



योग: कर्मसु कौशलम्

EXCELLENCE IN KARMA



# VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY VNIT

NAGPUR, MAHARASHTRA STATE, INDIA

## Vision

To contribute effectively to the national endeavour of producing quality human resource of world class standard by developing a sustainable technical education system to meet the changing technological needs of the country incorporating relevant social concerns and to build an environment

to create and propagate innovative technologies for the economic development of the Nation.

## Mission

The mission of VNIT is to achieve high standards of excellence in generating and propagating knowledge in engineering and allied disciplines. VNIT is committed to providing an education that combines rigorous academics with joy of discovery. The Institute encourages its community to engage in a dialogue with society to be able to effectively contribute for the betterment of humankind.

Prof. Narendra S. Chaudhari  
Director

Visvesvaraya National  
Institute of Technology (VNIT)

Nagpur, Maharashtra State, India - 440010

Phone : +91-712-2801363, 2801370

Fax : +91-712-2223969, 2223230

email : [director@vnit.ac.in](mailto:director@vnit.ac.in)

web : [www.vnit.ac.in](http://www.vnit.ac.in)





### About VNIT

Visvesvaraya National Institute of Technology (VNIT) is one of the thirty National Institutes of Technology in the country. Since its inception, this institute has grown many folds and has established itself as one of the best technical educational institutes. At present, the institute has about 3500 undergraduate, 400 post-graduate students and 450 Ph.D scholars. It offers under-graduate programs (B.Tech.) in eight disciplines of Engineering, one architecture program (B.Arch.) and post-graduate programs (M.Tech./M.Sc.) in twenty one streams. Under-graduate students are selected through JEE and post-graduate students are selected through GATE. The institute also has Ph.D. program in various streams of engineering and science. VNIT is also involved in numerous R&D activities; funded through various government and private agencies. The institute has good testing and consultancy facilities, which contribute to revenue generation.

Earlier, the institute was known as Visvesvaraya Regional College of Engineering (VRCE). It was established in the year 1960 under the scheme sponsored by Govt. of India and Govt. of Maharashtra. In the year 2002, along with the other Regional Engineering Colleges, this college was offered the status of Deemed University and was converted into National Institute of Technology with full autonomy and was brought under the umbrella of MHRD, Govt. of India. Subsequently, VNIT has been recognized as an Institute of National Importance through an Act of Parliament, namely, National Institute of Technology Act, 2007 (Act 29 of 2007).

VNIT has made a very rapid growth in the recent past in terms of starting new academic programs, revision of academic curriculum, development of laboratories and infrastructure. The under-graduate and post-graduate programs have been made credit based and a large number of electives are offered to the students. At present, VNIT has faculty strength of 232.

VNIT is uniquely placed to contribute significantly to the quality of technical manpower to maintain and enhance the national technological pre-eminence by;

- Incorporating current and significant international trends in technology developments in "educational experience" of its graduates.

- Involvement of industry leaders, R & D Managers in the formulation of academic programmes, identification

- Initiating new product design and process innovation competition with attractive sponsorship and rewards.
- Access to industry expertise through "guest lectures", jointly supervised projects, exchange of high quality testing and certification facilities.
- Offering continuing education programmes in emerging areas for senior managers and policy makers from industry and user departments.

Apart from imparting professional education at undergraduate, postgraduate and Ph.D. levels. The institute has been extending available expertise to various Govt. / Semi- Govt. organizations. Primary objective of the institute is to provide advanced technological skills & expertise to enhance teaching, academic and research activities. Greater emphasis is also being placed on revenue generation through utilisation of facilities for providing services to the industries on commercial basis.

VNIT has a beautiful green campus of about 214 acres near Ambazari Dam. All departments & laboratories are housed on the campus. Hostels accommodating about 2800 students, including 900 girl students, as well as residential accommodation for teaching & non-teaching staff of the college are available on the campus.

### About Nagpur

Located in the central part of India, the hallmark of this orange city is the Zero Mile pillar, which represents the geographical centre of India. Nagpur is well connected by rail, road, and air with major cities of India. The North-South National Highway (NH 7) and East-West National Highway (NH 6) cross at Nagpur. Likewise, the Mumbai-Kolkata and Chennai-Delhi rail routes cross at Nagpur. Nagpur enjoys mild tropical weather throughout the year, with three months summer exception. The National Environmental Engineering Research Institute (NEERI) and the National Disaster Management Institute are also located at Nagpur. The last decade has seen a very rapid industrialisation in and around Nagpur. The Multimodal-International-Hub-At-Nagpur (MIHAN) in Nagpur. The other important organizations at Nagpur are Jawaharlal Nehru Aluminum Research Design & Development Centre (JNARDDC), Mangnese Ore India Ltd. (MOIL), Western Coalfields Ltd. (WCL), Ordnance Factory, IndoRama, NECO, and ISPAT.

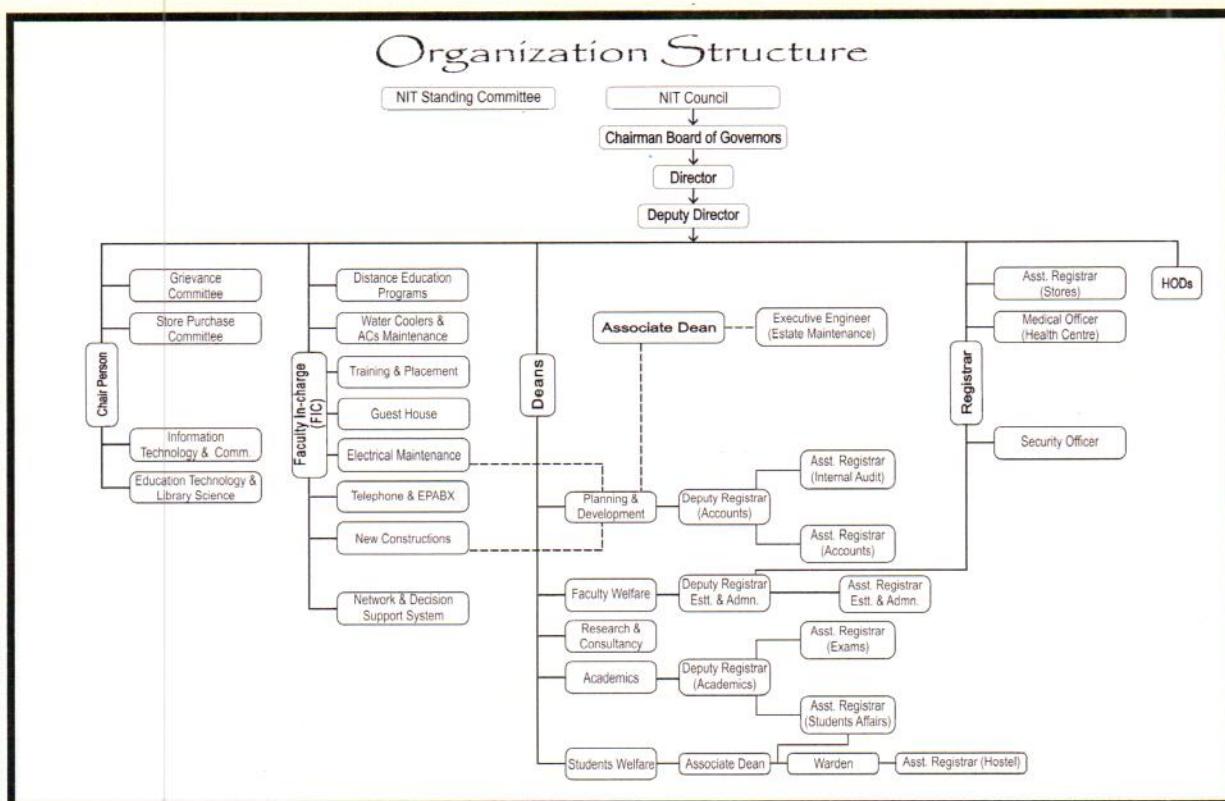


## Governance

VNIT is governed by an autonomous Board of Governors having representatives of the Government of India, Government of Maharashtra, AICTE, UGC, teaching faculty, industrialists and technologists. The Chairman is nominated by the MHRD, Government of India. Currently, Shri Vishram Jamdar, an eminent industrialist is the Chairman, Board of Governors. The Director of the institute is the Member of the Board and Registrar of the institute is Secretary. The Senate, Finance Committee and Building and Works Committee are the statutory committees of the Institute.

## BoG Members

- Shri. Vishram Jamdar, Chairman
- Prof. Narendra Chaudhari, Director, Member
- Prof. S.C. Sahastrabudhe, Member
- Prof. U.N. Gaitonde, Member
- Shri. Rajesh Singh, Director IFT, Member
- Shri. Sanjeev Sharma, Member
- Dr. Mrs. J. Roy, Member
- Prof. L.M. Gupta, Member
- Prof. J.D. Ekhe, Member
- Prof. Rajendra Yerpude, Registrar, Secretary



## Administration

Shri. Vishram Jamdar, Chairman, BoG  
 Dr. Narendra S. Chaudhari, Director  
 Dr. S.R. Sathe, Dean, Planning & Finance  
 Dr. O.R. Jaiswal, Dean, Academics  
 Dr. P.M. Padole, Dean, Faculty Welfare  
 Dr. H.M. Suryawanshi, Dean, Research & Consultancy  
 Dr. G.P. Singh, Dean, Students Welfare

## Academic Departments

- Applied Mechanics
- Architecture
- Chemical Engineering
- Chemistry
- Civil Engineering
- Computer Science & Engineering
- Electrical Engineering
- Electronics & Communication Engineering
- Humanities
- Mathematics
- Mechanical Engineering
- Metallurgical & Materials Engineering
- Mining Engineering
- Physics
- Centre for VLSI and Nanotechnology

## Academics

- Full academic autonomy
- Academic curriculum devised by Board of Studies of each department
- Academic programs monitored by the Senate
- Credit based under-graduate and graduate programs
- Transparent academic evaluation
- "Student Mentor Program (SMP)" has been started from Aug.-13
- Student feedback system in place
- Open elective courses for interdisciplinary exposure
- Slot-wise time table
- Summer term introduced to avoid loss of academic year





### Academic Programs

The institute offers Under-Graduate and Post-Graduate programs in engineering disciplines. Institute also offers Ph.D. program in Engineering and Sciences disciplines.

#### Under Graduate Programs (B.Tech./B.Arch.)

- Architecture
- Chemical Engineering
- Civil Engineering
- Computer Science Engineering
- Electronics & Communication Engineering
- Electrical & Electronics Engineering
- Mechanical Engineering
- Metallurgical & Materials Engineering
- Mining Engineering

#### Post Graduate programs (M.Tech./M.Sc.)

- Environmental Engineering
- Construction Technology & Management
- Water Resources Engineering
- Transportation Engineering
- VLSI Design
- Communication Systems Engineering
- Heat Power Engineering
- Industrial Engineering
- CAD-CAM
- Structural Dynamics and Earthquake Engineering
- Structural Engineering
- Chemical Engineering
- Integrated Power System
- Power Electronics & Drives
- Material Engineering
- Computer Science Engineering
- Urban Planning
- Excavation Engineering
- M.Sc. in Physics
- M.Sc. in Chemistry
- M.Sc. in Mathematics

#### Ph.D. programs

- All departments offer full time doctoral Ph.D. programs
- QIP centres in Electrical & Electronics Engineering, Metallurgical & Materials Engineering
- Visvesvaraya Ph.D. Scheme Grant of DEITY under Media Lab Asia



### Major Awards and Honours

- 11th Best Engineering Institute and 1st among NITs in i3RC Times Engineering survey from last two years.
- 2nd in Western India and 14th Top Engineering College in India by EDU-RAND rank.
- 3rd in Western India and 25th Top Engineering College in India by digitalLEARNING India.
- Three students visited Rashtrapati Bhavan for presenting their novel research ideas, New Delhi in 2015.
- Two meritorious students invited for the Republic Day Parade 2015 from the Prime Minister's Box at Rajpath.
- Three students received O.P. Jindal Scholarship (Bank Cheques of Rs. 80,000 for each Engineering Students & Certificates) on January 2015.
- Student selected for one month internship programme at TUM Munich, Germany for working on sensor-less drives.
- Student selected for Mitacs Globalink Research Internships program to work at Dalhousie University, Halifax
- Faculty member received prestigious fellowship i.e. TR Anantharaman-Sir Dorabji Tata Faculty Fellowship
- First Prize in FICCI's Higher Education Summit 2014
- Received cash prize of 200 USD amongst 1200 teams in Texas Instrument's Innovation Challenge 2015, an India design contest floated for engineering students of India.
- Innovative student projects Award 2014 at Master's level by Indian National Academy of Engineering
- 9th edition of the Hindi Magazine of the Institute "Rajbhasha Prerna" won 3rd prize amongst 150 Magazines by Nagar Rajbhasha Karyanvayan Samiti (NARAKAS) on 2015
- Faculty on review committee of many international and national journals
- Best M.Tech./Ph.D. thesis awards won by students and faculty at international and national level
- Innovative project award (INEA)
- NBHM and Dr. D. S. Kothari Postdoctoral fellowships
- AIMS-South Africa Post-doctoral fellowship at Stellenbosch University
- DFG Fellowship for PhD research at OVG, University, Germany
- DFG Fellowship for Postdoctoral Research at Potsdam University, Germany
- COMPUTE-2014, International Conference on information & knowledge management and high Performance was conducted on 9th October 2014.
- NASAS-2014, International Conference on Fatigue, Fracture and Ageing Structures held on 15th December 2014.



## Research & Development

- Active collaboration with industry, academic, and R&D centres
- On going Research projects are 76 and worth Rs. 45.47 Crores obtained in 2014-2015
- Funding agencies: IGCAR, BRNS, DST, AR & DB, SERB, RGSTC, MOIL etc.
- 55 patents have been filed/ published in the last five years and one patent has been granted this year
- 444 research scholars; 47 Ph. D. awarded in 2014-15.
- QIP centres in Electrical, Metallurgical & Materials Engg.
- Visvesvaraya Ph.D. Scheme Grant of Department of Electronics and Information Technology under Media Lab Asia supports 28 Ph.D. Fellowships (8.77 Crores).
- Centre of excellence on Hybridization of Communication and Embedded Systems ; COMMBEDDED SYSTEMS funded by NPIU. (5Crores)
- More than 400 Research publications in reputed journals and conferences in 2014-15.
- Some of the major research projects are:
  1. Generation of HAIGH diagram for Inconel 617M alloy for the Indian advanced ultra supercritical power plant project (AUSP) in collaboration with IGCAR, Kalpakkam (Funding Rs. 7.20 Cr.)
  2. 'Creep testing of Inconel 617M alloy and 304HC steel for the Indian advanced ultra supercritical power plant project (AUSP) in collaboration with IGCAR, Kalpakkam (Approx. Funding Rs. 1.92 Cr.).
  3. 'Reliable and Efficient System for Community Energy Solution (RESCUES)' (approx. funding Rs.14 crores).
  4. 'Development of Efficient converter for Grid Integration' funded by DST (SERI) Solar Oriented Fundamental Research (SOFR) (approx. funding Rs.58 lakhs).
  5. 'Seismic behaviour of underground structures: A research & development' funded by DST, Government Of India (Approx. Funding Rs. 53.35 Lakhs).
  6. 'Technical & Feasibility study of overburden rock of Dongri Buzurg & Kandri Mine for consolidated stowing in underground mines' funded by MOIL (Approx. Funding Rs. 39.25 lakhs).
  7. 'Information Security Education and Awareness: Project Phase II' funded by MCIT, New Delhi (Approx. Funding Rs. 36.06 Lakhs).



## Consultancy

- Faculty encouraged to take industrial consultancy work.
- Major consultancy for government, semi-government, and private agencies
- Consultancy & Testing of 4.42 Crore is completed in 2014-15.
- The main areas of consultancy projects are:
  - Nanoparticles, Synthesis of nanofluids, Carbon nanotubes
  - Ambient air monitoring program
  - Seismic behavior of underground structures
  - Sustainable construction and Soil behavior
  - Developments in Power Electronics
  - Blast Optimization
  - Environmental Science
  - Transport Planning
  - Fault Diagnosis of Machine
  - Cloud Computing Applications
  - Efficient converter for Grid Integration
  - Commbedded Systems
  - Robotics and Automation
  - Dye sensitized fuel cell
  - Biomedical Engineering and Technology
  - Study and Evaluation of New Composite Materials
  - Rural Technologies
  - Mining Engineering

## Technical Education Quality Improvement Program (TEQIP)

- VNIT actively participated in the World Bank – assisted project TEQIP
- Rs. 12.5 Crores utilised under TEQIP-II and Rs. 20 crores utilised under TEQIP-I.
- Water Resources Laboratory & CAD/ CAM Centre developed
- Many sophisticated state-of-art equipments installed
- Faculty deputed to international institutes, conferences
- Books, resource materials obtained for the central library

## Collaboration

VNIT has signed MoUs with institutions of higher learning, R&D laboratories and industries & reputed universities abroad for establishing stronger interface and promote collaboration in academic programs, joint research projects, faculty exchange and student training.

### International Collaboration:

- Belarussian State University, Belarus
- Belarussian National Technical University, Minsk, Belarus
- New Jersey Institute of Technology, USA
- Korean Institute of Carbon conversion technology, (KCTH) South Korea
- Ulsan Medical University, ASAN Medical centre, 388-1 PungNap-2, Song Pa, Seoul-138-736, South Korea
- Research Foundation NORSAR, Kjeller, Norway
- Institute of Technology Petronas SDN BHD, Kuala Lumpur, Malaysia

### **Institutional Collaboration:**

- Indian Institute of Technology (IIT), Indore
- Indian Institute of Science (IISc), Bangalore
- National Institute of Technology, Raipur
- National Institute of Technology, Silchar
- National Institute of Technology, Warangal
- National Institute of Technology, Srinagar, Uttarakhand
- Shri Govindram Seksaria Institute of Technology

and Science, Indore, Madhya Pradesh

- Government College of Engineering, Jalgaon
- Gondwana University, Gadchiroli
- College of Engineering, Pune
- Indian Institute of Engineering Sciences &

Technology (BESU), Shibpur, Kolkata (WB)

- Shri Guru Gobind Singhji Institute of Engineering and Technology (SGGSIE&T), Nanded
- North Maharashtra University, Jalgaon
- Government College of Engineering, Amravati.

### **R&D Laboratories Collaboration**

- International advance research centre for Powder metallurgy and new materials (ARCI), Hyderabad
- Jawaharlal Nehru Aluminum Research Development and Design Centre (JNARDCC), Nagpur
- National Environmental Engineering Research Institute (NEERI), CSIR, Nagpur

### **Industrial Collaboration**

- Vidarbha Industries Power Ltd, Butibori, Nagpur
- Saferworld Communications, SEEDS Network, RK Puram, New Delhi
- Gadchiroli Bamboo Cluster, Bamboo Vikas Prkalp Pvt Ltd
- Nagpur Auto and Engineering Cluster Pvt Ltd
- (NAEC- SPV), Nagpur
- Texas Instruments, Bangalore (USA)
- ATEML Corporation, Bangalore (USA)

### **Industry Institute Interaction (III) Cell**

The III Cell promotes and nurtures closer interaction with the industry sector. Linkages have been established with 07 non-government and 05 government agencies in the region. VNIT has designed Industrial Associateship Scheme (IAS) as one of the activities aimed at promotion of III. 17 industries are the member of IAS.

The main objective is to:

- Evolve educational program consistent with the requirements of industry
- Create adequate facilities for updating knowledge of professional engineers and technologists
- Coordinate research and development activities between industry and VNIT

- Provide opportunities for industry exposure to students and faculty through industry visits, summer internship and industry projects (M.Tech Projects)
- Establish linkages with prominent non-governmental and governmental agencies involved in the promotion of

### **Community Services**

Faculty and students are involved in several programs to enhance technical skill and knowledge base of various sections of society. Some of the programs conducted and activities undertaken are :

- VNIT has adopted eight villages: Lavada, Chitri, Kotha in Melghat Region, Jamgarh, Dahegaon, Deolapar, Zanzari, Nimtola
- Under a social initiative program, social group of VNIT 'Prayaas' organised the National conference on social sensitisation 'Renaissance' in 2014.
- VNIT in association with Vidarbha Vaibhav conducted an event "Setu-Bandhan" ( stakeholder's conclave for social development in Vidarbha).

### **VNIT Alumni Association**

- Institute has alumni portal - an interactive networking platform for the alumni of VNIT . ([www.vnitalumni.com](http://www.vnitalumni.com)).
- Alumni Association has about 7000 registrations
- Provides forum to establish link between alumni, students & institute
- Alumni Mentors are invited for events throughout the year to network and socialize. Opportunities for interaction include: On-campus meets and workshops, Conferences & Seminars, Cultural and social events
- VNITAA has its registered office in the Campus and its Chapters are operating in many cities viz. Delhi, Mumbai, Pune, Kolkata, Bengaluru etc and also in North-America.
- Alumni contributing towards development of infrastructure

### **Students' Placement**

- Students' placement & internship coordinated by Training & Placement Section (T&P)
- T&P Section actively coordinates with corporate sectors for providing high quality placement services to the students
- Necessary guidance is provided by the Department to the students for career planning and personality development
- About 100 to 110 leading companies visit VNIT every year and more than 80 percent of the eligible students are recruited
- Orientation Program organised for the students before the commencement of Final Year
- Online Tests on technical knowledge & general aptitude are conducted.
- Facility for students to learn Foreign & Regional languages
- Career guidance seminar on Higher Education in USA & UK.
- Seminar on Higher Education opportunity in France with multiple scholarships
- Industry feedback being taken from officials visiting the campus for recruitment & communicated to concerned departments
- International and National internships in leading industries and universities

## Distance Education Program

- Managed by Centre for Distance Engineering Education (C-DEEP) established in 2002
- Most of the courses covered are from IIT Bombay
- Class lectures are telecast live through EDUSAT satellite
- Participants at C-DEEP interact with faculty through video-conferencing
- Participants can do credit or audit courses.
- This mode of education, brings IIT courses to participants in other parts of the country

## Major Facilities & Centers

### Campus

- Lush green campus spread across-214 acres near Ambazari lake
- Residences for students, faculty & staff
- Well-maintained high capacity Auditorium
- Guest house with VIP suites
- Facilities like Gymnasium, Indoor Sports Center, Tennis Courts, Cricket Ground, Post Office, two Banks, ATM, Cafeteria, Coffee-shop and Co-operative Store, Community shops
- Recreation clubs for teaching and non-teaching staff
- Class rooms equipped with Audio-visual facility
- 112 laboratories equipped with state-of-art equipments

### Language Laboratory

- Computer based hypermedia language learning
- Imparts spoken english inputs to students
- Gives exposure to international corporate culture
- Builds aptitude for soft skills and prepares students for group discussions and personal interviews.

### Library

- More than 1.6 lakh books, more than 14000 Journals/Periodicals
- Audio-Video learning materials
- INDSET facility; access to many e-journals
- Shift in emphasis from hard bound to e-books, e-journals, e-learning resources (NPTEL)
- 468 student Seating Capacity:
- Technical enquiry & referral services to other libraries
- Providing Full Text/ Full Images databases (IEEE, IET, ASCE, ASME, ACM-Digital, Springer Verlag, Elsevier Links, ASTP, JCCC, IEL on Line, Science Direct)
- Multimedia Learning Centre
- Electronic cards for book issue and return
- Library works in two shifts (8.30 am to 9.30 pm except only Five yearly holidays)

### Workshop

- Workshop of Mechanical Engineering Department offers a central facility
- Workshop carries out practical based teaching in conventional workshop practices to B.Tech courses in areas like Fitting, Carpentry, Welding, Turning, Milling, Drilling, Pattern making and Foundry
- Mechanical Engineering students perform Manufacturing Processes experiments
- Carpentry section is equipped with 'Bosch Power Tools'
- Workshop is having CNC centre with two CNC lathe machines & one CNC milling machine (VMC) and further its upgradation with simulation software for CNC milling and CNC turning for 10 user license is under consideration
- Workshop arranges short term training programs for introduction of 'Basic machining and fabrication skills' with practical exposure to school dropout children of the society
- Workshop assists in fabrication works in the institute

- Workshop is having well equipped seminar hall with intension to develop an audio-visual lab for showing hightech machining process videos.

### Computer Centre

- Computer lab with 120 PCs
- Online tests for T&P are conducted in Computer Centre
- Various workshops are conducted in Computer Centre.
- The Centralized Computing Facility caters to the need of all students on campus
- The Centre remains open for extended hours every day
- The computing facility is extended to conduct any extra courses like MATLAB, Hindi workshop, Spoken Tutorial, etc.

### Health Centre

- Promotes holistic health care & preventive medicine
- Serves 4000 students & 500 families of faculty & staff
- OPD, Yoga, Meditation, Counseling, & physiotherapy
- Availability of campus doctor, 24x7 ambulance service
- Cashless hospitalization facility through United India Insurance
- Student Medical Aid Fund since 2012
- Integrated activities of Health Centre, Academic, Hostel & Sports Section in identifying high risk students & following them
- Awareness / Educational programs for the employees, their families & students

### Network Centre

- Provides different VLAN's for Academic departments, Administrative sections, Hostels, Guest House by connecting them with optical fiber
- Currently each department has approximately 250 nodes
- Current Connectivity - 155 Mbps from Vodafone, 15 Mbps from BSNL and 1 Gbps from NKN
- Server Hosted - Email Server, Web Server, DHCP Server, Antivirus Server, Proxy Server, NPTEL Server, Web-Content NPTEL Server and MATLAB S/w installation Server
- Blade Server with 12 TB of Storage space and 10 Blades on which the Web Server, Mail Server, Proxy servers, DNS Servers, etc. are hosted.
- VNIT is a member of the National Knowledge Network (NKN) of GoI
- It also operates and maintains the well-equipped Online Virtual Classroom (120 Capacity) created under the NKN project.

### Centre for Innovation (CIVN)

- Centre for Innovation VNIT Nagpur (CIVN), VNIT incubation centre, a Section 8 (previously Section 25) non profit company for fostering incubation activities at VNIT.
- CIVN has assistance of Rajiv Gandhi Science and Technology Commission Government of Maharashtra (RGSTC) and TEQIP-II. The objectives are to:
  - Incubate successful incubation companies which translate knowledge and innovation into business enterprise. (4 companies approved, 2 started operations ).
  - Provide physical infrastructure and single window support systems including mentors, experts, consultants and legal advise.
  - Identify technologies/innovations which have potential for commercial ventures.
  - Pre-Incubate early stage entrepreneurial ventures by students by facilitating prototype and business proposal preparation.
  - Improve startup culture on VNIT Campus.

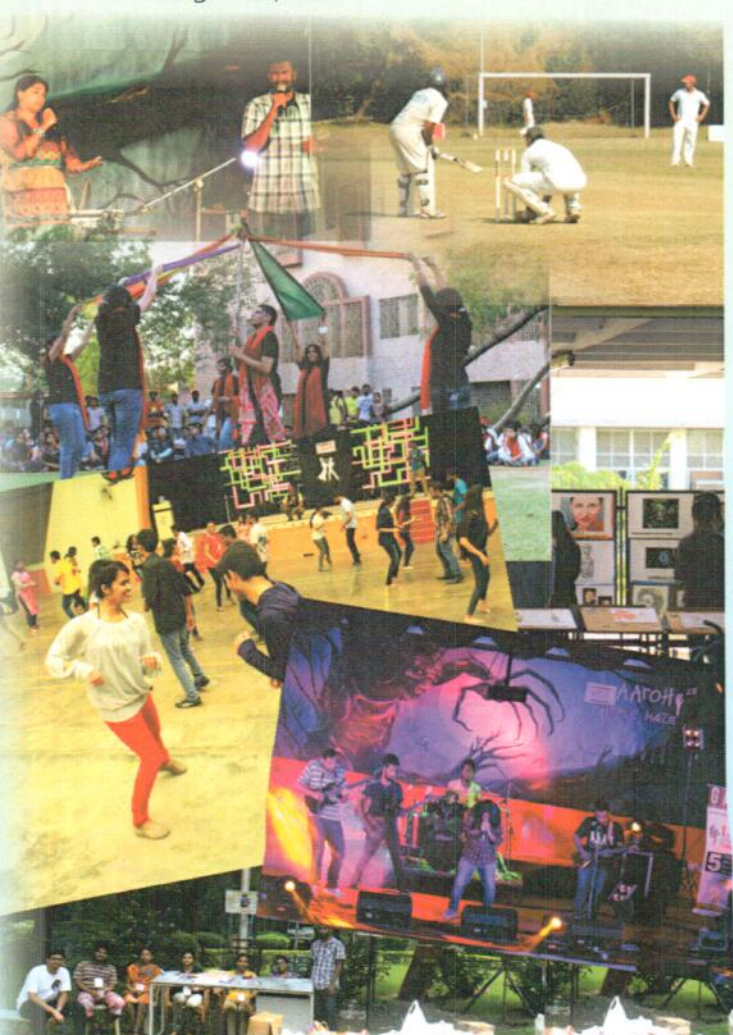
### Hostels

- 9 Boys hostels and 4 Girls' hostel
- Telephone, T.V., internet connectivity, computer hall to each hostel

- Water coolers, Solar water heaters
- Common dining facility with one mega mess of 1500 students capacity
- All students covered under health insurance
- Hostel area has shopping complex comprising of Stationary and General Stores, Dry cleaner, Cycle Store, Xerox & Printing Centre, Fruit Shop & Night Canteen

### Students & Sports Activity Centre

- One Cricket Ground with six Turf Wickets
- One Football Ground with flood light arrangements
- Cemented Basket ball court and adjoining two Volleyball Courts with flood light
- One Kho-Kho ground with flood light arrangements
- One Kabaddi ground with flood light arrangements
- Central Gym facility exists for boys
- Separate Gym facility for Girls in the Girls Hostel
- Three lawn tennis courts
- Cricket pavilion with the seating capacity of 500 students
- A hall to practice Yoga
- Indoor Sports Complex with wooden sprung surface having One hall to accommodate 06 Table Tennis Tables, 04 Badminton Courts, One hall for Yoga (capacity:100) and One hall for cardio fitness and sports medicine lab
- Sports Medicine Research Lab
- Students participated in various All India Inter NIT Tournaments organized by various NITs.
  - Students won two Silver and three Bronze medals in Athletics in All India Inter NIT Tournament organized by NIT Rourkela during January 2015.
  - Kho Kho Team (Men) has always brought laurels to the institute by winning first place since last three years.
  - Chess team (men) won third place and Table Tennis Team (Women) and chess team (women) were runner up in All India Inter NIT Tournament organized by NIT Bhopal, during March, 2015.



### Student life/ Extracurricular Activities

These include sports, NCC, NSS, annual cultural / technical fest, departmental gathering and various clubs on campus

#### Sports

- Physical education is part of curriculum
- Inter-departmental competition during annual gathering
- Coaching facility available in different games
- Regular participation in national & state sports events
- Students are motivated by providing them with track suits and playing kits.
- Institute participated in Dr. Punjabrao Deshmukh Sports Festival in the disciplines of Cricket, Basketball and Football tournament.

#### Annual Events

##### TECH FEST: AXIS

- Most celebrated technical festival of Central India held in September-October every year
- The former President of India Late Dr. A P J Abdul Kalam, visited last Techno-Fest: AXIS-2014 held on 25-27 September 2014.
- Events like Robotics, NFS, Contraption, Paper presentations etc.

#### Research Scholars Day

- This is an effort to recognize the work of the researchers in different engineering branches.
- A chance to know about the work of other researchers.
- Encourages the students to pursue their work
- The institute honours at least two researchers from each branch every year.

#### NASAS : National Seminar on Aerospace Structures Compute

##### Arohi: Drama of Culture

- Largest inter-college cultural program of Central India
- Events like band, dance and personality contest
- Participation from many colleges from Central India

#### Krik-Mania

- Biggest inter collegiate students organized sports event
- Organized every year since last 22 years

#### Intramural and Krida Diwas( National Sports Day)

- Students get all the opportunities to interact with each other and explore their hidden talent in sports.
- Celebrates the birth anniversary of the great Hockey legend Major Dhyan Chand on 29th of August every year.
- Under Annual Intramural program: Football, Cricket, Volleyball, Throw ball, Kho-Kho Table-Tennis, Kabaddi and Chess etc. organized
- Helps to provide solid platform for their healthy social relationship throughout their academic course

#### Clubs on Campus

- Innovation Club
- Robobank
- IEEE Cell (Institute of Electrical and Electronics Engineers)
- V-ACM: Association for Computer Machinery
- SAE (Society of Automotive Engineers)
- IICHE (Indian Institute of Chemical Engineers)
- Prayaas - Social Welfare Club
- Club capture - Photography club
- Halla Bol - Dramatics club
- Grooves - Dancing community of VNIT
- Entrepreneurship Cell
- Iridescence - Art club
- MAG.com - Magazine Committee
- OCTAVES - Music club
- Agon Club: Awaaz - Debate and literary society
- Quiz Pro Co. - Quiz club
- Astronomy Club
- Ambiente/Eco Club
- Alumni Club
- VIHANG (PG Student Sports Club)
- Thalassaemia Awareness Society

#### Future Plan :

Enhancement of Infrastructure

- Academic Block
- Mega Hostels
- Mega Mess Hi Tech Kitchen