

1) Message from the HODs desk:



“It is a pleasure to head the department of IT and BVoc in Software Development. The department with its state of art facilities and highly qualified faculty works with the objective of addressing critical challenges faced by the industry, society and the academia. Perhaps even more important is our unceasing commitment to our students, helping them to learn, grow, develop, and achieve their goals in their pursuit to excel in their professional career.

The Department of IT and BVoc in Software Development has recorded consistent improvement in its academic, research and placement performance. We offer a range of innovatively designed programs whose curricula are constantly updated to meet the changing requirements of the industry and also to meet the needs of major stakeholders. Through innovative teaching-learning process, teamwork approach and leadership building experience, our students gain vital communication and critical –thinking skills. We believe that our students have been well accepted in their job profiles and have consistently exceeded expectations of the corporate world. During study at the department, the students are encouraged to get hands-on experience in the corporate world through internship projects with reputed organizations. In their curriculum they are encouraged to take up mini projects and assignments to supplement theoretical knowledge with practical experience.

We also encourage students to organize events such as Cyber strike (Intercollegiate Tech Fest) and also get involved in activities of social relevance.

With this brief introduction, I welcome you to be a part of our journey towards being a world class center of excellence in education, training and research.”

Message about the department:

- Currently, the growth of any company has become very much dependent on Software Development efforts and it has been a long felt necessity to align higher education with the emerging needs of the economy so as to ensure that the graduates of higher education system have adequate knowledge and skills for employment and entrepreneurship. Hence, the

department of BVoc SD, was established in 2015, and strives to shape computer professionals of the future.

- In order to keep the course updated and be a helping hand to the students for shaping them into the IT professionals of the future we have a faculty strength of 8 inhouse and 6 visiting faculties.
- The course is designed to provide vertical mobility to students coming out of 10+2 with vocational subjects.

Key activities :

- Every year, the students of First Year are given an ORIENTATION at the start of their Degree College. The orientation is based on the B.Voc.(S.D.) Programme.
- Every year the College felicitates the students who have graduated during GRADUATION CEREMONY.
- For the holistic development of students, various curricular activities are conducted like Presentation, Group discussion, Case study sessions, Seminars, Workshops, Projects.
- Co-curricular enrichment programs are conducted on Internships, Industrial visits, Team building activities, Guest Lectures, etc.
- In order to develop an aptitude for research we encourage students to participate in Avishkar Research Convention (Annual Inter Collegiate Event), Xplore (Annual Science exhibition), Discussion club.

Internship and Placement cell :

- The prestigious placement cell of the department was established to place our fresh graduates into organizations and companies worth their caliber. Companies like TCS, Wipro, Schbang, Tetra soft labs, etc. have offered PLACEMENTS for our students time-to-time.
- It hosts seminars and workshops on various topics such as alumni pre-placement talk, CV writing and verbal skill enhancement.
- The placement cell also guides students with various study resources to build their technical aptitude skill.

Discussion Club:

- The Department promotes Research activities amongst the Students and Faculties under the roof of Discussion Club which was initiated in the year 2018.
- In Discussion Club we encourage the students to perform research activities with the help of Guest Lectures by eminent personalities in the area of research domain.

- We guide the students to identify the different domains of research, tools required to write scholarly articles, and research ethics, procedure to present or publish the articles.

Dot Com Club:

- The **DOT COM CLUB** being the official club of the IT and BVoc(SD) department, is an entity “of the students, for the students and by the students”.
- “**CYBERSTRIKE**” is the department’s annual event which consists of workshops such as drone making, competitive activities such as debate and quiz and other gaming competitions like Counter Strike, FIFA etc.
- The event also consists of seminars on the latest trends and innovations in the IT industry.

USP of the course:

The course provides a judicious mix of skills relating to Software Development profession and appropriate content of General Education with the feature of Multiple Exit Point with diploma Certificates

1) Faculty details:

- I. Passport size photo: (Dimensions 200 x 230 pixels (preferred),Size of file should be between 20kb-50 kb) jpeg format
- II. Name:
- III. Designation
- IV. Qualification
- V. Specialization
- VI. Experience in years**
- VII. E-mail Id

Passport size photo:	Name of the Faculty	Designation	Qualification	Specialization	Experience (Years)	E-mail Id

	Mr. B. Wilson Rao	Co-ordinator	MSc-IT	E-Commerce & Internet Security, Java Programming, Enterprise Jakarta, Cloud Computing, Big Data Analytics	20	wilson.rao@jaihindcollege.edu.in
	Ms. Shraddhadevi Singh	Assistant Professor	MSc IT	Green computing, Cyber forensics, Database management system, Optimization techniques, Python programming, Web Programming	2.5	shraddha.singh@jaihindcollege.edu.in
	Ms. Sunita Jena	Assistant Professor	MSc-IT	Networking, .Net Programming, Android Programming, Electronics, Web Programming, Software Engineering, Artificial intelligence, Python Programming	15	sunita.jena@jaihindcollege.edu.in

	Ms. Tejashree Parab	Assistant Professor	MSc-IT	Applied Mathematics , Logic & Discrete Mathematics , Machine learning, Statistical techniques, Artificial intelligence, Oracle, LINUX, Software testing	9	pritti.shelar@jaihindcollege.edu.in
	Ms. Shruti Shah	Assistant Professor	MSc-IT	Programming, Computer Graphics, Data structures, IoT, Big Data analytics	7	shruti.shah@jaihindcollege.edu.in
	Ms. Fatima Shaikh	Assistant Professor	MSc-IT	Discrete and Applied Mathematics , Programming and web development , Android Programming, Data analysis	6	fatima.shaikh@jaihindcollege.edu.in
	Ms. Heena Shaikh	Assistant Professor	MSc IT NET SET	Computer Networks, Web Technologies, Operating System, Web Technologies, C and C++	5	heena.shaikh@jaihindcollege.edu.in

				Programmin g.		
	Ms. Aafreen Shaikh	Assistant Professor	MSc IT	Web Technologie s , Statistics,Net working and Security,Pyt hon Programmin g,Project Management , Unity	2.5	aafreen.shaikh @jaihindcolleg e.edu.in

2) **Courses** offered

Sr.No	Course name	diploma/certificate	Aided/Self financed
1.	SEM I: 1. Communicatio n Skills and Social Aptitude 2. Basics of French Language 3. Office Automation	Diploma	Self financed

	<p>4. Web Designing & Programming</p> <p>5. Logics & Algorithm</p> <p>6. Database Management System</p> <p>7. Object Oriented Programming with C++</p> <p>8. Web Designing & Programming Practical</p> <p>9. Logics & Algorithm Practical</p> <p>10. Database Management System Practical</p> <p>11. Object Oriented Programming with C++ Practical</p> <p>SEM II:</p>		
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	<ol style="list-style-type: none">1. Organizational Behavior, Cultural & Health Psychology2. Principles of Marketing & Customer Service Management3. Introduction to computer networks4. Modern Operating Systems5. Advanced Web Designing & Programming6. Core Java7. Software Engineering8. Modern Operating Systems Practical9. Advanced Web Designing & Programming Practical		
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	<p>10. Core Java Practical</p> <p>11. Software Engineering Practical</p>		
2.	<p>SEM III:</p> <p>1. Computational Mathematics</p> <p>2. Green Computing</p> <p>3. Digital Marketing</p> <p>4. Advanced Java</p> <p>5. Python Programming and Data Structures</p> <p>6. Data Communications and Network Security</p> <p>7. Software Testing</p> <p>8. Advanced Java Practical</p> <p>9. Python Programming and Data</p>	Advanced Diploma	Self financed

	<p>Structures Practical</p> <p>10. Data Communications and Network Security Practical</p> <p>11. Software Testing Practical</p> <p>SEM IV:</p> <p>1. Financial Literacy</p> <p>2. Research Methodology</p> <p>3. Human Resource Management</p> <p>4. Android App Development</p> <p>5. C# and ASP.Net MVC</p> <p>6. Computer and Network Security</p> <p>7. Advance SQL with Oracle</p>		
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	8. Android App Development Practical 9. C# and ASP.Net MVC Practical 10. Computer and Network Security Practical 11. Advance SQL with Oracle Practical		
3	SEM V: 1. Strategic Management 2. Entrepreneurship 3. Multimedia-I 4. Cyber Forensics and Investigation 5. Artificial Intelligence 6. Internet of Things with SDN 7. Theory of Computation	Degree certificate	Self financed

	<p>8. Cyber Forensics and Investigation Practical</p> <p>9. Artificial Intelligence Practical</p> <p>10. Internet of Things with SDN Practical</p> <p>11. Project Viva & Voce Practical</p> <p>SEM VI:</p> <p>1. Multimedia-II</p> <p>2. Reasoning Aptitude and Placement Orientation</p> <p>3. Data Analytics</p> <p>4. Machine Learning</p> <p>5. Big Data with NoSQL</p> <p>6. Cloud Computing</p> <p>7. Optimization Technique</p> <p>8. Machine Learning Practical</p>		
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	<p>9. Big Data with NoSQL Practical</p> <p>10. Cloud Computing Practical</p> <p>11. Project Viva & Voce Practical</p>		
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3) **Supporting Staff:**

Name and designation

Name	Designation
Ratnakar Narayan Panhalekar	Lab Assistant
Sunil Utekar	Lab Attendant
Sushant Choudhari	Lab Attendant
Sadashiv Khatkar	Lab Attendant
Rupesh Solanki	Lab Attendant

- 4) Society/cell under department – **brief write up with photograph – 1 only – year wise data**

Internship and Placement cell :

- 5) The prestigious placement cell of the department was established to place our fresh graduates into organizations and companies worth their caliber. Companies like TCS, Wipro, Schbang, Tetra soft labs, Eclinical works etc. have offered PLACEMENTS for our students time-to-time.
- 6) It not only aims at placing the Third Year's but also strives to work towards helping our FY's and SY'S get internships and training programmes to mould them into the IT

professionals of the future. Students have been selected for internships in companies like HDFC Life, Fortis, D fine solution, cybersmith secure etc. Based on the performance and successful completion of the internship, our students have received pre-placement offers and have been placed in those companies.

- 7) It hosts seminars and workshops on various topics such as alumni pre-placement talk, CV writing and verbal skill enhancement.
- 8) The placement cell also guides students with various study resources to build their technical aptitude skill.



Placement

Year	Number of Students	Company	Package
2018-19	6	TCS	1.96 LPA
2019-20	5	TCS	1.93 LPA
2020-21	3	TCS	1.96 LPA
	1	Wipro	1.89 LPA
	1	Eclinincal Works	3 LPA
	1	Schbang	1.6 LPA
2021-22	1	TCS	1.95 LPA
	1	Nieta Infocam and services	3.6 LPA
	1	Groom Your Gram	1.8 LPA
2022-23	1	Infojini	4.38 LPA

Internship

Year	Class	Number of Students	Company	Role	Duration
2018-19	TYBVoc SD	9	Ibitions Technology	Software Developer	320hrs
2019-20	TYBVoc SD	1	IIMUN	Assistant Director	1040hrs
		1	Shredders and Shredding Company	Software Developer	480 hrs
		1	Future Tech Partner	Tech Support	320hrs
		2	SAH company	Freelancer	120 hrs
	SYBVoc SD	2	Apex travel paradise	Web developer	48hrs
2020-21	TYBVoc SD	1	L&T	ISD Executive	720 hrs
		2	Apex travel paradise	Web developer	48hrs
		1	RoboVR	Intern	27hrs
	SYBVoc SD	1	PTE UNIVERSE	Business Development	100 hrs
		1	Godrej Beta Testing	Testing	135 hrs
	FYBVoc SD	1	Techkriti	Web developer	40 hrs
		1	Cyber Secure Inc	iOS App Developer	280 hrs
2021-22	TYBVoc SD	1	Dfine Solutions	Graphic Designer	270hrs
		1	Webifly Solutions	Web Developer	400hrs
		1	Aashman Foundation NGO	Social Media Marketing	330hrs
		1	NIS	Software Developer	1220hrs

		1	ChannelPro Communications	Web Developer	100hrs
		1	WYNAUT WEBVENTURES PRIVATE LIMITED	Data entry intern	147hrs
		1	Godrej Beta	Godrej Beta Tester	135hrs
		2	CyberSmith SECURE Pvt. Ltd.	Trainee	195hrs
		1	AskHemu	Graphic Designer	101hrs
		1	FAILURE TO SUCCESS.	Graphic Designer	120hrs
		1	Aashman Foundation NGO	Graphic Designer	250hrs
		1	Sarvadaksh Event Solutions Pvt Ltd & Develop India Online	Andriod Development	650hrs
	SYBVoc SD	1	LD Talent	Software Engineer	2200hrs
		1	Milestone NGO	Digital Marketer	220hrs
		6	CyberSmith Secure	CyberSecurity Internship	335hrs
		1	UMID	Data entry	135hrs
		1	NGO(Society for Disease Control and Research)	Graphic Designer	14hrs
		1	KeroStartup Technology	Graphic Designer	90hrs
		6	Aashman Foundation NGO	Graphic Designer	180hrs
		1	Milestone NGO	Digital Marketer	220hrs
		1	Bodh Gems and Crystals	Web Developer	569hrs
		1	Learnovate Ecommerce	Web Developer	120hrs

		1	FORTIS	Social Media Marketing	13hrs
2022-23	TYBVoc SD	3	HDFC Life Insurance	UAT Analyst	240hrs
		1	Maiotek	Software Developer	528hrs
		1	College Tips.in	Digital Marketing	30hrs
	SYBVoc SD	1	CareTeam Private limited	Software Tester	450 hrs
		1	CareTeam Private limited	WordPress Developer	450 hrs

Discussion Club: The Department of MSc Big Data Analytics, along with BSc. IT and BVoc. SD promotes the Research activities amongst the Students and Faculties under the roof of Discussion Club which was initiated in the year 2018.

In Discussion Club we encourage the students to perform research activities with the help of Guest Lectures/ Webinars by eminent personalities in the area of research domain.

We guide the students to identify the different domains of research, tools required to write scholarly articles, and research ethics, procedure to present or publish the articles.

Every year students of MSc Big Data Analytics, BSc IT and BVoc SD have presented and published the papers in National and UGC CARE Listed Journals in the domain of Machine Learning, Cloud Computing, Cyber Security, Networking and Artificial Intelligence.

Year	Events
2019-20	1 student presented paper in the Conference on “Emerging Innovations in Information Technology: Prospects & Challenges”, SM Shetty College of Science, Commerce & Management Studies, Mumbai. Name of the Book & publisher / Journal, Issue: International Journal Of Advance And Innovative Research(IJAIR).
	1 student presented paper in National Conference on “Advanced Research in Computer Science and Information Technology” , organized By Mulund College of Commerce, Mumbai, Name of the Book & publisher / Journal,Issue: Paper accepted in Springer Publishing

2021-22	<p>Guest Lectures:</p> <ul style="list-style-type: none"> - "Research Paper Writing Skills" by Ms. Krishnachalitha KC - "Research Proposal, Paper Writing" by Ms. Rupali Sawant - "Research Ethics" by Dr. Vidhi Agrawal
	<p>2 students published paper on "Impacts of Covid-19 on entertainment industry- a netflix case study model" in the International Journal of Advance and Innovative Research</p>
	<p>2 students published paper on "A study of current technologies in HRM using Machine Learning" in the International Journal of Advance and Innovative Research.</p>

DOT COM CLUB:

The **DOT COM CLUB** being the official club of the IT and BVoc(SD) department, is an entity “of the students, for the students and by the students”. “**CYBERSTRIKE**” is the department’s annual event which consists of workshops such as drone making, competitive activities such as HACKATHON, debate and quiz and other gaming competitions like PUBG, Counter Strike, FIFA etc. The event also consists of seminars on the latest trends and innovations in the IT industry.

The team of Dot Com Club also organizes **Teachers Day** celebration, **Christmas** party, etc.



Year	Events
2018-19	2 Days Intercollegiate Technical Festival “Cyber Strike” on 5th and 6th December 2018

	Tech Talk on Cyber Security by Mr. Brijesh Singh (Head of Maharashtra Cyber Cell) on 5th December 2018
	Technovators session by Ms. Janvi (Founder of Blee Tech Innovations) on 5th December 2018
	Drone Making Workshop (Certification from IIT Bombay) on 5th and 6th December 2018
2019-20	Seminar was conducted on “Cyber Security”
	E-Waste drive of 4 days was organized.
	Cyberstrike 2019 - 2020 was held
	Christmas Party was organized in December.
2020-21	Conducted an intercollegiate virtual technical event Cyberstrike on 20th and 21st February of 2021.
	Conducted a virtual Treasure Hunt on 29th December 2021.
	“Current Trends and Technology” a 3 day webinar series was conducted from 10th-12th June 2020 -Day 1: Getting started with Cloud and WordPress by Mr. Rajendra Zore founder of Host My Blog. -Day 2: Machine Learning by Dr. Pooja Raundale Prof. and Head, MCA Department, SP College, Mumbai. -Day 3: Digital Hygiene: Online Profile Management and Cyber threats by Mr. Sohrab Vakharia, Founder at wise Monkeys.
2021-22	“Cybersecurity - Think Before You Click” a 3 day webinar series was conducted from 16th-18th September 2021 -Day 1: Having adult movies on your phone/whatsapp? Risks, remedies and laws; Workshop on cyber security tools and awareness session. -Day 2: The internet: half glass full or empty? And the cybersecurity issues that come with it. -Day 3: Dark Side of Social Media & Criminal Investigation.
2022-23	Pre Promotional Event of Cyberstrike on 6th January 2023
	Graphics Workshop by Ex students (Kainat Chaudhary and Sivaottam) on 6th January 2023
	Cyberstrike 2022 - 2023 on 27th and 28th January 2023
	E-Waste drive of 2 days was organized.
	Artificial Intelligence Seminar by Aditya Phadnis (UX Stretegist and Metaverse, Lead at LTIMindtree) on 14th Jaunary 2023

	AI in Corporate Seminar by Mahima Sood (Project Lead, Conversational AI at Tech Mahindra) on 25th January 2023
	Christmas Party was organized in December.
	AI in Offensive Security Seminar by Vishal Maurya (Internship at Amazon of United States of America and previously worked at Webonise Lab) on 4th February 2023

9) Student Achievement **year-wise**

Year	Events
2019-20	TYBVoc SD student Mr Aziz Kanorwal won the highest attendance award and special research award
	TYBVoc SD student Mr Arjun Verma won the first prize in TY category of Xplore.
	TYBVoc SD student Ms Saksi Kapoor won the best CR award
	SYBVoc SD student Mr Narender Keswani won the best Sindhi student award
	SYBVoc SD student Mr Raju Mandal won the first prize in SY category of Xplore.
	FYBVoc SD student Ms Shruti Patade won the first prize in badminton intercollegiate competition
2020-21	SYBVoc SD student Mr Yaksh Kothari won the best project award in Mumbai Students Film Festival
	FYBVoc SD students 019-20 Ms Sabila Khan won the second prize in FY category of Xplore.
2021-22	SYBVoc SD students Ms Abigail Dias and Mr Daryl Davies won the second prize in FY category of Xplore.
	SYBVoc SD students Ms Sabila Khan and Mr Rohit Kanojia won the third prize in FY category of Xplore.
	FYBVoc SD students Ms Anushka Pillay won the second prize in FY category of Xplore.

	NASSCOM QP Assessment: -2 students have cleared NASSCOM QP Assessment for the job role of Software Developer -33 students have cleared NASSCOM QP Assessment for the job role of Junior Software Developer
2022-23	TYBVoc SD student Mr Priyanshu Khale along with a SYBCOM student secured first place(doubles) in M.U Zone-1 carrom tournament organized by the Burhani College, Mumbai
	TYBVoc SD student Ms Ayesha Mukati won the second prize in TY category of Xplore.

10) ELIGIBILITY REQUIREMENTS (if applicable)

The eligibility condition for admission to B.Voc. programme shall be 10+2 or equivalent, in any stream.

11) Addendum –

Name	Designation	Qualification	Date of resignation	Years of Experience
Ms. Anjali Sawant	Assistant Professor	MCA	Jan 2021	3