



Jagdamba Education Society's

S.N.D. Polytechnic, Babhulgaon **Computer Engineering Department**

Academic Year 2019-20



About Us

A Computer professional who desires to create a niche in the IT sector cannot solely rely only on his coding instincts. He needs to have strong system operational skills to be proficient in Software design, modelling, testing, networking and troubleshooting as well. This calls for strong designing, computing and networking facilities with ideal configurations where a student can explore and learn.

Our department is dedicated to improving and making the students skilful and perfect to run the organizations properly. The department has a team of young and enthusiastic teachers with state-of-the-art laboratories. Professor Jadhav U.B. is guiding the department as a head.

Vision of Computer Department

Carving the youth as dynamic competent, valued and knowledgeable professionals, who shall lead the society to a better future.

Mission of Computer Department

1. With the strength of the Computer Engineering Department team to allure students according to program objectives, thus ambition their potential for longlife high quality career.
2. To create a professional competent to design and implement systems in the field of computer and to provide moral, ethical and value based education for social welfare.
3. To create the professional competent to design and implement systems in the field of computer.

From Principal Desk



The department of Computer Engineering lays a significant amount of emphasis on offering students with maximum system operational time to improve their programming, networking and troubleshooting. Participation in competitions, industrial training & visits are regular features of the Computer Department.

We take pride in our commitment to offer programmers that draw on research and best practice as well as acting with the wealth of knowledge and experience of our competent faculty. Together, we aim to create a relevant, engaging and challenging educational experience for all our students.

Gear up for the hard work and I am sure you will enjoy your three years...!

Prof. Joshi A. M.
(Principal)

From Computer HOD Desk

"It gives me immense pleasure to lead the department of Computer Engineering. Our college is one of the premiere institutions in Yeola, Nashik (Maharashtra), unique like a prism reflecting the manifold shades of learning and co-curricular activities. The department of Computer Engineering started with an intake of 60 and multiplied its capacity to 90 at present. With state of Art laboratories, highly skilled staff members adopting innovative teaching methodologies are continuously striving for the betterment of the student community.



Department has a very unique approach to bridge the gap between academics and industry requirements and in the process has partnered with many companies like Assimilate Technologies Pvt. Ltd. Pune, Spark Infotech, Sunanda Infotech Pvt. Ltd., Nashik, BSNL, Yeola, Arnav Technosys etc for skill development. Department is also well equipped with an incubation center where students have a great opportunity to work on their creative abilities to develop their own projects in a real time environment”.

Prof. Jadhav U. B.

Vice- Principal and HOD of Computer Department

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1. Faculty Details:

Sr. No.	Name of Faculty	Qualification	Designation	Experience
1.	Prof. Jadhav U.B.	M.Tech CSE	HOD	13
2.	Prof. Shaikh S. F.	M.Tech CSE	Vice-HOD	10
3.	Prof. Bhorkade A. R.	B.E. I.T.	Lecturer	8
4.	Prof. Zambare D. B.	M.E. Computer	Lecturer	7
5.	Prof. Chaudhari Y. C.	M.Tech CSE	Lecturer	7
6.	Prof. Kenge J. P.	B.E. Comp	Lecturer	6
7.	Prof. Algat Y. S.	M.E. Comp*	Lecturer	3
8.	Prof. Wavdhane N. A.	B.E. Comp	Lecturer	1
9.	Mr. Arkhade S. S.	Diploma (Comp)	Technical Asst.	9
10	Mr. Thete A. N.	B.C.A.	Technical Asst.	6
11.	Mr. Gaikwad O. S.	Diploma (Comp)	Technical Asst.	1

2. Technical Touch:



Angular is a platform that makes it easy to build applications with the web. Angular combines declarative templates, dependency injection, end to end tooling, and integrated best practices to solve development challenges. Angular empowers developers to build applications that live on the web, mobile, or the desktop.



Python is an interpreted, high-level, general-purpose programming language. Created by Guido van Rossum and first released in 1991, Python has a design philosophy that emphasizes code readability, notably using significant whitespace. It provides constructs that enable clear programming on both small and large scales.



Struts is an open source framework that extends the **Java** Servlet API and employs a Model, View, Controller (MVC) architecture. It

enables you to create maintainable, extensible, and flexible web applications based on standard technologies, such as JSP pages, JavaBeans, resource bundles, and XML.



Computer security, cybersecurity or information technology security is the protection of computer systems from theft or damage to their hardware, software or electronic data, as well as from disruption or misdirection of the services they provide.



PHP: Hypertext Preprocessor is a general-purpose programming language originally designed for web development. It was originally created by Rasmus Lerdorf in 1994; the PHP reference implementation is now produced by The PHP Group.



Selenium is a portable framework for testing web applications. Selenium provides a playback tool for authoring functional tests without the need to learn a test scripting language.



A central processing unit (CPU), also called a central processor or main processor, is the electronic circuitry within a computer that carries out the instructions of a computer program by performing the basic arithmetic, logic, controlling, and input/output (I/O) operations specified by the instructions.

Research papers by our faculty:

Paper Topic: Smart Health Prediction System Using Data Mining Technique

-- Prof. Algat Y. S.

To Improve health care some Clinical documents are mostly useful because they are free-text data sources. Clinical documents containing information related to symptoms and valuable medications. To extract a Data from large dataset it has become very popular because users get various ideas from this filtered data. All Data Mining and Knowledge mining become popular because users process data and get information from different areas like health, Social, etc. After data processing we focus on users positive and negative opinions. We count these opinions and find out which medication is good. To decide this we also find out the side effects of the medications. Further we focus on the symptoms of the patient's disease of patient. By taking the expert doctors suggestion, we list out the medication of the any disease according to the symptoms and we provide this medication or treatment to the user on our forum. We can expand our research into Data and Knowledge mining of social media and take the users views on various drugs of Disease.

Paper Topic: Intrusion Detection System

-- Prof. Jadhav U. B.

The crucial part of building an Intrusion detection system depends on preprocessing of network data, categorizing significant features and in the design of efficient learning algorithms that classify regular and anomalous patterns. The plan of IDS is investigated from these three views.

The GA component imparts the feature subset selection through a suitably framed fitness function. A neuro tree paradigm which is a hybridization of neural network and decision tree is proposed for misuse recognition which can classify known and unknown samples of attacks. The hybridization of dissimilar learning and adaptation techniques, overcome individual limitations and achieve synergistic effects for intrusion detection.

Topic: Steganography Using Reversible Texture Synthesis

Prof. Zambare D. B & Prof. Chaudhari Y. C.

We propose a novel approach for steganography using a reversible texture synthesis. A texture synthesis process resamples a smaller texture image, which synthesizes a new texture image with a

similar local appearance and an arbitrary size. We weave the texture synthesis process into steganography to conceal secret messages. In contrast to using an existing cover image to hide messages, our algorithm conceals the source texture image and embeds secret messages through the process of texture synthesis. This allows us to extract the secret messages and source texture from a stego synthetic texture. Our approach offers three distinct advantages. First, our scheme offers the embedding capacity that is proportional to the size of the stego texture image. Second, a steganalysis algorithm is not likely to defeat our steganographic approach. Third, the reversible capability inherited from our scheme provides functionality, which allows recovery of the source texture. Experimental results have verified that our proposed algorithm can provide various numbers of embedding capacities, produce visually plausible texture images, and recover the source texture.

Student Life at Computer Department



During Lab Practice



Curriculum Activities



Lectures with Digital Classroom

Let's talk with Alumini's

Hi myself Priya Sonawane. I was pass out in 2019 from this institute and I was really get full knowledge and also get placed in MNC company. I also improved my personality and this institute is really best for education. Thank to all staff for getting me for this best step of my career.

-- Miss. Sonawane Priya [2018-19]

Great experience with S.N.D Polytechnic, specially with my computer engineering department. When i was in first year i had fear that engineering college life is having too much stress, so i was very depressed but when i completed my first semester in Computer Department that was very freely environment by our lovable staff. I didn't realise how my college days ends up. Thanks to all department staff.

-- Miss. Kokane Pooja [2017-18]

The college of SND Polytechnic, Yeola is a faithfully top level activities of msbte board performed in college...that full response of students participants in event...there gathering...is a gracefully event organized by principal sir...There teaching staff is fully supported in guidance of students ...about the all activities...practical ,lecture,exams,festivals..events..these were very well...

-- Mr. Ganesh Gaikwad [2016-17]

Student Activities



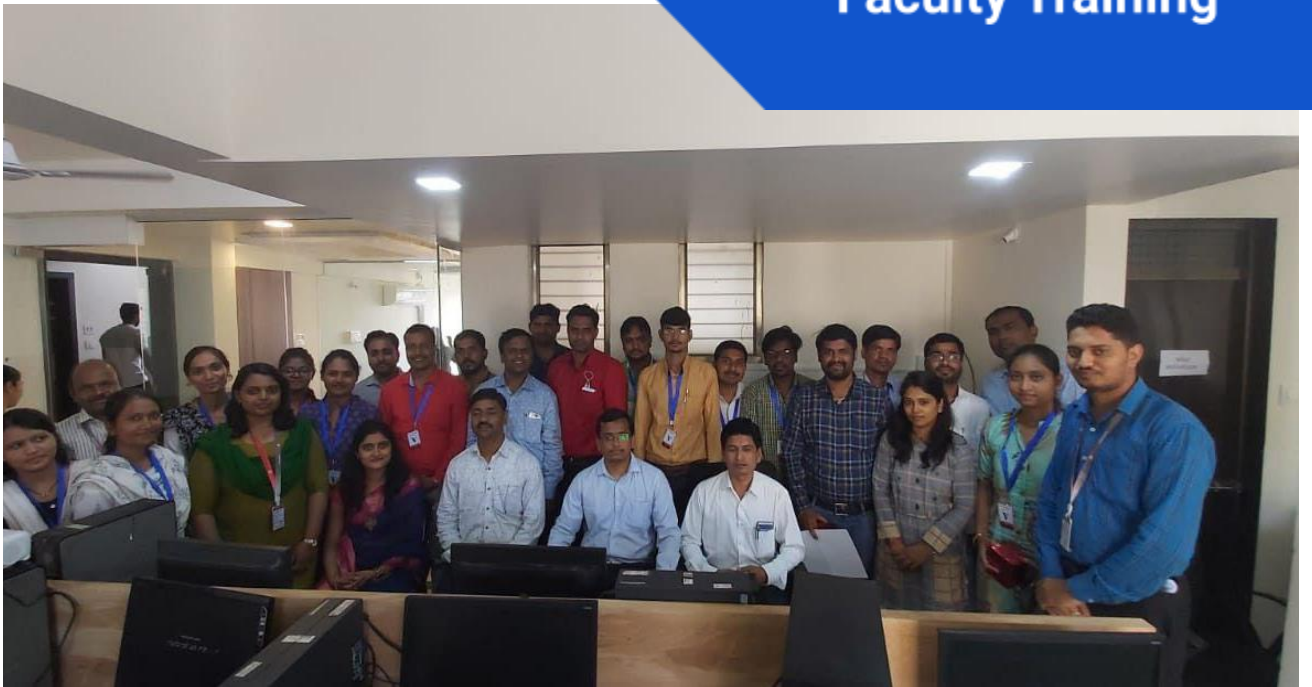
Industrial Visits



Tantrasangram



Faculty Training



Swayam



Social Activities



Ethical Hacking by
Nilesh Dalvi



EDP by GATI
Enterprises



Dot NET Framework by
Arnav Technosys

Cyber Security by
Shoeb Patel



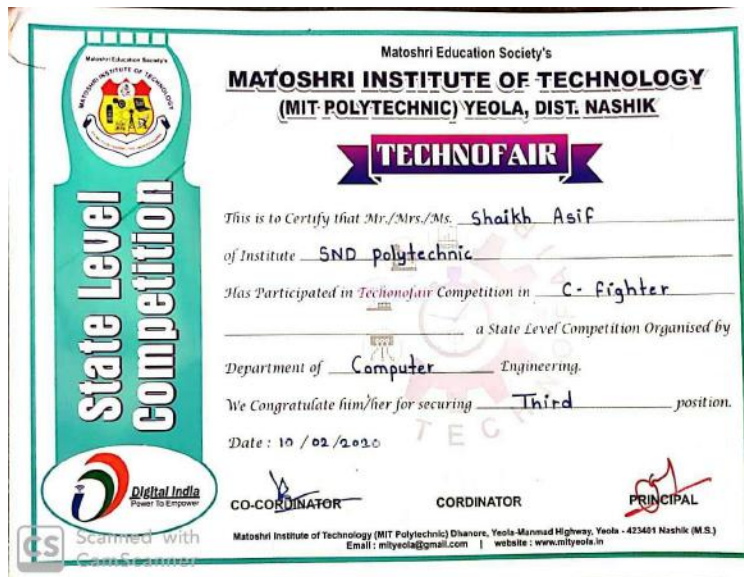
Student Participation and Winner



Chavhanke Abhijit
Second Prize Winner of
TECHNOFAIR 2020
“C-Fighter” Competition
held in 10 Feb 2020 at MIT
Polytechnic, Dhanore



Miss. Darade Arti got
Runner Up in the Event
200m Running
Zonal Sports Meet
Competition by IDESSA 2019-20



Third Prize Winner of
TECHNOFAIR "C-Fighter"
Competition held in 10 Feb 2020
at MIT Polytechnic, Dhanore



First Prize Winner of
TANTRASANGRAM 2020
"QUIZ MASTER" Competition
held in 13 Feb 2020

Cultural Activities



Third Year Computer Engineering Toppers 2019-20

Sr. No.	Student Name	Percentage
1	MISS. SALVE PRANJALI GOPINATH	89.89
2	Mr. SHAIKH ASIF DAGADU	88.67
3	MISS. DABHADE VRUSHALI BHAGINATH	88.11
4	MISS. SOMASE PRITIKA BHAULAL	86.56
5	MISS. GHODEKAR SHRADDHA SUBHASH	84.78

Second Year Computer Engineering Toppers 2019-20

Sr. No.	Student Name	Percentage
1	MISS. WAGH VAISHNAVI APPASAHEB	89.33
2	MISS. DAUNDE POONAM SADASHIV	77.20
3	MISS. GAIKWAD SHRADDHA ARUN	76.53
4	MISS. SHAIKH SADAF GULAM	76.40
5	MISS. BANSODE D K & MISS. TRIMBAKE N R	76.80

Editor in Chief

Prof. Jadhav U. B.

Editorial Committee

Prof. Shaikh S. F.

Prof. Bhorkade A. R.