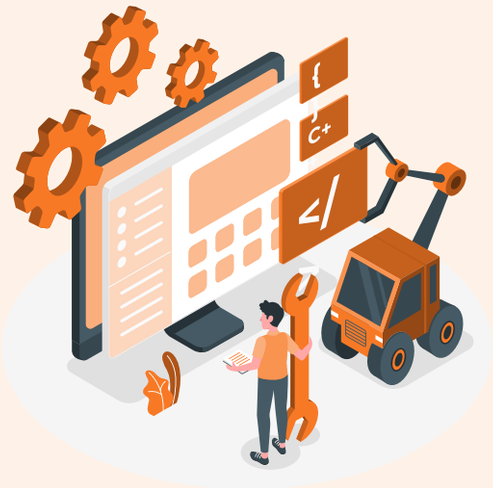
GYANOHOLIC

Master's Program

It will be misleading you if we say that your child will be able to create world class professional apps and websites just after completing the Bachelor's Program. If anyone is claiming such things then it is better to stay away from such false claimers.
Mastering any course or domain takes time and consistent effort. What we teach are complex technologies and has a considerable long path before you can master it.

The Bachelor's Program was for students to explore and learn about a wide range of subjects in the STEM domain. It worked towards building a strong fundamental foundation. The vision of the Master's Program is to give specialized training on a specific field for complete mastery on that domain.

After completing the Bachelor's Program, we analyze the performance, strengths and interests of the student and mutually workout the appropriate field for specialization. The student would then focus on that domain only and will undergo a specialized training to learn the real tools and technologies that are being used in the industries.



To give you an example, professional websites are not built directly by writing codes using HTML, CSS and JavaScript. The designers first work on the design on different tools like Figma, Adobe XD, etc. The complete design and look of the page is conceptualized and finalized using these tools. It is after this, that the codes are written to replicate the designs. These design tools allow to create much superior UI/UX for the website and that is the reason why every professional organization follow this process. In the Master's Program, we have specialized course on UI/UX where students who are interested in designing can learn these professional tools and also learn how to write the codes for replicating such designs. After completing this Master's Program, the student will be at par to any professional UI/UX developer.

All the Master's Program are designed and curated by industry experts only. We have ensured that professionals who have quality experience in the industry and very well know the current trends design the curriculum so that the students learn exactly the tools and technologies which are relevant in today's era.
Many of the specialization courses are in fact inspired from the induction program of some of the major global organizations. The 3–6 months of training which a fresher Engineer is made to go through is the same training which we shall provide to our students in the Master' Program.

After reading all this, if you are wondering if all these are too advanced and complicated for your young child then put aside all your concerns. All our curriculums and courses are tried and tested on students. None of these courses have complexities which the students cannot handle. Our students have very proficiently grasped everything and mastered it with dedicated efforts and practice.
They absolutely love learning anything which gives them a purpose and meaning. When they know they are learning something which will give them real empowerment on a particular skill, we will always get 100% commitment from their side.

To add on to this, when the students complete the Master's Program, the learning does not stop there. We have our Tech Fellowship program that follows where they are given the opportunity to implement their learnt skills on real world LIVE projects under industry experts. This helps them gain ground-level experience of how things work in the real world.
There are over 20 courses to choose from in the Master's Program and as you read this, our team is working on bringing you more such courses to choose from. The student, parent and the mentor analyze the student's skill sets and area of interest based on their performance in the bachelor's course and accordingly decide one specialization in the Master's Program.

Note: A student will not be trained on all the courses. The student choses one of the courses based on his/her area of interest.

1

Advanced Robotics with Raspberry Pi and Embedded Systems

When it comes to Robotics and electronics, advanced microcontrollers like Raspberry Pi and other Embedded Systems rule the industrial world. Be it any professional application or project, it is impossible to have something without using one of these. Automation is the new age requirement and it has become possible owning to the available embedded systems. This course shall give you mastery on programming on Raspberry Pi and embedded systems as well as integrating it with different systems for creating the desired outcomes.

2

UI/UX – Adobe XD / Figma

This course will train you in the major designing tools used by professionals in designing the UI/UX of a website and app. Not only will the students master these designing tools but they will also master the art of writing codes from these designs for the accurate outcomes. After this course, the students will be at par to any professional UI/UX developer.

3

App Development using Android Studio, React Native & Flutter

Professional apps are not built on block-based programming platforms. They are good to get started with the journey of app development but they have a lifecycle after which you need to move on to more advanced tools for better outcomes. This specialization course is solely devoted to master the art of App Development. It involves everything that is required to become a professional App Developer. In this course, you will not only master the art of building attractive UI/UX of apps but also master the skill of programing on the professional app development platforms.

4

Server-side programming using JS / Python / PHP

This course is for students who are strong in programming and are not intimidated by complex algorithms and long codes. In this course, students will learn about the programming that goes on in the backend of a website. When we search something on the web, we get the results in the form of some website. It is the server-side programming that is responsible for addressing the searches and accordingly sending back the results as a properly constructed web page. In this course, you will learn the server-side programming using JavaScript, Python as well as PHP. This is one of the core work-profiles in the professional world and will never run out of scope.

5

Digital Marketing & SEO

With every business going online today, market places have shifted from the physical world to the online world. Online medium has become the king of today and will rule the future as well. For this same reason, digital marketing is one of the most trending professions. It is challenging and very rewarding. As competitions are rising, the world needs more and more skilled digital marketing professionals. The Digital Marketing & SEO specialization course, is the one stop course that shall train you with the a to z of this field. You shall be thoroughly trained on all the parameters and analytic tools like Email and Social Media marketing, PPC, Web Analytics, SEO, Content marketing, keyword optimization and much more. Most importantly, you will be learning and implementing all of this on actual live campaigns for real learning and experience

6

3D Game Development

This is a niche domain that is extremely fun and exciting. Students who love the process of building games more than playing it shall thoroughly enjoy this specialization course. In this course, students will master multiple 3D game development platforms like Unity, Godot, etc. These are complex tools which need highly skilled guidance to be able to master them. Our course has been crafted by the best professionals in this field thus ensuring a smooth learning experience. After this course, you will be equipped to create all kinds of 3D games that you see and play!

7

Python Packages for AI & ML

Python is a huge world in itself owning to the immense number of libraries it has to offer. Due to its ease of coding and such libraries, Python has been extensively used for AI & ML. In this specialization course, we teach you some of the most popular libraries that are used for Artificial intelligence and Machine Learning. Some of the libraries covered in this course are Tensor Flow, Keras, Numpy, Pandas, etc. This is one of the most trending fields in IT today and specializing in this surely will give you some serious head start from others already!

8

NLP and Deep Learning

Natural Language Processing (NLP) is a technique for deciphering and manipulating human language using algorithms. It is one of the most widely used fields of machine learning. As AI continues to expand, so will the demand for professionals skilled at building models that analyze speech and language, uncover contextual patterns, and produce insights from text and audio. This specialization course will thoroughly train you with the state-of-the-art deep learning techniques needed to build robust NLP systems. By the end of this course, you will be ready to design NLP applications that perform question-answering and sentiment analysis, create tools to translate languages and summarize text, and even build chatbots.

9

Advanced Cyber Security

This is an area that is highly in demand and has immense scope going ahead in the future. In this specialization course, you will be trained on the key infrastructure and network components, advanced hacking concepts, designing security architecture and framework for IT operations, data protection, disaster recovery and many more. This is a very practical oriented course where you will learn by designing security solutions for a wide range of actual cyber-attack scenarios.

10

PCB designing and printing

This is a hardcore practical course that will help you master the skill of designing circuits. When it comes to designing actual circuits on a PCB, one needs to possess complete clarity of concepts. One simple error in designing and calculation can cause major damage not just to your circuit but also to your equipment. This course will help you gain in-depth conceptual knowledge about electronics and its principles, help you master the designing software, take you through the different PCB printing procedures and much more. After this course, you will be able to create any kind of circuit that you need for any purpose.

11

Full-Stack Java Development

This Full Stack Java Developer course is designed to give you an essence of front-end, middleware, and back-end web developer technologies. You will learn to build an end-to-end application, test and deploy code, store data using MongoDB, and much more. You shall also learn about the Spring framework and DevOps tools. This course exposes you to a ton of tools and skills. After this course, you will be able to create web applications of different domains like food delivery, entertainment, e-commerce, etc.

12

Testing Tools (Functional Testing / UI Testing / Performance Testing)

Testing in an integral part of development; be it software or web application. As a tester, one needs to understand the project really well, create scenarios to test the performance, find out bugs, test out every function of the application in different ways to ensure smooth operation and much more. This specialization course trains you to develop the skills and mind-set that any Tester should possess. You shall be thoroughly trained on testing different projects and platforms for complete mastery. You shall be learning the use of different testing tools that are extensively used in the industry today.

13

Graphic Designing

This is an exciting field that throws new challenges and opportunities every day! To excel in this field, one needs great proficiency of the tool as well as a creative sense. This field will always be in demand – be it the offline world or the online world, graphic designers will always be needed. This course shall open doors for you across a wide range of fields. It could be advertising, marketing, UI/UX designer for websites and apps, etc. With this specialization course, you shall learn the use of multiple popular graphic designing software. Our curriculum has been strategically created to not just teach but also test you with different challenging tasks and projects for much enhanced outcomes.

14

Video Editing

The demand for Video Editors are at global high today! With so much content being created on YouTube, Instagram, TikTok, OTT platforms like Netflix, movies, etc. the need for good Video Editors are rising as you read this. This specialization is a comprehensive course that is all you need to master this craft. In this course, you shall be trained in multiple skills from video editing to colour correction to dealing with chroma key videos, motion graphics and much more. After completing this course, you will possess the multi-disciplinary skills at par with any seasoned professional.

15

IoT

The global IoT market is projected to reach US$ 1.3 trillion by 2026 (Fortune). Ericsson has forecasted that the number of cellular IoT connections is expected to reach 3.5 billion in 2023, increasing at a CAGR of 30%. Though IoT projects are top of priority for organizations, nearly 75% of them take twice as long to complete because of IoT talent shortage, according to Gartner. The industry needs professionals with expertise in the technologies and processes around IoT to fulfill its ambitions of interconnectivity. This IOT course is meant to be an exhaustive introduction to the fascinating world of devices connected to each other through internet commonly referred to as Internet of Things. This course combines the skills of hardware with programming to build your capabilities of creating innovative IoT products and applications. In this course, you will master different hardware devices like the Raspberry Pi, microcontrollers like Node MCU as well as different kinds of electronic modules. In the software part, you will master the use of Python and Linux OS.

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Content Creation & Vlogging

Content creation and vlogging has seen a tremendous uptrend in the last few years where more and more people are expressing their skills, daily lives, etc. as video logs on platforms like YouTube, Instagram, etc. This profession or hobby is not just monetarily rewarding but also very rewarding in terms of the love and appreciation you get from the viewers. You could have many things to share with the world. It could be your baking skills, food recipes, gaming videos, videos of your pet or some learning content – you could do it all! In this course, you will be trained on every single thing that you need to know and learn to become a professional vlogger. Right from how you could create interesting content, the right camera and accessories, how to record your content, audio settings and cleaning, use of green screen, video editing tools that are easy to use yet powerful, marketing your content, doing no-cost digital marketing, optimizing your videos, learning the free tools available to grow your channel and much more. The best part of this course is that you will be implementing all the learning on your own videos. As a result, at the end of the course, you will have your own channel on YouTube and other social media platforms with good amount of content ready for the world to see.

And much more...