

SUPER COMPUTER **COLLEGE**



CATALOGUE



**Steps
Ahead**

Committed To Quality Education

SUPER COMPUTER COLLEGE

SUPER COMPUTER COLLEGE

RECOGNISED BY



GOVERNMENT OF JAMMU & KASHMIR
APPROVED NSDC TRAINING PARTNER

AFFILIATED WITH



UNIVERSITY OF KASHMIR

J&K BOARD OF TECHNICAL EDUCATION/DGET

ACCREDITED WITH

NIELIT / DOEACC GOVT. OF INDIA
NCPUL, GOVT. OF INDIA
JK SSDM, TSSC, HSSC, ESSC



INTRODUCTION

The IT industry is the most rapid expanding industry throughout the modern society. IT (Information Technology) refers to anything related to computer technology such as Hardware, Software, Networking, Internet or the people which work with these technologies. In many companies' information communities today, revolution is the most important force shaping communities today. While some of the key force behind the IT revolution are universe, the impact on any given community will be unique, depending on its individual makeup, economic structure, attributes and responses, technology proves us with the ability to create process and store information. Since we live in information age, information technology has become the part of our day today lives. Keeping all in view our mission is not to only provide the high-quality society, the College also provides employment opportunities to our youths. As IT industry has a lot of shortage of skilled knowledge workers (IT professionals) so the AIM of the college is to provide more IT professional in the industry.

Super Computer College is one of the leading IT college of J&K State, approved by the Government of Jammu and Kashmir. College is affiliated to Kashmir University and is accredited by NIELT, Ministry of Communication and information Technology, Govt of India. Further college is also approved by J&K Board of Technical Education and DGET, Govt. of India. Super Computer College is approved Training Partner of NSDC.

Steps Ahead



HIGHLIGHTS

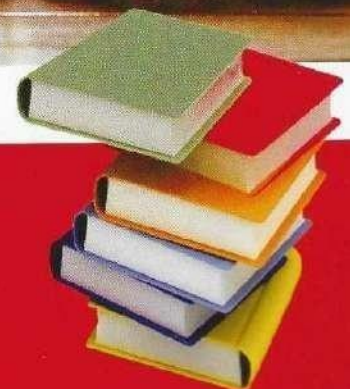
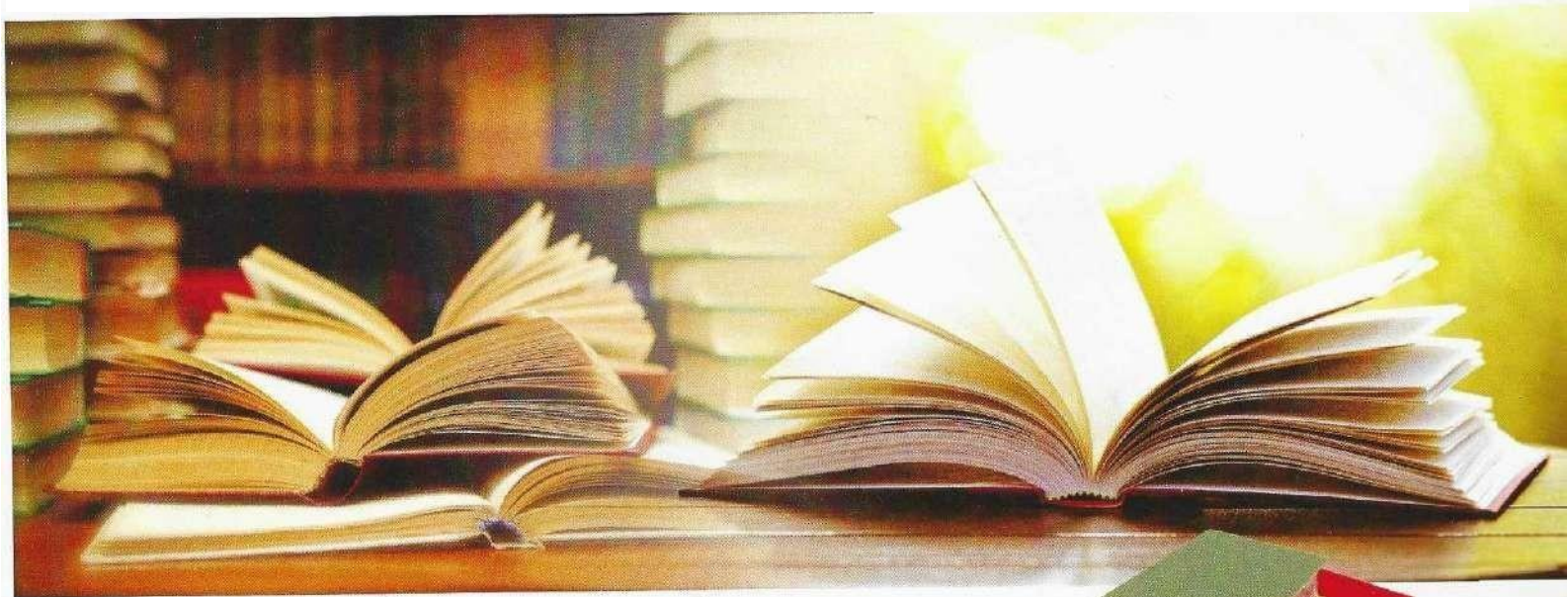
- ✓ Best Infrastructure in South Kashmir.
- ✓ Excellent and Experienced Faculty.
- ✓ 24 Hours backup & Broadband connectivity.
- ✓ Hostel Facility in Campus.
- ✓ Heating & Cooling arrangement.
- ✓ A well-versed Library.
- ✓ NSDC Training Partner.
- ✓ Govt. Recognized Courses and Certificates.
- ✓ Well Maintained Classrooms.





LIBRARY

Well stocked Library with latest books & magazines available for students. Any student can become a member of the library by paying Rs. 1500/- as library fee. Students can avail this facility by using their library card. The student can get issued one book at a time for continues duration of one week. If the book is overdue, a fine of Rs. 10/- per day will be charged and in case of a loss or damage of the book student will have to bear the expenses of the replacement of the same. Library card is valid only for the duration of the course.



Steps Ahead



PLACEMENT



College has a placement network which serves students with reputed companies & it identifies appropriate placement opportunities. College have also tie ups with different agencies in other states of the country as well.



Steps Ahead



CLASS ROOM

College has a well decorated noise free and ventilated class rooms with adequate infrastructure like Class-room Chairs, Tables, Projectors, Smart Boards, etc. are installed in the classrooms

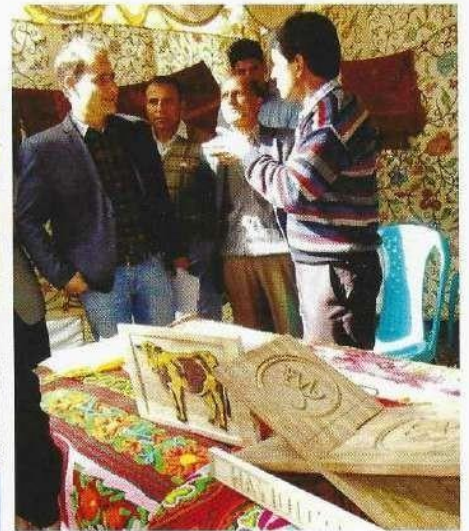


Steps Ahead



ACHIEVEMENTS

College has bagged many awards as best computer training institute. Best IT services & Best Placement institute in the district. College has trained various Govt. Departments under capacity building conducted through IT and General administration department & trained more than 10000 employees and students in various skill development program's



Steps Ahead



Why to Choose Super Computer College

FOR ENTREPRENEURS & BUSINESS OWNERS

1. Free guidance to budding entrepreneurs for raising money for their startup through angel investors
2. Most advanced course content with focus on practical learning with focus on growing your business online.
3. Exposure through campaigns and real money spend while studying
4. Mentorship for your startup / business Idea from founders itself.

FOR FREELANCERS & JOB SEEKERS

100% internship and work experience with our partners

2. Access to placement support and chance work companies like Oyo, Cashkaro, Zomato etc.
3. Make passive income during the course itself with our freelancing training.

FOR STUDENTS

1. Trusted Certified Trainers who are experts at their field
2. Case Studies, Capstone Projects, Agency style training experience
3. Build your own website during training itself
4. Most advanced course content with focus on practical learning

FULL STACK DEVELOPMENT **WEB**



FULL STACK WEB DEVELOPMENT

WHAT WILL YOU LEARN ?

- Learn Web Development from Scratch - Frontend & Backend (Beginner to Advanced)
- Learn to create complex server-side web applications
- Learn Document Object Model (DOM) in JavaScript - Advanced
- Learn to Build applications that can support any front end, and scale to support hundreds of thousands of users
- Learn the Fundamental of PHP and MySQL
- React is a JavaScript library for building user interfaces
- Learn and Apply Media Queries and The Responsive Web Design - To Build Mobile Web sites
- Learn to Build real projects that demonstrate your skills mastery
- Learn MVC Programming
- Learn Database Design and Modeling in MySQL Server (Beginner to Advanced)

PLATFORM

- Linux (Fedora / Mandriva /Ubuntu) or MAC or Windows Host system
- Firefox, Chrome Browsers

REQUIREMENTS

- This course is highly recommended for you if you've never written a line of code
- Passion for learning web development
- Basic Knowledge of Programming will help but is not necessary as this course will start from basics

COURSE OBJECTIVES

- By the end of the program participants will be become an industry-ready engineer who can be readily deployed in a project

WHO IS THE TARGET AUDIENCE?

- Student who want to become the Full Stack Web Developers will find this course very beneficial
- Front end Developers who want to learn backend programming
- Backend developers who want to learn front end programming concepts
- Suitable for beginner programmers and ideal for users who learn faster when shown
- Recommended for people with no programming or app developer experience
- Best for Startup founders who have never written a line of code
- Entrepreneurs who want to learn web development and save money on outsourcing
- Best for Digital Managers who have never written a line of code
- Technical recruitment consultants to understand how the code works

COURSE OVERVIEW

This course delivers a thorough & foundational introduction to programming and usage of the main building blocks of PHP to create applications and further goes on to create web applications in conjunction with web technologies such as HTML, CSS, JavaScript, and JQuery for example. Topics include all major data and control structures, usage patterns, control flow, and OOP. It also extends onto building more complex applications using software development techniques and showcasing how your creations are easily accessible via the web.

The course will cover everything from thinking like a programmer, to practical usage of common software development tools and resources, to key concepts such as data & control structures, usage patterns, control flow, and object orientated programming, as well as leading on to basic web development, utilizing styling, scripting, and backend implementation.



Designing



Development



Databases



FULL STACK WEB DEVELOPMENT

COURSE FLOW

Full Stack Web developer course starts with introducing participants with front-end technologies (ex: HTML5) and makes them develop responsive one page web application. Followed by that it deep dives into MEAN stack components and brings hands-on perspective to building scalable web applications by leveraging "JavaScript everywhere" phenomenon. Throughout the course foundation paradigms are stressed to ensure participants clearly understand software engineering fundamentals and apply them. The course further covers various data-exchange mechanisms (ex: HTTP) to get complete perspective of Full Stack.



Duration

6 Months

- 1) HTML
- 2) CSS
- 3) Java Script
- 4) Bootstrap
- 5) jQuery
- 6) Live Project Training

1 Year

- | | |
|----------------|---------------------------|
| 1. HTML | 9. MySQL |
| 2. CSS | 10. PHP |
| 3. Java Script | 11. Live Project Training |
| 4. Bootstrap | 12. Two Interviews |
| 5. jQuery | 13. Freelance Projects |
| 6. React | 14. Deployment |
| 7. Angular | 15. Maintenance |

Designing



Development



Databases



Eligibility

12th

DIGITAL MARKETING

SCC



LET YOUR
CAREER GROWTH
GO VIRAL!

Living the
Digital Life

Programme Features

The **Digital Marketing and Branding** turns learners into all-rounded professionals with expertise in a host of specialized areas of digital marketing with a comprehensive coverage of fields like - Social Media Marketing, Content Planning, SEO, and SEM.



Assurance of
3 Interviews



Mapped to
Global certifications–
Facebook and Google



classes by
industry-experienced
instructors



Faculty and
peer interaction

Programme Modules

The programme starts from the fundamentals of marketing, focusing on laying a strong foundation in Marketing and Digital, with covering essential concepts of marketing like segmentation, targeting & positioning, advertising & sales promotions, integrated marketing communications, product & brand management, digital models & channels.

After laying a strong foundation for an individual, the programme moves onto covering digital marketing concepts, tools & techniques such as Social Media Marketing, Content Planning & Promotions, Email Marketing, Digital Analytics, Mobile Marketing, SEO, SEM & Inbound Marketing; making sure that the learner is equipped to launch his career in digital marketing.

Once the learner is equipped with the digital marketing tools & techniques, the programme focusses on equipping them with business & leadership skills such as; integration of marketing with business, market research, managing digital initiatives, creation of digital strategy, managing digital marketing clients for a learner to become an advanced professional in digital marketing at the end of the course.

Duration

3 Months

1. Overview of Marketing
2. Introduction to Digital Marketing
3. Social Media Marketing
4. Content Planning and Promotions
5. Website Fundamental Tools
6. Email Marketing

6 Months

1. Overview of Marketing
2. Introduction to Digital Marketing
3. Social Media Marketing
4. Content Planning and Promotions
5. Website Fundamental Tools
6. Email Marketing
7. Search Engine Marketing (SEM)
8. Search Engine Optimization (SEO)
9. Mobile Marketing
10. Business Perspective in Marketing
11. E-Commerce Optimization
12. Online Reputation Management (ORM)
13. Customer Relationship Management (CRM)

Eligibility

12th

Graphic Designing

ABOUT

Graphic Design is all around us! Words and pictures, the building blocks of graphic design are the elements that carry the majority of the content in both the digital world and the printed world. As graphic design become more visible and prevalent in our lives, graphic design as a practice becomes more important in our culture. Though visual examples, this course will teach you the fundamental principles of graphic design. Beyond the basics, you also learn tips and tricks to become a professional graphic designer.

This course is appropriate for those who are new to design generally for those who have basic knowledge and are willing to raising the bar on what they know already. Upon Successful Completion of the course, a student will be expected to:

- ❖ Demonstrate a thorough understanding of the elements of graphic design.
- ❖ Understand and communicate in the language of graphic design.
- ❖ Use of software such as Coral Draw, Photoshop and the internet.
- ❖ Students will learn to solve problems using critical thinking.
- ❖ Approach briefs from the real-world perspective.

At the end of the course, you will have learned how to explore and investigate visual representation through a range of image-making techniques; have understand basic principles of working with shape, color and pattern; been exposed to the language and skills of typography; you will have a core set of graphic design skills that you can apply to your own projects.



Software's

- **Photoshop**
- **Coral Draw**
- **Illustrator**
- **Canva Pro**



Course Outline

This Course will indeed teach you how to make a design! If you want to be a designer you have to be a maker, a communicator; so, this course will offer you lots of opportunities to get your hands dirty with exercises and with more practical projects. Students will be given challenging real-world projects and assignments typical of the graphic design industry. High quality work is expected and students will be given opportunities to do work until it meets standards specified during instruction.

Course Modules

Eligibility

10th

3 Months

1. Introduction to Graphic Designing industry/Equipment
2. Elements of Design
3. Principles of Design
4. Creating Design for Print and Web
5. Logo Designing
6. Photoshop Tools

6 Months

1. Introduction to Graphic Designing industry/Equipment
2. Elements of Design
3. Principles of Design
4. Creating Design for Print and Web
5. Logo Designing
6. Photoshop
7. Photo Editing / Manipulation
8. Coral Draw
9. Canva
10. How to get Freelance Projects
11. Final Exam & Student Assessment



Artificial Intelligence And Machine Learning

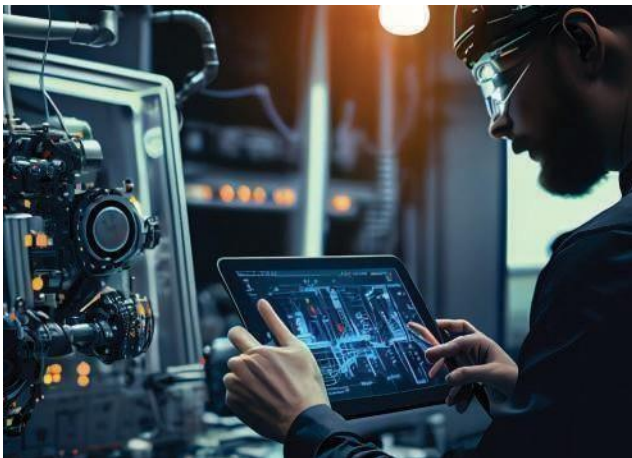


CURRICULUM GUIDE



Course Structure

By combining the best of online learning with collaborative modules, our program offers the flexibility and rigor you need to start your artificial intelligence and machine learning career. Throughout the program, you will have access to on-demand courses and apply class concepts through hands-on lab and project assignments. With the support of instructors, you will develop the framework to solve problems AI and ML professionals face daily.



Hands-On Lab Experiences

When it comes to mastering new technical skills, the best way to learn is by doing. Your artificial intelligence and machine learning courses will feature several lab assignments that allow you to apply concepts in a virtual environment.



Projects and Assignments

Your portfolio signals to employers that you possess the technical skills to hit the ground running in a new role. Throughout your course, you'll build a substantial portfolio of projects that demonstrate your proficiency in the leading AI and ML programs and tools. As a student, you will work independently on a series of applied capstone projects. Students are encouraged to pursue capstone project topics that interest them to complete the portfolio-ready assignment.

Program Eligibility

To participate in the AI/ML course program, you must have completed the following:

- ❖ Bachelor's Degree

We also recommend all AI/ML participants have:

- Professional data analytics or data science experience
- Familiarity with algebra and basic mathematic principles
- Basic programming knowledge

Duration

6 Months

1. Artificial Intelligence
2. Machine Learning
3. Supervised Learning
4. Unsupervised Learning
5. Reinforcement Learning
6. Deep Learning
7. Algorithms
8. Data Mining
9. Python
10. Two Projects

1 Year

1. Artificial Intelligence
2. Machine Learning
3. Supervised Learning
4. Unsupervised Learning
5. Reinforcement Learning
6. Deep Learning
7. Algorithms
8. Data Mining
9. Python
10. Motion Analysis
11. Natural Language Processing (NLP)
12. Neural Networks
13. Object Detection
14. AI Tools
15. Chat GPT
16. Project Work

DOMESTIC DATA ENTRY OPERATOR

COURSE OBJECTIVE

World is moving online and migration of data is the call for the hour. Data entry is the basic need of any industry not just IT. This course would help you master the art and also use the system affluently. You will learn to use basic office management software and internet professionally.

Exit profile

- Understanding required skills for a domestic data entry operator
- Undertake data entry services
- Manage their work to meet requirements
- Maintain a healthy, safe and secure working environment

Eligibility

- 10th Standard

Course Outline

- Data Entry Services
- MS Office / Open Office
- Browser
- Outlook / Email
- Self and Work Management
- Managing health and Safety

COPA

Computer Operator and
Programming Assistant



About Course

During the one-year duration of Computer Operator and Programming Assistant trade a candidate is trained on professional skill, professional knowledge and Employability skill related to job role. In addition to this a candidate is entrusted to undertake project work and extracurricular activities to build up confidence. The Broad components covered under the professional skill subject are as below:

The trainee learns about safety and environment, use of fire extinguishers. He learns about trade tools, identifies computer peripherals, internal components, basic DOS commands, Windows and Linux interface and its related software installation process. Trainees will work with MS Office package to create word document, practice with excel sheet and get idea to create a good power point presentation, maintain database with MS Access. They will set up and configure a network system of an organization. They will understand and able to work on Advanced excel concepts. They will use internet to search information using browser along with official/ social communication process. Trainees will learn E-commerce system and will be able to browse, select and transact using different E-commerce websites. They will identify different type of cybercrimes now days and will be able to secure information from Internet by using cyber security concept. The trainees will be able to use cloud for their projects. They will comprehend the basic programming techniques and can create algorithms and flow charts. Trainees will create basic static webpage using HTML. Trainees can go on industrial visit or projects specified in the syllabus. The trainee learns scripting language i.e. JavaScript and will develop dynamic webpage and hosting technique in a registered domain

Course Duration

1 Year

Course Modules

- ❖ Fundamentals of Computer
- ❖ MS Office
- ❖ Internet JavaScript
- ❖ Tally
- ❖ HTML
- ❖ CSS
- ❖ JavaScript
- ❖ VBA
- ❖ E-Commerce

CRUSH COURSES

Course
Photoshop
Coral Draw
Python Programming
PHP MySQL
Java
Tally
MARG

Placement COMPANIES





Skill India
कौशल भारत - कुशल भारत



10,000+

50,000 + HOURS OF LEARNING
GRADUATED STUDENTS

202 + PARTNER COMPANIES

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