

Shahajirao Patil Vikas Pratishthan's

S. B. PATIL COLLEGE OF ENGINEERING

NAAC Accredited and ISO 9001:2015 Certified Institute

*Department of Artificial Intelligence and
Data Science*

WHAT IS ARTIFICIAL INTELLIGENCE?

Machine Learning

Using sample data to train computer programs to recognize patterns based on algorithms.



Neural Networks

Computer systems designed to imitate the neurons in a brain.



Natural Language Processing

The ability to understand speech, as well as understand and analyze documents.



Robotics

Machines that can assist people without actual human involvement.



Mission

To impart quality technical education and knowledge to the students to become professionally and morally competent computer engineers.

To train the students for employment, self-employment and life-long learning.

MISSION

Vision

To create technical excellence in the field of computer and emerging technologies to develop a comprehensive and integrated professionals in rural area.

VISION

VALUES

Goals

To create an academic environment with emphasis on learning and discipline for producing employable engineers with social responsibility by inculcating good ethics in them.



Prof. V. S. Nalawade
HOD

HOD Message

Dear Students, Faculty, and Visitors,

Welcome to the Department of Artificial Intelligence and Data Science Engineering at S B Patil College of Engineering! It is with great pleasure that I extend a warm welcome to all those who are embarking on a journey with us in the exciting field of AI and Data Science.

As the Head of the Department, I am thrilled to be a part of a community that is dedicated to fostering innovation, excellence, and a passion for cutting-edge technology. Our department is committed to providing a dynamic learning environment where students can explore, learn, and apply the latest advancements in AI and Data Science.

Our distinguished faculty members bring a wealth of knowledge and experience to the classroom, ensuring that our students receive a comprehensive education that combines theoretical understanding with hands-on practical skills. We believe in equipping our students with the tools they need to thrive in a rapidly evolving technological landscape.

Whether you are a prospective student, a current member of our academic community, or a visitor seeking to learn more about the incredible work happening in our department, we invite you to explore the possibilities that AI and Data Science offer. From state-of-the-art laboratories to engaging research projects, we are dedicated to providing an enriching and stimulating environment.

I encourage you to browse through our website to learn more about our programs, faculty, research initiatives, and the various opportunities available to students. Feel free to reach out to us if you have any questions or if there's anything we can assist you with.

Thank you for considering S B Patil College of Engineering for your academic and professional journey in Artificial Intelligence and Data Science. We look forward to being a part of your success and growth.

Best Regards,

Prof. Vinay S. Nalawade Head of Department, AI & DS Engineering S B Patil College of Engineering



Prof. V. S. Nalawade
Associate Professor and
HOD
M.Tech, CE
Ph.D*



Prof. R.M. Avchar
Assistant Professor
M.E. (AIDS)



Prof. V. T. Shejwal
Assistant Professor
M.E. (AIDS)



Prof. R.S. Dhende
Assistant Professor
M.E. (AIDS)

Well Equipped Computer Laboratory



Sr. No.	Name of Laboratory	Investment	Area
1	Programming Lab	2191774/-	62.90 Sqm
2	Communication Lab	716174/-	62.20 Sqm
3	Multimedia Lab	673662/-	42.18 Sqm
4	Computer Center – I	642853/-	56.85 Sqm
5	Computer Center –II	1390783/-	85.01 Sqm
6	Project Lab	819685/-	86.62 Sqm
	Total	64,34,931 /-	



Program Education Objective's (PEO's):

- 1 To produce graduates those can be employed as engineers in domains such as research, testing, designing project in different technical areas.
- 2 To develop an ability of effective communication, team work, adopting rapidly to the changing technical environment.
- 3 To develop an ability to apply basic knowledge of engineers to solve real world problems
- 4 To develop an ability to work as a network engineer.
- 5 To develop an ability to adopt themselves for rapidly changing technical environment

Program Outcomes (PO's):

- 1 Students will able to apply knowledge of computing and mathematics appropriate to discipline.
- 2 Students will get fundamental knowledge in design, testing security and debugging.
- 3 Students will participate and get success in competitive exams like GRE, GATE, TOFEL etc.
- 4 Analyze the problems, identifying computing requirement appropriate to its solutions.
- 5 Ability to use motes tools necessary for multidisciplinary environment.



Number of Events Conducted by Faculties (2017-18)

Sr. No	Event Name	Recourse person	Conducted Date	Departmental Coordinator	Class
1	Workshop on IoT	Dr. Parikshit N. Mahalle Smt. Kashibai Navale College of Engineering, Vadgaon	19/08/2017	Prof. S. L. Kumbhar	SE to BE
2	Guest Lecture on Information Retrieval	Prof. P.R.Kadam, SBPCOE, Indapur	14/09/2017	Prof. S.T. Deokate	BE
3	Hands on Plickers tool workshop for SE students	Prof. S.T.Kadam, SBPCOE, Indapur	18/09/2017	Prof. S.T.Kadam	SE
4	Two days Hands on Workshop on Internet of Things	Mr. Shubham Doshi, Mr. Ajit Londhe Xtrovix Technologies Pvt. Ltd., Pune	20/09/2017 to 21/9/2017	Prof.P.R.Kadam , Prof. S. B. Bandgar	SE to BE
5	Workshop dot Net technologies	Prof. Taware N.S. Department of Computer Engineering, IOT, Malegaon.	25/09/2017	Prof. V. S. Nalawade Prof. P.P. Belsare	TE and BE
6	Guest lecture on IT Networking	Ms. Ashwini Jadhav CMS IT Services,Baramati.	26/09/2017	Prof. S. A. Sirdeshpane Prof. A. B. Gavali	SE to BE
15	Two days workshop on Programming Skill	Mr.Ramma Srinivas Richman and Freeland, Hyderabad	27/09/2017 to 28/09/2017	Prof. R.B. Anpat Prof. J.N.Ekatpure	SE to BE
8	Workshop on Webinar Python Programming	Prof. G. G. Sayyad Prof. B. S. Salve	27/09/2017	Prof. G. G. Sayyad Prof. B. S. Salve	TE and BE
9	Workshop on Latex - A Documention Tool	Prof. B. S. Salve SBPCOE, Indapur	19/01/2018	Prof. S. A. Sirdeshpane Prof. A. B. Gavali	TE and BE
10	Seminar and Exhibition on Microprocessor	SE Students	25/01/2018	Prof. S.T.Kadam	SE to BE
11	SEED IT Idol 2018 Quiz Competition	Mrs. Ashwini Jadhav SEED Infotexh.Ltd	16/02/2018	Prof. A. B. Gavali	SE to BE
12	Two days Student development programme (SDP) sponsored by SPPU Pune on IoT and Cloud computing	Mr. Shubham Doshi, Xtrovix Technologies Pvt. Ltd., Pune Prof. V. B. Jagtap, Prof. P.R. Kadam, SBPCOE,Indapur	26/02/2018 to 27/2/2018	Prof. S. L. Kumbhar Prof. S. B. Bandgar Prof.P.R.Kadam	SE to BE
13	Guest Lecture on Basics of Java and Android	Mr. Suraj Dhanawe Director, Kanishka Sofotech, Baramati	20/03/2018	Prof. S.T. Deokate	SE





**Lesson
Plan**

**Teaching
Plan**

**Project &
Paper
Presentation**

**Seminar &
Guest
Lectures**



**Progressive
Assessment
for
term work**

**Academic
Calendar**

*Teaching
and
Learning*

**Effective
Use of
Teaching
Aids**

**Industrial
Visits**



Unit Tests

**Mock Test
for Practical**

**Identification
of Weak
Learners**

**Teaching
Plan**



List of Publications

Sr. No.	Name of Author	Title	Journal/ Conference Name	ISSN/ ISBN	Volume, Issue, Year and Page No.
1.	S.N.Khendad S.T.Nikam, S.D.Patil Prof.P.R.Kadam	Domestic Smart Waste Management Using IOT	IJRASET	2321-9653	Vol 5 Nov 17
2	GaikwadPragati R JadhavAparna S JadhavKomal D Prof.Ekatpure J. N.	A Review on Secure Helmet Wearing Detection by using Image Processing and Machine Learning	International Journal of Science Technology and Engineering	2349-784X	Vol 4 Nov 17
3	Prof.Ekatpure J.N.	Optimizing and Enhancing Performance of MVC Based on Data Mining	International Journal of Research In Science and Engineering	P-ISSN 2394-8280, E-ISSN 2394-8299	Vol 3
4	Ms.Pansare T.B, Ms.More Rani, Ms.WaghmodeMadhuri, Mr.Bandgar S.B	Review- Distributed and Fair Beaconing Rate Congestion Control in Vehicular Networks	IAETSD JOURNAL FOR ADVANCED RESEARCH IN APPLIED SCIENCES	ISSN NO: 2394-8442	VOLUME 4, ISSUE 6, NOV/2017
5	KulkarniYogesh N., LondheNitin R., More Daulatrao M., GawadeTejashree, Prof. Bandgar S.B.	Using Wireless Sensor Network Human Face Action RecognitionSystem	MAT Journal		Volume 3 Issue 1
6	Shaila Mane, Garde B. Madhekar S., Belsare P.P.	A survey on intelligent file organizer using RFID	UGC approved IAECBSB-JARAS		
7	Prof. V.S.Nalawade, Arkile R.A.,Burkule S.S.,Lakade S.D.	Review on secure sharing and self destructing data on cloud computing	International of science technology and engineering		Vol 4 Issue 6
8	Prof.Salve B.S.	Novel Method for movie character identification based on graph matching	National Conference on management and engineering		

List of Publications

Sr. No.	Name of Author	Title	Journal/ Conference Name	ISSN/ ISBN	Volume, Issue, Year and Page No.
9	Prof.Shirkande S.T.	Optimization of Underwater Image Enhancement technique by Combining WCID and Wavelet Transformation Technique	ICCUBEA 2017		
10.	VaibhavkumarYadav , Shubham Borate , SoniyaDevar, RohitGaikwad, A.B. Gavali	A Review onSmart Home Automation using Virtue of IoT	Journal of Android and IOS Applications and Testing		Volume 2 Issue 1
11.	Ms.SoniyaDevar, Prof. A .B. Gavali, Mr. VaibhavkumarYadav , Shubham Borate	SMART HOME AUTOMATION USING VIRTUE OF IOT	Convergence in Technology (I2CT), 2017 2nd International Conference		DEC 17
12.	Mile Mrinal, LakadePriyanka, MashayakSaniya, KatkarPoonam, A.B. Gavali	Smart home — Automation and security system based on sensing mechanism	Electrical, Computer and Communication Technologies (ICECCT), 2017 Second International Conference on		NOV 17
13.	RupnawarVarsharani S., SudakePrajakta B., TakmogeLata B., YadavPradip M., Prof.Sirdeshpande S. A.	Energy and memory efficiency in WSN by star topology	MAT Journal		June 17
14.	Ms. Gaikwad Prajakta P, Ms. Nalavade Komal T, Ms. Shinde Komal V, Prof. Sirdeshpande S.A	A review on object detection and tracking system in real world by using camera rotation	IAETSD JOURNAL FOR ADVANCED RESEARCH IN APPLIED SCIENCES	ISSN NO: 2394-8442	VOLUME 4, ISSUE 6, NOV/2017
15.	S.T. Deokate	Hierarchical Clustering Approach to Identify Devnagari Script Document Images	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	ISSN- 2321-9653 IC Value: 45.98; SJ Impact Factor:6.887	IJRASET, Volume 5, Issue XII, December 2017
16.	S T Deokate	Methods used for detection and correction of Skew in document images	6th National Conference on Recent Trends in Computer Science & Applications		Dec-17

Student achievements

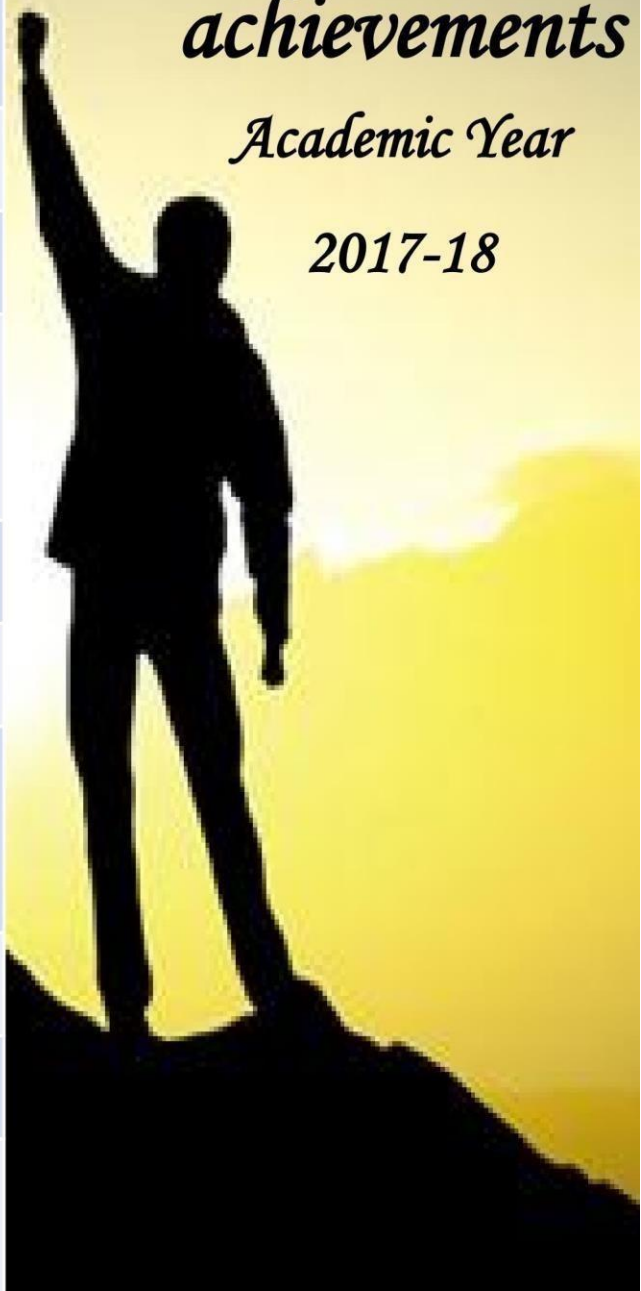
Academic Year 2017-18

Sr. No	Name of the Student	Name of the Event	Date of event	Organized By	Prize Details
1	Shinde Ajinkya	National Level Event	January 29, Cretexnova2K18 , Battle field	SVPM COE, Malegaon (Bk)	First Prize
2	Chinchkar Dnyaneshwari	SEED IT IDOL 2018	January 26, SEED IT IDOL Competition.	SEED InfoTech. Ltd, in association with SPPU,Pune	Winner
3	Kambale Ashwini	SEED IT IDOL 2018	January 26, SEED IT IDOL Competition.	SEED InfoTech. Ltd, in association with SPPU,Pune	Best Performer award
4	Bagwan Fariyal	SEED IT IDOL 2018	January 26, SEED IT IDOL Competition.	SEED InfoTech. Ltd, in association with SPPU,Pune	Best Performer award
5	Khan Sakib Nasir	Android App Development	December 2017-18	Disha InfoTech Baramati	App Available at Google Play store



Sr. No	Name of the Student	Name of the Event	Date of event	Organized By	Details
6	Padase Dhnashri Bharat, Lengare Aarti Ramchandra	National Level Event	January 29, Cretexnova2K18, Blind Coding	SVPM COE, Malegaon (Bk)	Participant
7	Nalavade Komal Tanaji	International Conference	February, ICKDST-18	JSPM Hadapsar, Pune.	Participant
8	Gaikwad Prajakta P	International Conference	February, ICKDST-18	JSPM Hadapsar, Pune.	Participant
9	Kulkarni V. P.	Zonal Research Competition	December 19, 2017. AVISHKAR-2017	AISSMS's College of Engineering in association with University Research Cell, SPPU, Pune.	Participant
10	Shinde Komal Vilas	International Conference	February, ICKDST-18	JSPM Hadapsar, Pune.	Participant
11	Ajit Jadhav	International Conference	February, ICKDST-18	JSPM Hadapsar, Pune.	Participant
12	Chavan A. M.	Zonal Research Competition	December 19, 2017. AVISHKAR-2017	AISSMS's College of Engineering in association with University Research Cell, SPPU, Pune.	Participant
13	Ashish Shinde	International Conference	February, ICKDST-18	JSPM Hadapsar, Pune.	Participant
14	Nilesh Nanavare	International Conference	February, ICKDST-18	JSPM Hadapsar, Pune.	Participant
15	Duke Yogesh A, Bandgar Sunil Ajinath, Wagh Avishkar Vitthal	National Level Event	January 29, Cretexnova2K18, Battle field	SVPM COE, Malegaon (Bk)	Participant

*Student
achievements
Academic Year
2017-18*



Current Placement Details

Batch 2017-18



Sr. No.	Name of the Students	Name of the Company	Package in lacs
1	Rani More	RK Infosystm	2.0
2	Komal T. Nalavade	DSS World	2.2
3	Prajakta P. Gaikwad	DSS World	2.2
4	Pradnya B. Pakale	DSS World	2.2
5	Ajit R. Jadhav	Marrow Technologies	1.2
6	Shubhangi D. Patil	Marrow Technologies	1.2
7	Komal T. Nalawade	Marrow Technologies	1.2
8	Pradnya B. Pakale	Marrow Technologies	1.2
9	Rupali Arkile	iSASH	1.8
10	Pragati Gaikwad	iSASH	1.8-2.4
11	Ashish Shinde	iSASH	1.8-2.4
12	Nilesh Nanaware	iSASH	1.8-2.4
13	Rani More	iSASH	1.8-2.4
14	Sonam Khendad	iSASH	1.8-2.4
15	Madhuri Waghmode	iSASH	1.8-2.4
16	Tejaswi Pansare	iSASH	1.8-2.4
17	Rajshri Nikam	iSASH	1.8-2.4
18	Shubhangi Patil	iSASH	1.8-2.4

Class	Rank	Name of the Student	Marks	% Marks	
				percentage	SGPA
SE	I	Lengare Arati Ramchandra	979/1500	65.26	7.5
	II	Salunke Aruna Madhukar	947/1500	63.13	7.3
	III	Bhosale Prajakta Anandkumar	922/1500	61.46	7.06
TE	I	Nalavade Komal Tanaji	1069/1500	71.27	
	II	Gaikwad Pragati Rajesh	1049/1500	69.93	
	III	Khendad Sonam Nagesh	1045/1500	69.67	
BE	I	Shinde Kajal Prakash	1173/1500	78.20	
	II	Kanse Sonali Dilip	1169/1500	77.93	
	III	Kulkarni Swapnil P.	1145/1500	76.33	

Toppers List

2017-18 (Semester I)



Photo Gallery













Photo Gallery





*Department of Artificial Intelligence and Data
Science*

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NAAC Accredited and ISO 9001:2015 Certified Institute

Affiliated to Savitribai Phule Pune University & Approved by AICTE New Delhi, Vangali Village, Pune-Solapur Express highway, Indapur, Pune - 413106