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Student Catalog

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Ohio Registration Number: 2240

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HISTORY

TECH I.S. provides high-quality, cutting-edge technical training programs for students, and professionals from any conceivable background seeking to make a career shift into the IT sector, with programming skills that are highly in-demand and what employers are looking for.

TECH I.S. enables its students with great coding proficiency to focus on the most important aspects of coding and immediately apply their new coding skills to solve real-world problems within just 6 months, providing a great alternative to longer, more expensive programs.

With the TECH I.S. Method, students are able to independently build applications on an industrial level, with the guidance and coaching from our qualified tutors who provide students with the foundation they need to build production-ready applications and demonstrate skills and add real value to a potential employer.

TECH I.S. graduates will have the opportunity to apply the knowledge and skills gained from their program at an IT organization or an organization where IT skills are required, with support from the Tech I.S. career placement team.

GOVERNING BODY AND LICENSURE

TECH I.S. Inc. has a governing body responsible for oversight of its operations. This governing body is led by **Chief Executive Officer, Futoshi Ito**.

TECH I.S. is approved to operate by the **Ohio State Board of Career Colleges and Schools (OSBCCS)** in the State of Ohio. Its OSBCCS registration number is 2240.

OPERATING HOURS

TECH I.S. administrative office hours vary. Updates are made available through the school website. The current school hours are listed below.

Monday: 9am – 3pm
Tuesday: 9am – 3pm
Wednesday: 9am – 3pm
Thursday: 9am – 3pm
Friday: 9am – 3pm

TECH I.S. Academic Support is available 24 hours per day, Monday through Sunday.

The following holidays are observed by TECH I.S. While the school is closed on these days, students can still access their programs online.

- New Year's Day
- Martin Luther King Jr. Day
- Memorial Day
- Independence Day
- Labor Day
- Thanksgiving Day
- Christmas Day

START DATES AND CLASS SCHEDULE

TECH I.S. offers open enrollment programs in a 100% online format. Each program is considered to be one (1) term of 26 weeks (6 months). Based on their start date, students are provided a schedule and an expected graduation date, allowing them to complete all of the required coursework for their program of enrollment within the term.

ADMINISTRATION AND FACULTY LEADERSHIP

Campus Director	Jennifer Lamkin
Program Director	Hayato Kato, Bachelors in Computer Science
Campus Administrators	Shiva Ganesh Nerella
	Rajeshwari V
Faculty/Cohort Administrator	Sajid Khurshid Bhat, Bachelors in Computer Science
Faculty/Cohort Administrator	Mohd Taufeeq Khan, Bachelors in Computer Science

ADMISSIONS REQUIREMENTS AND PROCEDURES

Applicants for admission to TECH I.S. must meet the following requirements, which differ based on program.

Web Development

- Must have a High School Diploma, a General Education Development (GED) certificate or the equivalent, or have obtained a home school credential:
    - Proof of documentation may include an unofficial transcript that shows the date of high school graduation or a copy of a standard high school diploma, GED, or equivalent.
    - All foreign transcripts must be translated and evaluated for a U.S. High school diploma equivalency by an approved agency, and any costs incurred in connection thereof should be incurred by the applicant
    - Home-schooled applicants must provide a transcript. All home school study credentials will be evaluated by the Program Director before final acceptance to the TECH I.S.
- Must be 18 years of age, at a minimum;
- Must be a US citizen;

- Cannot have a criminal record that would prohibit the student from in-industry employment;
- Must successfully pass the TECH I.S. Logical Assessment.

Accepted applicants must also make financial arrangements and sign an Enrollment Agreement before starting classes.

Data Science

- Must have a Bachelor's Degree from an accredited institution, with a Major/Minor in Mathematics, Statistics, or a similar/related concentration of study.
    - Proof of documentation may include an official or unofficial transcript from the issuing institution that clearly indicates the issuance of the degree and concentration of study.
    - All foreign transcripts must be translated and evaluated for a U.S. Bachelor's diploma equivalency by an approved agency, and any costs incurred in connection thereof should be incurred by the applicant.
    - All credentials must be verifiable and will be evaluated by the School before final acceptance to the TECH I.S.
- Must be 18 years of age, at a minimum;
- Must be a US citizen;
- Cannot have a criminal record that would prohibit the student from in-industry employment;
- Must successfully pass the TECH I.S. Logical Assessment.

In some circumstances, the requirement for a bachelor's degree with a concentration in STEM can be waived for applicants who do not have a bachelor's degree, or who have a bachelor's degree but do not have concentration in STEM. In order to have the requirement waived, the applicant must demonstrate the potential to be successful in the program and to work in the field post graduation.

Applicants in this category may submit an appeal explaining how they would be successful in and benefit from the Data Science program and providing supporting evidence. Evidence may include prior-work experience and/or specific education, certificates, or skills. Documents might include a resume with prior-work experience, a letter from a prior employer or client, an unofficial or official transcript showing prior relevant education, or sample projects/github portfolio. Appeals will be reviewed by TECH I. S. leadership, and applicants will be notified of the result.

Accepted applicants must also make financial arrangements and sign an Enrollment Agreement before starting classes.

All applicants are required to take the TECH I.S. Logical Assessment. The TECH I.S. Logical Assessment may be taken no more than three times. The prospective student must wait at least five [5] minutes before he or she can retake a TECH I.S. Logical Assessment. This test is a proctored assessment that is administered remotely. Applicants who fail the test in three (3) attempts must wait 6 months before they can retest. Re-entry students who are returning to finish their program are not required to retake the

admissions assessment if their original assessment scores are still on file and the scores meet the required programmatic assessment score in effect at the time of application.

ACCEPTANCE

Applicants who have met all applicable admissions requirements may complete their enrollment by signing an Enrollment Agreement and paying the registration fee. An enrollment becomes official only after the Enrollment Agreement has been reviewed, accepted, and signed by the Campus Administrator or other authorized school representative. The School will provide the student with a copy of the fully executed Enrollment Agreement. A student may register for classes at any time but may start class only on a specified starting date as listed in the Academic Calendar. Enrollments are accepted any time prior to the start of a new term as noted on the academic calendar.

Appealing an admissions decision must be completed within seven (7) calendar days of the initial admissions decision. If a prospective student feels that he or she has received a denial of admission in error, the prospective student may appeal the decision by submitting a written appeal. The Campus Administrator (and/or designated staff member) will review the material and notify the prospective student of their decision in writing.

GRADUATION REQUIREMENTS

- Students must complete and pass all assessments and assignments, including self-development projects, with a minimum grade of 70%
- Complete coursework within the published maximum timeframe (see Attendance policy)
- Comply with all program policies

CAREER PLACEMENT AND STUDENT SERVICES

TECH I.S. is dedicated to assisting students with learning the necessary skills to obtain employment after graduation by offering cover letter creation, resume development, portfolio and interviewing tips. TECH I.S. does not guarantee employment, but provides job assessment and assistance. TECH I.S. makes student services available to assist students while completing their training. During new student orientation, students will become acquainted with the range of services available to TECH I.S. students including academic advising, online material, and more. The Student Services Department is familiar with the issues facing students and is a source of assistance as students complete their programs. Students may reach out to Student Services for assistance.

POSSIBLE JOB TITLES

- Web Developer, Full Stack Developer
- Data Scientist, Data Analyst

ATTENDANCE

Students are required to meet attendance in two ways. One is by logging into and completing assigned hours and coursework within the deadline established for completion; the second is by checking in daily Monday-Friday with her/his Cohort Administrator. Attendance is required to successfully complete the program; therefore, students who are not attending are in danger of dismissal from the program. Any student who is absent 3 times from a course will receive an attendance notification via email or Slack to motivate and encourage the students to continue with their progress.

Students who meet the check-in criteria of the coursework but do not maintain progress in completing coursework may not be meeting Satisfactory Academic Progress criteria (see Academic Probation).

Students who miss 14 days in a row will be dismissed from his/her course.

Maximum Time Frame to complete the program: 9 months.

LEAVE OF ABSENCE

TECH I.S. recognizes that there may be circumstances where an unexpected and unavoidable life event may occur, forcing a student to require a brief pause in his or her education. In these situations, a student can apply for a Leave of Absence (LOA). It is important to note that a LOA will not be granted in order to replace a failing grade, or remove a student from Academic Probation. Time spent on LOA will not be counted towards rate of completion. Students are encouraged to speak to a Campus Administrator to discuss any questions regarding LOAs. Due to the nature of clock-hour programs, a leave of absence is usually only approved between modules of hours. The following information shall assist the student in determining whether a leave of absence status is correct for their situation:

- Requests for a leave of absence will be considered individually by the Campus Administrator.
    - A leave of absence ordinarily will be granted to students in good standing.
- If a student is on Academic Probation, he/she will not be considered to be in good standing.
- A request for a leave by a student who is not in good standing is subject to review by the Campus Administrator.
- At the time the student initiates the request for a leave, the Cohort Administrator and Instructor will ascertain the student's academic performance to that point in each Program underway. This information will be used to determine whether or not the student is in good standing and what conditions should be imposed on the leave.
- In the event conditions are imposed on the leave, or if the student is on Academic Probation at the time of the leave, the Cohort Administrator will review the student's record before he or she is permitted to return from the leave.
- Students may appeal to the Campus Administrator in writing to request a waiver of these policies or reconsideration of denials of leave of absence.
- Students may take a maximum of 30 days leave with approval.

SATISFACTORY ACADEMIC PROGRESS & ACADEMIC PROBATION

Students are required to meet two standards of satisfactory academic progress, qualitative and quantitative. Students must pass all exams with at least a 70% grade point average, as well as be on track to complete all 240 hours in no longer than 9 months (150% Maximum Timeframe). Academic probation is measured at the end of each term to ensure that students are progressing through the hours assigned to them.

A student is placed on academic probation when their cumulative rate of progress falls below 67%. The student will be restricted from attempting any additional hours until he/she meets with the Cohort Administrator for academic intervention. This restriction also applies to students on academic probation who have already registered for classes for the next term. During the meeting, an Academic Probation Form will be completed to designate what difficulties led the student to be placed on academic probation, to provide recommendations for improved rate of progress in the program, and to promote academic success at the school.

A student who has been placed on academic probation must have met the requirements of the Academic Probation plan by the next scheduled completion date of hours, and must continue to meet the terms of the Academic Probation plan. If it is determined a student cannot complete the program within the Maximum Time Frame of 9 months, or if the student fails to meet the terms of the Academic Probation plan, the student will be dismissed from the program at that time.

DISMISSAL

Because of the nature of the program (i.e., a bootcamp to teach specific technical skills), students must demonstrate proficiency by passing the test at the end of the hours associated with learning the skill (i.e., Python). Students will be allowed 3 attempts to pass the test. The student will be restricted from attempting or registering for any further hours until she/he meets with the Cohort Administrator for academic intervention after failing the exam. Academic intervention will be provided to students to assist them in the two subsequent attempts to pass the exam. If a student fails to pass the test at the end of any skill set, the student will not be permitted to continue in the program and will be dismissed. Should the student be readmitted in the future after academic dismissal, the student will be required to repeat the entire program, regardless of whether or not the student passed other skills prior to dismissal.

Students may also be dismissed from the program due to Code of Conduct violations, regardless of academic standing.

The student may petition for readmission according to school procedures.

READMISSION AFTER DISMISSAL

Petition for Academic Review: A student petitioning for readmission must submit a Petition for Academic Readmission, prior to the term for which the student seeks readmission. At least two School reviewers will determine conditions under which the student may return. One reviewer must be a Faculty member; the second must be the Program Chair. If a student is readmitted to the School, the student then is able to schedule classes and pay fees. The student must make satisfactory progress and meet the conditions as specified on the petition for academic readmission.

Readmission Deadline for Academic Dismissal and Academic Review: The readmission deadline for Academic Dismissal and Academic Review falls approximately thirty days prior to the start of the term for which readmission is sought.

GRADING

At the end of each term, and upon the completion of course requirements, the instructor reports a letter grade indicating the quality of a student's work based on a percentage as assigned according to the following system:

GRADE DEFINITIONS	GRADE NOTATION	GRADE PERCENTAGE	CREDIT AWARDED
High Achievement	A	90% – 100%	Yes
Good Achievement	B	80% - 89%	Yes
Average Achievement	C	70% - 79%	Yes
Failing	F	0% - 69%	No
Incomplete	I	0	No

Incomplete (I): When circumstances beyond the control of a student or a faculty member prevent the completion of course requirements during the course, an "I" (Incomplete) may be recorded until the final grade is established. An Incomplete is indicated only when the student has arranged for that grade with the faculty member and specific arrangements have been made for fulfilling the course requirements. Coursework must be completed within 2 weeks after the beginning of the next term. If a new grade is not submitted by the faculty member by that time, a grade of "F" is automatically recorded.

CREDIT TRANSFER

Due to the nature of the curriculum, TECH I.S. does not accept transfer credits and does not allow for credit by examination. The transfer acceptance of TECH I.S. coursework is up to the receiving institution.

STUDENT CONDUCT

The Code of Conduct applies not only to face-to-face events, but also online events, digital interactions (texting, messaging, email, digital meetings) and any other activity where you are representing TECH I.S.

Students must always:

- Treat everyone with respect and dignity
- Listen to others' views
- Act as a positive role model
- Respect each other's right to privacy – for example, do not share photos and people's names on social media without their permission.
- Help create an environment that encourages everyone to feel comfortable and confident.
- Be aware that others may misunderstand your behavior and actions, even if you did not mean it that way. So, act quickly to correct this if it happens.
- Be tolerant, you may be misunderstanding someone's behavior because they have a particular lived experience.
- Report any behavior which makes you feel uncomfortable or unsafe.
- Always be on time.

TECH I.S. expects students to:

- Be prepared and ready to learn for each class.
- Respect others and embrace diversity.
- Participate and stay alert in class.
- Be respectful of the instructors and school staff.
- Study and complete assignments on time.
- Attend every class session and be ready to start on time.
- Follow directions, policies and procedures during classroom and class time.
- Conduct themselves with appropriate behavior.
- Maintain a harassment-free, violence-free, and substance abuse-free classroom environment.

ANTI-HAZING POLICY

TECH I. S. prohibits hazing as defined in this policy. The school will investigate and respond to all reports of hazing as outlined in this policy.

This regulation applies to all members of the school community, including faculty, staff, students, volunteers, organizations, and groups, as well as visitors and other licensees and invitees.

This Anti-Hazing Policy applies to conduct that occurs on the online learning platform, either in class or in an out of class school activity, on-campus (administrative office), off-campus (ex: meet-up), or through

online activities, between two or more people who are affiliated with the school, or any student or other organization associated with the school.

Hazing is a serious offense of the TECH I. S. Code of Conduct policy and, therefore, is subject to the full range of sanctions (reprimand, disciplinary probation, suspension, and expulsion). In addition, other educational activities may be required as conditions of the sanction. An individual, organization, or group may be subject to other outcomes in accordance with the applicable outside constituents or groups in which the student is involved, or their governing bodies. The school has the right to take action regardless of the actions of the governing body.

The Campus Administrators shall coordinate the investigation of all hazing allegations. When appropriate, other senior administrators may handle certain aspects of the school's response. Local authorities may also be included in the investigation, as needed.

Additionally, the Campus Administrators will assess the need for interim measures (e.g. suspension of current group activities). Every effort will be taken to complete the investigation in a timely manner. The hazing allegation will be investigated and resolved in keeping with the Student Code of Conduct process. At the point when a formal conduct charge is made against an organization, the national or oversight organization, if any, shall be notified. Criminal investigations resulting from a report to law enforcement will be handled by the appropriate law enforcement agency. TECH I. S. may charge an individual or a group with a violation of this Hazing Policy via the Student Code of Conduct and/or other school rules, regulations, or policies.

Sanctions applied to organizations and/or individuals will be imposed in accordance with the severity of the violation and will be determined by the Campus Administrators.

Hazing means doing any of the following, or pressuring, causing, forcing, soliciting, or coercing any person to do any of the following for the purpose of initiative, admitting, or affiliating an individual into or with a student group or student organization; continuing or enhancing an individual's membership or status in a student group or student organization, or perpetuating or furthering a tradition or ritual of a student group or student organization:

(a) Engage in any conduct prohibited by federal and/or state and/or municipal criminal law, regardless of whether an arrest is made, or criminal charges are brought;

(b) Take into their body any food, liquid (including alcohol), drug, or other substance that subjects the person to a substantial risk of mental or physical harm; and/or;

(c) Cause or create a substantial risk of causing mental or physical harm to another and/or engage in any act or omission that contributes to the death of another.

Reporting an Incident: Student safety is our top priority, and we take all reports of misconduct seriously to protect everyone's health and well-being. TECH I. S. depends on its community members to identify and report behaviors of concern so that the school can provide distressed students and employees with appropriate support services and resources.

We are all responsible for school safety. If you witness or become aware of any concerning behavior or suspicious behavior, report it to the Campus Director, a Campus Administrator, a Cohort Administrator, or any TECH I. S. Staff member.

DISCIPLINARY PROCEDURES

Students are held accountable throughout the program for fulfilling program requirements and abiding by TECH I.S. policies. The student, upon enrollment to their program, recognizes and accepts this responsibility. TECH I.S. administration has the right to discipline any student whose behavior violates the student code of conduct. Students with infractions are subject to the following disciplinary actions of which the student will receive written notification.

Depending upon the severity of the violation, school administration may:

1. Issue a verbal warning to the student.
2. Issue a written warning to the student. The warning will be placed in the student record and be referenced should any further violations occur.
3. Place the student on Academic Probation after agreeing upon the terms and conditions in a student/instructor/Campus Administrator contract.
4. Immediately dismiss the student from the school. Students who are dismissed due to a violation of the Code of Conduct are prohibited from being on TECH I.S. property.

SAFETY AND EMERGENCY PROCEDURES

TECH I.S. places the safety and security of its students, faculty members, and staff as a top priority. If a problem could cause immediate damage to the property or appears to be life-threatening, please Contact the Police or Call 911 immediately and report the incident to your immediate Instructor. In the event of an emergency, students are expected to fully cooperate with faculty members & staff.

GRIEVANCES

Most student complaints can be handled at the first point of contact with the school. Student complaints are addressed using the policies and provisions of the enrollment agreement, student catalog, and academic requirements of the school. Students who have a complaint should contact their instructor regarding academic issues or a Campus Administrator regarding servicing issues. The instructor or Campus Administrator will provide a verbal or written response depending on the student's preferred choice of communication. If the student believes that the complaint has not been properly handled at that point, the student should use the following procedure to register a grievance.

Steps in Grievance Procedure:

- The student should contact their instructor either by phone or in writing expressing his/ her concern.
- If the student feels that the issue is still unresolved after contacting the Instructor, he/she may contact the Campus Administrator to express the ongoing concerns. A Campus Administrator will respond in writing with a final decision within seven days.
- All grievance forms and final decision notifications will be filed in the office of the Campus Administrator of the student file.
- Whether or not the problem or complaint has been resolved to his/her satisfaction by the school, the student may direct any problem or complaint to the Executive Director, State Board of Career Colleges and Schools, 30 East Broad Street, Suite 2481, Columbus, Ohio, 43215, Phone 614-466-2752; toll-free 877-275-4219.

TUITION AND FEES AND OTHER FINANCIAL OBLIGATIONS

Web Development & Data Science Program
Tuition: $8,900
Materials: $0.00 (Included in Tuition)
Other Costs/Fees: $0.00
Total Program Cost: $8,900

All required curricular materials are provided to the student by TECH I.S. at no additional cost. Students must provide their own learning devices and internet access.

Payment: Tuition must be paid in full prior to beginning classes, or a payment contract must be established with a TECH I.S. approved third-party financing provider. TECH I.S. does not provide payment plans or financing directly to students.

For applicants who wish to obtain help in funding their education, TECH I.S. has established relationships with multiple student lending providers that offer a variety of private student loans and certain payment plan solutions.

TECH I.S. encourages applicants interested in obtaining financing options to compare the approved third-party financing offerings to determine the best possible fit for their needs. As options can have varying APR, repayment options, and terms of repayment, applicants should take care in selecting and applying for a financing option(s) that is in their best interest. <u>All options depend on applicants meeting the qualifications set by the third-party financing companies.</u>

In some cases, applicants may find that a loan offered by one of the student lending solutions may have a lower APR or cost less over time than paying for tuition in full with a credit card.

Applicants may also find that alternate solutions (such as a personal loan, savings, etc.) may better suit their financial situation. Applicants are encouraged to compare all options available to them. Please note that TECH I.S. does not and will not provide financial advising, assistance, or the selection of a lending option for applicants.

The tuition funds for applicants who are approved and enter into a contract with one of the approved third-party financing providers will be disbursed directly to TECH I.S. As long as the applicant has followed all steps required to enter into the contract for the option selected before starting school, they will be permitted to begin the program.
Students financing their education with an installment plan are required to make payments per the terms of their contract. Failure to make payments per the terms of the agreement may result in late payment fees and/or default.

TECH I.S. reviews student accounts to ensure payments are up to date. Any student who defaults while still active in a program will be locked out of their training program and their transcript withheld until their account is brought into good standing.

Applicants who opt to pay tuition in full directly to Tech I.S. may pay before beginning their program via one of the following methods:

- ✓ VISA, MasterCard, Discover, PayPal Express Payment
- ✓ Bank Wire Transfers

CANCELLATION POLICY

When a student notifies TECH I.S. of intent to withdraw, in writing, within the seven (7) calendar day trial period after signing the Enrollment Agreement, TECH I.S. will refund, in-full, any tuition and fees paid pursuant to the Enrollment Agreement. Such refund will be made no later than thirty (30) days after the notification is received. After the seven (7) calendar day trial period, the refund policy will apply.

Cancellations and withdrawals are preferred in writing through the following means:

- Attention: Campus Administrator
- Email: Shiva Ganesh Nerella shivaganesh@techis.io and/or Rajeshwari V rajeshwari@techis.io

In the case of a documented student illness or accident, death in the family, or other circumstances beyond the control of the student, the student shall be entitled to special considerations and TECH I.S. may settle the account for an amount that is less than that called for by the school's established policy. Any student who violates the Attendance Policy, Satisfactory Academic Progress Policy, or Code of Conduct may be dismissed from the program. The following refund policy, which is also in the Enrollment Agreement, shall apply.

REFUND POLICY

If the student is not accepted into the training program, all monies paid by the student shall be refunded. Refunds for books, supplies and consumable fees shall be made in accordance with Ohio Administrative Code section 3332-1-10.1. There is one (1) academic term in each of the programs, as they are 240 clock hours in length. Refunds for tuition and refundable fees shall be made in accordance with following provisions as established by Ohio Administrative Code section 3332-1-10:

(1) A student who withdraws before the first class and after the seven (7) calendar day trial period shall be obligated for the registration fee.

(2) A student who starts class and withdraws before the academic term is 15% completed will be obligated for 25% of the tuition and refundable fees plus the registration fee.

(3) A student who starts class and withdraws after the academic term is 15% but before the academic term is 25% completed will be obligated for 50% of the tuition and refundable fees plus the registration fee.

(4) A student who starts class and withdraws after the academic term is 25% complete but before the academic term is 40% completed will be obligated for 75% of the tuition and refundable fees plus the registration fee.

(5) A student who starts class and withdraws after the academic term is 40% completed will not be entitled to a refund of the tuition and fees.

The School shall make the appropriate refund within thirty (30) days of the date the School is able to determine that a student has withdrawn or has been terminated from a program. Refunds shall be based upon the last date of a student's attendance or participation in an academic school activity.

PROGRAM DESCRIPTIONS, OBJECTIVES & COURSE DESCRIPTIONS

Web Development

Hours: 240 Clock Hours
Length: 6 Months

The Web Development program provides an in-depth understanding and application of full stack development, namely, front-end and back-end development, with design skills and successful deployments of projects, applications, websites, etc., with emphasis on skills like React, Redux, Django, HTML, Python, Git, Heroku, CSS, JavaScript, Java, etc. Our Web Development program is designed to prepare students on all the subtleties of front-end and back-end development and be job-assured in just 6-months. It prepares them for a successful career as full-stack web developers by providing them with the technical knowledge of front-end and back-end programming. Participate in Coding Hackathons, delivered by our community initiative – TECH I.S.'s Job Support team to tackle complex business problems and make your resume stand out.

Upon successful completion of the program, our graduates will be able to:

- Develop web-based applications for the internet.
- Apply basic design principles to present ideas, information, products, and services on websites
- Apply basic programming principles to the construction of websites
- Effectively manage website projects using available resources
- Demonstrate communication skills, service management skills, and presentation skills
- Apply employability skills including fundamental skills, personal management skills, and time management, stress management, teamwork skills through group development projects. And also manage their work-life balance as a result of successful completion of the course, as most of our students are learning while they are working.

WEB DEVELOPMENT CURRICULUM

Month	Sections	Hours
1st Month	Step 1-1 Python	10
	Step 1-2 HTML + CSS + Git	15
	Step 1-3 Portfolio	15
2nd Month	Step 2-1 JavaScript	10
	Step 2-2 SQL + Security	10
	Step 2-3 Django	20
3rd Month	Step 3-1 Twitter Clone (Django)	15
	Step 3-2 React	15
	Step 3-3 Redux	10
4th Month	Step 4-1 Self Development	40
5th Month	Step 5-1 Group Development	40
6th Month	Step 6-1 Prep-Tech-Interview	20
	Step 6-2 Portfolio	10
	Step 6-3 Github & LinkedIn	10
Total		**240**

Python: is relatively easy to learn and versatile in its uses, it features English syntax and was designed to be concise and easy to read. According to Stackoverflow, it is one of the most used languages and top-paying technologies and can be used commonly for both Web Dev and Data Science.

HTML + CSS + Git: HTML is one part of the essential building blocks of websites worldwide. It is used to create the basic skeleton of a website. CSS improves user experience, and website engagement in the form of colors and aesthetics and has become an important part of branding. CSS is important to ensure that your website is unique from others. Essential for modern web development and styling. Finally, Git is a version control system, where we maintain our code by constantly updating and retain our old updates as well, making it a great library of reference. It allows you to streamline live updates in addition to providing a copy of your website files. For example, you can create your website on your local computer and use Git to push a copy of those files to your remote web server.

Portfolio: Our students work on many capstone projects to develop their skills and practice their learning. With the completion of each project, they update their portfolio which is the best platform to showcase their skills to companies and recruiters.

Javascript: It is a popular front-end and back-end language, dynamic and user-friendly, and interactive. Our students use it to make a website responsive. It acts as the nervous system to the website, through which everything is connected.

SQL + Security: SQL is an essential skill for today's web developers as web applications mostly require a database behind it that drives data to the website and collects data from users. It is a database language used to segregate data from the database. SQL is important as it saves the data in tabular formats as well.

Django: a high-level Python web framework, it enables the creation of complex websites, and secures and maintains the websites.

Twitter Clone (Django): Our students must complete the Twitter Clone project as a part of the learning curriculum. This project teaches our students to create a web-based application where users can upload their thoughts, photos, videos and also access others' newsfeed without having to create a login account. This anonymity is a special feature of this project. Students can also learn CRUD [Create, Read, Update and Delete] through this project.

React: This is a Javascript library, it is a single-page application where only the contents on the page change but not the overall page layout maintains its components. For example, Netflix and AirBnB. Used to create fast user interfaces for websites and applications because of its potential to reuse components, saving time for developers in rewriting various codes for the same features and making complex user interfaces simpler and more efficient.

Redux: is an open-source JavaScript library for managing and centralizing application state. It reduces complexity and provides global accessibility to build applications that work frequently; are easy to test and run in different environments (client, server, and native).

Self-Development: Students create one project based on a culmination of all their learnings.
As student developers, they learn to integrate and collaborate with all the skills and languages they have learned during the course. Data Structures - Every language has its own data structure, with only the syntax varying. Our students use data structures to solve complex problems, helping them perform well in their interviews and basically solving any technical problems with regard to the applied skill/language.

Group Development: One step above the self-development project, the student learns how to work in a team, they also how to collaborate, share feedback, review codes, and ideate. Naturally, they collaborate with other students and tutors giving them a taste of working in teams.

Prep-Tech-Interview: A mock interview helps our students learn how to answer difficult questions, develop interview strategies, improve their communication skills, and reduce their stress before an actual job interview. During a mock interview, the interviewer may use a semi-structured interview format rather than asking a formal list of questions.

Portfolio: A web development student's portfolio showcases their skills along with all the projects they have completed. It will help them stand out from the competition and prove that they have the skills necessary to do the job. A portfolio is a great way to highlight your projects and bring direct attention to your skills.

GitHub & LinkedIn: GitHub is a code hosting platform for version control and collaboration. It allows you and others to work together on projects from anywhere. Also, a great way for the students to check their progress and make updates that are necessary before presenting it to a recruiter. The LinkedIn portion of this step provides the opportunity to explain your role, skills, and experience in more detail. You should use this section to feature the highlights that would be included in your CV and are of interest to potential employers.

A continual job search is provided by our Job Support team to help our students scope out the competition, create their personal branding, and decide which skills to highlight with regard to a job they are interested in. Our team constantly helps the students match their skills to various job roles to get started with their dream careers in the IT sector.

Data Science

Hours: 240 Clock Hours
Length: 6 Months

The Data Science program will ensure students are equipped with complete and robust excellence in

data analytics and programming knowledge. We have a balanced and tested method of teaching coding to anyone, irrespective of their background, with a mix of live, instructor-led sessions and self-paced modules and work on real-time projects preparing them to land winning opportunities with the world's top companies. Industry experts from Silicon Valley, Japan, and India have designed our winning curriculum to help students build a thriving career with real-world skills and knowledge of Python, MySQL, NumPy, Keras, Pandas, Matplotlib, Seaborn, Scikit-learn, NLTK, TensorFlow, etc., TECH I.S. students get a complete data science foundation through online live interactive courses while the teaching assistants will lead hands-on projects and practice sessions to get them job-ready within 6 months.

Upon successful completion of the program, our graduates will be able to:

- Develop a deep understanding of the key technologies in data science and data analytics: data mining, machine learning, visualization techniques, predictive modeling, statistics, and mathematics.
- Gain practical, hands-on experience with the data science skills they have accumulated through coursework and applied project-based experiences.
- Apply quantitative modeling and data analysis techniques to the solution of real-world business problems, communicate findings, and effectively present results using data visualization techniques.
- Apply skills to everyday business activities and make well-reasoned ethical business and data management decisions.
- Demonstrate knowledge of statistical data analysis techniques utilized in business decision-making.
- Apply principles of Data Science to the analysis of business problems.
- Use data mining software to solve real-world problems.
- Apply algorithms to build machine intelligence through Machine Learning and Deep Learning.

DATA SCIENCE CURRICULUM

Month	Sections	Hours
1st Month	Step 1-1 Python	10
	Step 1-2 Git and Github	5
	Step 1-3 Math	10
	Step 1-4 Statistics	15
2nd Month	Step 2-1 Data Processing	15
	Step 2-2 EDA and Visualization	15
	Step 2-3 Excel	10
3rd Month	Step 3-1 SQL	13
	Step 3-2 Tableau	17

	Step 3-3 Apache Spark	10
4th Month	Step 4-1 Supervised ML - Linear Regression	13
	Step 4-2 Supervised ML - DT and Ensemble	13
	Step 4-3 Supervised ML - Classification algos	14
5th Month	Step 5-1 Supervised ML - Model Optimization	10
	Step 5-2 Unsupervised ML - Clustering	10
	Step 5-3 Unsupervised ML - PCA	10
	Step 5-4 Unsupervised ML - DB Scan	10
6th Month	Step 6-1 TensorFlow	10
	Step 6-2 NLP	10
	Step 6-3 Artificial Neural Network	10
	Step 6-4 Deep Neural Networks	10
Total		**240**

Python: Python is one of the most popular programming languages among data scientists because of the huge libraries available in Python for different purposes such as visualization of statistical analysis. Python provides great functionality to deal with mathematics, statistics, and scientific function.

Git & GitHub: is a version control system, where we maintain our code by constantly updating and retain our old updates as well, making it a great library of reference. It allows you to streamline live updates in addition to providing a copy of your website files. For example, you can create your website on your local computer and use Git to push a copy of those files to your remote web server. GitHub is a code hosting platform for version control and collaboration. It allows you and others to work together on projects from anywhere. Also, a great way for the students to check their progress and make updates that are necessary before presenting it to a recruiter.

Math: Different machine learning algorithms use different mathematical techniques, therefore it is paramount for our students to understand mathematical topics such as linear algebra, matrices, calculus, etc.

Statistics: Data science is majorly about predicting future outcomes, and statistical tools such as probability, hypothesis, confidence interval, etc., help our data science students to gather, review, analyze, and draw conclusions from data, as well as apply quantified mathematical models to appropriate variables.

Data Processing: It is important for our students to understand datasets, they can master this by learning

to understand and manipulate the datasets, by learning Data Processing. Our students use very popular Python libraries such as Pandas, NumPy, Matplotlib, etc.,

EDA and Data Visualization; firstly, in order to understand the datasets, students need to learn to visualize the data and gather a clear understanding of the data. It's a great way to graphically represent your data. It makes it easier for Data Analysis, and Machine Learning. There are a lot of tools available that our students use to visualize data, such as Tableau, and Power BI. EDA is a great way to explore data, and also culminate and apply all that the students have learned in the first month. Highly important to extract information and build a strategy for further steps.

Excel: Microsoft Excel enables users to format, organize and calculate data in a spreadsheet. By organizing data using software like Excel, data analysts and other users can make information easier to view as data is added or changed

SQL: is used for performing various operations on the data stored in the database, especially if you are working with multiple datasets. Also important for updating records, deleting records, creating, and modifying tables, views, etc. It is popular for its ability to create and interact with databases quickly. It is very important for communication with databases.

Tableau: Tableau to visualize data and reveal patterns for analysis in business intelligence, making the data more understandable.

Apache Spark: Apache Spark is an open-source, distributed processing system used for big data workloads. It utilizes in-memory caching, and optimized query execution for fast analytic queries against data of any size.

Supervised ML - Linear Regression: Linear regression is one of the supervised learning and is commonly used to quantify the relationship between two or more variables. It is also used to adjust for confounding, to make an outcome more accurate.

Supervised ML - DT & Ensemble: used to improve the accuracy of results in models by combining multiple models instead of using a single model. The combined models increase the accuracy of the results significantly..

Supervised ML - Classification Algos: The Classification algorithm is a Supervised Learning technique that our students use to identify the category of new observations on the basis of training data. In Classification, an algorithm learns from the given dataset and then classifies new observations.

Supervised ML - Model Optimisation:is a procedure or technique which is used to find the most efficient resolution. Its value may be minimum or maximum, which depends upon the requirement. In real life, optimization helps improve the efficiency of a system.

Unsupervised ML - Clustering: Clustering or cluster analysis is a machine learning technique, which groups the unlabelled dataset. It can be defined as "A way of grouping the data points.

Unsupervised ML - PCA: Principal Component Analysis is an unsupervised learning algorithm that is used for the dimensionality reduction in machine learning.

Unsupervised ML - DB Scan: DBSCAN stands for Density-Based Spatial Clustering of Applications with Noise. It depends on a density-based notion of cluster.

TensorFlow: TensorFlow is an open-source end-to-end framework for building Machine Learning apps. It's a symbolic math toolkit that performs a variety of tasks including deep neural network training and inference using dataflow and differentiable programming. It enables programmers to construct machine learning applications by utilizing a variety of tools, frameworks, and community resources.

NLP: One of the most interesting topics in DS and for our students as NLP is crucial in sentiment analysis, NLP allows computers to communicate with humans in their own language, either in speech or text. For example, Alexa, Google Translate, Product Review, etc.,

Artificial Neural Networks: Artificial neural networks (ANNs) use learning algorithms that can independently make adjustments – or learn, in a sense – as they receive new input. This makes them a very effective tool for non-linear statistical data modeling.

Deep Neural Networks: An advanced version of Neural Network, it is a technique that helps our students to teach a computer to do what comes naturally to humans: learn by example. For example; driverless cars, enable them to recognize a stop sign, or distinguish a pedestrian from a lamppost.

Career Development Support:

Portfolio: A data science student's portfolio showcases their skills along with all the projects they have completed. It will help them stand out from the competition and prove that they have the skills necessary to do the job. A portfolio is a great way to highlight your projects and bring direct attention to your skills.

LinkedIn Resume: This provides the opportunity to explain your role, skills, and experience in more detail. You should use this section to feature the highlights that would be included in your CV and are of interest to potential employers.

Mock Interview: A mock interview helps our students learn how to answer difficult questions, develop interview strategies, improve their communication skills, and reduce their stress before an actual job interview. During a mock interview, the interviewer may use a semi-structured interview format rather than asking a formal list of questions.

Kaggle Projects: On course completion, the students are required to work on 10 plus Kaggle projects to enhance their data science skills and get job ready.

Job Support: A continual job search is provided by our Job Support team to help our students scope out the competition, create their personal branding, and decide which skills to highlight with regard to a job they are interested in. Our team constantly helps the students match their skills to various job roles to get started with their dream career in the IT sector.

FACULTY & QUALIFICATIONS

Name	Education	Specialization
Rajeswari V	B.Tech	Electrical and Electronics engineering
Shiva Ganesh Nerella	B.Tech	Computer Science And Engineering
Sajid Khurshid Bhat	BCA	Computer Science
Manikanta KC	BE	Mechanical Engineering
Mohammad Taufeeq Khan	BE	Mechanical Engineering
Manish Gaur	B.Tech	Computer Science And Engineering
Ranjan Kumar	B.Tech	Civil Engineering
Guggilla Praneeth Sai Kumar Reddy	B.Tech	Electronics And Communication Engineering
Subham Rakshit	B.Tech	Electronics And Communication Engineering
Sajith S	B.Tech	Aeronautical Engineering
Prasad Narayanarao Datir	BE	Civil Engineering
Renny Antony	B.Tech	Mechanical Engineering
Dheeraj Kumar Yadav	B.Tech	Computer Science And Engineering
Abhinav Jeetendra Navneet	BE	Computer Science And Engineering
Saniul Haque Mallik	B.Tech	Electrical Engineering
Aditya Janardan Shinde	BE	Mechanical Engineering
Manoj CN	BE	Mechanical Engineering