Silicon Tech

Information Brochure 2023-24

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About SiliconTech

Silicon Institute of Technology (known as SiliconTech) was founded in 2001 in Bhubaneswar, Odisha. It is a top-ranked (amongst private and government) engineering institute in the state, which provides technologically focused education to more than 2500 undergraduate and postgraduate students in different fields.

Autonomous Institute	**NAAC** Grade 'A'	**AICTE** Approved	Affiliated to **BPUT, Odisha**	**NIRF 2022** Rank- 161 (Engineering)	**NBA Accredited** UG Programs (CSE, ECE and EEE)	**ARIIA 2021** 'Band B' Performer

VISION

To become a centre of excellence in the fields of technical education & research and create responsible citizens.

MISSION

To provide the best of technical skills, professional ethics, and human values in enriching the disciplines of Science, Engineering and Technology for Social development and Nation building.

QUALITY POLICY

Our quality policy is based on the 5L principle of **Lectures, Laboratory, Library, Learning,** and **Leadership** to move beyond teaching and foster creative leadership and a culture of teamwork.

Ranking & Recognitions

Odisha State Energy Conservation Award 2022

C V Raman Award for Academic Excellence 2021

Outstanding Engineering Institute Eastern zone by ABP News in 2016

Awarded **"Best performing Institution Innovation Council"** for the 4th consecutive year in 2022, by MoE, Govt. of India

Recognized as an **"Incubator"** in 2022 by Start-up Odisha

Received **"Start-up Cell"** award in 2021 from BPUT, Odisha

Only Institution Innovation Council from Odisha to be selected as a mentor institution in 2021, by MoE, Govt. of India

Our Innovation & Incubation Centre is approved as a **Business Incubator (BI)** in 2019, by MSME, Govt. of India

Awarded the **"Best Engineering College"** in Odisha in 2018 & 2019 by Indian Society for Technical Education (ISTE)

Won the **"Best Technical Institute Award in Research and Development"** in the Odisha Technological Conclave 2017

Programs Offered

Undergraduate (B.Tech.) Programs

SPECIALIZATION	PROGRAMS OFFERED	INTAKE		
		Regular	Regular (TFW*)	Lateral
Electrical Sciences	B.Tech. Electronics & Communication Engineering (ECE)	180	9	18
	B.Tech. Electrical & Electronics Engineering (EEE)	180	9	18
	B.Tech. Electronics & Instrumentation Engineering (EIE)	60	3	6
Computer Sciences	B.Tech. Computer Science & Engineering (CSE)	180	9	18
	B.Tech. Computer Science & Technology (CST)	60	3	6
	B.Tech. Computer Engineering (CEN)	60	3	6

* TFW – Tuition Fee Waiver

B.Tech. students have the option to change their branches at the end of 1st year, based on merit, preference, and academic rules.

Postgraduate (M. Tech. / MCA / M.Sc.) Programs

DEGREE	PROGRAMS OFFERED	INTAKE
M.Tech.	M.Tech. Computer Science & Engineering (CSE)	9
	M.Tech. Electrical & Electronics Engineering (EEE)	9
	M.Tech. Electronics & Communication Engineering (ECE)	9
MCA	Master of Computer Applications (MCA)	60
M.Sc.	M.Sc. (Data Science)	30
	M.Sc. (VLSI)	30
	M.Sc. (Embedded Electronics & IIoT)	30
	M.Sc. (Molecular Medicine)	30

Ph. D. Programs: SiliconTech offers Ph.D. programs in a wide range of specializations in Engineering, Science, Mathematics, Humanities, Social Sciences and allied interdisciplinary areas.

Admissions

Undergraduate (B.Tech.) Admissions

PROGRAMS	ELIGIBILITY	QUALIFYING EXAM	SELECTION PROCESS	SPOT ADMISSION
B. Tech. Regular Admissions	10+2 (Science) with minimum aggregate of 45% in Mathematics, Physics & Chemistry	JEE Mains 2023	OJEE e-counselling	Students who have not participated in first round of OJEE counselling can participate in institute level (spot) admissions, based on JEE Main entrance rank for regular admissions and OJEE entrance rank for lateral entrants. Admissions will be on a first come first serve basis subject to vacancy of seats and as per guidelines of Government of Odisha.
B. Tech. Lateral Entry Admissions	B. Sc./ Diploma in Engineering of respective branches	OJEE 2023	OJEE e-counselling	

Postgraduate (M.Tech./ MCA/ M.Sc.) Admissions

PROGRAMS	ELIGIBILITY	QUALIFYING EXAMINATION	SELECTION PROCESS	SPOT ADMISSION (INSTITUTE LEVEL ADMISSION)
M.Tech. (CSE)	B.Tech./B.E. in CSE/EEE/ EE/ECE	PGAT conducted by OJEE 2023 / GATE 2022 / GATE 2021	Institute level selection based on GATE / PGAT score	Admissions will be on a first come first serve basis subject to vacancy of seats and as per guidelines of Government of Odisha.
M. Tech. (ECE)	B.Tech./B.E. in ECE/EEE			
M. Tech. (EEE)	B.Tech./B.E. in ECE/EEE			

Postgraduate (M.Tech./ MCA/ M.Sc.) Admissions - Contd.

PROGRAMS	ELIGIBILITY	QUALIFYING EXAMINATION	SELECTION PROCESS	SPOT ADMISSION (INSTITUTE LEVEL ADMISSION)
MCA	B.Sc. / BCA	OJEE-2023	OJEE e-counselling	
M.Sc. (Data Science)	Mathematics or Statistics as one of the subjects or B.Sc. (Engg)/BE /B.Tech. in any discipline of Engineering	Minimum 55% marks/ equivalent or 2nd Class Honours in the qualifying undergraduate degree with Mathematics and Computer Programming	Institute level counselling based on career marks	Admissions will be on a first come first serve basis subject to vacancy of seats and as per guidelines of Government of Odisha.
M.Sc. (VLSI)	B.Sc. degree in Physics / Electronics / Computer Science, B.Sc. (Engg)/BE/B.Tech. in ECE/ EEE/ EE/ CSE/ or related programs	Minimum 55% in the qualifying UG examination	Institute level counselling based on career marks	
M.Sc. (Embedded Electronics & IIoT)	B.Sc. degree in Physics/Electronics/ Instrumentation or equivalent programs or B.Sc. (Engg)/BE/B.Tech. in ECE/EEE/EIE or related programs	Minimum 55% in the qualifying UG examination		
M.Sc. (Molecular Medicine)	B.Sc. Degree in Biotechnology, Microbiology, Microbial genetics, Human Genetics, Medical Genetics, Molecular Biology, Genetics, Biochemistry, Zoology or BE, B.Tech. (Biotechnology), B Sc., B.Tech. (Genetic engineering, Tissue engineering, Stem Cell technology) or M.B.B.S., B.V.Sc., B.Pharm, D.Pharm, B.M.L.T.	Minimum 55% in the qualifying UG examination		

Cost of Study

The cost of studying at SiliconTech varies between Rs.1,35,000 - Rs. 3,76,000 per annum. The final study cost depends on
- Undergraduate or Postgraduate program
- Day-scholar or Hostelite
- AC or non-AC residence chosen, if hostelite

Financial Support

Representatives of various banks are present on the campus for loan purposes on the day of orientation.

Registration for Admission -2023

- Register by filling up the online application at https://erp.silicon.ac.in/onlineadmission/register.php
- The institute can interact with the students and guide/assist them in the admission process.

Curriculum

Our curriculum is constantly evolving, keeping in sync with industry and research requirements. It consists of the following key components:

▼ **Academics:** The program structure for all undergraduate disciplines comprises of Common courses, Compulsory disciplinary courses, Laboratory courses and Elective courses.

▼ **Summer Internship:** It is an integral part of the academic curriculum, which has a duration of 30-45 days and is conducted during summer breaks after the 2nd, 4th and 6th semesters.

▼ **Practice School (PS):** It provides an excellent opportunity for students to get on-the-job training and gain employability skills.

Entrepreneurship Activities

The Entrepreneurship Development Cell (ED Cell) at SiliconTech is recognized as the most vibrant ED Cell in the state.

143 Expert talks on entrepreneurship

14 Entrepreneurship development programs

41 Workshops on business plan & innovation

18 Businesses started

13 Business domains
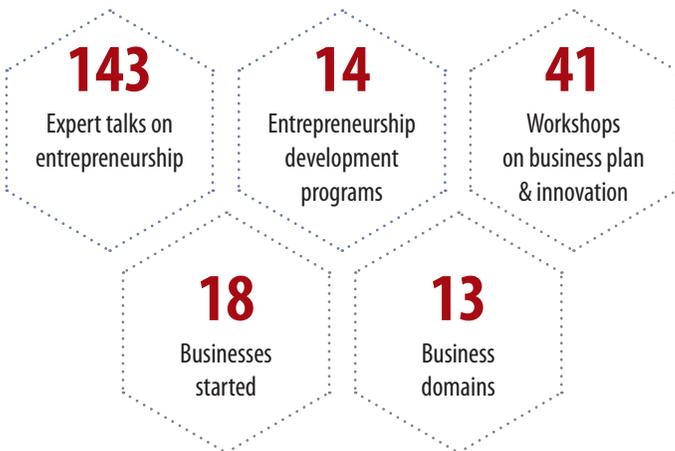
SiliconTech's Business Incubator (BI) has successfully incubated 14 start-ups bringing technology products and services to the marketplace.

BI IMPACT

| **30.35** Crores Funding received | **78.42** Crores Current revenue | **146.52** Crores Projected revenue in next two years | **906** People employed |

Research & Consultancy

SiliconTech signed a MoU with Kristellar Aerospace Pvt. Ltd. to conduct joint research in cyber security and aerospace domains on 10 April 2023.

SiliconTech signed a MoU with inDNA Life Sciences Private Limited to launch an M.Sc. (Molecular Medicine) program and open a research facility by the name of JBS Haldane Center on 30 November 2022.

" SiliconTech researchers collaborate with academics, industry experts and scientists from across the globe to promote advances in science and technology. "

60% of our faculty members have completed their Ph.D.

247	161	154	50	5
SCI/ Scopus Indexed journals	Journals with high impact factor	Conference proceedings	Books / Book chapters	Industry Consultation Contracts

SiliconTech has received grants amounting to **INR 3,20,97,810** from various funding organizations like the Department of Science and Technology, Govt. of India, AICTE, and BPUT to conduct research in diverse areas of science and technology.

Placement Highlights

- More than 80% of the students get placed every year

- Majority of our final-year students do internship under our Practice School (PS) program for one semester in the final year with monthly stipends varying in the range of Rs. 8K to Rs. 50K

- Top companies in product development, start-ups, IT services and core sector from diverse fields recruit SiliconTech students

B.Tech.

Key Statistics *(2023 graduating batch as on 30 April 2023*)*

81% Students placed	75 Companies participated	786 Job offers	7:1 Students per company
1.5 Job offers per student	246 Internship Offers	5.8 LPA Average Package	20 LPA Highest Package

MCA

62% Students placed	35 Companies participated
40 Job offers	7.1 LPA Highest Package

M.Sc. Data Science

35% Students placed	15 Companies participated
5 Job offers	7.1 LPA Highest Package

Placement is continuing

B.Tech.

Key Statistics *(2022 graduating batch)*

96% Students placed	65 Companies participated	1080 Job offers	7:1 Students per company
2.5 Job offers per student	221 Internship Offers	5.1 LPA Average Package	33 LPA Highest Package

MCA

91% Students placed	35 Companies participated
135 Job offers	7.5 LPA Highest Package

M.Sc. Data Science

94% Students placed	20 Companies participated
18 Job offers	6 LPA Highest Package

Practice School (PS) Highlights

Practice School (PS) Features

Applicable only to final year B.Tech. students of all branches	Optional component of B.Tech. curriculum	Carries 16 academic credits	Course duration is approximately six months / one semester	Can be opted either in 7th semester (Jul to Dec) or in 8th semester (Jan to Jun)	Supported by monthly stipend in the range of 8K-50K

Key Statistics *(2023 graduating batch as on 30 April 2023*)*

237 Students opted for PS	**90%** Converted to placements	**61** PS Stations**	**15K** Average Stipend	**50K** Highest Stipend	**6.23 LPA** Average Package

*PS is continuing

Key Statistics *(2022 graduating batch)*

128 Students opted for PS	**100%** Converted to placements	**27** PS Stations**	**10K** Average Stipend	**40K** Highest Stipend	**6.01 LPA** Average Package

**Practice School (PS) Stations are companies where the PS students do their internship like Accolite, BALCO, STMicroelectronics, Vodafone etc.

Our Recruiters (Last 3 Years)

IT Product / Consulting			VLSI/Core Manufacturing/Media/Research/Insurance & Banking/Sales & Marketing
Abzooba	IBM	Qvantel	Adani Group
Accenture	Incture	Rapidsoft	Aloha Technology
Accolite Digital	Infosys	Recruit CRM	Argus News
AcesoCloud	Innova Solutions	Rumango	Asiczen Technologies
Acorn Globus	Intel	Runo	Blue Star
Aditi Consulting	Intellipaat	Sanmina	Byjus
Akridata	Interland Technology	SAP Labs	CoreEL Technologies
Amazon	INVINCIX	SDI- Deloitte	DeepSource
Aptus Data Labs	iServeU	Searching Yard	Digit General Insurance
Argusoft	ITC infotech	Simplfy VMS	DZinepiXel
Blaze Automation	JBS Capacitors	Spikewell	Fusion Practices
Bourntec Solutions	Kirloskar	Squbix	GoComet
BRN Commerce	KPIT	STL	Haber
Capgemini	Kuvera	Stackit	Indian Oiltanking
Capillary	Larix Technologies	Subex	Infogain
CAW Studios	LatentView	Surya Software	Jindal Group
Centroxy	Logit One	SysCloud	JSW
Chargebee	LTTS	TCS	Kellton Tech
Cognizant	Mavenir	Tech Mahindra	Larkai Healthcare
Cozentus	Maventic	Teleglobal International	Marquee Semiconductor
Date TheRamp	McKinley Rice	Tetrasoft	Medha Sevo Drives
Deloitte	Micron Technology	Texas Instruments	Mentor Graphics
DeltaX	Mindfire	Tiger Analytics	NSL Hub
DXC	MindGraph	upGrad	Open-Silicon
eClerx	Mindtree	ValueLabs	Pentair
ESSPL	Modak Analytics	Wipro	PerfectVIPs
Evosys	MTX	Workz	Phoenix Software
FelixHealthcare	Nagarro	XCEL Corp	Phytec
Finastra	NIIT	Xoriant	Sevya Multimedia
First American	Nirmalya Labs	Zensar	SmartSOC Solutions
FSS	ODISOFT		SquidMind
Genpact	PeopleStrong		STMicroelectronics
GlobalFoundries	Pipli Technologies		Synopsys
Goranggo & Company	PoloSoft Technologies		Tata Power
HashedIn	Prodapt		Vodafone Idea
HCL	PropelId		VuNet
Hexaware	PwC		VVDN
Hughes Systique	Quest Global		

Campus Life

The Silicon Students Council comprising 58 members elected / nominated every year ensures students' involvement in academic, professional, and personal development and builds student leadership.

SiliconTech hosts two popular national intercollege events every year – **Zygon**, the cultural fest, and **Noesis**, the technical fest.

> " *More than 20 student clubs, groups and learning societies help to explore extra-curricular interests.* "

Technology Clubs
Circuit Club, SWITCH Club, Robotics Club, QWERTY Club

Social and Cultural Clubs
Social Media Cell, CineMax Club, Creative Club, Music Club, Photography Club

Sports and Fitness Clubs
Health & Gym, Sports Club, Cricket Club, Yoga Club

Personality Development Clubs
The Meta Academics Cell, SAGE-W Cell, Toastmasters Community Club and Quiz Club

Learning Societies
IEEE, ISTE, CSI, Unstop, Code Chef

Social Service
Zeal Club, Green Club, YfS, NSS

Facilities

Academics

Spacious Classrooms with audio-visual facility
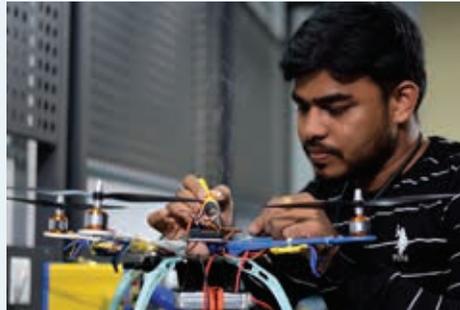
Laboratories with state-of-the-art equipment

Lecture Theatres with advanced audio-visual setup

Central Library having discussion rooms & separate reading cubicles

Research Center for building a thriving research community

A 400-seater auditorium

Other Facilities

SkyLab - An outdoor 24*7 Wi-Fi zone

SunDeck – Sports Complex having 400M Running Track, Basketball Court, Badminton Court, Volleyball Court, Football Ground, Cricket Ground.

Gym - Well-equipped with a dedicated instructor

1. **Residences:** 2 boys' residences with the capacity of 1200
   - 1 girls' residence with a capacity of 600
   - Each resident is provided with a bed, table, chair, wardrobe, new mattress & pillow
   - AC rooms also available
   - Most of the rooms are on sharing basis
2. **Medical Facilities:** 24 x 7 ambulance facility
   - A general physician and a gynaecologist visit the campus twice a week
   - On-campus Residence Clinic with first-aid essentials
3. **Dedicated counsellors:** Present on campus to help the students
4. **Transport facilities:** Available at no additional cost

Our Alumni

Best Offers*

Srijan Paul
CSE, 2023

DeepSource, 20 LPA

Dibyajit Swain
ECE, 2023

Mentor Graphics, 20 LPA

Subham Rath
ECE, 2022

Texas Instruments, 33 LPA

Swapna Sanjog Mohanty
CSE, 2022

Amazon, 25 LPA

Akash Das
CSE, 2020

Wiley, 40 LPA

Raj Jha
CSE, 2019

Swiggy, 42 LPA

Best Career Advancements*

Smrutiranjan Dalai
CSE, 2023

GATE 2022 AIR – 250
IISc, Bangalore

Digbijayee Nayak
CSE, 2023

GATE 2022 AIR – 299

Kaustuv Ray
CSE, 2021

GATE-2021 AIR- 67
IISc, Bangalore

Abhinab Das
ECE, 2022

M.Tech., IIT Dhanbad

K.V.D. Pallavi
EEE, 2020

MS in Finance, University of Rochester, USA

Ritu Rani Kesari
CSE, 2020

Masters in Software Engineering, SAP-BITS

*As on 30 April 2023

University Gold Medallists

Satabdi Panda
EIE, 2021

Swikruti Mohapatra*
CSE, 2021

Abhishek Lohia
EEE, 2021

Rucha Pattnaik
ECE, 2020

Raj Jha*
ESE, 2019

Sneha Kumari
ECE, 2019

Anamika Mittal
IT, 2019

Bharati Kabra
EEE, 2019

Samiksha Agrawal
EIE, 2019

* Also recipient of "Arjun Bhuyan Award for University Topper"

Why join SiliconTech?

2695	**156**	**6**	**9500+**
Students	Faculty Members	Departments	Alumni

- A leading autonomous technological institute in Odisha since 2001
- Distinguished faculty members having Ph.D. with extensive research experience
- Outstanding placement record, rated among the top in the state
- Pioneer in the eastern zone to offer Practice School (PS) program
- Strong and active alumni network in India and abroad
- Enriched Industry-Institute interface
- Multi-disciplinary research facilities
- Highest Rated Entrepreneurship Development Cell (ED Cell) in the state
- Vibrant Campus life

Contact Us

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M.Tech. (ECE): Prof. Soumya Ranjan Samal (+91 9090014236)
M.Tech. (CSE) / MCA / M.Sc. (Data Science):
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M.Sc. (VLSI): Prof. Biswajit Baral (+91 9937071268)
M.Sc. (EE & IIoT): Prof. Ambarish G. Mohapatra (+91 9938918991)
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