

GIVE YOUR DREAMS THE WINGS TO FLY



www.swarrnim.edu.in









About Swarrnim

Swarrnim Startup & Innovation University is having more than 12 years of experience in higher education. We inculcate the spirit of entrepreneurship and Startup along with all technical and non-technical courses. The inspiring environment of the campus allows students to develop themselves technically, professionally, and personally. With our Startup Launchpad at their disposal for 24*7, students can explore, validate and launch their business ideas and realize them in true sense.

At Swarrnim Startup & Innovation University, we bridge the gap between academics, industry, and society with constant interactions in the form of workshops, seminars, talks, community projects, industrial visits, industry defined projects etc. The bright minds of Swarrnim University are encouraged to use their creativity to shape a better future for society.

Our experienced faculties, backed by their research work and holistic learning, provide constant support to students. We promote our faculties to focus on research along with academics to develop an out-of-the-box delivery system.



To integrate technical education and research with technological innovations and start-up for the benefit of the society.



To provide quality technical education based on industry requirements and students potentials.

- □ To impart skills integrated education leading to employability and entrepreneurship.
- To provide holistic learning ambience.
- $\hfill\Box$ To promote research & development with effective linkage with Industries.

Vision & Mission





AWARDS



AWARDED AS
"BEST INNOVATION UNIVERSITY"
AT NATIONAL STARTUP SUMMIT 2017



AWARDED AS BEST UNIVERSITY FOR ENTREPRENEURSHIP EDUCATION 2019

From The Desk of



Mr. Rishabh Gayapprasad Jain

President, Swarrnim

Make yourself so worthy, that you become the dawn of a greater future. We, at Swarrnim Startup & Innovation University, are strong believers of this philosophy and want to make our students, so worthy, that the sun rises and shines for them. Our courses and programs have been designed for holistic development such that the aspirants are skilled, creative and confident, all at the same time. We make them intellectually adept; socially

and technically sound through initiatives like regular brainstorming sessions, seminars, group discussions, case studies, project presentations, and thought-provoking events. We promise to not just strengthen their knowledge base but make them proficient enough to confront organizational challenges.

I invite you to be a part of this progressive platform of education and gain from our state of the art facilities and teaching methods. Our committed faculty, curriculum, and excellent facilities ensure that you improve your skills, have impressive qualifications, embark on a global career and lead a blazing trail of success.



Mr Vivek Anand Oberoi

Co founder, Swarrnim

Startup Mania is all around us. Startups are the movements that are transforming how new products are built and launched. In an age of rapid technological innovations, the education system plays a compelling role. Being an Entrepreneur aficionado I am thrilled and excited to be a part of Swarrnim to nurture Startup & Entrepreneurship. The vision of this educational convergence brings Entrepreneurs together. It is an

Endeavour to maximize the potential of innovations and distribute its benefits to a wider set of audience. Between learning how to land a job to your favorite startup, Swarrnim is going to be jam-packed with opportunities to grow your knowledge base and help you holster new skills. To create innovative solutions and to maximize the positive potential of opportunities enabled by the education sector this is the right time to be better prepared for these disruptions in the entrepreneurial era.

From The Desk of



Mr. Adi Rishabh Jain

Vice President, Swarrnim

Swarrnim Startup & Innovation University, has been a place where ideas and plans are nurtured from the grassroots. At our campus, we groom students into passionate architects of the nation. Since the very beginning, our institute's faculties & staff worked dedicatedly to achieve the milestone we set for ourselves. Later our Alumni network boosts our efforts like anything. At Swarrnim, students get learned from the brightest

minds of academics and industry. They are encouraged to give birth to new ideas and face challenges. We leave no stone unturned to let them thrive through entrepreneur cultural and startup events. Join us—be a part of an ongoing tradition of excellence at Swarrnim Startup & innovation University.

From The Desk of

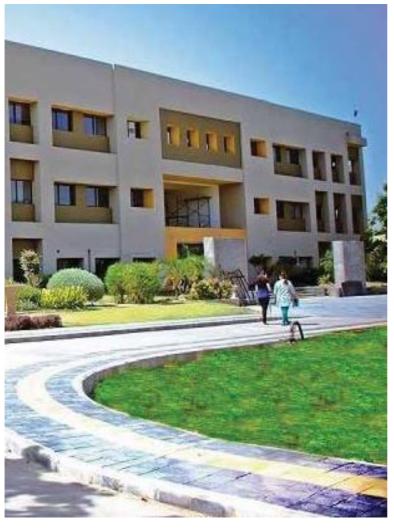


Dr. Kavita KshatriyaAcademic Director & Dean

As the Academic Dean, I am proud to be part of a community dedicated to excellence in education and research. We also understand the importance of research and scholarship in advancing knowledge and addressing societal challenges. Our university supports faculty and student research across a broad range of disciplines and encourages interdisciplinary collaboration. I believe that

a strong academic foundation is essential for my future success. I would like to see the university continue to prioritize academic excellence and provide resources and support to students to help them achieve their full potential. Additionally, I would like to encourage the university to invest in new technologies and innovative teaching methods to enhance the learning experience for students. As the world becomes increasingly digital, I believe it is important for the university to stay ahead of the curve and prepare students for the changing demands of the workforce.

About Swarrnim Institute



of Technology

At Swarrnim Institute of Technology, programs in Engineering are designed to equip you with the advanced technical expertise and strategic management skills to attain senior practitioner and leadership roles in the industry. All programs at the university focuses on building thought leadership and providing innovative solutions to the society. These programs aim to build upon your practical knowledge and develop your approaches to modern management. This enables aspirants to innovative formulate techniques, discover creative solutions emerging technology, and overcome modern engineering challenges.

The program structure is supported by teaching pedagogy and an innovative syllabus. Both are designed in a unique way, where we synchronize the practical Life experience along with the modern theory, site visits, field trips and personal interaction with industry practitioners.

This allows students to meet the "real-time obstacles" in the world of engineering and science. The learnings then brought back to the laboratories where students and faculties exchange their views on intellectual topics. Our laboratories and design studios are all well-equipped by modern-day tools that are being used in engineering industries. Our advance labs keep our students updated with the industry needs & demand. The intention here is to facilitate students with the dynamics of technology and skills to perceive & reconstruct the issues pertinent in a competitive environment, not limiting to only coursework and lectures.







Key Features

Frequent Industry interactions & seminars

Swarrnim
Incubation
Center support
for those who wish
to start their
own business

Students participation in R&D programs

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Industrial tie-ups for live projects Add-on courses on Startup, Innovation & Entrepreneurship



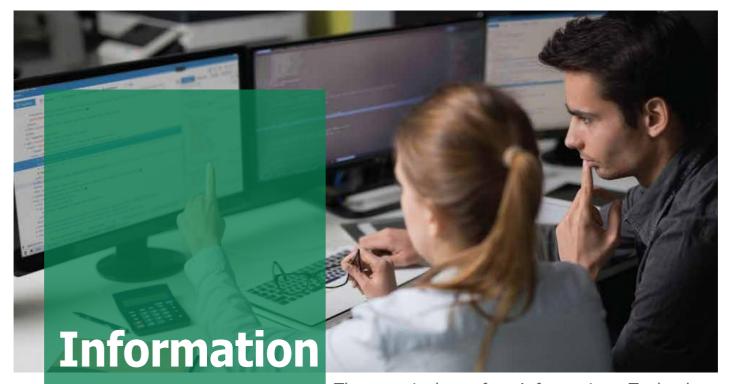












Technology

The curriculum for Information Technology Engineering is primarily designed to provide students with both theoretical knowledge and technical skills. The courses are designed in a way to invoke students' ability to think originally and creatively. The faculty members in the department are trained to produce IT-Engineers with the ability to design and develop systems involving the integration of software hardware devices. The department is equipped with modern Computer Labs, with well-trained lab assistants, to enable students to better understand the theory lecture sessions and to them exposure practical an to problem-solving. The following are the top six most in-demand IT jobs: data scientist; research scientist; business intelligence analyst; software quality assurance (QA) tester; IT security and web developer. The opportunities do not end with the categories listed above.

Swarrnim intends to improve a technological depth of knowledge and skills in the analysis, design, implementation, and use of both information technology skills core specialization skills. The students are also taught various fundamental concepts information security, web systems, computer networking, and software engineering. demonstrate proficiency in problem-solving techniques using the computer in at least two high-level programming languages and operating systems and comprehension software modern engineering principles.

B. Tech: 60 Seats | 04 Years





	Semester 3 (IT)						
subject			Teaching scheme per week				
code	Subject Name	Credit	Th	Tut	Practical	Total	
23000015	Maths-III	5	3	2	0	5	
23070301	Digital Electronics	4	3	0	2	5	
23040302	Data Structure And Algorithm	4	3	0	2	5	
23040301	Database Management System	5	3	0	4	7	
23040303	Computer Network	4	3	0	2	5	
23000014	Entrepreneural Motivation	2.5	2	1	0	3	
	Total	24.5	17	3	10	30	

	Semester 4 (IT)					
subject			Те	aching sch	eme per we	ek
code	Subject Name	Credit	Th	Tut	Practical	Total
23000016	Maths-IV	5	3	2	0	5
23040401	Operating System	4	3	0	2	5
23040402	Object Oriented Programming with C++	5	3	0	4	7
23070401	Computer Organization and MicroProcessor	4	3	0	2	5
23080401	Web Technology	4	3	0	2	5
23000017	Project Feasibility & Marketing Skills	2.5	2	1	0	3
	Total	24.5	17	3	10	30

	Semester 5(IT)						
Subject			Teaching scheme per week				
Code	Subject Name	Credit	Th	Tut	Practical	Total	
23040501	Object Oriented Programming with JAVA	6	4	0	4	8	
23040506	Computer Graphics and Visualization	4	3	0	2	5	
23040503	Information Network & Cyber Security	4	3	0	2	5	
23080501	IT Industry Management with ERP	3	2	0	2	4	
	Major Elective I	4	3	0	2	5	
23000020	Scaling up the Venture	2.5	2	1	0	3	
	Total	23.5	17	1	12	30	

Subject Code	Major Elective I
23040608	Big Data Management
23080503	Mobile Application Development technologies
23040507	Image Processing

Semester 6 (IT)							
Subject	Subject Subject Name Credit		Teaching scheme per week				
-		Th	Tut	Practical	Total		
23080601	Advance Web Technology	4	3	0	2	5	
23040604	Data Mining and Warehousing	4	3	0	2	5	
23040603	Cloud Computing	4	3	0	2	5	
23080603	Software Engineering	4	3	0	2	5	
	Major Elective II	5	3	0	4	7	
23000021	IDEA to Minimum Viable Product	2.5	2	1	0	3	
	Total	23.5	17	1	12	30	

Subject Code	Major Elective II
23040605	.NET Technology
23040601	Wireless network
23040606	Advance JAVA
23080604	Data Compression and Transmission

Semester 7 (IT)							
Cubicat			Teaching scheme per week				
Subject Code	Subject Name	Credit	Th	Tut	Practical	Total	
23040701	Artificial Intelligence	6	4	0	4	8	
	Major Elective I	5	3	0	4	7	
23000023	Project I	2	0	0	4	4	
23000022	Managing Innovation & IPR for Entrepreneurs	2.5	2	1	0	3	
	Total	15.5	9	1	12	22	

Subject Code	Major Elective I
23040702	Python Programming
23040703	IOT and Applications
23040704	Network Programming

Semester 8 (IT)							
Subject	Subject Name	Credit	Teaching scheme per week				
Subject Code			Th	Tut	Practical	Total	
	Major Elective II	6	4	0	4	8	
23000025	Project 2	8	0	0	16	16	
23000024	Subject from School of IE	2.5	2	1	0	3	
	Total	16.5	6	1	20	27	

Subject Code	Major Elective II
23080801	Machine Learning
23040802	Programming with XML & JSON
23040803	Graphics Programming/ Animation



Specialization in: Cyber Security, Machine Learning & Artificial Intelligence

Engineering

B. Tech:60 Seats | 04 Years

Swarrnim Institute of Technology's programs in Computer Engineering helps develop thorough understanding of the theoretical and practical aspects of Computer Science and Software Engineering and their interrelationships. This field of engineering not only focuses on how computer systems themselves work but also how they integrate into the larger picture. Swarrnim strives to create а learning environment that is conducive to development of a wholesome personality of students. They are a class apart as they have been taught about the latest development in computer engineering rather than following the aged old techniques. During the industry internship, students apply their learned theories into practice while working development projects.

Swarrnim Institute of Technology has excellent infrastructure to learn computer engineering. We are proud to share the university has India's first Apple Lab, being set up by Apple Computers. The lab witness frequent training sessions on iOS applications by industry experts. These experts are nominated by Apple only. The computer engineering programs train graduate students to become global IT experts in the fields of built-in information system technology, largescale computing technology, multimedia technology, interface human technology, robot information technology, and environmental IT technology.

CURRICULUM



Semester 3	(CE)						
subject		Credit	Teaching scheme per week				
code	Subject Name		Th	Tut	Practical	Total	
23000015	Maths-III	5	3	2	0	5	
23070301	Digital Electronics	4	3	0	2	5	
23040302	Data Structure And Algorithm	4	3	0	2	5	
23040301	Database Management System	5	3	0	4	7	
23040303	Computer Network	4	3	0	2	5	
23000014	Entrepreneural Motivation	2.5	2	1	0	3	
	Total	24.5	17	3	10	30	

Semester 4	(CE)					
subject	Subject Name Credit		Te	aching sch	eme per we	ek
subject code		Th	Tut	Practical	Total	
23000016	Maths-IV	5	3	2	0	5
23040401	Operating System	4	3	0	2	5
23040402	Object Oriented Programming with C++	5	3	0	4	7
23040403	System Software	4	3	0	2	5
23070401	Computer Organization and MicroProcessor	4	3	0	2	5
23000017	Project Feasibility & Marketing Skills	2.5	2	1	0	3
	Total	24.5	17	3	10	30

Semester 5	(CE)						
CLIDIECT		Credit	Teaching scheme per week				
SUBJECT CODE	Subject Name		Th	Tut	Practical	Total	
23040501	Object Oriented Programming with JAVA	6	4	0	4	8	
23040502	Theory of Computation	4	3	1	0	4	
23040503	Information Network & Cyber Security	4	3	0	2	5	
23040504	Web Technology	4	3	0	2	5	
	Major Elective I	4	3	0	2	5	
23000020	Scaling up the Venture	2.5	2	1	0	3	
	Total	24.5	18	2	10	30	

Subject Code	Major Elective I			
23040505	Computer Maintanance and Troubleshooting			
23040506	Computer Graphics and Visulization			
23040507	Image Processing			

Semester 6	(CE)					
Subject		Credit	Teaching scheme per week			
Code	Subject Name		Th	Tut	Practical	Total
23040601	Wireless Network	4	3	0	2	5
23040602	Compiler Design	4	3	0	2	5
23040603	Cloud Computing	4	3	0	2	5
23040604	Data Mining and Warehousing	4	3	0	2	5
	Major Elective II	5	3	0	4	7
23000021	IDEA to Minimum Viable Product	2.5	2	1	0	3
	Total	23.5	17	1	12	30

Subject Code	Major Elective II	
23040605	.NET Technology	
23040606 Advance JAVA		
23040607 Web Data Management		
23040608	Big Data Management	

Semester 7	(CE)						
Cubicat		Credit	Teaching scheme per week				
Subject Code	Subject Name		Th	Tut	Practical	Total	
23040701	Artificial Intelligence	6	4	0	4	8	
	Major Elective I	5	3	0	4	7	
23000023	Project I	2	0	0	4	4	
23000022	Managing Innovation & IPR for Entrepreneurs	2.5	2	1	0	3	
	Total	15.5	9	1	12	22	

Subject Code	Major Elective I	
23040702	Python Programming	
23040703	IOT and Applications	
23040704	Network Programming	

Semester 8	(CE)					
Subject			Teaching scheme per week			
Subject Subject Name Credit		Th	Tut	Practical	Total	
	Major Elective II	6	4	0	4	8
23000025	Project 2	8	0	0	16	16
23000024	Subject from School of IE	2.5	2	1	0	3
	Total	16.5	6	1	20	27

Subject Code	Major Elective II	
23040801	Android Programming	
23040802	Programming with XML & JSON	
23040803	Graphics Programming/ Animation	

AY 2024-25: Odd Semester: UG Sem. 5, 7 & PG Sem. 3 (SIT)					
Particulars	Date				
Commencement of new Academic- B.Tech- Semester 5,7 / M.Tech, - Semester 3	01/7/2024-22/11/2024				
Teaching, Learning & Continuous Evaluation - Phase 1 (8 Week)	01/07/2024 to				
B.Tech- Semester 5,7 / M.Tech, - Semester 3	19/08/2024				
Attendance Review-1 (8 Weeks)	23/08/2024				
Mid-Sem Exam B.Tech- Semester 5,7 / M.Tech, - Semester 3	27/08/2024				
Declaration of Mid Sem Result & PTM	At the end of First Phase				
Teaching, Learning & Continuous Evaluation -Phase 2 (9 Week)	05/09/2024 to				
B.Tech- Semester 5,7 / M.Tech, - Semester 3	18/11/2024 (Inclusive 10 days Diwali vacation)				
Attendance Review-2 (8 Weeks)	22/11/2024				
University Exam B.Tech- Semester 5,7 / M.Tech, - Semester 3	02/12/2024				
End of the First term	December, 2024				

AY 2024-25: Even Semester: UG Sem. 2/4/6 & PG	Sem. 2/4 (SMCLA)
Particulars	Date
Commencement of BA, BBA, BCOM- Semester 4,6; MBA- Semester 4	1/1/2025
Commencement of BA, BBA, MBA- Semester 2	27/1/2025
Teaching, Learning & Continuous Evaluation - Phase 1 (8 Week) BA, BBA, BCOM- Semester 4,6; MBA- Semester 4	01/01/2025 to 24/02/2025
Attendance Review-1 (8 Weeks)	26/02/2025
Mid-Sem Exam BA, BBA, BCOM- Semester 4,6; MBA- Semester 4	03/03/2025
Declaration of Mid Sem Result & PTM	At the end of First Phase
Teaching, Learning & Continuous Evaluation -Phase 1 (8 Week) BA, BBA, MBA- Semester 2	27/01/2025 to 22/03/2025
Attendance Review-1 (8 Weeks)	24/03/2025
Mid-Sem Exam BA, BBA, MBA- Semester 2	31/03/2025
Declaration of Mid Sem Result & PTM	At the end of First Phase
Teaching, Learning & Continuous Evaluation - Phase 2 (8 Week) BBA, BCOM- Semester 2,4,6; BA Semester 2 & 4; MBA- Semester 4	16/03/2025 to 10/05/2025
Attendance Review-2 (8 Weeks)	12/05/2025
Teaching, Learning & Continuous Evaluation - Phase 2 (8 Week) BA, BBA, MBA- Semester 2	07/04/2025 to 31/05/2025
Attendance Review-2 (8 Weeks)	31/5/2025
University Exam BA, BBA, BCOM- Semester 4,6; MBA- Semester 4	15/05/2025
University Exam BA, BBA, MBA- Semester 2	02/06/2025
End of the First term (BBA, BCOM- Semester 2,4,6; BA Semester 2 & 4; MBA-Semester 2,4)	May, 2025



Engineering

Climate change and its impacts immediate global environmental concern. The present lifestyle & environment is a major contributor to carbon emissions and depletion of resources. Besides, the indoor environment within buildings has a major impact on the health. well-being, and productivity environmental occupants. An engineering program attempts to create a more sustainable approach that can be achieved using a combination of passive and active strategies utilizing the latest knowledge, design, and modeling strategies. This will reduce energy needs, and provide more comfortable and healthy indoor and outdoor living environments.

M. Tech: 18 Seats | 02 Years Environmental engineers use the principles of engineering, soil science, biology, and chemistry to develop solutions to such environmental problems. They work to improve recycling, waste disposal, public health, and water and air pollution control. They also address global issues, such as unsafe drinking water, climate change, and environmental sustainability. At conduct hazardous-waste Swarrnim, management studies in which students evaluate the significance of a hazard and advise on treating and containing it. A student also learns to design systems for municipal and industrial water supplies and industrial treatment, and research environmental impact of proposed construction projects.

Swarrnim Incubation Center

The Swarrnim Incubation Centre (SIC) offers a whole spectrum of incubation facilities and support to prospective entrepreneurs and startups. It helps them to convert their innovative thoughts, ideas into reality and make commercially viable products or services out of it. The center also promotes students to identify problems or challenges faced by society and come up with a possible solution. SIC incubates ventures in technology, agriculture, social, engineering and other disciplinary areas. SIC hosts regular events like entrepreneurial talk, workshops, and seminars that have offered SIC a good interface and visibility in the region.



- 15+ Startups incubated @ Incubation Center
- 100+ Students working on startup ideas at various stages

B

- 18+ experts workshops in the last financial year
- Funding of Rs. 50 Lac+ to startups
- 10+ IPR filed (provisional) and 6 ideas submitted for patents (provisional)
- Best Startup Selected in the top 100 startups in Gujarat by SSIP, GoG.
- 100+ startup ideas and prototypes are under consideration

Support @ SIC



Electric Cyclet

It's a hybrid vehicle working on both conventional and electric vehicle technology in which the cycle would be operated through motor and battery in electric mode and conventional paddling method for operating it as a cycle.

Startups/Incubatee

V-Share It is an online ap service to the co

It is an online application which provides carpool service to the commuters commuting on same routes which eases their mode of transportation and saving time, fuel and money, also minimizing pollution.

Booksty

A platform providing a service of purchasing used books of various streams, which can be opted at nominal price.

02

Garagecon

Garagecon is an online application for hassle free service booking of 2 and 4 wheelers round the clock.

Gardenifyvt

Gardenify is an online web portal providing gardening services from setting up to maintenance of garden, enriching greenery on every turf.



About Training &

Placement Cell

At Swarrnim, we understand that some students do like to gain industry experience before going for a startup. We also acknowledge the need to having a job in hand after course completion. Hence we are continuously adding more feathers to its network to provide the best training and placements to Swarrnim's bright minds. The cell has been illustrious in facilitating students in organizing industrial visits, getting live projects, soft-skills training, organizing industry talks, etc.

Activities @ Training & Placement Cell



Campus Placements



Career Orientation Programmes



Industrial Training



Soft Skills Training



Industry Meet



Expert Talks



Industrial visits
- Study tour



Swarrnim Facilities



Lush Green **Campus**



WiFi **Facilities**



Startup Experts for Mentoring



Environmental Lab for audit



Funding to Startups



Hostel (AC/Non AC)



Transportation (From Ahmedabad / Gandhinagar)



Canteen



Incubation Center



Classes



Apple Lab



Library



Homeopathy and Ayurvedic Hospital



OPD of **Physiotherapy**





Well Equipped Labs



ACHIEVEMENTS

- Y Awarded as "Best University of the year 2019 for Entrepreneurship Development & Education in India" at NEEA Conference 2019.
- Y Awarded as "Best Innovation University" at National Startup Summit 2017, Gujarat
- \mathbb{Y} 13 students from the Bachelor of Architecture course selected for Bulgaria students exchange program.
- Rs. 1 Cr grant from Govt. of Gujarat under SSIP for Startups.
- ☐ India's first Apple iOS skill center operational at Swarrnim.
- Virtual Lab with IIT Roorkee, Development of Control Laboratory with IIT Mumbai
- Swarrnim Skill-X Online Platform to build an industry-oriented skill for the students (Unique in India)
- 15+ MoUs with Industries, National and International Universities
- Best Immerging Startup Award by Hon. Shri Manshukh Mandaviya, Union Minister of State for Shipping, Chemical, and Fertilizers.
- A 3D Printing Lab, where students can transform imagination into reality.
- Approved by "Industries Commiserate of Gujarat", a "Nodal Center" in Gandhinagar Zone.

Recruitment Speak



Tech Mahindra. Mr. Ankit Shah - Senior Associates

Excellence hospitality, Swarrnim did very systematic coordination and all arrangements were very good. In near future the students of this institute will certainly bring laurels for the institute. We wish all the very best to each one associated and attached with this great and professionally managed institute. Would love to visit again.



Akash Technolabs Mr. Akash Padhiyar - CEO

A very good institute with students of great intellect and caliber. Subject preparations & fundamentals of the students were very good.

ALUMNI TESTIMONIALS



Mr. VEER AKHANI Placed in CYGNET INFOTECH

I would like to thank my University who gave me a great support to achieve this goal. I would also like to thank Vijayant sir (Head-Training and Placements) who gave me chance to achieve this target. And also my faculty members who trained me so well and which is why I am standing here today.



Ms. SIMONI CHITOLIA
Placed in Tech Mahindra

I am feeling very proud that I have taken admission at Swarrnim Institute of Technology. They have prepared us for Interviews and given us confidence to give our best during the interview. I'm thankful to all my faculties, my HoD sir Mr. Ramji Kanani and also special thankful to Vijayant sir for giving this extra opportunity.

Life at Swarrnim



























SWARRNIM CAMPUS

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