# भारतीय सूचना प्रौद्योगिकी संस्थान, नागपुर
# INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, NAGPUR




## वार्षिक प्रतिवृत २०१६–२०१७
## Annual Report 2016 - 2017












## Vision

To advance new knowledge and innovation in Information Technology and allied fields to power nation to the forefront in the global cintext

## Mission

The mission of IIITN is to develop competent and capable yout imbued with the spirit of innovation and environmental orientation to meet the knowledge needs of the country and provode global leadership in Information Technology and allied fields.

# Prelude

The year 2016 witnessed a major breakthrough, when three among the proposed 20 Indian Institutes of Information Technology (IIITs) started off their operations. Indian Institutes of Information Technology, Nagpur (IIITN) has emerged as one of the premier institutions to address the challenges faced by the Indian IT industry and growth of the domestic IT market.

In less than a year, the institute has contributed to cutting-edge research in various disciplines of science and engineering. Further, the institute has also contributed in various social and cultural activities, making it one of the best places for education and overall personality development. This "**Annual Report 2016-17"** gives a detailed overview of the operations of various building blocks of IIITN.

The dedicated administration, faculty and students are playing a major role in making IIITN a world-class academic institution. IIITN is committed to the global competitiveness of research-led education and is striving towards making it one of the top choices for higher education in India.

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# 1. Introduction

Indian Institute of Information Technology Nagpur (IIITN) is one of the Indian Institutes of Information Technology (PPP) in the country, set up with the objective of making available facilities for higher education, research and training in various fields of Information Technology. To address the challenges faced by the Indian IT industry and growth of the domestic IT market, the Ministry of Human Resource Development (MHRD), Government of India intends to establish twenty Indian Institutes of Information Technology (IIIT), on a Not-for-profit Public Private Partnership (N-PPP) basis. The partners in setting up the IIITs would be the Ministry of Human Resource Development (MHRD), Governments of the respective States where each IIIT will be established, and the industry. On the same line Indian Institute of Information Technology Nagpur (IIITN) is newly established Educational Institute by the Ministry of Human Resources Development, Government of India and few industry partners as Not-for-profit Public Private Partnership (N-PPP) Institution. The Industry Partners are,

**1. Tata Consultancy Services, Mumbai.**

**2. ADCC Infocad Ltd., Nagpur**

Visvesvaraya National Institute of Technology Nagpur (VNIT) is the mentor Institute for Indian Institute of Information Technology Nagpur (IIITN). It is one of the thirty National Institutes of Technology in the country. The Govt. of India conferred on the Institute, the Deemed to be University status (under University Grants Commission Act, 1956 (3 of 1956)) with effect from 26th June 2002. Subsequently, the Central Govt. by Act of Parliament (National Institutes of Technology Act, 2007 (29 of 2007)) declared VNIT Nagpur as an Institute of National Importance along with all other NITs. The Act was brought into force from 15th August 2007.

## 1.1 Vision and Mission

**Vision**

To advance new knowledge and innovation in Information Technology and allied fields to power the nation to the forefront in the global context.

**Mission**

The mission of IIITN is to develop competent and capable youth imbued with the spirit of innovation and entrepreneurship with the social and environmental orientation to meet the knowledge needs of the country and provide global leadership in Information Technology and allied fields.

## 1.2 Objectives

a) To emerge amongst the foremost institutions in information technology and allied fields of Knowledge.

b) To advance new knowledge and innovation in Information Technology and allied fields to power the nation to the forefront in the global context.

**c)** to develop competent and capable youth imbued with the spirit of innovation and entrepreneurship with the social and environmental orientation to meet the knowledge needs of the country and provide global leadership in Information Technology and allied fields.

d) To promote and provide transparency of highest order in matters of admission , appointment to various positions , academic evaluation , administration and finance.

## 1.3 Education System

The Institute offers two Engineering and Technology courses. The duration of each course is 4 years. All courses run on semester pattern. Students who have passed 12th standard examination with subjects English, Physics, Chemistry and Mathematics from State Boards of Secondary and Higher Secondary Education or equivalent are eligible for admission to IIIT and other NITs all over India. The admission is done on the basis of the rank obtained by the student in Joint Entrance Exam (JEE) Main conducted by Central Seat Allocation Board (CSAB) under the Ministry of HRD, Govt. of India.

## 1.4 Overviews

### 1.4.1 Location and Accessibility:

The make shift campus is located in lush green area of Nagpur known as Seminary Hills. It is centrally located and well known area.

Its distance from all respective public transport facilities are as follows, Nagpur main Railway Station: 5.5 Kms, Nagpur Airport (DBAIAP): 12.5 Kms Nagpur, Central Bus Stand: 7.2 Kms The nearest landmark is TV Tower or Balaji Temple.

The official Address is: IIIT Nagpur, BSNL - Regional Telecom Training Center (RTTC), Near TV Tower or Balaji temple, Seminary Hills, Nagpur, Maharashtra 440006

### 1.4.2 Facilities:

**The makeshift campus of IIIT Nagpur has following full-fledged functional facilities,**

1. Administration Block
2. Academic Block
3. Classrooms
4. Laboratories
5. Library
6. Faculty and Staff Rooms
7. Girls Common Room
8. Hostel
9. Mess
10. Recreation Room
11. TV and Reading Room
12. Sports
13. Medical Facilities
14. Wi-Fi connectivity
15. Playgrounds
16. Gymnaecium

# 2. BoG, Senate and Various Committees

## 2.1 Board of Governors

| Sr. No. | Name and Address | Designation |
|---|---|---|
| 1 | Shri. Vinay Sheel Oberoi<br>Secretary, Department of Higher Education, MHRD, New Delhi | Chairman |
| 2 | Shri. Rakesh Ranjan<br>Jt. Secretary, Technical Education, MHRD, New Delhi | Member |
| 3 | Smt. Darshana M Darbal<br>Financial Advisor, MHRD, New Delhi | Member |
| 4 | Shri S. J. Kunte<br>Principal Secretary, Higher and Technical Department, Government of Maharashtra, Mumbai | Member |
| 5 | Shri. Apoorva Chandra Sen<br>Principal Secretary, Industries Department, Government of Maharashtra, Mumbai | Member |
| 6 | Smt. Tripti Gurha<br>Director (TE), MHRD, New Delhi | Member |
| 7 | Dr. Narendra S. Chaudhari<br>Director, Visvesvaraya National Institute of Technology (VNIT), Nagpur | Member |
| 8 | Dr. S. P. Kane<br>Vice-Chancellor, RTM Nagpur University, Nagpur | Member |
| 9 | Shri .Sagar Meghe<br>Representative of ADCC Infocad Ltd., Nagpur | Member |
| 10 | Dr. K. Krishnamurthy<br>Head-Academic Interface Program, TCS, Mumbai | Member |
| 11 | Shri Gulabrao Thakare<br>Joint Director, Technical Education, Nagpur Region, Nagpur | Member |
| 12 | Shri. Kailas. N. Dakhale<br>I/c Registrar, IIIT Nagpur, | Member – Secretary |

## 2.2 Senate Members

| Sr. No. | Name and Address | Designation |
|---|---|---|
| 1 | Dr. Narendra S. Chaudhari<br>Director, VNIT, Nagpur, | Chairman |
| 2 | Dr. A.G. Keskar<br>Professor of Electronics Engg., VNIT, Nagpur<br>Chairman,BoS,ECE, IIIT Nagpur, | Member |
| 3 | Dr. A.S. Gandhi<br>Professor of Electronics Engineering, VNIT, Nagpur | Member |
| 4 | Dr. K.M. Bhurchandi<br>Member, BoS,ECE,IIIT Nagpur | Member |
| 5 | Mr. Richard King | Member |
| 6 | Mr. Abhay Kimmatkar,<br>Chairman, ADCC | Member |
| 7 | Dr. S.R. Sathe<br>Chairman,BoS,CSE, IIIT Nagpur, | Member |
| 8 | Dr. U.A. Deshpande | Member |
| 9 | Dr. M. Kurhekar- Member, BoS,ECE,IIIT Nagpur | Member |
| 10 | Mr. Arvind Kumar, Reprehensive from TCS | Member |
| 11 | Dr.Manali Kshirsagar , Reprehensive from ADCC | Member |
| 12 | Shri. K. N. Dakhale- I/c Registrar, IIIT Nagpur, | Member – Secretary |

## 2.3 Administration Committee

| Sr. No. | Name | Designation | Email |
|---|---|---|---|
| 1 | Dr .A.G Keskar, | Chairman, BoS,ECE, IIIT Nagpur,<br>Chief Vigilance Officer | cvo@iiitn.ac.in |
| 2 | Dr. A. G Kothari, | Associate Dean, IIIT Nagpur,First Appellate Authority, under Right To Information Act,2005 | associatedean@iiitn.ac.in |
| 3 | Shri .Kailas .N. Dakhale | I/c Registrar, IIIT Nagpur, Central Public Information Officer,under Right To Information Act,2005 | registrar@iiitn.ac.in |

| | | | |
|---|---|---|---|
| 4 | Dr. S .R Sathe | Chairaman , BoS , CSE , IIIT Nagpur | registrar@vnit.ac.in |
| 5 | Dr . R R Yerpude | Advisor , IIIT Nagpur | rryerpude@mng.vnit.ac.in |

## 2.4 Grievance Committee (GC):

| Sr. No. | Name | Designation |
|---|---|---|
| 1 | Dr. A. G. Keskar,<br>Professor of Electronics Engg., VNIT, Nagpur<br>Chairman,BoS,ECE, IIIT Nagpur, Chief Vigilance Officer | Chairman |
| 2 | Dr. A. G. Kothari,<br>Associate Dean, IIIT Nagpur | Member |
| 3 | Dr. M. P. Kurhekar<br>,Member, BoS,ECE,IIIT Nagpur | Member |
| 4 | Dr(Smt) ShilpaDongre,<br>AP,CivilEngg.Dept.VNIT Nagpur | Member |
| 5 | Shri. Kailas. N. Dakhale,<br>I/c Registrar, IIIT Nagpur | Member |

# 3. Academic Programmes

## 3.1 Academic Programs

The institute is committed to get itself recognized as a leader in Information Technology related science and engineering. It wishes to establish a firm foundation for education and research with a high-quality faculty base and having a vision to be the fountainhead of new ideas and innovations in technology and science. IIIT, Nagpur is to create an ambiance in which new ideas, research and scholarship flourish and from which the leaders and innovators and IT-entrepreneurs of tomorrow emerge.

IIIT Nagpur is commencing its operations with following two B.Tech. programmes with respective capacities.

Senate is supreme academic administrative body. Under Senate the respective Board of Studies functions for the academic administration with the guidelines prescribed by the Senate. The respective details for the Senate, BoS and Academic rules and schemes with curriculum is given in institute's web site http://iiitn.ac.in/and can be referred from the academic rule-book.

## 3.2 Academic Programmes and Courses Offered

IIIT Nagpur started its operation from the academic year 2016-17.

**Branches Offered with Intake Capacity**

1. Computer Science & Engineering (CSE) - 40
2. Electronics & Communication Engineering (ECE) - 40

## 3.3 Admission Procedure

Admissions will be through Central Seat Allocation Board (CSAB) by Joint Seat Allocation Authority (JOSAA), Government of India.

http://josaa.nic.in/webinfo/Public/home.aspx

## 3.4 Students

In the year 2016-17, 54 students (Male and Female) were admitted in B.Tech. programs.

## INDIAN INSTITUTE OF INFORMATION TECHNOLOGY NAGPUR

## ELECTRONICS AND COMMUNICATIONS ENGINEERING

| Sl No | Student's Full Name | Gender |
|---|---|---|
| 1 | Ashutosh Dnyaneshwar Joge | Male |
| 2 | Ambar Ganesh Tayde | Female |
| 3 | Aditya Sunil Dhoke | Male |
| 4 | Chaitanya Vijay Punwatkar | Male |
| 5 | Neha Rajendra Bansod | Female |
| 6 | Karam Dnyaneshwar Gajbhiye | Male |
| 7 | Kartik Waman Kinge | Male |
| 8 | Guntuku Jaya Kiran | Male |
| 9 | Nipun Nilkanth Mehar | Male |
| 10 | Sahil Satish Deshmukh | Male |
| 11 | Yashika Gopal Bajaj | Female |
| 12 | Anushri Harish Laddha | Female |
| 13 | Jella Maneesh | Male |
| 14 | Aman Soni | Male |
| 15 | Rohit Sunil Agrawal | Male |
| 16 | Mallela Aruna | Female |
| 17 | Keerti Bajaj | Female |
| 18 | Akhila Mahankali | Female |
| 19 | Rajkumar Amgoth | Male |
| 20 | Yash Sachin Pawar | Male |
| 21 | Birudaraju Satwik Bhatt | Male |
| 22 | Shubham Verma | Male |
| 23 | Dev Narayan Chakrawarti | Male |

**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY NAGPUR**

**COMPUTER SCIENCE AND ENGINEERING**

| Sl No | Student's Full Name | Gender |
|---|---|---|
| 1 | Kunal Satish Yelne | Male |
| 2 | Sanket Satish Kale | Male |
| 3 | Vaidehi Manoj Ghime | Female |
| 4 | Tejas Prakash Tidke | Male |
| 5 | Rinisha Sunil Gedam | Female |
| 6 | Prachita Satish Kotangale | Female |
| 7 | Sunny Dnyaneshwar Dhoke | Male |
| 8 | Tushita Singh | Female |
| 9 | Nilay Vinod Bhat | Male |
| 10 | Aayesha Bassy | Female |
| 11 | Dinesh Chevvakula | Male |
| 12 | Sanket Achal Sinha | Male |
| 13 | Braj Kishor | Male |
| 14 | Sakshi Agrawal | Female |
| 15 | Vaibhav Harihar Agasti | Male |
| 16 | Aman Kumar | Male |
| 17 | Koshike Divya Sri | Female |
| 18 | Ch Sravanthi | Female |
| 19 | Shiva Kumar Gedela | Male |
| 20 | B Sreecharan | Male |
| 21 | Saurav Kumar Dubey | Male |
| 22 | Arun Kumar Banavath | Male |
| 23 | Parth Girish Wazurkar | Male |
| 24 | Mayur Rajendra Selukar | Male |
| 25 | Divyesh Saglani | Male |
| 26 | Atharv Chandrashekhar Daflapurkar | Male |

## 3.5 Examination & Evaluation

All UG programs run on semester basis. Students are required to register courses for every semester examination. Courses are categorized as core, elective open and humanities courses. Course evaluation mainly includes Two sessional tests, End-semester examination and any other assessment. Course evaluation for laboratory courses is done on continuous basis through quizzes, assignments, seminars etc. Evaluation pattern is relative credit point based grading system on a ten-point scale and grades are awarded on assessment. There is no provision for improvement of grade by re-registering in the course. Students are required to re-register into course in which he/she obtain FF (fail grade) in the subsequent semester. Student performance is indicated by CGPA (Cumulative Grade Point Average) and is not awarded any division/percentage. Student is eligible for the award of degree after completion of various requirements set by the institute in terms of credits, CGPA, and type of courses completed.

Academic rule-book is made available to all the students and is available on the website of the institute. Academic Peer Review of each academic program is being done with the help of faculty members of IIITs, NITs, IITs and members from industry. The suggestions received under this review program are implemented through respective Board of studies.

## 3.6 Duration of Programs

| **Sr. No.** | **Program** | **Duration** |
|---|---|---|
| 1. | Computer Science & Engineering (CSE) | 4 Years (8 Semester) |
| 2. | Electronics & Communication Engineering (ECE) | 4 Years (8 Semester) |

## 3.7 Programs wise Enrolment for year 2016-17

**As per the Gender**

| Sr. No. | Program Code | Male | Female | Total |
|---|---|---|---|---|
| 1. | Computer Science & Engineering (CSE) | 22 | 8 | 30 |
| 2. | Electronics & Communication Engineering (ECE) | 17 | 7 | 24 |

## 3.8 Programs wise Enrolment

**As per the Category**

| Academic Program Code | Academic Program Name | OPEN | OPEN-PwD | SC | SC-PwD | ST | ST-PwD | OBC-NCL | OBC-NCL-PwD | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| 4110 | Computer Science & Engineering (4 years,Bachelor of Technology) | 19 | 1 | 6 | 0 | 3 | 0 | 11 | 0 | 40 |
| 4114 | Electronics & Communication Engineering (4years,Bachelor of Technology) | 20 | 0 | 6 | 0 | 3 | 0 | 10 | 1 | 40 |
| | Total Seats | 39 | 1 | 12 | 0 | 6 | 0 | 21 | 1 | 80 |

**As per the Category and gender**

| Sr. No. | Program Code | OP | | | OP PWD | | | OBC | | | OBC PWD | | | SC | | | ST | | | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T |
| 1. | Computer Science & Engineering (CSE) | 11 | 3 | 14 | 0 | 1 | 1 | 6 | 2 | 8 | 0 | 0 | 0 | 3 | 2 | 5 | 2 | 0 | 2 | 22 | 8 | 30 |
| 2. | Electronics & Communication Engineering (ECE) | 5 | 4 | 9 | 0 | 0 | 0 | 5 | 1 | 6 | 1 | 0 | 1 | 4 | 2 | 6 | 2 | 0 | 2 | 17 | 7 | 24 |

**Break up of Seats**

| Category | Intake | Admitted |
|---|---|---|
| OPEN | 39 | 23 |
| OPEN( PWD) | 01 | 01 |
| OBC | 21 | 14 |
| OBC(PWD) | 01 | 01 |
| SC | 12 | 11 |
| ST | 06 | 04 |

# 4. Physical Education and Sports

## 4.1 Physical Education & Sports

Research indicates that regular physical education, included in curriculum, produces physical, psychological and intellectual benefits. Physical education may help prevent degenerative disease improve overall physical condition maintain emotional balance, promote a sense of social effectiveness, contribute to academic performance and establish positive recreation habits. Therefore, physical education must be supported as an integral part of comprehensive education.

Sports and games are essentials components of Human Resource Development, holding to promote good health, comradeship and spirit of healthy competition, which in turn, has positive and deep impact on the holistic development of the personality of the youth who is a potential source of energy, enthusiasm and inspiration for development, progress and prosperity of the nation.

Further, excellence in sports enhances the sense of achievements, national price and patriotism. Sports being practical way of education facilitate beneficial recreation, improve productivity, foster social harmony inculcating sense of discipline and dedication in general life. Sports give a strong message of peace, friendship and understanding among the people of participants. Today, sports are prime need in a civilized society, as it helps to promote nation integration, emotional integrity and professional intellect among the participants.

**According to UNESCO General Conference (1978) Article 1; which advocates that practice of physical education and sport is a fundamental right for all:**

**1.1**Every human being has a fundamental right of access to physical education and sport, which are essential for the full development of his personality. The freedom to develop physical, intellectual and moral powers through physical education and sports must be guaranteed both within the education system and in other aspects of social life.

**1.2**Everyone must have full opportunities, in accordance with his national tradition of sport, for practicing physical education and sort, developing his physical fitness and attaining a level of achievement in sport which corresponds to his gifts.

**The Article 2; further endorse that physical education and sports form an essential element of lifelong education in the overall education system:**

**2.1** Physical education sport, as a practice of sports must be ensured throughout life by means of a global, lifelong and democratized education.

**2.2** At the individual level, physical education and sport contribute to the essential dimension of education and culture, must develop the abilities, will-power and self-discipline of every human beings as a fully integrated member of society. The continuity of physical activity and the maintenance and improvement of health, provide a wholesome leisure-time occupation and enable man to overcome the drawbacks of modern living. At the community level, they enrich social relations and develop fair play, which is essential not only to sport itself but also to life in society.

**2.3** Every overall education system must assign the requisite place and importance to physical education and sport in order to establish a balance and strengthen links between physical activities and other components of education.

**National institutions play a major role in physical education and sport**

It is essential that public authorities at all levels and specialized non-governmental bodies encourage those physical education and sport activities whose educational value is most evident. Their action shall consist enforcing legislation and regulations, providing material assistance and adopting all other measures of encouragement, stimulation and control. The public authorities will also ensure that such fiscal measures are adopted as may encourage these activities.

It is incumbent on all institution s responsible for physical education and sport to promote a consistent, overall and decentralized plan of action in the framework of lifelong education so as to allow for continuity and co-ordination between compulsory physical activities and those practiced freely and spontaneously.

Thus in tune with above ideology, the faculties of physical education at this institute exploit all the possible dimensions of physical education and sports through the variety of activities in our institute:

- ✓ Physical education is an audit course at the institute and they are taught sports sills, strategic preparation, and tactical preparation faculties of physical education work to increase the physical fitness of first year students more than 100 numbers through various physical fitness programs. Apart from this teaching on play fields, they are also taught

physiological, psychological, sociological and emotional aspects associated with sports and physical activities through talks and seminars.

- ✓ Health club facilities are also provided to the students where they practice various health related gymnasium activities in the allotted morning and evening hours under the guidance of a trained coach.
- ✓ Coaching facilities are also made available to the students selected by conducting the selection trials of various games. Specialized coaches are appointed to training the students going to participate in various inter-IIIT tournaments.
- ✓ Another attractive sporting activity is the Institute Gathering which is organized every year by the students under supervision of the physical education section. This is an event, where various inter-departmental sports activities are conducted with overwhelming response where the participants are students institute teaching and non-teaching staff.

**Important event as per MHRD guidelines:**

According to MHRD directives, our Institute celebrated the International yoga day on 21st June 2016. To strengthen the holistic approach to health and well-being and wider dissemination of information about the benefits of practicing yoga, our Institute also celebrated the international yoga day at our institute's newly built yoga hall in the sports complex on 21st June 2016. A team of yoga experts demonstrated various asana, simultaneously all the participants also performed the asana.

Details of extracurricular activities and other event as per MHRD guidelines has been describe in section 13.

## 4.2 Visit of Committees:

**Director's committee visit:**

A team of experts, Director, I/c Registrar, Associate Dean inspected the sports facilities and gym on 26th January 2017 all appreciated with existing facilities.

## 4.3 Participation of students in different games

The institute encourages the students by exposing them to various Inter IIIT tournaments and also in local inter-collegiate tournaments. All the selected students are motivated by providing them with track suits and playing kits.

**Participation in All India Inter IIIT Tournaments:**

Through All India Inter IIIT tournament a student can exhibit his/her talent amidst students of all the other IIITs in India. This year total 18 students 15 (M) 3 (W) participated in various All India IIIT Tournaments organized by IIITDM Kancheepuram. The following table shows the detail of participation by the institute in various All India Inter IIIT tournament organized by IIITDM Kancheepuram during the year 2016-17.

**INDIAN INSTITUTE OF INFORMATION TECHNOLGY, NAGPUR**
**PLAYER LIST**
**IIIT SPORTS MEET**
**2016-17**

| BASKETBALL (MEN) | | | | | | |
|---|---|---|---|---|---|---|
| S.NO. | NAME | DOB | AGE | BRANCH | SEM. | MOBILE NO. |
| 1 | ASHUTOSH JOGE | 5/6/1997 | 19 | ECE | 1ST | 8625061792 |
| 2 | BRAJ KISHOR | 27/08/1997 | 19 | CSE | ST | 8983329776 |
| 3 | NILAY BHAT | 4/15/1998 | 18 | CSE | 1ST | 7719855810 |
| 4 | ADITYA DHOKE | 24/12/1997 | 19 | ECE | 1ST | 7709295605 |
| 5 | A.SREECHARAN | 11/3/1998 | 18 | CSE | 1ST | 9423711303 |
| 6 | PARTH WAZURKAR | 7/11/1998 | 18 | CSE | 1ST | 9552283766 |
| 7 | AMAN KUMAR | 12/21/1997 | 19 | CSE | 1ST | 7028881772 |
| 8 | NIPUN NILKANTH MEHAR | 9/26/1998 | 18 | ECE | 1ST | 8975999505 |

| BADMINTON (MEN) | | | | | | |
|---|---|---|---|---|---|---|
| S.NO. | NAME | DOB | AGE | BRANCH | SEM. | MOBILE NO. |
| 1 | DIVYESH SAGLANI | 5/21/1998 | 18 | CSE | 1ST | 8446089712 |
| 2 | TEJASH TIDKE | 8/31/1998 | 18 | CSE | 1ST | 7776058195 |
| 3 | ATHARV DAFLAPURKAR | 5/21/1998 | 18 | CSE | 1ST | 9423910535 |

| BADMINTON (WOMEN) | | | | | | |
|---|---|---|---|---|---|---|
| S.NO. | NAME | DOB | AGE | BRANCH | SEM. | MOBILE NO. |
| 1 | SAKSHI AGRAWAL | 12/18/1997 | 19 | CSE | 1ST | 9479895319 |
| 2 | TUSHITA SINGH | 12/5/1998 | 18 | CSE | 1ST | 7758057518 |
| 3 | KEERTI BAJAJ | 12/4/1998 | 18 | ECE | 1ST | 7013542899 |

| CHESS (MEN) | | | | | | |
|---|---|---|---|---|---|---|
| S.NO. | NAME | DOB | AGE | BRANCH | SEM. | MOBILE NO. |
| 1 | ROHIT AGRAWAL | 10/9/1997 | 19 | ECE | 1ST | 9028660941 |
| 2 | VAIBHAV HARIHAR AGASTI | 1/3/1998 | 18 | CSE | 1ST | 8379086850 |
| 3 | KARTIK KINGE | 4/8/1998 | 18 | CSE | 1ST | 8975383155 |
| 4 | MAYUR SELUKAR | 12/4/1997 | 19 | ECE | 1ST | 8275741836 |

Total no. of participants – 18

Sports officer/faculty – 03 Ravinder Kumar Sagar, Rajan Parulkar & Anuradha Singh

Note:- HJ- high jump, LJ- long jump, SP- shot put, DT- discus throw, JT- javelin throw

Sports facilities available in the campus

- ✓ Volleyball court
- ✓ Badminton court
- ✓ Table tennis hall
- ✓ Basketball court
- ✓ Yoga hall
- ✓ Chess room
- ✓ Gym Hall

# 5. Human Resources

## 5.1 Staff Position

**Teaching Staff ( On Contract)**

| Categories of the staff | Professor | Associate Professor | Assistant Professor | Total |
|---|---|---|---|---|
| Sanctioned strength | Nil | Nil | Nil | Nil |
| In position strength | Nil | Nil | 05 | 05 |

**Faculty Position in Department**

| Name of the Department | Professor | Associate Professor | Assistant Professor | Total |
|---|---|---|---|---|
| Electronics and Communication | Nil | Nil | 01 | 01 |
| Computer Science and Engineering | Nil | Nil | Nil | Nil |
| Applied Mathematics | Nil | Nil | 02 | 02 |
| Applied Physics | Nil | Nil | 01 | 01 |
| Humanities | Nil | Nil | 01 | 01 |
| Total (in Position) | Nil | Nil | 05 | 05 |
| Total Sanctioned Position | Nil | Nil | Nil | Nil |

**In Physical Education**

| | |
|---|---|
| Lecturer in Physical Education | 01 |

**List of Faculty Members**

| S. No. | Name | Designation | Department | Qualification |
|---|---|---|---|---|
| 1 | Dr. Ankit A. Bhurane | Assistant Professor | Electronics and communication Engineering | B.E., M.Tech., Ph.D. |
| 2 | Dr.Aatish S. Daryapurkar | Assistant Professor | Applied Sciences (Physics) | M.Sc., Ph.D. |
| 3 | Dr.Anuradha Singh | Assistant Professor | Applied Mathematics | M.Sc. , Ph.D., |
| 4 | Dr.SovanSamanta | Assistant Professor | Applied Mathematics | Post Doc., PhD, M.Sc. |
| 5 | Dr.Vivek Kumar Dubey | Assistant Professor | Communication Skills&Humanities | BE, MSME, MSIE, MBA, MA, Ph.D. |
| 6 | Mr. Robin Singh Bhadoria | Teaching Assistant | Computer Science and Engineering | B.E., M.Tech., Ph.D. Submitted |

**List of Visiting Faculty**

**(From Visvesvaraya National Institute of Technology (VNIT) Nagpur)**

| **Sr. No** | **Name of the Visiting Faculty** | **Designation** | **Department** |
|---|---|---|---|
| 1 | Dr. U. A. Deshpande | Associate Professor | Computer Science and Engineering |
| 2 | Dr.RavindraKeskar | Associate Professor | Computer Science and Engineering |
| 3 | Ms.Mansi. A. Radke | Assistant Professor | Computer Science and Engineering |
| 4 | Dr. Ashish Tiwari | Assistant Professor | Computer Science and Engineering |
| 5 | Dr.Avinash Keskar | Professor | Electronics and Communication Engineering |

| | | | |
|---|---|---|---|
| 6 | Dr.B. R.Satpute | Assistant Professor | Electronics and Communication Engineering |
| 7 | Dr.Deep Gupta | Assistant Professor | Electronics and Communication Engineering |
| 8 | Dr.J. Sengupta | Assistant Professor | Electronics and Communication Engineering |
| 9 | Dr.Prabhat Kumar Sharma | Assistant Professor | Electronics and Communication Engineering |
| 10 | Dr. M. R. Ramteke | Associate Professor | Electrical Engineering |
| 11 | Dr. M. A. Chaudhary | Associate Professor | Electrical Engineering |
| 12 | Dr. S. S. Bhat | Associate Professor | Electrical Engineering |
| 13 | Dr. Ashwin Dhabale | Assistant Professor | Electrical Engineering |
| 14 | Dr. Arvind Vyawahare | Assistant Professor | Applied Mechanics |
| 15 | Dr .G. Hemachandra | Associate Professor | Applied Sciences |
| 16 | Dr.R. S. Gedam | Associate Professor | Applied Sciences |

**Non Teaching Group "A" Staff Members**

| S. No. | Name | Designation | Department | Qualification |
|---|---|---|---|---|
| 1 | Dr. Ashwin Kothari | Associate Prof , VNIT<br>Associate Dean , IIITN | Academic administration | Ph D |
| 2 | Mr Kailas Dakhale | Dy Registrar , VNIT<br>additional I/c Registrar at IIITN | Administration | B.E |
| 3 | Mr. Rajan S. Parulkar | Officer on Special Duty | Administration | B.E. |
| 4 | Dr. Ashish Dixit | Associate Officer on Special Duty | Administration | Ph.D.<br>M.B.A , M.E |

**Non teaching Group "B" Staff Members (On Contract)**

| S. No. | Name | Designation | Department | Qualification |
|---|---|---|---|---|
| 1 | Miss. Preeti P. Ghasad | Lab Technician | Electronics & communication Engineering | M. E. |
| 2 | Moh. IrfanMoh. Akram Sheikh | Lab Technician | Computer science & Engineering | M.Sc. |

**Staff Position in Group "C" (On Contract)**

| S. No. | Name | Designation | Educational Qualification |
|---|---|---|---|
| 1. | Mr. Sameer Gudadhe | Office Associate | B. A., M.B.A. |
| 2. | Mr. ShashikantBhongale | Office Associate | M.S.W. |

**Faculty Members with administrative responsibilities**

| S. No. | Name | Designation | Responsibilities |
|---|---|---|---|
| 1 | Dr. Ankit A. Bhurane | Assistant Professor(ECE) | Website In-charge, Hostel Warden(Boys) |
| 2 | Dr.Aatish S. Daryapurkar | Assistant Professor BS (Applied Physics) | Students affairs Council In-charge |
| 3 | Dr.Anuradha Singh, | Assistant Professor BS (Applied Mathematics) | Time Table and Academic Calendar In-charge Hostel Warden(girls) |
| 4 | Dr.Sovan Samanta | Assistant Professor BS (Applied Mathematics) | Exam Controller |
| 5 | Dr.Vivek Kumar Dubey | Assistant Professor | ---- |
| 6 | Mr. Robin Singh Bhadoria | Teaching Assistant | Server Room In charge |

# 6. Research Publication

## 6.1 List of selected publications

**A. Electronics & Communication Engineering**

- **Ankit A. Bhurane**, Prateek R. Chaplot and Vikram M. Gadre, "Spatial Resolution Enhancement Residual coding using Wavelets and Directional Filter Banks," Springer Sadhana, Vol. 40, No. 7, pp. 2163- 2176, 2015.
- **Ankit A. Bhurane**, Prateek R. Chaplot and Vikram M. Gadre, "Scalable Video Coding Systems: Basics, Open-Source Approaches and Advances," PARITANTRA - Journal of Systems Science & Engineering, Vol. 21 & 22, No. 1, pp. 19-28, 2013.
- **Ankit A. Bhurane**, Sanjay N. Talbar and Preeti N. Gophane, "Comparative Analysis of Conventional, Real and Complex Wavelet Transforms for Face Recognition," International Journal of Computer Applications, Foundation of Computer Science, New York, USA, Vol. 39, No. 6, pp. 6-12, 2012.

**B. Computer Science & Engineering**

- **R. S. Bhadoria**, N. S Chaudhari, S. Samanta, "Uncertainty in Sensor Data Acquisition for SOA System", Springer Neural Computing and Applications (NCAA), pp. 1-12, 2017.
- **R. S. Bhadoria**, N. S Chaudhari, "Pragmatic Sensory Data Semantics with Service-Oriented Computing", IGI Global Journal of Organisational and End User Computing (JOEUC), 2017.
- **R. S. Bhadoria**, N. S. Chaudhari, and G. S. Tomar, "The Performance Metric for Enterprise Service Bus (ESB) in SOA System: theoretical underpinnings and empirical illustrations for information processing", Elsevier Information Systems, Vol. 65, pp. 158-171, 2016.
- **R.S. Bhadoria**, "Performance Analysis for Enterprise Service Bus in SOA System", International Journal of IT business Strategy Management, Vol. 1, No.1, 2015.
- R. Yadav, **R.S. Bhadoria**, and A. Suri,"GPU-accelerated Large Scale Analytics using MapReduce Model", International Journal Hybrid Information Technology, Vol.8 No.6, 2015.
- **R. S. Bhadoria**, G. S. Tomar, S. Kang,"Proficient Energy Consumption Aware Model in Wireless Sensor Network", International Journal of Multimedia and Ubiquitous Engineering,Vol.9, No.5, 2014.

**C. Department of Basic Sciences**

**Applied Physics**

- JayantKolte, **A.S. Daryapurkar**, D. D. Gulwade, P. Gopalan "Microwave sintered Bi0.90La0.10Fe0.95Mn0.05O3 nanocrystalline ceramics: Impedance and modulus spectroscopy" Ceramics International,Vol. 42,pp. 12914-12921, 2016.

- J. T. Kolte, Paresh H. Salame, **A. S. Daryapurkar**, P. Gopalan "Impedance and AC conductivity study of nano crystalline, fine grained multiferroic bismuth ferrite (BiFeO3),synthesized by microwave sintering" AIP ADVANCES, Vol. 5, pp. 097164-097175, 2015.
- **A.S. Daryapurkar**, J.T. Kolte, P. Gopalan "Influence of oxygen gas pressure on phase, microstructure, and electrical properties of Sodium Bismuth Titanate thin films grown using pulsed laser deposition" Thin Solid Films, Vol. 579, pp. 44-49, 2015.
- **A.S. Daryapurkar**, J.T. Kolte, P.R. Apte, P. Gopalan "Structural and electrical properties of sodium bismuth titanate (Na0.5Bi0.5TiO3) thin films optimized using the Taguchi approach" Ceramics International, Vol. 40, pp. 2441–2450, 2014.
- **A.S. Daryapurkar**, J.T. Kolte, P. Gopalan "Growth of PseudocubicPerovskite-Type SrRuO3 thin films on quartz substrate using pulsed laser deposition method" J. Mater Sci: Mater. Electron, Vol. 24, pp. 4698- 4703, 2013.
- **A S. Daryapurkar**, J. T. Kolte and P. Gopalan "Growth and Characterization of Na0.5Bi0.5TiO3Thin Films with BaTiO3 Buffer Layer (Study of Au/Na0.5Bi0.5TiO3/BaTiO3/Pt Capacitor)" Ferroelectrics, Vol. 447, No. 1, pp. 46–55, 2013.
- J. T. Kolte, **A. S. Daryapurkar**, P. Apte and P. Gopalan "Structural and Electrical Characterization of La and Mn Co-Substituted Bismuth Ferrite Thin Films" Ferroelectrics, Vol. 448, No. 1,pp. 42–49, 2013.
- **A S. Daryapurkar**,J. T. Kolteand P. Gopalan "Growth and Characterization of $Na_{0.5}Bi_{0.5}TiO_3$Thin Films with $BaTiO_3$ Buffer Layer (Study of Au/$Na_{0.5}Bi_{0.5}TiO_3$/$BaTiO_3$/Pt Capacitor)" **Ferroelectrics,** 447 (1) (2013) 46–55.
- J. T. Kolte, **A. S. Daryapurkar**, P. Apte and P. Gopalan "Structural and Electrical Characterization of La and Mn Co-Substituted Bismuth Ferrite Thin Films" **Ferroelectrics,** 448 (1) (2013) 42–49.
- A.U. Ubale, **A.S. Daryapurkar,** R.B. Mankar, R.R. Raut, V.S. Sangawar& C.H. Bhosale "Electrical and optical properties of Bi2S3 thin films deposited by Successive Ionic Layer Adsorption and Reaction (SILAR) method" **Materials Chemistry and Physics,** 110 (1) (2008) 180-185.
- A.U. Ubale, R. B. Mankar, **A. S. Daryapurkar**, R.R. Raut and V.S. Sangawar "Structural and optical properties of nanostructure PbS thin films chemically deposited at room temperature" **Indian Journal Physics**, 81(5) (2007) 555 – 565.
- A. U. Ubale, N. A. Wadibhasme, **A. S. Daryapurkar**, R. B. Mankar& V. S. Sangawar "Thickness dependent structural, electrical and optical properties of chemically deposited nanoparticle PbS thin films" **Turkish Journal of Phys** 31 (2007) 279 – 286

**Mathematics**

- **Anuradha Singh** and J. P. Jaiswal: An Efficient Family of Optimal Fourth-Order Iterative Methods for Finding Multiple Roots of Nonlinear Equations, Proceedings of the National Academy of Sciences, India, Section A: Physical Sciences Springer, Volume 85, Issue 3, pp 439-450, 2016.
- **Anuradha Singh** and J. P. Jaiswal: Improving R-order convergence of iterative free with memory method by two self-accelerator parameters, Mathematical Analysis and its Applications, Vol. 143, pp. 501-508, 2015.
- **Anuradha Singh** and J. P. Jaiswal: An Efficient Family of Optimal Eighth-Order Iterative Methods for Solving Nonlinear Equations and its Dynamics, Journal of Mathematics, Vol. 2014, Article ID 569719, 14 pages.
- **Anuradha Singh** and J. P. Jaiswal: Several New third-order and fourth-order iterative methods for solving nonlinear equations, International Journal of engineering Mathematics, Volume 2014,ID 828409, 11 pages.
- **S. Samanta** and B. Sarkar, "Generalized fuzzy trees", InternationalJournal of Computational Intelligence Systems, Vol. 10, pp. 711–720, 2017.
- M. Akram, **S. Samanta** and M. Pal, "Cayley vague graphs", The Journal of fuzzy mathematics, Vol. 25, No. 2, pp. 449-462, 2017.
- **S. Samanta**, B Sarkar, D. Shin, and M.Pal, "Completeness and regularity of generalized fuzzy graphs", Springer Pus, Vol. 5:1979, pp. 1-14, 2016.
- H. Rashmanlou, **S. Samanta**, R. Boorzooei, and M. Pal, "A study on vague graphs, Springer Plus, Vol. 5:1234, 2016.
- **S. Samanta**, M. Pal, H. Rashmanlou, R. A. Borzooei, "Vague graphs and Strengths", Journal of Intelligent and Fuzzy systems, Vol. 30, pp. 3675-3680, 2016.
- R. A. Borzooei, **S. Samanta**, H. Rashmanlou and M. Pal, "New concepts of vague competition graphs", Journal of Intelligent and Fuzzy systems, Vol. 31, pp. 69–75, 2016.
- R. A. Borzooei, **S. Samanta**, H. Rashmanlou and M. Pal, "A Study on Fuzzy Labelling Graphs", Journal of Intelligent and Fuzzy systems, Vol. 30, pp. 3349-3355, 2016.
- R. A. Borzooei, **S. Samanta**, H. Rashmanlou and M. Pal, "Regularity of vague graphs", Journal of Intelligent and Fuzzy systems, Vol. 30, pp. 3681-3689, 2016.
- **S. Samanta** and M. Pal, "Fuzzy Planar Graphs", IEEE Transaction on Fuzzy Systems, Vol. 23, No. 6, pp. 1936- 1942, 2015.
- H. Rashmanlou, **S. Samanta**, R. A. Borzooei and M. Pal, "Bipolar Fuzzy Graphs with Categorical Properties", International Journal of Computational Intelligence Systems, Vol. 8, No.5, pp. 808-818, 2015.
- H. Rashmanlou, **S. Samanta**, R. A. Borzooei and M. Pal, "A Study on Bipolar Fuzzy Graphs", Journal of Intelligent and Fuzzy systems, Vol. 28, pp. 571–580, 2015.

- H. Rashmanlou, **S. Samanta**, R. A. Borzooei and M. Pal, "Product bipolar fuzzy graphs and their degree", International Journal of General Systems, Vol. 45, No. 1, pp. 1-14, 2016.
- T. Pramanik, **S. Samanta**, B. Sarkar and M. Pal, "Fuzzy phi-tolerance competition graph", Soft Computing,pp. 1-12, 2016.
- T. Pramanik, **S. Samanta**, and M. Pal, "Interval-valued fuzzy planar graphs", International Journal of Machine Learning and Cybernetics, Vol. 7, No. 4, pp. 653-664, 2014.

**D. Communication and Humanities**

- V. Dubey, D. Veeramani, "A framework for sizing an automated distribution center in a retail supply chain", Simulation Modelling Practice and Theory, Vol. 75, pp. 113–

## 6.2 List of selected papers presented at National/International conference

**A. Electronics & Communication Engineering**

- **Ankit A. Bhurane**, HarshalNishar, Hardik Agarwal, Ashwin Kothari and Vikram M. Gadre, "Spectral Approaches for Motion Intensity Estimation in Video Coding," IEEE National Conference on Communications NCC 2016, IIT Guwahati 2016.
- **Ankit A. Bhurane**, DushyanthNutulapati and Vikram M. Gadre, "A Novel Content-based Adaptive Scalability Mode Selection for Scalable Video Coding," IEEE International Conference on Signal Processing and Communication SPCOM 2014, IISc Bangalore, 2014.
- Sushanth G. Sathyanarayana, **Ankit A. Bhurane**, and Shankar M. Venkatesan, "Adaptive, Scalable, Transform-domain Global Motion Estimation for Video Stabilization," In proceedings of Second International Conference on Signal, Image Processing and Pattern Recognition (SPPR) 2013.

**B. Computer Science & Engineering**

- N.Chaudhari, **R. S. Bhadoria**, S. Prasad,"Information Handling and Processing using Enterprise Service Bus in Service-Oriented Architecture System", IEEE International Conference on Computation Intelligence & Computer Network (CICN), Tehri, Uttarakhand, India, Dec 2016.
- K. S. Jadon, **R. S. Bhadoria**, G. S.Tomar, "Costing Issue in Big Data Analytics", IEEE International Conference on Computation Intelligence & Computer Network (CICN), Jabalpur, India, Dec 2015.
- R. Yadav, **R. S. Bhadoria**, "Performance Analysis for Android Runtimes Environment", IEEE International Conference on Communication System & Network Technologies (CSNT), Gwalior, India, April 2015.
- P. K. Das, **R. S. Bhadoria**, G. C.Deka, "Comparative Study of Proactive Protocol of Mobile Ad-Hoc Network", IEEE International Conference on Communication System & Network Technologies (CSNT), Gwalior, India, April 2013.
- A.Chaurvedi, D. Tiwari, **R. S. Bhadoria**, M.Dixit,"Route Discovery Protocols for Optimizing the Power Consumption in Wireless Ad-Hoc Network", IEEEInternational

Conference on Communication System & Network Technologies (CSNT), Gwalior, India, April 2013.

- Participation by R. S. Bhadoria at IEEE International Conference on Computation Intelligence & Computer Network (CICN) at Tehri, Uttarakhand during 23-25 Dec 2016.
- Participation by R. S. Bhadoria at International Conference on Idea of Bharat at Indira Gandhi National Open University, New Delhi during 23-25 Feb 2017.

**C. Department of Basic Sciences**

**Applied Physics**

- **A S. Daryapurkar**, J. T. Kolte and P. Gopalan "Effect of Barium Titanate buffer layer on dielectric properties of Sodium Bismuth Titanate thin films grown using Pulsed Laser Deposition" ISAF-ECAPDPFM, at Aveiro Portugal, July 2012.
- J. T. Kolte, **A. S. Daryapurkar**, P. Apte and P. Gopalan "Effect of oxygen pressure on the structural, electrical properties of Bi0.90La0.10Fe0.95Mn0.05O3 thin films and characterization for memory applications" ISAF-ECAPD-PFM, at Aveiro Portugal, July 2012.
- Vijay Singh, **A. S. Daryapurkar**, S. Rajput, S. Mukherjee, Ashish Garg, Rajeev Gupta " Controlling Leakage in Magnetoelectric Gallium Ferrite by Aliovalent Doping" ICMAT & IUMRS-ICA,Suntec, Singapore, July 2015.
- **A. S. Daryapurkar**, J. T. Kolte, A. Mangal, P. Gopalan "Effect of substrate on microstructure and electrical properties of SrRuO3 and LaNiO3 thin films grown using PLD" 5 th National Symposium for Materials Research Scholars (MR 13), IIT Bombay, May 2013.
- J. T Kolte, **A. S. Daryapurkar**, P. Gopalan "Structural and interfacial analysis of Bismuth Ferrite ($BiFeO_3$) thin films deposited by pulsed laser deposition" **Conference on Frontiers in Materials Science**, 25–26$^{th}$ Nov, 2011 at VES College, **Mumbai India** (ISBN 978-81-923044-0-3).
- **A.S.Daryapurkar**, J.T.Kolte, P.R.Apte, P.Gopalan "Optimization of Laser Ablation Parameters to simultaneously improve dielectric and ferroelectric properties of $Na_{0.5}Bi_{0.5}TiO_3$ (NBT) thin films using Taguchi method" **International Conference on Materials for Advanced Technologies at Suntec,Singapore**, 26th June-2nd July 2011 (ICMAT 2011), ISSN No. – 1793-3609.
- **A.S.Daryapurkar**, J.T.Kolte, D.D.Gulwade and P.Gopalan "Synthesis of high density NBT ceramics by solid state reaction" **National Symposium for Material Research Scholars (MR 10) IIT Bombay,** May 6-8$^{th}$, 2010
- **A.S.Daryapurkar**, J.T.Kolte, D.D.Gulwade and P.Gopalan "Effect of oxygen pressure on surface morphology and electrical properties of pulsed laser deposited BaTiO3 thin films" **National Symposium for Material Research Scholars (MR 08) IIT Bombay,** May 17-18$^{th}$, 2008

**Mathematics**

- **Anuradha Singh** and J. P. Jaiswal, "Another approach of finding family ofiterative methods" International Conference On "Recent Advances inMathematical Sciences and Applications" (December 24-26, 2013),Organized By Deptt. of Applied Mathematics, University Institute ofTechnology, RGTU, Bhopal (M.P).
- J. P. Jaiswal and **Anuradha Singh**, "Integrability of Distributions in GCR-lightlikeSubmanifolds of Indefinite Sasakian Manifold " 18 Annual cum 3rdInternational Conference of Gwalior Academy of Mathematical SciencesOn "Mathematical Computational and Integrative Sciences" (September 22-26, 2013), Organized By Deptt. of Mathematics, Maulana Azad NationalInstitute of Technology, Bhopal (M.P).

**D. Communication and Humanities**

- D. Veeramani, A. Krishnamurthy, V. K. Dubey, and T. Martagan, "A decision-making framework for automating distribution centers in a retail supply chain," IEEE Conference on Automation Science and Enginering presentation, 2013.

# 7. Books Authored

- G. S.Tomar, N. S.Chaudhari, **R. S. Bhadoria**, G. C.Deka, "The Human Elements of Big Data: Issues, Analytics & Performance", Publisher: CRC Press (Taylor & Francis Group, UK), ISBN: 9781498754156, 2016.
- **R. S. Bhadoria**, N. S.Chaudhari, G. S.Tomar, S. Singh,"The Enterprise Service Bus in the Service-Oriented Architecture Paradigm", Publisher: IGI Global Inc. (USA), ISBN:9781522521570, 2017.
- R. Armentano, **R. S. Bhadoria**, P. Chatterjee, G. C.Deka, "The Internet of Things: Foundation for Smart City, eHealth and Intelligent Ubiquitous Computing", Publisher: CRC Press (Taylor & Francis Group, UK), ISBN:9781498789028, 2017.

# 8. Research & Development Project

## 8.1 Research& Development Project

**Department of Basic Sciences**

**Applied Sciences**

| Sr. No. | Project Title | Funding Agency | Cost of Project | Investigator | Present status of the project |
|---|---|---|---|---|---|
| **1** | Electrospinning of lead-free $NBTBT_6$ based materials for sensors and energy harvesting applications | Science and Engineering Research Board (SERB) - Department of Science and Technology, India | ~ Rs. 40/- lakhs | Dr.Aatish S. Daryapurkar | Approved |
| **2** | EEG data classification of Epilepsy patients using N-Dimensional feature extraction techniques | Interdisciplinary Cyber Physical Systems (ICPS) Programme, Department of Science and Technology, India | ~ Rs. 31/- lakhs | Dr. Ankit A. Bhurane | Submitted |

# 9. Innovation and Technology Transfer

| Name of the Faculty/Student | Details of Investigation and Technology transfer | details of participation in Competition |
|---|---|---|
| **Dr.Aatish S. Daryapurkar**<br>KartikKinge (BT16ECE003)<br>Aunshri Laddha (BT16ECE010)<br>Rohit Agrawal (BT16ECE015) | **Gesture controlled Car** | Technex'17, National Level Techfest of St. Vincent College of Engineering, Nagpur. |

Our Team had participated in Techex'17 on 27th and 28th January, The annual National level techfest of St.Vincent Palloti College of Engineering, Butibury, Nagpur in the event AUT-O-FLIT .The competition on Gesture Controlled Robotics.







| Name of the Faculty/Student | Details of Investigation and Technology transfer | details of participation in Competition |
|---|---|---|
| **Dr.Aatish S. Daryapurkar**<br>Kartik Kinge (BT16ECE003)<br>Rohit Agrawal (BT16ECE015) | **Gravity based Green Energy Lamp** | Best Innovation Awards 2017, G.H Raisoni College of Engineering, Nagpur and Pune |

A two-member team of Indian Institute of Information Technology Nagpur (IIITN), Kartik Kinge and Rohit Agrawal from ECE branch participated in the competition "Best Innovation Awards-2017" and won the second prize. This competition was held by GHR Labs and Research Center to create an Ecosystem for Entrepreneurship and inculcating the spirit of Innovation amongst young budding researchers & Innovators. The project was shortlisted for level I and further level II from Nagpur Zone. In level III, among 136 projects shortlisted from the Nagpur Zone, this project secured second place. Level III was organized at G. H. Raisoni College of Engineering and Management, Pune on 25th Mar 2017.



The Hitavada
NAGPUR ■ Thursday ■ April 6 ■ 2017
CityLine 3

**'IIITN students design device that converts gravitational energy into electrical energy'**

■ Principal Correspondent

A TWO-MEMBER team of Indian Institute of Information Technology Nagpur (IIITN), Kartik Kinge and Rohit Agrawal from ECE branch bagged second prize in the competition "Best Innovation Awards-2017".

The competition was held by GHR Labs and Research Center to create an ecosystem for entrepreneurship and inculcate the spirit of innovation amongst young researchers and innovators. The project was shortlisted for Level I and later Level II from Nagpur Zone. In Level III, among 136 projects shortlisted from the Nagpur Zone, this project secured second place. Level III was organised at GH Raisoni College of Engineering and Management, Pune.

Dr Aatish Daryapurkar who is a project advisor and student affair council In-charge, said, the institute always encourages students to actively participate in technical, cultural and sports events which are held throughout the nation for overall development.

Furthermore, Dr Aatish Daryapurkar, said, "The team had designed a device which can convert gravitational energy to electrical energy through mechanical energy. Presently, we have very limited conventional sources of energy such as coal, petroleum, natural gas, etc., which we have been using for an extended period. The non-conventional sources of energy such as energy from Sun, wind, biomass, geo-thermal energy and even energy from the waste material are gaining importance. Such energy sources are in abundant, renewable, pollution-free and eco-friendly. However, such energy is not available for all time and at all the places.

"The device developed by the students is portable. We can generate electricity for 24 hours using gravitational force through mechanical energy. Generated electricity can be used for various applications like to light up a study lamp, charging cellphones, laptop, and other gadgets and devices. We can also store generated electricity for further use," informed Dr Daryapurkar.

Lauding the *alma mater* and its faculty for support, the winning team said, "IIIT Nagpur always gives us opportunities to participate in various workshop and technical competitions. Every day, every new opportunity helps us hone our skills."

Dr Narendra S Chaudhari (Mentor director of IIITN) and Dr Ashwin Kothari (Associate Dean of IIITN) congratulated a team and gave best wishes for their achievement.

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विविधा

लोकसत्ता

# गुरुत्वीय ऊर्जेचे विद्युत ऊर्जेत रूपांतर

## 'ट्रिपलआयटी'च्या विद्यार्थ्यांकडून उपकरण निर्मिती

प्रतिनिधी, नागपूर

**गुरुत्वीय ऊर्जा म्हणजे काय?**

# 10. Seminar/ Summer Schools/ Short term Courses/ Lecture Series/ Workshops/Symposiums/Conferences

| Name of the Coordinator | Title | Duration |
|---|---|---|
| **Dr. Ankit Bhurane**<br>**Dr.Aatish S. Daryapurkar** | Embedded Systems and Internet of Things (IoT) | 25th and 26th March 2017 |

Indian Institute of Information Technology, Nagpur (IIITN) in association with Technovision technologies, Wardha conducted a certified two-day workshop on 25th and 26th March 2017, on "Embedded Systems and Internet of Things (IoT)". The experts Mr. Swapnil Katole and Mr. Rahul Fating conducted several sessions on interfacing of various I/O devices including lights, motors, sensors, with basic Embedded Boards using Embedded C programming and Arduino Libraries. The interconnection of wireless devices using internet and embedded programming was also covered. The event was executed in groups among which several healthy competitions were conducted. Participants from different levels ranging from Bachelor's, Master's and Faculty members from various colleges took part in the workshop.

Event coordinator Dr. Ankit A. Bhurane said "The aim of such workshops is to provide a platform for hands-on experience on state-of-the-art technologies in which people from various levels can participate, interact and share their expertise. We are going to conduct a series of such workshops on a not-for-profit basis. Soon we shall be conducting a summer workshop targeting various tools required for scientists and engineers". The details about the upcoming workshops can be obtained through the official website of IIITN "www.iiitn.ac.in".

The student affair council In-charge Dr.AatishDaryapurkar said "We have received a very good response to this two-day workshop. However, due to limited seat availability, we have to finalize the participants on first-come, first-serve basis. We always focus on giving affordable and top quality training without compromising the content of the workshops."

The event was blessed by chief guests Dr. Kishore Bhurchandi, Associate Professor and well-known resource person in the area on Embedded Systems and Dr. Ashwin Kothari, Associate Dean of IIIT Nagpur. Dr. K.M. Bhurchandi addressed the participants about the importance and evolution of embedded systems and how they are playing vital role in smart living.


भारतीय सूचना प्रौद्योगिकी संस्थान, नागपुर
Indian Institute of Information Technology, Nagpur
welcomes you to
A Two-day Workshop
on
"Embedded Systems and Internet of Things (IoT)"
(25th and 26th March 2017)
In Association with



12 CityLine The Hitavada
NAGPUR ■ Friday ■ March 17 ■ 2017

# Workshop on embedded systems and IoT at IIIT-N

■ Staff Reporter

INDIAN Institute of Information Technology Nagpur (IIITN) is heading its way towards the advancement in information technology by partnering itself with various companies. IIITN in association with Technovision Technologies is conducting a two-day workshop on 'Embedded Systems and Internet of Things (IoT)' on March 25 and 26. The event coordinators said, "The workshop will provide platform to get hands-on experience of various technologies. We shall be conducting a series of such workshops and lectures which will be delivered by experts in the field. This would directly target various requirements in the industries and would help students to be in pace with the technology."

Such workshops and lecture series shall be useful not only to the students but also to the faculties in enhancing their skills and reduce inhibition gap between students and faculties. As a very first workshop, IIITN is focusing on Embedded Systems and IoT. The pre-registrations for this limited seat workshop are opened via its official website www.iiitn.ac.in.

लोकसत्ता
कॅम्पसकट्टा

# ट्रीपल आयटीमध्ये दोन दिवसांची कार्यशाळा

इंडियन इन्स्टिट्यूट ऑफ इन्फर्मेशन टेक्नॉलॉजी (आयआयआयटी) आणि वर्धेच्या टेक्नोव्हिजन टेक्नॉलॉजीज यांच्या संयुक्त विद्यमाने दोन दिवसांची वर्कशॉप २५ आणि २६ मार्चला 'एम्बेडेड सिस्टिम्स अँण्ड इंटरनेट ऑफ थिंग्ज' (एलओटी) या विषयावर





बोलण्यासाठी स्वप्नील काटोले आणि राहुल फरिंग यांना पाचारण करण्यात आले होते. या दोघांनी लाईट्स, मोटार्स, सेन्सर्स आणि बेसिक एम्बेडेड बोर्ड्स या वर्कशॉपमध्ये काही सपशील घेण्यात आल्या. त्यात भाग घेणारे वेगवेगळ्या महाविद्यालयाचे विद्यार्थी

पदवी, पदव्युत्तर आणि प्राध्यापकही होते. वर्कशॉपचे समन्वयक डॉ. अनिकेत खुजाणे म्हणाले, वेगवेगळ्या अभ्यासक्रमांना शिकणाऱ्या विद्यार्थ्यांना एकाच व्यासपीठावर आणून त्यांच्या संवाद घडवणे हे वर्कशॉपचे उद्दिष्ट होते. यास्वरूपाचे वर्कशॉप संस्थेच्यावतीने या नंतर ही लोटा या बेसिसवर राबवले जातील. तसेच या प्रकारचे उपक्रम वर्कशॉप घेण्याचे सुयोग्यही त्यांनी यावेळी केले. यावेळी विद्यार्थी

करण्याचे प्रमुख डॉ. अतीष दर्यापूरकर यांनी दोन दिवसांच्या वर्कशॉपला विद्यार्थ्यांकडून मिळालेल्या प्रतिसादाचे कौतुक केले. मात्र, मर्यादित जागांमुळे जास्त विद्यार्थ्यांना सहभागी होता आले नाही, अशी खंतही त्यांनी व्यक्त केली. यावेळी प्रमुख पाहुणे म्हणून प्राध्यापक डॉ. किशोर भुर्सी आणि सहयोगी अधिष्ठाता डॉ. अजितसिंग कोठारी उपस्थित होते. त्यांच्यांनी मार्गदर्शन विद्यार्थ्यांना लाभले.

# 11. Departmental Laboratories

Laboratories with the planned schedule of classes which is already underway, the Laboratories are providing controlled conditions for conducting Research, Experiments and Measurements. The Laboratories at IIIT Nagpur are reservoirs of opportunity, energy, innovation and growth. Presently, the Institute is equipped with 7 laboratories.

**Department of Electronics & Communication Engineering**

1. Analog Electronics Lab (ECL_101)
2. Digital Electronics Lab (ECL_102)

**Department of Computer Science Engineering**

1. Computer Programming (CSL_101)
2. Data Structures (CSL_102)
3. Application Programming (CSL_103)

**Department of Basic Engineering**

1. Elements of Electrical(BEL_102)(Under Development)
2. Engineering Drawing Lab
3. Mechanics and Graphics (BEL_101)

**Department of Basic Sciences**

1. Applied Sciences Lab (ASL_101)
2. Communication Skills (HUL_101)

# 12. Library and Information

**General information about the library**

Central Library an area of about Approx.600 sq.feet. It contains a Reading Hall wherein 50 readers can be accommodated at a time, having a collection of about 318 books and a sitting capacity of 50 readers at a time.

**Membership**:

- The membership of the Central Library is open to students, teachers and other administrative and staff of the Institute.
- Working Hours The Library working hours are from 9:30 am to 5:30 pm.The library remains open till 0100 hrs on all days during examinations.
- The library members, according to their borrowing category can borrow stipulated number of books at a time.

**Library Resources:**

- The Library has a rich collection of books in the field of Electronics Communication Engineering,Computer Science Engineering including Mathematics, Physics, Mechanics and Graphics, Environmental Sciences and also in the field of Humanities and Social Science including English and Economics.
- The Library also subscribes 3 Newspapers (1 Hindi,1 English and 1 Marathi).
- Library also has good collection including text books, reference books and magazines for various competitive exams such as GATE etc.

**Any other information not covered above**:

- Reference material is issued for the use in the library only.
- Renewal of issued material is done two times per book.
- Fine is imposed for late return, lost or damage of books.
- Reading facility: A portion of Library has been segregated as an independent reading area for users where they can bring their personal laptops, textbooks and other materials for reading purpose.
- The Net cost of the books is Rs. 2 Lacs.

# 13. Other Facilities

## 13.1 Hostel

a) Number of Hostels :2 ( 1 for Girls and 1 for Boys)

**Bhaskar Bawan Wing "C"**

Triple seated – 32 Rooms **(1 Doctor +1 Counsellor Room)**

**Bhaskar Bhawan Wing "B"**

Triple seated - 32 Rooms

## 13.2 Number of classrooms and their capacity

80 Capacity – 1 Classroom

60 Capacity – 3 Classroom

40 Capacity – 3 Classroom

## 13.3 Number of Playground : 02

## 13.4 Number of Gymnasium : 01

## 13.5 Number of Seminar hall / Conference hall : 01

## 13.6 Any other facilities:

Health Centre, Recreation Room, Canteen

# 14. Extracurricular Activities and event as per MHRD guidelines

## List of the program organized from July 2016 to December 2016

| Sr. No. | Name of the Program | Date |
|---|---|---|
| 1 | Welcome and Orientation Program | 9th August 2016 |
| 2 | 70th Independence Day | 15th August 2016 |
| 3 | Celebration Teacher day and Engineer's day | 21st September 2016 |
| 4 | Celebration of Gandhi Jayanti and Swachh Bharat Abhiyan | 3rd October 2016 |
| 5 | Vigilance awareness week (31stoct – 5th Nov 2016) - Pledge | 3rd November 2016 |
| 6 | Rashtriya Ekta Sapthah | 3rd and 4th November 2016 |
| 7 | Constitution Day (26th November) | 25th November 2016 |

## List of the program organized from Jan 2017 to March 2017

| Sr. No. | Name of the Program | Date |
|---|---|---|
| 8 | Institute Gathering (IG 2017) | 21st and 22nd Jan 2017 |
| 9 | 68th Republic Day | 26th Jan 2017 |
| 10 | Celebration Matribhasha Diwas | Feb 2017 |
| 11 | First cultural event "Abhivyakti 2017" | 18th and 19th March 2017 |
| 12 | A two day workshop on "Embedded Systems and Internet of Things (IoT) | 25th and 26th March 2017 |
| 13 | Industrial visit "Visit to TCS" | 7th April 2017 |

| Sr. No. | Name of the Program | Date |
|---|---|---|
| 1 | Welcome and Orientation Program | 9th August 2016 |

The Orientation programme of B.Tech first year students of IIIT, Nagpur was held on 9th August 2016 at IIIT campus, BSNL Regional Telecom Training Centre (RTTC), Seminary Hills, Nagpur.

The ceremony was started at 12.30 AM at the institute in the esteemed presence of Dr. Narendra Chaudhary (Mentor Director), Dr. Ashwin Kothari (Associate Dean), Mr. Kailas Dakhale (I/c Registrar), all faculty members, administrative staffs, non-academic staff and all students. Dr. Narendra Chaudhary welcomed all the students and expressed his views and addressed all the faculty members, staff members and students. The director highlighted the academic and infrastructural of IIIT Nagpur. He also encouraged the students for innovative thinking. Dr. Ashwin Kothari (Associate Dean) has given the opening remarks and introduced all the faculties and staff members. The vote of thanks proposed by Shri Kailas Dakhale(I/c Registrar) followed by refreshment.



| Sr. No. | Name of the Program | Date |
|---|---|---|
| 2 | 70th Independence Day | 15th August 2016 |

## Let's salute the nation on this auspicious day!

India's Independence Day is celebrated throughout India on 15th August every year by all proud Indians. IIIT Nagpur also celebrated India's 70th Independence Day with great enthusiasm this year at the IIIT campus, BSNL Regional Telecom Training Centre (RTTC), Seminary Hills, Nagpur.

The ceremony started at 9:15 AM at the Institution the esteemed presence of Dr. Narendra Chaudhary (Mentor Director), Dr. Ashwin Kothari (Associate Dean), Dr.R.R.Yerpude (Advisor), Mr. Kailas Dakhale (I/c Registrar), all faculty members, administrative staffs, non-academic staffs and all students. Anchors welcomed the directorand all the dignitaries and introduced the gathering.Dr. Narendra Chaudhary was given Guard of honor.







At 9:30 A.M., Dr. Narendra Chaudhary unfurled the Tricolour flag and all in unison sang the national anthem and expressed the joy of our freedom.

Whole program was anchored by Vaibhav Agasti and Yashika Bajaj. After the flag hoisting, a student from B.Tech.-CSE, Mayur Selukar, shared his views on this occasion. He talked about the significance of the day and the progress of India in the field of Sports, Science etc.

Cultural activities were performed by the students. Students sang patriotic songsandawakened everyone's feelings towards our mother land. Further, apatriotic dance was performed by the students on the occasion of Independence Day.







Later, Dr. Narendra Chaudhary expressed his views and addressed all the faculty members, staff members and students. The director highlighted the academic and infrastructural progress of IIIT Nagpur. He also encouraged the students for innovative thinking.

On the occasion of Independence Day, a tree plantation program was conducted. All the dignitaries along with faculty members and students planted trees & showed their support to clean and green India. All the administrative and non-academic staff members participated with enthusiastically in this event.



The complete program was coordinated by Dr.AatishDaryapurkar, faculty of Applied Sciences. The cultural event was guided by Dr.Anuradha Singh, faculty of Mathematics. Over all ground decoration and management was handled by Mr. Ravinder Kumar Sagar, Sports and Yoga Instructor. Whole program was supported by Dr.Vivek Kumar Dubey, faculty of Humanities, Mr. RajanParulkar, Officer on special duty and Dr. Ashish Dixit, Associate officer on Special duty. The Program concluded with the vote of thanks.

It was a day of joy, a day to love and respect our country and make it a better place for Indians to live and experience the freedom, peace and unity in diversity.

| Sr. No. | Name of the Program | Date |
|---|---|---|
| 3 | Celebration Teacher day and Engineer's day | 21st September 2016 |

Birth anniversary of Late Dr.SarvapelliRadhakrishnan is celebrated every year as Teachers' Day on 5th of September all over the nation.Also Late M.Visvesvaraya's birth anniversary is celebrated as Engineers' Day on 15th of September.Both these days are celebrated with great enthusiasm all over the nation.The former one is done to pay tribute to those who are backbone of society, who are true inspiration and motivation for their students, that are, Teachers whereas latter one is celebrated to salute those innovative, creative mind who makes our life easy, that are, Engineers.

IIIT Nagpur also celebrated both of these important days with great enthusiasm at campus.The function was scheduled at 12 noon. The chief invitees Dr.Ashwin Kothari(Associate Dean), Mr.KailasDhakhale (I/c Registrar), all IIITN faculty and staff members were welcomed to function by IIITN students in Indian traditional way i.e., by applying "Tilak" on forehead.

Thereafter, Tejas Tidke (CSE) and Keerti Bajaj (ECE) welcomed all the dignitaries, teachers, staff members and students. Program, then proceeded by worshiping Goddess Saraswati (Goddess of Knowledge) and garlanding photographs of Late Dr S Radhakrishnan and Late M Vivesvararya. All dignitaries and teachers then enlightened the lamp. Hereafter, started a program where students presented their gratitude towards teacher in many forms. All the dignitaries, teachers and staff members were then presented with a token of love and gratitude.

Then, Ms. Anushri Laddha (ECE) and Master Parth Wazurkar (CSE) presented their views on importance of Teachers' in one's life and Engineers' Day. The trend of speeches continued and ambience of program soon turned knowledgeable as Dr Aatish Daryapurkar, Dr. Vivek Kumar Dubey and Dr. Ashwin Kothari uttered their golden words. Their speeches brought flood of positive and inspirational thoughts in all young minds present over there.

Vote of thanks was given by Ms. Aayesha Bassey (CSE) and in this way under the guidance of Dr. Aatish Daryapurkar, all organizing committee members made program a grand success.







| Sr. No. | Name of the Program | Date |
|---|---|---|
| 4 | Celebration of Gandhi Jayanti and Swachh Bharat Abhiyan | 3rd October 2016 |

## Let's follow the ideals of BAPU!

On 2nd October 2014, Prime Minister Narendra Modi launched the Swachh Bharat Abhiyan, a national campaign to achieve the goal of clean India. To support this abhiyan, Indian Institute of Information Technology Nagpur has also celebrated Gandhiji 's birth anniversary by contributing the efforts in cleaning the campus area with great enthusiasm at IIIT campus, BSNL Regional Telecom Training Center (RTTC),Seminary Hills ,Nagpur.



On 2nd October, the ceremony was organized to celebrate 147th birthday of the Father of Nation – Mahatma Gandhi. Keerti Bajaj (ECE) welcomed all the dignitaries and introduced the gathering. Following the words of Dr. Aatish Daryapurkar (Faculty of Applied Sciences) pledge for swachchta was taken.



The Birth Anniversary of Mahatama Gandhi was celebrated with great enthusiasm and in real sense the ideals of Bappu were applied in life through "Swachh Bharat Abhiyan".

| Sr. No. | Name of the Program | Date |
|---|---|---|
| 5 | Vigilance awareness week (31st oct – 5th Nov 2016) - Pledge | 3rd November 2016 |

Vigilance awareness week was observed by IIIT Nagpur from 31st oct – 5th Nov 2016. The purpose of the observance of the week creates awareness among Government Departments, Institutions and people to check corruption at every level. It inspires the system to implement preventive measures effectively, so that transparency and accountability can be maintained in the governance. The basic motto of this week to create a corruption free society.

Dr A G Keskar,Chairman,BoS, Chief Vigilance Officer, IIIT Nagpur, administered the pledge to all faculty and staff members on 3rd November 2016.



| Sr. No. | Name of the Program | Date |
|---|---|---|
| 6 | RashtriyaEktaSapthah | 3rd and 4th November 2016 |

## RashtriyaEktaSaptah – A Great Saptah for Every IIITn

RashtriyaEktaSapthah was celebrated with great enthusiasm at IIIT Nagpur on 3rd and 4th November 2016. The event was conducted in the memory of SardarVallabhai Patel by conducting various programs and events which reflect his decisive efforts in unifying a diverse country like India.

**Event 1: Unity Run**

The "Unity Run" was organized on 3rd November 2016, in the Institute premises of IIIT Nagpur at 6:30 am with the instruction of our sports and yoga instructor Mr. Ravindra Kumar Sagar. All the students, faculty, administrative staff and non-teaching staff members participated in this event. I/c Registrar, Mr. Kailas Dakhale encouraged the students by running with them.



Various competitions such as the Most Creative Slogan Contest, Essay Writing Competition, Writing/ Composition/ Singing original songs were held on 4th November 2016.



**Event 2: The Most Creative Slogan Contest**

First competition, "The Most Creative Slogan Contest" was conducted on the theme of unity under the supervision of Dr. Ankit Bhurane. Students came up with nice slogans during competition. Some of the selected slogans are given below.

**Something** you can do but I cannot,
**Something** I can do but you cannot,
What **unitedly** we both can do is,
Something + Something = **Everything** **Student's Name: AnushriLaddha**

**U**- You
**N** – Need
**I** – Integrity
**T** – To
**E** – Empower
**D** - Development
So, stay united! Unity is Humanity Student's Name: **Ch. Sravanthi& K. Divya Sri**

We all are**"ONE"** and **one for "ALL"** Student's Name: **Sakshi Agrawal**

**Letters** don't give meaning,
**Words** help it somewhat,
But when words are united,
**Sentence** can explain it.

Student's Name: **Rohit Agrawal**

Coming together is **Unity**
Standing together is **Victory**

Student's Name: **AayeshaBassy**

"Join your hands, Pray of **UNITY**,
Close your eyes, Dream of **EQUALITY"**
Believers Shout, Realistic Cry
As **Faith** and **Strength** become **UNIFIED**

Student's Name: **Tushita Singh**

हम **आझाद** है **एकता** कि वजह से
हम **आबाद** है **एकता** कि वजह से
हम **कामयाब** है **एकता** कि वजह से
हम **बलवान** है **एकता** कि वजह से

Student's Name: **VaibhavAgasti & Sanket Sinha**

जैसे पांच उंगलियों का बना हाथ
वैसे हम अलग हैफिर भी है साथ

Student's Name: **Yashika Bajaj**

विभिन्न राज्यों से भारत बनता है
उनकी **एकता** से हि भारत **एक** बनताहै

Student's Name: **Aman Kumar**



**Event 3: Essay Writing Competition**

"Essay Writing Competition" was coordinated by Dr.Vivek Dubey. Students have written essay on the theme of "Historical essay on the character and contribution of SardarVallabhbhai Patel" and "Relevance and important of SardarVallabhbhai Patel in Today's India".

**Event 4: Writing/ Composition/ Singing original songs**

Third competition was the "writing/ composition/ singing original songs" on the unity theme. Dr.Anuradha Singh was the concern faculty for this competition.



All the students from IIIT Nagpur actively participated in all competitions and got huge response. The students came up with beautiful and creative thoughts. Also the teachers participated in this competition. All the faculty members motivated all the students during competitions. The complete program was coordinated by Dr.AatishDaryapurkar, faculty of Applied Sciences. Whole program was supported by Mr. RajanParulkar, Officer on special duty and other non- teaching staff members.

These two days reinforced a strong feeling of **"वासुदेव कुटुम्बकम" / "The World is my Family"** on the minds of every IIIT Nagpur students and staffs.

| Sr. No. | Name of the Program | Date |
|---|---|---|
| 7 | Constitution Day (26th November) | 25th November 2016 |

'Constitution Day' was celebrated with great enthusiasm at IIIT Nagpur on 25th November 2016.This day also known as also known as "*संविधान दिवस*" On this day in 1949, the Constituent Assembly of India adopted the Constitution of India, and it went into effect on 26 January 1950. World's lengthiest written constitution had 395 articles in 22 parts and 8 schedules at the time of commencement. Now Constitution of India has 448 articles in 25 parts, 12 schedules, 5 appendices and 98 amendments. This day is celebrated in honour of Dr. B. R. Ambedkar, known as the architect of the Indian constitution. Another purpose was that to spread awareness and make people serious about our Constitution/ *संविधान*.

'Constitution Day' was celebrated in IIITN by reading of the preamble of the Constitution and reading of the fundamental duties as enshrined in Article 51A of the constitution and then singing national anthem in the presence of I/c Registrar, Mr. Kailas Dakhale.

All the faculty, staff members and students were actively participated in this event. The complete program was coordinated by Dr.AatishDaryapurkar, faculty of Applied Sciences. Whole program was supported by all faculty members, staff members and Mr. Ashish Dixit (AOSD) and other non- teaching staff members.






| Sr. No. | Name of the Program | Date |
|---|---|---|
| 8 | Institute Gathering (IG 2017) | 21st and 22nd Jan 2017 |

College life is one of the most exciting and important phases in anyone's life. During this period, students come across several experiences, and learn new things. A college gathering/cultural festival/ technical festival are not just for fun, it adds value to student's learning experience. In fact, Cultural and Technical Events in college equals the importance of studies. Now the question is how does it help in our life?

1) It helps the academic institutions to bring together the students from across the country.

2) These college fests promote innovative ideas and allow students to share their knowledge and ideas with other students.

3) Attending or participating these festivals give information on the different fields of study.Since Sports events, quizzes, seminars, music and dance are the part of most of the institute festival.

IIIT Nagpur celebrated its first Institute Gathering on 21st and 22nd Jan 2017. Mr. Arvind Kumar, (Dy) Center Head at Tata Consultancy Services, Nagpur was the chief guest for the opening ceremony of this event. He encouraged and inspired students with his words. Various competitions were held during this event.






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**Below is the Institute Gathering 2017 – Schedule.**

| Sr. No. | Name of The Event | Duration of The Events | Student Coordinator | Faculty Coordinator | Venue |
|---|---|---|---|---|---|
| **21-Jan-2017 - Day-1** | | | | | |
| **1** | Inaugural Function | 09.00 am to 10.00 am | NipunMehar&AnushriLaddha | Dr.Aatish S Daryapurkar Ms. PreetiGhasad | Conference Hall (114) |
| **2** | Basketball | 10:00 am to 11:00 am | DivyeshSaglani&Arun Kumar | Mr. R.K.Sagar&Mr.Irfan Sheik | Basketball Ground |
| **3** | volleyball | 11:30 am to 12:30 pm | BrajKishor& Chaitanya Punwatkar | Mr. R.K.Sagar&Mr.Irfan Sheik | Volleyball Ground |
| **Lunch Break (12:30 pm to 01:30 pm)** | | | | | |
| **4** | Electron IQ | 01:30pm to 02:30 pm | ParthWazurkar& Ambar Tayde | Dr.AnkitBhurane | CSE Class Room (219) |
| **5** | Chess | 02:45 pm to 03:45 pm | SahilDeshmukh&AtharvDaflafurkar | Mr. R.K.Sagar&Mr.Irfaan Sheikh | Table Tennis Hall |
| **6** | Table Tennis | 04:00 pm to 05:00 pm | AmanSoni& Sunny Dhoke | Mr. R.K.Sagar&Mr.Irfan Sheik | Table Tennis Hall |
| **Evening Snacks (05:00 pm to 05:30 pm)** | | | | | |
| **7** | Cultural Events | 06:00 pm to 08:00 pm | AshutoshJoge&Yashika Bajaj | Dr.Anuradha Singh & Ms. PreetiGhasad | Conference/ Auditorium Hall |
| **22-Jan-2017 - Day-2** | | | | | |
| **1** | Badminton | 09:00 am to 10:00 am | VaidehiGhime | Mr.R.K.Sagar&Dr.SovanSamanta | Badminton Court |
| **2** | Table Tennis | 10:30 am to 11:30 am | Tushita Singh & Neha Bansod | Mr. R.K.Sagar&Mr.Irfaan Sheikh | Table Tennis Hall |
| **3** | Badminton | 11:45 am to 12:45 am | VaibhavAgasti | Mr.R.K.Sagar&Dr.Sovan S Samanta | Badminton Court |
| **Lunch Break (1:00pm to 02:00pm)** | | | | | |
| **4** | Poster Making | 02:00 pm to 03:00 pm | Keerti Bajaj | Dr. Ankit A Bhurane and Dr.V.K.Dubey | CSE Class Room (219) |
| **5** | Table Tennis | 03:15 pm to 04:15 pm | KartikKinge | Mr.R.K.Sagar& Mr. R.S.Bhadoria | Table Tennis hall |
| **6** | Badminton | 04:30 pm to 05:30 pm | DivyashriKhoshike& M. Aruna | Mr.R.K.Sagar&Dr.SovanSamanta | Badminton Court |
| **Evening Snacks (05:30 pm to 06:00 pm)** | | | | | |
| **7** | Quiz Competition | 06:00 pm to 7:00 pm | Yashika Bajaj &PrachitaKotangle | Dr.Sovan S Samanta& Ankit Bhurane | ECE Class Room (227) |
| **8** | Closing | 07:15 pm to | MayurSelukar&Rini | Dr.AatishDaryapurkar | Auditorium |
| | Ceremony | 08:00 pm | shaGedam | Ms. PreetiGhasad | |
| **9** | Dinner | 08:00 pm to 9.00 pm | VaidehiGhime | Dr.Aatish. Daryapurkar, Dr. Ankit Bhurane | Institute campus |








STAG
STAG






Mr. Shreesh Vakil, a dynamic entrepreneur and an alumina of VNIT Nagpur was the chief guest for the closing ceremony of Institute Gathering 2017. He encouraged the students for entrepreneurship.

| Sr. No. | Name of the Program | Date |
|---|---|---|
| 9 | 68th Republic Day | 26th Jan 2017 |

India's Republic Day is celebrated throughout India on 26thJanuaryevery year by all proud Indians. IIIT Nagpur also celebrated India's 68th Republic Day with great enthusiasm this year at the IIIT campus, BSNL Regional Telecom Training Centre (RTTC), Seminary Hills, Nagpur.

The ceremony started at 9:15 AM at the Institute in the esteemed presence of Dr. Narendra Chaudhary (Mentor Director), Dr. Ashwin Kothari (Associate Dean), Dr.R.R.Yerpude (Advisor), Mr. Kailas Dakhale (I/c Registrar), all faculty members, administrative staffs, non-academic staffs and all students.






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भारतीय सूचना प्रौद्योगिकी संस्थान, नागपुर

| Sr. No. | Name of the Program | Date |
|---|---|---|
| 10 | Celebration Matribhasha Diwas | Feb 2017 |

MatribhashaDiwas celebrated by conducting various activities to create awareness aboutMatribhasha. All the faculty members, non teaching staff and all students from IIIT Nagpur actively participated in all competitions.






| Sr. No. | Name of the Program | Date |
|---|---|---|
| 11 | First cultural event “Abhivyakti 2017” | 18th and 19th March 2017 |

Indian Institute of Information Technology Nagpur (IIITN) celebrated its first annual cultural festival **"Abhivyakti 2017"** on 18-19 March 2017**.** Bhramacharini Snehalji from Chinmay mission was the chief guest for the opening ceremony of the event and was accompanied by Dr. Ashwin Kothari (Associate Dean), Dr. Aatish Daryapurkar (Student affair In-charge), Mr.Kailas Dakhale (In-charge register). This was a collective effort generously contributed by all the students and faculty members. Bhramacharini Snehalji inspired everyone about our indian culture and personality development. She motivated the elite intellectual participants to live a thoughtful life after learning the art of right thinking. She quoted that “While appearing for job interviews, it is not the score, but the overall personality which becomes the selection criterion”.



A series of various competitions includingKavyanjali-Poetry contest, The Big Roar- Debating contest, Pathanatya - Street play contest, Antara - Singing contest, Acting Smart- Standup comedy contest, To the Beat- Dancing contest and Incredible India- Fashion show were held during this two-day event. To promote the Indian culture, the theme of the fashion show was selected as Incredible India. Wellknown experts including Sonali Kolarkar - Sonar, Dipali Sapre, Yash Chaudhari, Mr. Joe Lovettand Dr Harsha Jharia were invited as judges for various events. All the judges appreciated the effort taken by IIITN student and faculty members to make this event grand sucesses.




## Kavyanjali : Poetry contest







## The Big Roar: Debating contest




## Pathanatya: Street Play



## Antara:Singing Contest



## Acting Smart: Standup Comedy



**To the Beat: Dancing contest**












## Incredible India: Fashion show






Dr. Jagdish Hedawoo, Medical Superintendent of Government Medical College and Hospital, Nagpur was the chief guest for the closing ceremoney of **Abhivyakti 2017.** He elaborated the importance of health in life. He shared few tips to improve the student health and enhance the efficiency in study and extracurricular activities. He said that "In this age of information technology Indians are facing global challenges and stiff competition but these can be overcome with our health, innate confidence, time management and ability to excel." Participants from various IITs, IIITs, NITs and other engineering colleges and universities all over the country were invited to take part in this national level cultural event at IIIT Nagpur.



The Hitavada
NAGPUR ■ Tuesday ■ March 7 ■ 2017
CityLine

# IIITN to hold its first two-day cultural fest from March 18

AFTER making a magnificent debut in 2016, Indian Institute of Information Technology Nagpur (IIITN) is all set to celebrate its first annual institute cultural festival 'Abhivyakti 2017' on March 18 and 19.

IIIT Nagpur is inviting the students from various IITs, IIITs, NITs and other engineering colleges and universities all over the country to take part in this event. Student affair council In-charge, Dr Aatish Daryapurkaris expecting a pool of participants. A series of various competitions including dancing, singing, street play, poetry, fashion show etc. are scheduled in these two-day event.

The students have a good opportunity to win a cash prize of rupees around 1 lakh. Also, it will be the great platform to showcase their talent at national level.

The registrations for these events are opened through the official website *www.abhivyakti.ga and www.iiitn.ac.in.*

The Hitavada
NAGPUR ■ Monday ■ March 13 ■ 2017
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# 'Overall personality makes a difference'




Dr Ashwin Kothari, Brahmacharini Snehdi, Dr Aatish Daryapurkar, Kailas Bakhale during the inauguration of Abhivyakti.

■ Nagpur's IIIT conducts first cultural event

■ Staff Reporter

INSPIRING everybody about Indian culture and personality development, Bhramacharini Snehaji of Chinmay Mission said, "Live a thoughtful life after learning the art of right thinking.

While appearing for job interviews, it is not the score, but the overall personality which becomes the selection criterion", Indian Institute of Information Technology Nagpur (IIITN) celebrated its first annual cultural festival 'Abhivyakti'. Bhramacharini Snehaji, from Chinmay mission was the chief guest for the opening ceremony of the event and was accompanied by Dr. Ashwin Kothari (Associate Dean), Dr Aatish Daryapurkar (Student affair in-charge), Kailas Bakhale (In-charge registrar). This was a collective effort generously contributed by all the students and faculty members.

A series of various competitions including 'Sanyanjali' -poetry contest, 'The Big Boss'-Debating Contest, 'Pathanatya'-street play contest, 'Swara'-singing contest, 'Acting Smart'-standup comedy contest, 'In the Beat'- dancing contest and 'Incredible India'- fashion show were held during this two-day event. Symbolizing the Indian culture, the theme of the fashion show was selected as 'Incredible India'. Well-known experts including Sonali Kulkarni, Dipali Sapre, Yash Chaudhari, Joe Lovetand, Dr Harsha Jhala were invited as judges for various events.

Dr Iqbal Uddawar, Medical Superintendent of Government Medical College and Hospital, Nagpur was the chief guest for the concluding ceremony of Abhivakti-17. He elaborated the importance of health in life. He shared few tips to improve the student health and enhance the efficiency in study and extra-curricular activities. He said that "in this age of information technology human being is global but lonely and self competitive but these can be overcome with our health innate confidence, time management and ability to excel."

Participants from various IITs, IIITs, NITs and other engineering colleges and universities all over the country were invited to take part in this national level cultural event at IIIT Nagpur.

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# City awaiting to witness first cultural event at IIITN

■ Staff Reporter

INDIAN Institute of Information Technology, Nagpur (IIITN) is one of the IIITs launched by the Ministry of Human Resource Development (MHRD), India. The city is awaiting to witness first grand cultural event to be hosted by IIITN.

Currently, institute is arranging "A two-day workshop on Embedded Systems and Internet of Things (IoT)". Apart from academics, IIITN encourages its students to participate in various co-curricular activities including singing, dancing, poetry, debate, drama and soon. The cultural college festivals forms a good platform to promote students talent in such activities. IIITNs are currently engaged in organizing their upcoming annual cultural festival "Abhivyakti 2017" which is scheduled on March 18-19.

IIIT Nagpur are inviting the students from various IITs, IIITs, NITs and other engineering colleges and universities all over the country to take part in this event. Student affair councils in-charge, Dr. Aatish Daryapurkaris expecting a pool of participants. A series of various competitions including dancing, singing, street play, poetry, fashion show etc. are scheduled in this two-day event. The students have a good opportunity to win a cash prize of rupees around 1 Lac. Also, it will be a great platform to showcase their talent at national level.



Students holding banner of 'Abhivyakti-2017'.

The registrations for these events are opened through the official website www.iiitn.ac.in. and www.abhivyakti.ga.

IIITN is established under a public-private partnership (PPP) model jointly funded by central and state governments and I.T industries.

The unique selling proposition (USP) of IIIT Nagpur lies in its course schemes which offer compulsory one semester internship in the associated industries - a perfect opportunity for students to get acquainted with the industry work culture.

In its first year, the prestigious institution is running undergraduate courses in Electronics and Communications Engineering (ECE) and Computer Science Engineering (CSE) branches with an intake of 40 each.

After making a grand debut in 2016, the administration is speeding its way towards progress by starting the postgraduate (M. Tech.) and doctoral courses from the next academic session (2017-18). Currently, the institute is running in the nature-friendly campus of BSNL-RTTC, Seminary Hills, Nagpur. However, its permanent campus is proposed to be set up on a land spanning about 100 acre, at Waranga.

IIIT Nagpur has on roll experienced faculties with their doctoral and post-doc degrees obtained from premier institutions like IIT, NIT and from various foreign universities like University of Wisconsin-Madison, USA and Hanyang University, South Korea.

The teaching force also includes subject experts from prestigious Visvesvaraya National Institute of Technology (VNIT), Nagpur.

IIITN is proactive in organizing various technical skill enhancement workshops in order to make students aware of state-of-the-art technologies.

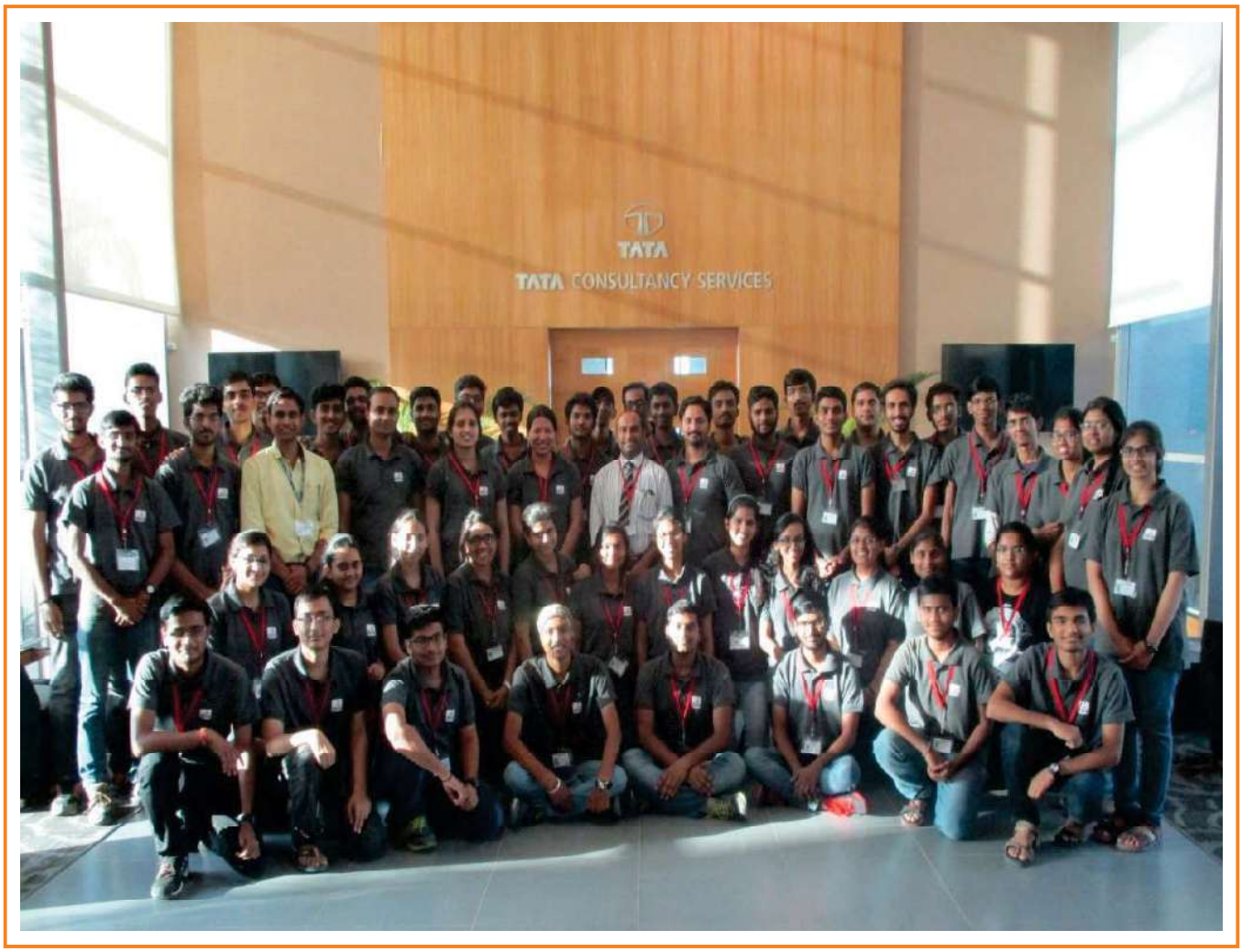
| Sr. No. | Name of the Program | Date |
|---|---|---|
| 13 | Industrial visit "Visit to TCS" | 7th April 2017 |

The very first industrial visit of IIIT Nagpur was carried out at TATA consultancy services on April 7th, 2017. The main objective of the visit was to make the students aware of the technologies being used in current market and how it is managed in the big industries which connects its different clients from all over the world to their services, also to have a discussion on "trends and technologies at TCS and trends in the IT industry in general". We had interactive session on TCS's expectations from students and competency development for campus selection.

We were guided by Mr. arvind kumar through the first half of the visit and got to know about how the company was formed and the success stories of its branching out to different cities. The students posed different question about the working and the teams that work together to keep the company at the high power, also questions were asked on the technology being used by the big companies. Mr. Arvind kumar very enthusiastically gave us the knowledge we were seeking. He told us their greatest asset is the talent they get from their employees and also their brand and their values. He gave us insides on the things that the students could do to improve themselves and help them through their campus selections. Mr. Arvind also made us aware of the strategies followed by the company.

After the splendid lunch the students were directed back to the induction room for the next event of the day that was the interesting session on "Big data and analytics" technology that is presently used by the company. The topic was introduced to the students by Mr. sharangdhar Sharma.

The students were inspired and have got real feel of company's working after this visit. They got a chance to see the transfer of their theoretical knowledge to practical implication. This will even help students to understand subject matter clearly in future also.


TATA
TATA CONSULTANCY SERVICES

# INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, NAGPUR

# ANNUAL AUDIT REPORT FOR THE YEAR 2016-17