. The main objective of the Department is to produce quality engineers with an applied orientation and global perspective, who can make immediate contributions as professional programmers and design engineers. The Department works in tandem with industry leaders, with the constant efforts from the well-experienced team of faculty members.

Facilities:

Well-equipped and supervised laboratories, including:

- Algorithms Laboratory
 - System Software Lab
 - Internet Connectivity
 - Latest Software
 - Electronics CKT Lab
 - Wi-Fi connectivity
 - Training Software
 - Web programming Lab
 - File Structures Lab
- 



Mechanical Engineering

The Department of Mechanical Engineering offers a richly integrated curriculum of education and research exposure to its students. Experimental and computational facilities are being continuously upgraded. The Department has a resourceful team of faculty that mostly consists of PG holders. Faculty members regularly attend technical workshops and seminars organized by various technical institutes, and many of them have presented papers at national level seminars. Regular industrial visits and expert lectures by eminent professionals from industry and academic like IISC.

Facilities:

Well-equipped and supervised laboratories, including:

- Material Testing lab
- Foundry & Forging Lab
- Metrology & Measurements Lab
- Machine Shop
- CAD/CAM Lab
- Energy Conversion Lab
- Fluid Machinery Lab
- Heat & Mass Transfer Lab
- Design Lab
- CAED & CAMD Lab
- RED Center
- Student Chapters
- Project Lab
- ISHRAE
- Institution of Engineers



Civil Engineering

The Department of Civil Engineering has the goal of offering world-class education, research guidance, professional consultancy, and manpower training through leadership in Civil Engineering. The Department of Civil Engineering has developed strong links with the infrastructure industry. Besides imparting knowledge through superior teaching and instruction, the Department is actively involved in basic and applied research, and consultancy to provide high quality technical advisory support with various R&D projects, and consultancy services.

Facilities:

Well-equipped and supervised laboratories, including:

- Material Testing lab
- Surveying Practice Lab
- Applied Engineering Lab
- Hydraulics & Hydraulic Machinery Lab
- CAD Lab
- Geo-technical Lab
- Environment Engineering Lab
- Concrete & Highway Lab



Ignite Your Career

Training & Placement Cell is functioning to provide all possible assistance to students in their efforts to find employment, and also to cater to the needs of various organizations in conducting campus interviews for placements. It is coordinated by a senior faculty designated as Placement Coordinator, and is assisted by Student Placement Coordinators.

Training & Placement Cell ensures and takes care to provide the best arrangements and hospitality for the visiting officials. It provides all facilities for Audio-Visual presentations, Written Test, Group Discussion and Interviews. It plays a very important and key role in counseling and guiding the students of the Institution for their successful career placement, which is a crucial interface between the stages of completion of academic programme of the students and their entry into the suitable employment.

Many reputed national and multinational companies visit our campus for recruitment annually. Most of our students secure job offers before they complete their course. The computerization of the activities of the Training & Placement Cell is under consideration for easy and effective communication.

The Training & Placement Cell operates around the year to train the students and to facilitate contacts between potential employers. The benefits of the cell are reflected in the students, who have successfully secured lucrative job offers in prestigious organizations in the previous years.

Some of the organizations those absorbed graduates from our institution:



NCET Admission Procedure

NCET has crafted the vision to be among the Top Engineering Colleges. The Admission to NCET I also governed by its vision, and hence on the highly motivated students who have a passion for excellence are welcomed at NCET.

We strongly believe in a system based on merit and hence admission is done mainly through CET and Comed-K Entrance Test. Foreign students, and students under management quota are enrolled as per the norms set by VTU. Candidates seeking admission are advised to carefully read and understand the conditions, governing the admissions. The full document is available to download at www.nagarjunaeducation.com

Admission Requirements

All candidates must have completed and passed 10+2, or equivalent examination with a minimum of 45% aggregate marks with Physics and Mathematics as compulsory subjects and any one of Chemistry, Biology, BioTechnology, Computer Science and Electronics.



List of Documents to be submitted along with the Application

- Copy of the marks/grade sheets of 12th/Equivalent Application
- Copy of the 10th Std marks sheets
- Copy of Transfer Certificate or school leaving certificate
- Copy of Conduct Certificate issued by the school.
- Copy of Passport - in the case of Foreign/NRI candidates
- 10 passport size photographs

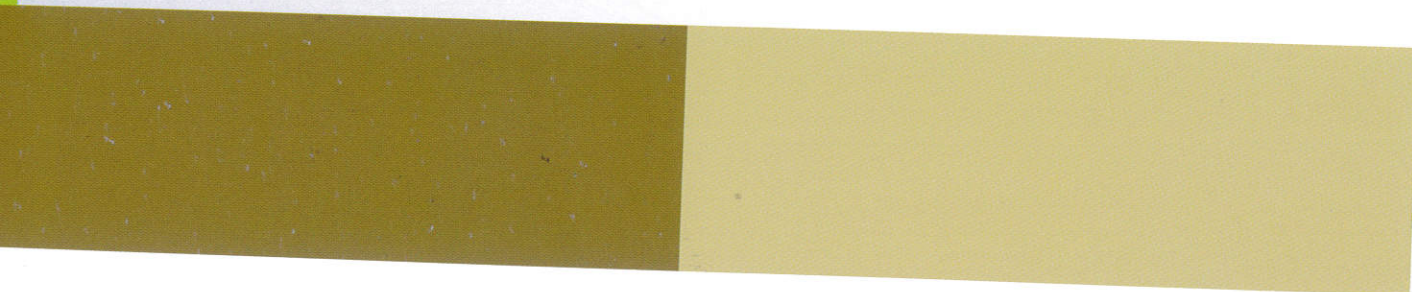
N.N. All the photocopies of the documents submitted should be duly attested by the issuing authority or the head of the school/institution. Originals of all the documents should be produced at the time of admissions, without which the candidate may face disqualification.

How to Apply

Application forms can be obtained either directly from the college office, or can be downloaded from the website: www.nagarjunaeducation.com

NCET Post Graduation Programme

Nagarjuna College of Engineering & Technology also offers Master Programme in

- Two years of MBA with specialization in Human Resource Management, Finance and Marketing
 - M.Tech in VLSI Design and Embedded Systems
 - M.Tech in Machine Design
 - M.Tech in Structural Engineering
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Research Departments

Electronics & Communication Engg

Civil Engg

Bio Technology

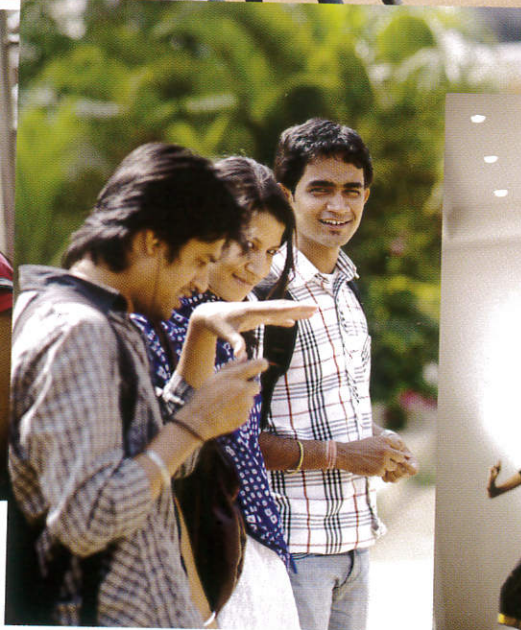
Mechanical Eng

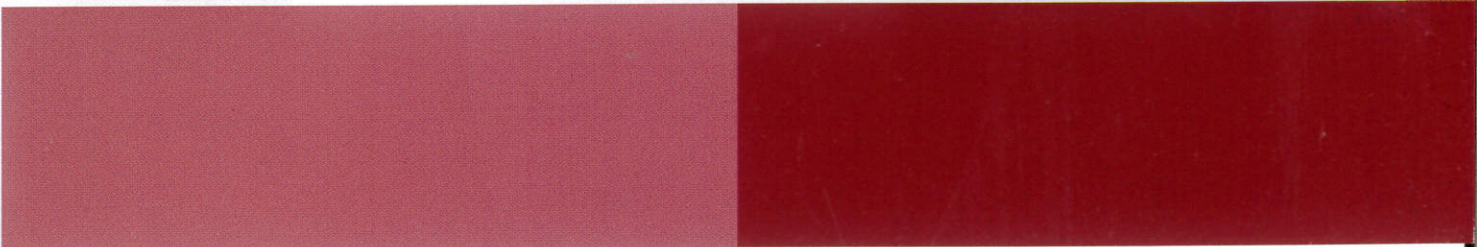
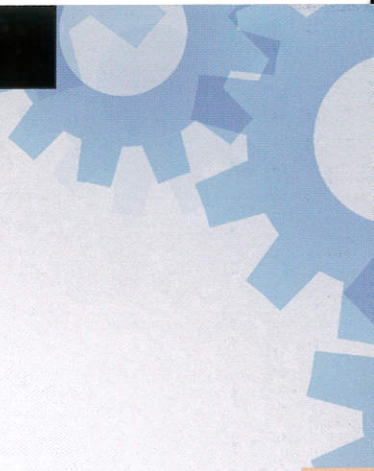
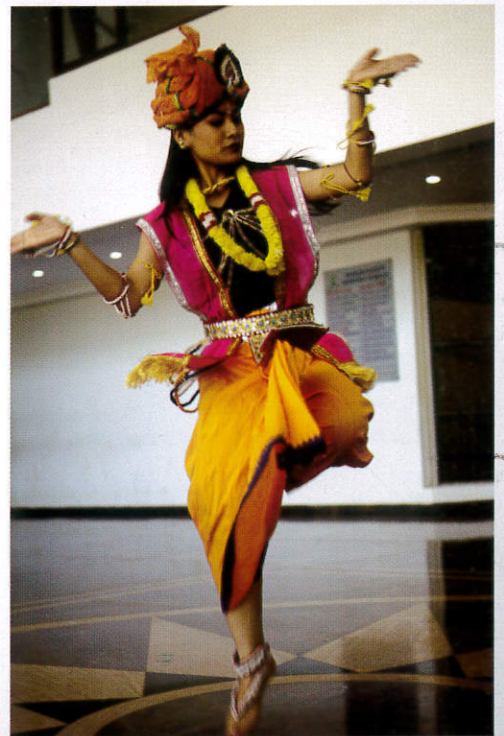
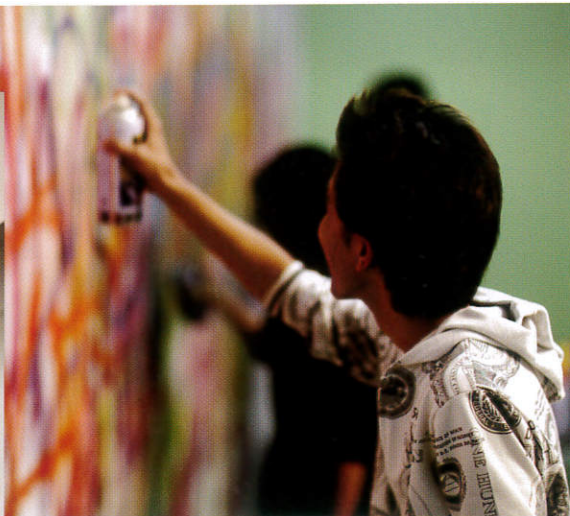
Physics

MBA

The College has collaboration with leading industries and Research organization.

Our students are a part of STUDDSTAT-2 (student satellite launching programme) which is being developed by ISRO.







NAGARJUNA

COLLEGE OF ENGINEERING & TECHNOLOGY

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