

A.Y.Dadabhai Technical Institute

Trusted To Deliver Excellence

MANAGED BY: THE SURATEE SUNNI VOHRA MUSLIM EDUCATION SOCIETY, SURAT.

Volume: 2 | Issue: 3 | Release Date: July,2024

CodeVista

Where Ideas Compile into Innovation





Computer Engineering Department



A.Y.DADABHAI TECHNICAL INSTITUTE

Trusted to Deliver Excellence

2023 - 24 Edition

CodeVista

MANAGED BY: THE SURATEE SUNNI VOHRA MUSLIM EDUCATION SOCIETY, SURAT. Trust Reg. No. F/14

About Institute

Overview:

A.Y. Dadabhai Technical Institute (AYDTI) is a premier polytechnic institute located in Kosamba, Surat District, offering top-notch technical education to students aspiring to excel in engineering and technology. Established under the management of The Surtee Sunni Vohra Muslim Education Society (Reg No: F-14), AYDTI is dedicated to fostering innovation, skill development, and academic excellence.



Why to choose us?

- Advanced Laboratories with 200+ computers
- Smart Classrooms
- Effective Use of ICT (Video Lectures, Presentations, Charts, Models)
- Knowledge Enrichment through NPTEL, Guest Lectures, Seminars...
- · Periodical Industrial Visits
- 24 Hours RO purified drinking water
- Internet Facilities with 100 Mbps speed
- · Printing Facilities at reasonable price
- · Facility for Indoor & Outdoor Games
- Dedicated Scholarship Cell

VOLUME INSIDES

- 1. Vision, Mission, PEOs
- 2. Industrial Visits During A.Y. 2024 25
- 3. Expert Lectures During A.Y. 2024 25
- 4. Student's Activity
- 5. Faculty Corner
- 6. Sports Event "RANBHUMI"
- 7. Project Competition "PRAKALP"
- 8. Exam Results List of Toppers
- 9. Placement

Our Credentials

- Approved By:
 - All India Council for Technical Education (AICTE), New Delhi.
 - (Permanent ID: 1-404292091)
- Affiliated with:
 - Gujarat Technological University, Ahmedabad.
 - Institute Code: 601
- Accredited by NBA:
 - All four programs
 - Civil
 - Mechanical
 - Computer
 - Electrical Engineering
- Ranked by GSIRF:
 - Recognized for academic excellence and infrastructure.
- IIC Registration:
 - A.Y. Dadabhai Technical Institute (AYDTI) is registered in the IIC portal with IIC ID: IC202217034.
- AISHE Code: C-364
- National Scholarship Portal ID: GJ-C07106

"The best way to predict the future is to invent it."

-Alan Kay computer scientist



A.Y.DADABHAI TECHNICAL INSTITUTE

Trusted to Deliver Excellence

MANAGED BY: THE SURATEE SUNNI VOHRA MUSLIM EDUCATION SOCIETY, SURAT, Trust Reg. No. F/14

CodeVista

2023 - 24 Edition

About Computer Engineering Department

HOD's Desk



Dear Readers.

It is a matter of pride and pleasure to share this edition of our departmental newsletter, CodeVista. This newsletter reflects the hard work, creativity, and technical spirit of our students and faculty, showcasing not only academic milestones but also the enthusiasm and talent that define the Computer Engineering Department at A.Y. Dadabhai Technical Institute, Kosamba.

In today's dynamic technological world, education is not limited to classrooms or textbooks; it is about exploring ideas, experimenting, and applying knowledge to real-life situations. Our department is dedicated to building such an environment where students develop critical thinking, practical skills, and the confidence to face future challenges.

I sincerely thank the editorial team, students, and faculty members who have contributed to bringing out this publication. I encourage all students to keep learning, stay motivated, and turn every opportunity into a step towards growth and innovation.

Warm regards, Mr. Abdullah M Hans

Vision:

To develop the department into an advanced Centre of learning to train its students to become computer engineers for contributing towards ever changing needs of the digital world in an effective manner.

Mission:

- Provide knowledge and skills in accordance with ever changing trends in the market through effective pedagogies and hands on experience on latest tools and technologies.
- Encourage engineers for innovation and entrepreneurship through lifelong learning capabilities to fulfill transitional global needs of modern society and industry.
- Enforce crystalline policies and effectively manage multidisciplinary activities for the benefits of all stake holders.

Programme Educational Objectives

PEO-1: Preparation:

• To educate diploma graduates having strong basic fundamentals, field knowledge and technical skills which is necessary for employment or higher education

PEO-2: Professionalism:

• To prepare undergraduates having understanding and appreciation of strong professional ethics and values, social responsibility, effective communication and leadership skills to become productive engineers both as individuals and in team environment.

PEO-3: Lifelong Learning:

• To prepare committed diploma graduates capable of adopting new technologies and elevate their skills through professional practice, further education and training towards lifelong learning.

<u>Department Stat(s):</u>

1. Year of Establishment: 2009

2. Intake: 2009 to 2021: 60 Seat(s) || 2022 to till date: 120 Seat(s)

3. Infrastructure Detail(s):

Classrooms: 06

Laboratories: 09

Computer Center

Computer Center (New)

■ Computer Lab – 1

■ Computer Lab - 2

■ Computer Lab – 3

■ IOT Lab

Basic Electronics Lab

4. Faculties:

Teaching: 10 || Non-Teaching: 03

2023 - 24 Edition

Industrial Visit(s)

Sr. No:	Date	Batch	Industry Name	Subject for which visit organized	Sem	No.of participants
1	Apr 11, 2024	2023	MALIBA CAMPUS	AI and IOS lab	6th	44
2	Apr 15, 2024	2022	BISAG-N	Satellite Communication	6th	42







2023 - 24 Edition

Expert Lecture(s)

Sr. No:	Date	Topic	Expert name	Expert Details	Sem	No.of participants
1	May 4, 2024	ADVANCED HTML AND CSS	Mr. Himanshu Prajapati	Founder - Techomax Solution	2nd	97
2	Feb 17, 2024	CAREER IN IT	Mr. Raj Yadav	Developer - TOPS Technologies	2nd	102
3	May 4, 2024	BOOTSTRAP FOR WEB DESIGNING	Mr. Himanshu Prajapati	Founder - Techomax Solution	4th	89
4	Mar 15, 2024	NODE JS	Mr. Himanshu Prajapati	Founder - Techomax Solution	4th	84
5	Mar 15, 2024	MERN STACK DEVELPOMENT	Mr. Himanshu Prajapati	Founder - Techomax Solution	6th	43
6	Feb 10, 2024	ADVANCEMENTS IN ARTIFICIAL INTELLIGENCE	Mr. Raj Yadav	Developer - TOPS Technologies	6th	41
7	Oct 21, 2023	DIGITAL MARKETING	Mr. Shehzad Bodila	Digital Marketing Expert	1st	97
8	Sep 15, 2023	PYTHON PROGRAMMING	Mr. Raj Yadav	Developer - TOPS Technologies	1st	89
9	Jul 10, 2023	WEB DEVELPOMENT USING WORDPRESS	Mr. Raj Yadav	Developer - TOPS Technologies	3rd	117
10	Sep 15, 2023	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	Mr. Raj Yadav	Developer - TOPS Technologies	3rd	119
11	Nov 4, 2023	ANDROID APP DEVELOPMENT	Mr. Himanshu Prajapati	Founder - Techomax Solution	5th	42
12	Oct 30, 2023	PYTHON WITH DJANGO FRAMEWORK	Shaikh Hussain	Sr. Developer - TWFL	5th	43

2023 - 24 Edition

Expert Lecture (Photo Galery)



















2023 - 24 Edition

Student's Activities

- During the academic year 2023–2024, students of A.Y. Dadabhai Technical Institute, Kosamba actively took part in a diverse array of co-curricular and extracurricular activities that supported their holistic development.
- To strengthen practical skills and problem-solving abilities, the institute organized several technical events, including expert talks, hands-on workshops, coding contests, and project exhibitions.
- In addition, industrial visits were arranged to help students connect classroom learning with real-world industry practices. Beyond academics, students showed great enthusiasm by participating in cultural programs, sports tournaments, celebrations of national festivals, and awareness initiatives on topics such as environmental sustainability and digital literacy.
 - 1. Teacher's Day
 - 2. Engineer Day
 - 3. Tree Plantation
 - 4. Virtual Lab
 - **5.Blood Donation Camp**
 - 6. Thalassemia Awareness & Testing Camp
 - 7. Independence Day (Azadi Ka Amrit Mohotsav)



Teacher's Day Celebration

- A.Y. Dadabhai Technical Institute, Kosamba, joyfully celebrated Teacher's Day on 5th September 2023 with heartfelt enthusiasm and respect.
- The program began by paying tribute to Dr. Sarvepalli Radhakrishnan, which set a thoughtful and respectful tone for the day. Students expressed their gratitude and admiration through lively cultural performances and touching speeches.
- Teachers were honored with tokens of appreciation and words of thanks, highlighting their invaluable contribution. The Principal and faculty members shared inspiring messages, underlining the essential role teachers play in shaping young minds and building the nation's future.
- The event beautifully captured the bond between teachers and students, making it a memorable and meaningful celebration for everyone present.





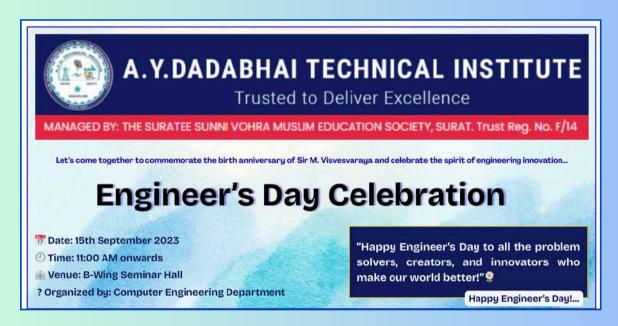




2023 - 24 Edition

Engineer's Day Celebration

- A.Y. Dadabhai Technical Institute, Kosamba, celebrated Engineers' Day on 15th September 2023 in honor of the birth anniversary of Sir M. Visvesvaraya.
- The event included interactive activities such as students conducting classroom lectures, providing them with valuable teaching experience and practical exposure. The aim was to nurture innovation, creativity, and technical thinking among aspiring engineers.
- Faculty members and invited guests delivered insightful talks highlighting the vital role of engineering in modern society and its impact on everyday life.
- The celebration concluded with a prize distribution ceremony and a heartfelt note of thanks, making it a memorable and inspiring occasion for all participants.









CodeVista

2023 - 24 Edition

Tree Plantation

- In an effort to promote environmental sustainability and awareness, A.Y.
 Dadabhai Technical Institute, Kosamba, organized a Tree Plantation Drive on 5th
 June 2024. Guess members, students, and staff actively participated in planting a
 variety of trees within the campus premises.
- This initiative aimed to enhance green cover, reduce carbon footprints, and instill
 a sense of responsibility towards nature among students. The event was a great
 success, with enthusiastic participation and collective efforts to create a
 greener and healthier environment.
- The institute remains committed to such eco-friendly initiatives, reinforcing its dedication to environmental conservation and sustainability











CodeVista

2023 - 24 Edition

Virtual Lab

- A.Y. Dadabhai Technical Institute, Kosamba successfully introduced and conducted sessions on the use of Virtual Labs for its students as part of its commitment to modern and technology-driven education.
- The Virtual Lab platform provides students with an opportunity to perform and experience laboratory experiments in a simulated digital environment, overcoming limitations of physical resources and allowing repeated practice for better understanding.
- Faculty members guided students through the process, demonstrating various experiments relevant to their curriculum.
- The initiative has been well-received by students, who appreciated the interactive and flexible learning experience offered by the Virtual Labs.
- This approach not only enhances conceptual clarity but also fosters self-paced learning and innovation.
- The institute plans to continue integrating such digital tools to enrich technical education and equip students with skills aligned with industry standards.









CodeVista

2023 - 24 Edition

Blood Donation Camp

- A.Y. Dadabhai Technical Institute, Kosamba successfully organized a Blood Donation Camp on 14th February 2024 within the campus premises.
- The camp aimed to raise awareness about the importance of blood donation and to encourage students, staff, and local community members to contribute to this life-saving cause. With active support from faculty members and volunteers, the event was conducted smoothly and attracted enthusiastic participation.
- During the camp, 49 units of blood were collected, which will help save many lives in need. The initiative not only highlighted the institute's commitment to social responsibility but also inspired students to actively participate in community service. The management expressed gratitude to all donors and volunteers for their valuable contribution, making the camp a meaningful and successful event.









CodeVista

2023 - 24 Edition

Thalassemia Awareness & Testing Camp

- Thalassemia is an incurable disease. Only awareness may help us to protect our selves form this curse of the society. There fore the National service scheme unit of A.Y. Dadabhai Technical Institute organized a Thalassemia Awareness Testing Camp in association with the Indian Red Cross Society, Gujarat, on 14th February, 2024.
- In this camp, around 552 students get Thalassemia Test.
- The initiative received positive feedback for promoting health consciousness among the youth. The institute extends its sincere thanks to the medical team, volunteers, and all participants who contributed to the success of this meaningful and socially impactful program.











CodeVista

2023 - 24 Edition

Independence Day (Azadi Ka Amrit Mohotsav)

- A.Y. Dadabhai Technical Institute, Kosamba proudly celebrated the 77th Independence Day on 15th August 2023 with patriotic fervor and enthusiasm.
- The program began with the ceremonial flag hoisting by the respected Principal, accompanied by the national anthem that resonated in the hearts of everyone present. Students showcased their talent and patriotism through cultural performances, including songs, speeches, and skits reflecting the spirit of freedom and unity.
- Faculty members addressed the gathering with inspiring messages about the sacrifices of our freedom fighters and the importance of upholding the values of democracy, responsibility, and nation-building.







2023 - 24 Edition

Faculty Corner

We are delighted to highlight the academic and professional accomplishments of our dedicated faculty members for the academic year 2023–2024. The table below reflects their active participation and engagement in various scholarly and professional activities.

activi	activities.					
SR. NO:	Staff Name	Organised By Institute / Organization	Topic Name	Days	Mode	FDP date
1	Mr. Abdulla M. Hans	A.Y.Dadabhai technical institute	ICT Tools for Effective Teaching and Learning in Technical Education	2	online	28/06/24 to 29/06/24.
2	Mr. Nikunj C. Tailor	A.Y.Dadabhai technical institute	ICT Tools for Effective Teaching and Learning in Technical Education	2	online	28/06/24 to 29/06/24.
3	Ms. Agham Nasim I	A.Y.Dadabhai technical institute	ICT Tools for Effective Teaching and Learning in Technical Education	2	online	28/06/24 to 29/06/24.
4	Ms. Agham Nasim I	A.Y.Dadabhai technical institute	Role of Big Data and Cloud in Era of Transformation	6	online	29/01/24 to 03/02/24.
5	Ms. Agham Nasim I	Saksham	Ai evolution from foundation to Generative Al	5	online	11/12/23 to 15/12/23.
6	Mr. Mohsin Y Jamadar	A.Y.Dadabhai technical institute	ICT Tools for Effective Teaching and Learning in Technical Education	2	online	28/06/24 to 29/06/24.
7	Mr. Mohsin Y Jamadar	Matoshri Institute of Trchnology	Amazon Web Services	3	online	08/01/24 to 10/01/24.
8	Ms. Dipali K. Chauhan	Techsaksham	Ai evolution from foundation to Generative Al	5	online	11/12/23 to 15/12/23.



A.Y.DADABHAI TECHNICAL INSTITUTE

Trusted to Deliver Excellence

MANAGED BY: THE SURATEE SUNNI VOHRA MUSLIM EDUCATION SOCIETY, SURAT. Trust Reg. No. F/14

CodeVista

2023 - 24 Edition

SR. NO:	Staff Name	Organised By Institute / Organization	Topic Name	Days	Mode	FDP date
9	Ms. Dipali K. Chauhan	A.Y.Dadabhai technical institute	ICT Tools for Effective Teaching and Learning in Technical Education	2	online	28/06/24 to 29/06/24.
10	Mr. Mohsin S. Gangat	A.Y.Dadabhai technical institute	ICT Tools for Effective Teaching and Learning in Technical Education	2	online	28/06/24 to 29/06/24.
11	Mr. Mohsin S. Gangat	Techsaksham	Applied Cloud Computing for Full Stack Web Development	5	online	5/02/24 to 9/02/24
12	Mr. Mohsin S. Gangat	SKN Singhad Instiute of Tehnology and Science	Recent Advances and Future Al Tools, Compouter Vision and NLP	5	online	26/02/2024 to 1/03/2024
13	Mr. Mohsin S. Gangat	Global Insitute of Science and Technology	Recent Advances and Future Al and NLP	5	online	15/04/2024 to 19/04/2024
14	Ms. Dipali A. Chauhan	Techsaksham	Ai evolution from foundation to Generative Al	5	online	11/12/23 to 15/12/23.
15	Ms. Dipali A. Chauhan	A.Y.Dadabhai technical institute	ICT Tools for Effective Teaching and Learning in Technical Education	2	online	28/06/24 to 29/06/24.
16	Mrs. Dharmishtha T. Parmar	Techsaksham	Ai evolution from foundation to Generative Al	5	online	11/12/23 to 15/12/23.
17	Mrs. Dharmishtha T. Parmar	A.Y.Dadabhai technical institute	ICT Tools for Effective Teaching and Learning in Technical Education	2	online	28/06/24 to 29/06/24.
18	Mr. Sohel I. Patel	SHRISANTGADGEBAB ACOLLEGEOFENGINE ERING ANDTECHNOLOGY,BH USAWAL,MH	Cloud Infrastructure	5	online	21/08/23 to 25/08/23.



2023 - 24 Edition

MANAGED BY: THE SURATEE SUNNI VOHRA MUSLIM EDUCATION SOCIETY, SURAT, Trust Reg. No. F/14

SR. NO:	Staff Name	Organised By Institute / Organization	Topic Name	Days	Mode	FDP date
19	Mr. Sohel I. Patel	Matoshri Institute of Trchnology	Amazon Web Services	3	online	08/01/24 to 10/01/24.
20	Mr. Pratik M. Gohil	A.Y.Dadabhai technical institute	ICT Tools for Effective Teaching and Learning in Technical Education	2	online	28/06/24 to 29/06/24.
21	Mr. Pratik M. Gohil	Institute of Public Enterprise	Al for Educators	5	online	20/05/24 to 25/05/24.
22	Mr. Mohmed Ibrahim Pandor	Techsaksham	Applied Cloud Computing for Full Stack Web Development	5	online	08/01/24 to 12/01/24.
23	Mr. Mohmed Ibrahim Pandor	Matoshri Institute of Trchnology	Amazon Web Services	3	online	08/01/24 to 10/01/24.
24	Ms. Anjali V. Patel	A Y Dadabhai Technical Institute, Kosamba	ICT Tools for Effective Teaching and Learning in Technical Education	2	online	28/06/2024 to 29/06/2024
25	Ms. Nilofarbanu F. Mirza	National Institute of Technical Teachers Training and Research, Chandigarh	Digital Tools for Teaching and Learning	5	online	11/03/24 to 15/03/24.

2023 - 24 Edition

FDP - Faculty Development Program Certificates





RANBHUMI-2023 "Sports Event"

- The sport committee is formed with the intention to develop the sports culture amongst the students. Sports team works under the guidance of Director Sir.
- It ensures that sports culture is developed amongst the students without hampering a daily academic routine of the students.
- On the Occasion of India Hosting G-20 for the Year 2023, A. Y. Dadabhai Technical Institute, Kosamba organizes many events.
- One of the most necessary Sports Event for overall development of Students A.
 Y. Dadabhai Technical Institute, Kosamba has organized the "RANBHUIMI-2023" sports event under the theme of G- 20 Summit and Managed by the students on 17th to 21th March 2023.
- It included 3 Outdoor Games with 279 boys and 40 girls' cumulative numbers of participants.

Department	Total	Participant	% of Participant
	Students	Students	Students
Computer	280	101	36.07%







PRAKALP - 2024

"PRAKALP-2024" Project Competition

• Date: April 20,2024

Venue: B Wing- Departmental Gallery

• Time: 09:00AM to 12:30PM

• Exhibited Projects:

- The exhibition featured a wide range of projects across various engineering disciplines.
- Projects like:
 - "AI IN HEALTH CARE"
 - AI ENABLE IOT," and
 - "AMAZON WEB SERVICE" etc were showcased, highlighting developments in Php, Android and .Net framework.

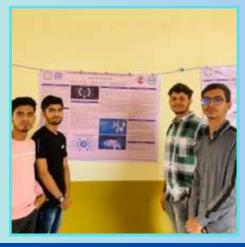
• Jury Members:

Jury Member	Position	College / Organisation
MR.RITESH MISTRY	PROJECT MANAGER	BLUE HALL (OPC PVT.LTD.)

Awards and Recognition:

Project Rank / Winners	Group ID	Project Title
1	10	AI IN HEALTH CARE
2	06	AI ENABLE IOT
3	03	AMAZON WEB SERVICE







GED BY: THE SURATEE SUNNI VOHRA MUSLIM EDUCATION SOCIETY, SURAT. Trust Reg. No. F/14

2023 - 24 Edition

Exam Result(s)

- The academic year 2023–2024 witnessed outstanding academic performance by our students in the GTU Summer 2024 Examinations.
- The students showed exceptional dedication and improvement, reflecting the department's commitment to quality education.
- In Summer-24 examination, Computer Engineering Department stands at 3rd position in GTU (All Branches).

Winter - 23

Semester	Total Students	Pass	Fail	Percentage
1st	134	29	105	21.64
3rd	119	51	68	42.66
5th	49	41	8	83.67

Summer - 24

Semester	Total Students	Pass	Fail	Percentage
2nd	113	40	43	35.4
4th	102	53	49	51.96
6th	47	46	1	97.87

"Every mark tells a story; analysis helps us read it, learn from it, and write the next chapter better."

— Head of Department

Our Achievers





• In Summer-24 examination, Computer Engineering Department stands at 3rd position in GTU (All Branches).



Placement

Recruitment Drive (Academic Year 2023-24)

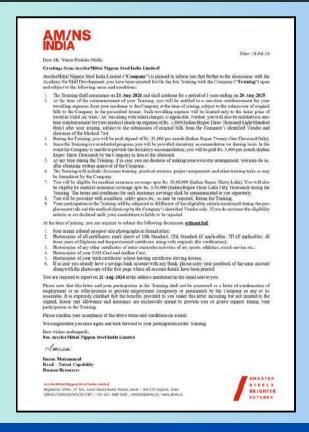
Institute: A.Y. Dadabhai Technical Institute, Kosamba

■ In Association With: AM/NS, Surat

Duration: 28.02.2024

- The recruitment drive aimed to provide final-year diploma students with an opportunity to start their professional careers in a leading organization renowned for its innovation and excellence in the steel industry.
- We are proud to share that Mr. Mulla Mo. Yunus, a student of the Computer Engineering Department, has been selected by AM/NS during this drive. His dedication, technical skills, and consistent academic performance were recognized and appreciated by the recruiters.
- The institute congratulates Mr. Yunus on this remarkable achievement and wishes him a successful career ahead. Such achievements reflect our ongoing commitment to bridge the gap between academics and industry and to empower our students for a brighter future.

216010307025 Mulla Yunus Ibrahim AM/NS Hazira surat 2.50LPA



A.Y.DADABHAI TECHNICAL INSTITUTE Trusted to Deliver Excellence

AGED BY: THE SURATEE SUNNI VOHRA MUSLIM EDUCATION SOCIETY, SURAT. Trust Reg. No. F/14

CodeVista

2023 - 24 Edition

Testimonial(s)

- The Computer Engineering Department of A.Y. Dadabhai Technical Institute warmly extends its best wishes to all our alumni, especially the graduating batch of Summer 2023. Your accomplishments in academics, careers, and higher studies make us immensely proud and truly embody the spirit of excellence cultivated at our institute. As you advance in your professional and personal journeys, we hope you continue to uphold the values and skills developed here. Remember, you will always be an integral part of the AYDTI family—stay connected and keep inspiring.
- We also express our heartfelt gratitude to our esteemed alumni for sharing their insightful testimonials and experiences. Your words not only highlight the meaningful impact of your time at A.Y. Dadabhai Technical Institute but also serve as a source of motivation for our current and future students. Your ongoing engagement with the department helps strengthen our community, and we are delighted to witness your continued success. Wishing you all the best in every endeavor ahead!

Mr. Mulla Mo. Yunus

"Studying in the Computer Engineering Department taught me not just technical things, but also how to work in a team and solve problems. This has really helped me in my job."

Mr. Jha Mandeep

"My time at A.Y. Dadabhai Technical Institute was a great experience. The teachers were very supportive and helped me learn practical skills that are useful in my career today."

Ms. Pathan Sana Parvin Javid

"I really enjoyed my years at AYDTI. The projects, internships, and encouragement from teachers prepared me well for my professional life."

Ms. Avasthi shalini ravibhan

"AYDTI gave me a strong base in computer engineering and the confidence to start my career. I'm grateful for all the support from my teachers."