Vivekanand Education Society's Institute of Technology

Department of Computer Engineering
(NBA Accredited)

परीक्ष्य
– A computation of dreams

Message from the Department

Faculty Contributions

Student Portfolio

Message from the Editorial Team

| Mrs. Gresha Bhatia | Mrs. Pallavi Saindane | Piyush Mantri | Shripad Laddha | Juhi Bhagtani |

Progress is mankind's second nature. Always evolving, trying to scale the rockiest terrain to unlock greater achievements. Awaiting you are multitudes of extraordinaire accomplishments that hope to ignite the spark in you. With a great response to our previous edition, we present to you the fourth installment of our newsletter.

Message from the Department

Mrs. Sharmila Sengupta

It's up to us today to start making healthy choices in our lives; not choices that are just healthy for our body, but also for our mind, so as to develop a state of well-being in which each of us in the department would realize their own potential, could manage with the normal senses of life, work productively and would be able to make a contribution to our community directly or indirectly.

By making right changes in our immediate environment and offering support to our classmates /colleagues, we can scale better heights, and the department is committed towards it.

Along with academic intelligence, emotional intelligence plays another key role in managing behavior, navigating social complexities to make personal decisions that would achieve positive results.

At the same time, "there's legitimately no substitution for hard work." So let's pledge for our academic, personal and social competence within the department.

**"Where the mind is without fear and the head is held high;
Where tireless striving stretches its arms towards perfection......."**

OUR VISION

To reach international standards by empowering students with computing skills and cutting edge technology.

VISION

OUR MISSION

To sustain excellence in teaching and research and create centre of excellence. To provide broad Educational and Research experiences through interdisciplinary and industrial collaboration programs. To prepare students to enter the world of computing and make them ready for productive employment in the public or private sectors, enhance their entrepreneurship skills and motivate them to pursue advanced degrees.

MISSION

Program Educational Objectives

I. To provide students with a solid foundation in their core concepts of mathematical, scientific and computer engineering and fundamentals required to comprehend, analyze and design solutions for real life problems.
II. To inculcate in students, a balanced outlook with professional and ethical attitude, develop effective communication skills, teamwork and leadership qualities with multi disciplinary approach.
III. To prepare students to excel in postgraduate programs through an excellent academic environment and make them ready for productive employment in the public or private sectors, provide lifelong learning experience.
IV. To provide broad educational and research experience through interdisciplinary and industry programs.

Program Outcomes

PO1 (a) Basic Engineering knowledge: An ability to apply the fundamental knowledge in mathematics, science and engineering to solve problems in Computer engineering.

PO2 (b) Problem analysis: Identify, formulate, research literature and analyse computer engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and computer engineering and sciences.

PO3 (c) Design/ Development of Solutions: Design solutions for complex computer engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.

PO4 (d) Conduct investigations of complex engineering problems using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.

PO5 (e) Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities, with an understanding of the limitations.

PO6 (f) The Engineer and Society: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to computer engineering practice.

PO7 (g) Environment and Sustainability: Understand the impact of professional computer engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.

PO8 (h) Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of computer engineering practice.

PO9 (i) Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams and in multidisciplinary settings.

PO10 (j) Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.

PO11 (k) Project Management and Finance: Demonstrate knowledge and understanding of computer engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12 (l) Life-long Learning: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

Program Specific Outcomes

PSO1: Professional Skills: The ability to develop programs for computer based systems of varying complexity and domains using standard practices.

PSO2: Successful Career: The ability to adopt skills, languages, environment and platforms for creating innovative carrier paths, being successful entrepreneurs or for pursuing higher studies.

Faculty Contributions

Courses Conducted

Short Term Training Program

ISTE Approved STTP on "Computer Network Security - A Laboratory Approach"
Organized by   -   Dept of Computer Engg, AIKTC, New Panvel
Date   -   11th -16th July 2016
Conducted by   -   Dr. Nupur Giri

Workshops Conducted

Virtual Reality Development Using ADOBE AE with Google cardboard
Organized by   -   Intellysys ASP, Mumbai & Fusion Finland, Finland
Date   -   25th - 26th July 2016
Conducted by   -   Mr. Aditya Premi, Miss. Ramya Jayanthi

Cloudera Academic Training for "Developing with Spark and Hadoop"
Organized by   -   VESIT
Date   -   26th Sept - 7th Oct 2016
Conducted by   -   Mrs. Sujata Khedkar

Open Source Programming Workshop on Advanced Networking
Organized by   -   VESIT
Date   -   20th Oct 2016
Conducted by   -   Mr. Richard Joseph & Mr. Mohan Pawar

Technology Convergence and its practices (Proposed)
Organized by   -   SPIT
Date   -   19th - 23rd Dec 2016
Conducted by   -   Mrs. Anjali Yeole

Summer School

Data Analytics using R Programming	FOSS Technologies with Python Programming
Conducted by	Incharge
Mr. Manish Jain, Delflip Edusense Pvt Ltd	Priya R L
Date	Date
11th July 2016 - 14th July 2016	11th July, 2016 - 12th July, 2016

Virtual Lab

Virtual Lab has been conducted for all final year students by Mrs. Sharmila Sengupta, Mrs. Snehal Mane, Ms. Poonam Gholap for the subject Digital Signal Processing (Source : IIT, Kharagpur).
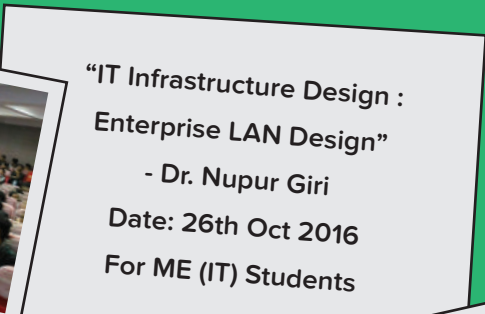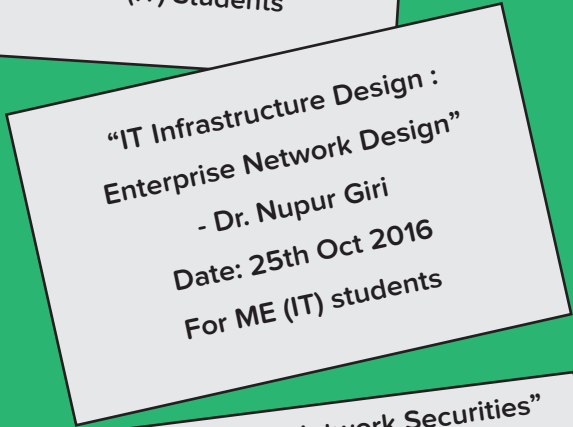
Skill Enhancement Lecture

"Object Oriented Programming Concepts"
- Mr. Sujeer Shetty, Capgemini
Date: 30th Sept 2016
For Second Year Students

" Computer Networks & IoT"
- Mr. Hemant Bharati, CISCO
Date: 29th Sept 2016
For third year students

"IT Infrastructure Design : Enterprise LAN Design"
- Dr. Nupur Giri
Date: 26th Oct 2016
For ME (IT) Students

"IT Infrastructure Design : Enterprise Network Design"
- Dr. Nupur Giri
Date: 25th Oct 2016
For ME (IT) students

"Business Intelligence"
- Mr. Vinaykumar Lad, Capgemini
Date: 3rd Oct 2016
For Third Year Students

"Social Network Securities"
- Mr. Ajitesh Gadwe, Secroute Pvt. Ltd.
Date: 24th Oct 2016
For Fourth Year Students

NPTEL Video Sessions

NPTEL VIDEO LECTURE
SECOND YEAR — "AVL, B Tree, B+ Trees" by Prof. Das, IIT — 07 / 10 / 2016

NPTEL VIDEO LECTURE
SECOND YEAR — "Sequential Circuits" by Prof. S. Srinivasan, IIT Madras — 07 / 10 / 2016

NPTEL VIDEO LECTURE
THIRD YEAR — "UML Diagrams" by Prof. Partha Pratim Das, IIT Kharagpur — 07 / 10 / 2016

Courses Attended

Attended by	Course Description	Organized by	Date
-Mrs. Lifna C.S.	FDP on Use of ICT in Education for Online and Blended Learning	IIT Bombay	2nd May - 3th Aug'16
-Mrs. Sujata Khedkar	Text Analytics	C- DAC Kharghar	16th-18th June'16
-Mr. Richard Joseph – Mr. Mohan Pawar	STTP on Emerging Trends in Cloud Computing with IoT and Big Data	Atharva College of Engineering	4th - 15th July '16
-Mrs. Sujata Khedkar`	Predictive Analytics and Recommender Systems	C- DAC Kharghar	14th - 16th July '16
-CMPN Faculty	Intellectual Property (IP) and the rights associated with IP and Patent law	Dr. Krishna Lala, IIT Bombay	22nd July '16
-CMPN Faculty	Graph Matchings and Wireless Communications	Mr. Rahul Vaze, TIFR Mumbai	16th Sept '16

Research Forum

Paper Publications

Resource Allocation Strategies for Cellular Networks
Aug 2016
International Journal of Engineering Research & Technology (IJERT)

Dr. Nupur Giri

Varsha U. Jagiasi

DOI
http://dx.doi.org/10.17577/IJERTV5IS080411

Analyzing Associativity among mirror neurons for financial profiling
12th -13 th August- 2016
International Conference on Computing Communication Control and Automation (ICCUBEA)

Dr. Nupur Giri

Tarun Dash

Vinayak Jaiswal

Anoosha Sagar

Gaurav Vazirani

Analyzing Associativity among mirror neurons for financial profiling
12th-13 th August- 2016
International Conference on Cognitive Computing and Information Processing 2016 (CCIP 16)

Dr. Nupur Giri

Tarun Dash

Vinayak Jaiswal

Anoosha Sagar

Gaurav Vazirani

Innovative approach for handling blackouts in the transmission grid through utilization of ICT technology
Aug 2016
4th International Conference on Innovations in Computer Science And Engineering (ICICSE - 2016)

Mrs. Gresha Bhatia

Dr. J W Bakal

A mirror neuron based neural network for website classification
08th Sept 2016
International Journal of Engineering Research & Technology (IJERT)

Dr. Nupur Giri

Rahul Ravindran

Riya Suchdev

Yash Tanna

DOI
10.1109/CCOMS.2015.7562909S080411

User Profiling System for Detection of Masquerading Attack on Private Cloud
Sept - Oct, 2016
International Journal of Technical Research and Applications
Mrs. Priya R L
Chalonsh D'silva
Deepika Mulchandani
Rujuta Pimprikar
Sneha Nair

Portable Medical Records using IoT

Oct 2016
IEEE International Conference on Computational Intelligence and Communication Networks

Prashant kanade
Meet Gidwani

Invited Talks

| Title of Event	Resource Person
Intellectual Property (IP) and the rights associated with IP and Patent law	Dr. Krishna Lala, IIT Bombay
Graph Matchings and Wireless Communications	Mr. Rahul Vaze, TIFR Mumbai

Minor Research Grant

Name	Title	Learning through research activity
-Dr. Nupur Giri -Mrs. Indu Dokare	Home Automation using Panoramic Image	Utilization for societal benefit
-Mrs. Lifna C. S. -Dr. M.Vijayalakshmi	Location based alert system using twitter analytics	Social analytics for societal benefits
-Mrs. Abha Tewari -Mrs. Smita Jangale	Machine learning based spam filtering and detection	Detection of malicious contents on social websites

Syllabus Setting of UG and PG Courses

Faculties of the Computer Engineering Department are involved in the syllabus revision panel - 2016 for UG & PG courses (ME Computer Engineering , ME IT)

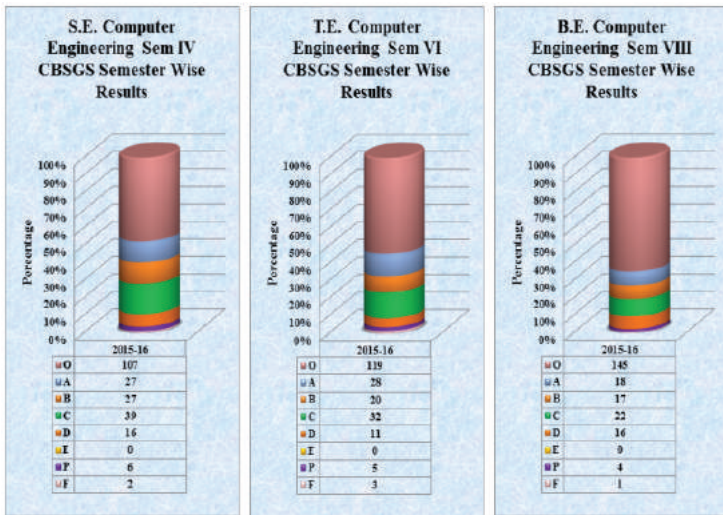**Total number of faculty : 05**   **Total number of subjects : 11**
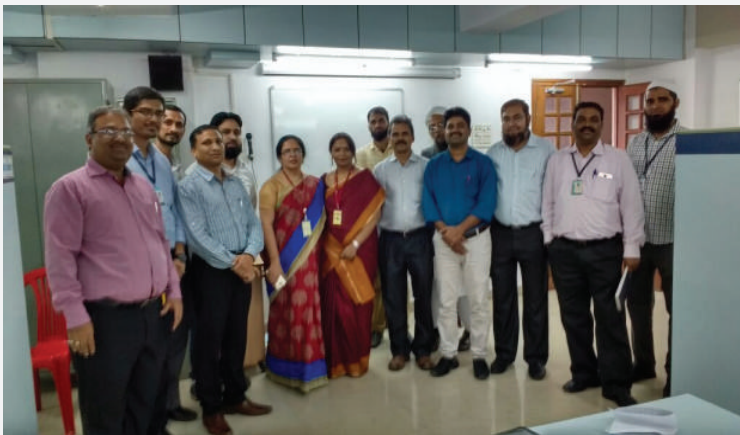
NBA Orientation Program

An NBA Orientation Program had been organized on 4th Oct 2016 by the department , where in a number of senior faculty members from Anjuman-I-Islam's Kalsekar Technical Campus (AIKTC), School of Engineering, New Panvel, had come to orient themselves towards "Preparing themselves for Accreditation".
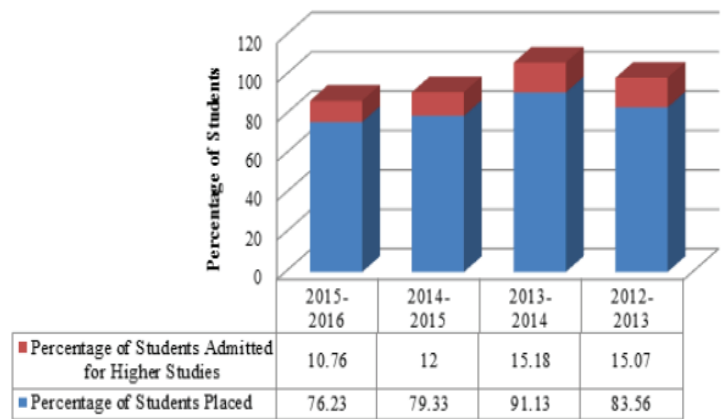
Student Portfolio

Achievements

S.E. Computer Engineering Sem IV CBSGS Semester Wise Results	T.E. Computer Engineering Sem VI CBSGS Semester Wise Results	B.E. Computer Engineering Sem VIII CBSGS Semester Wise Results

2015-16		2015-16		2015-16	
O	107	O	119	O	145
A	27	A	28	A	18
B	27	B	20	B	17
C	39	C	32	C	22
D	16	D	11	D	16
E	0	E	0	E	9
P	6	P	5	P	4
F	2	F	3	F	1

Result Analysis for the academic year 2015-16

Percentage of students placed and admitted for higher studies for last four years

	2015-2016	2014-2015	2013-2014	2012-2013
Percentage of Students Admitted for Higher Studies	10.76	12	15.18	15.07
Percentage of Students Placed	76.23	79.33	91.13	83.56

Sagar Palao and Abhishek Shetty, Students from final year (D17A) have been placed in Morgan Stanley with salary of 15.5 Lac/Annum

Our Top Recruiters...

Capgemini
CONSULTING.TECHNOLOGY.OUTSOURCING

MAQ Software

accenture

Atos

Morgan Stanley

NOMURA

JPMorganChase

Indus Valley Partners

Rank Holders

SE	TE	BE
1	1	1
Khatwani Kajal	Palao Sagar	Lotikar Tejal
2	2	2
Bhattacharya Abhijeet	Somaiya Havan	Aggarwal Atishay
3	3	3
Ghadge Rushika	Benita Jeyakumar	Ahmedi Sadaf, Gupta Priyasha, Minla Chandrahasan
4	4	4
Pancholi Mahak	Chaudhari Snehal	Rachita Devkumar
5	5	5
Chadha Baljit	Danoji Aishwarya	Sajnani Nisha

Entrepreneurship Initiatives
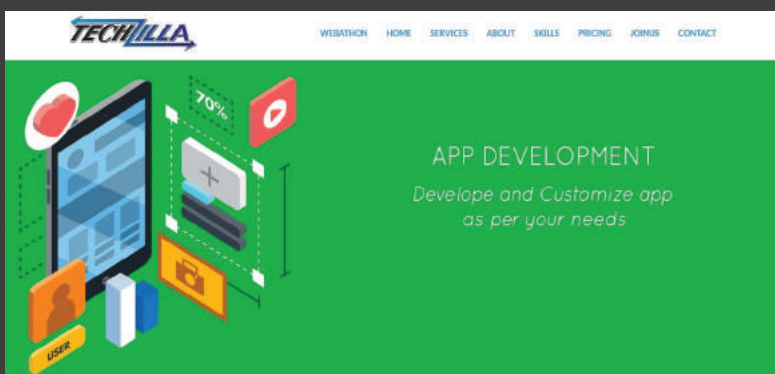
Tejas Watamwar

Techzilla (Complete web Solutions. Provide website development , SEO, Digital Marketing for websites)

Revenue Generated: 2.10 Lacs

No. of Clients : 106

Inter College Competitions

« Avishkar , Research Convention 2016-2017

- Aishwarya Danoji
- Priya Puranik
- Aishwarya Dhage
- Rachana Kamat

» International Debate Competition Technobate 16

- Shikha Soneji

Inter College Drama
VESIT
Akshit Batheja (D17A)
2nd Prize

Inter Collegiate Solo Singing Competition, MANZAR'16
ICT, Matunga
Tanaya Seth (D17A)
2nd Prize

Code For Good, Mumbai 2016
JP. Morgan Chase & Co, Goregaon office
Rucha Desai (D17B)
Winner

Industry Projects

MCGM

Application Development

Ashwija Shetty
Urmi Jadhav
Gaurav Vaswani
Mentor
Mrs. Manisha Ghairwal

Sai Packer and Printers

ERP based Printing System

Varun Golani
Akshay Dudani
Khushboo Jetwani
Hitesh Hinduja
Mentor
Mrs. Gresha Bhatia
Mrs.Priya R L

FAFADIA TECH

Textual Analysis using NLP

Manaswini M.
Aishwarya S.
Meghna Mohan
Komal Dhuri
Mentor
Mrs. Priya R L

Macksofy Technologies

MackDroid

Akshit Bhateja
Aishwarya K
Ekta Sirwani
Maaz Sirkhot
Mentor
Ms. Kajal Jewani

MODROB Projects

Room Escape VR

Rajat Gupta
Rohan Nawani
Vishal P Talreja
Mentor
Mrs. Sharmila Sengupta

3D Infotainment

Lokesh Kukreja
Pooja Gogia
Priya Hinduja
Anisha Kakwani
Mentor

Dr. Nupur Giri

Looking Beyond Syllabus

Digi pen

Tanmay R
Krishna B
Karan P
Gautam C

Virtual Suite

Nisjhit A
Rahul S
Vignesh S
Smit G

Spell check pen
Tejas M

Piezoelectric keyboard

Aditya S

spRdh - Engage, Perform and Compete through Project Ideas

Dr. Nupur Giri
TE

Intelligent Code Builder

Shashank Agnihotri

Dr. Nupur Giri
TE

Scream Alert

Kajal Chawla
Bhavik Dand
Aditi Sawant

Dr. Nupur Giri
TE

Emergency locator

Padmaja Kolle
Aditya S
Snehal Bhagat
JigarAjmare

Mrs. Gresha Bhatia
TE

Application for Library account verification

Padmaja Kolle
Aditya S
Snehal Bhagat

Mrs. Gresha Bhatia
TE

Analysis of world university rankings

Yash Jahagirdar

Mrs. Sharmila Sengupta
TE

University Campus Navigation System

Priyanka W
Shivani V
Arti R

Mrs. Sharmila Sengupta
SE

PlanMap

Rahul Soshte,
Sanjeev Kumar Chintakindi

Mrs. Sharmila Sengupta
SE

myNav

Sagar W

Mrs. Sharmila Sengupta
SE

Smart card service

Umesh R
Shubham P
Sagar R
Dhiraj S
Amit B

Mrs. Sujata Khedkar
TE

Exam Result Analysis

Pratik Watwani

Mrs. Sujata Khedkar
TE

Website Restructuring

Nikhil Vatwani
Vijay Kataria

Mrs. Sujata Khedkar
SE

Stock Market Prediction

Abhiskek C
Samujjwaal Dey
N. Sai Sirisha

Mr. Prashant Kanade
SE

Smart-Doc Card
Sanjay U
Sumit G
Bhavesh M
Manohar J
Mukul R
Shripad L

Mr. Prashant Kanade
TE

Ride Sharing
Dipika Jiandani
Megha Manglani
Riddhi Karkera
Majiri Bhat
Romit Bonkar

Mr. Prashant Kanade
TE

Computer Networks
Simran Wig
Devansh K
Pooja Bhatia
Jayesh Bhatia

Scholarships

Total amount of scholarship: 415000

- Mahalaxmi Temple Trust
- India Bulls
- TATA Scholarship
- Merit cum means by GoI
- PM Scholarship
- Indian Railways
- Narotam Sekhsaria
- Suman Ramesh Tulsani Trust
- Bhartiya Samaj Trust
- Vivekanand Jyoti Scholarship
- VES Charitable Trust
- Nischal Israni Scholarship

Internships

Total no of Interships: 21

- L&T Infotech
- Burger King India Pvt. Ltd.
- HPCL
- I B Solutions
- DSP BLACKROCK
- E-incarnation Recycling Pvt. Ltd.
- Hindustan Petroleum Corp. Ltd.
- Senergy Intellutions
- Atlantic Designs
- Aptivaa
- Miracle Studios
- Bhabha Atomic Research Center
- Hindustan Aeronautics Limited