

CODING LESSONS FOR SECONDARY SCHOOL STUDENTS. **BASED ON WEBSITE DEVELOPMENT AND WEB APPLICATION** **DEVELOPMENT.**

ABOUT:

Learning how to code may be super challenging for adults, which makes most parents think it's quite impossible for kids or teenagers. But the reality, in today's era of Artificial Intelligence(AI) and automation, is that coding has increasingly become one of the biggest trends in the education sector. This might sound unbelievable, but kids and Teenagers are great when it comes to learning code.

Also, it opens the door to plenty of opportunities for both in terms of acquiring life skills and exploring career opportunities. So that's why making up lessons for students in secondary level either been fixed as a subject or as a program which will be innovative to the students in participating in something that can be productive for them specially when done from their secondary level.

This coding lessons is based on website development and web application in which students will be taught the fundamentals which will include both theory and mostly practicals.

AIMS:

- All Students of all various classes which will be participating in this coding lesson should have the basic understanding about coding(programming in general) and also programming in the arena for website developing and web application.
- All Students of all various classes which will be participating in this coding lesson should have the basic understanding of a website and Web application, on how it operates, how it is been created, the difference, the hosting, servers, where it's been applied and used.
- All students participating should be able to create simple projects with the programming languages which will be taught(HTML, CSS, JS). Simple projects like a calculator, animations, video player and many more..
- A website and website application would be created for the school in which this coding lesson would be disposed. This aim is to be done by the outstanding students who tend to be very creative. The Website would be

based on the school portfolio which will give information about the school. While, the web application actually will be an app for student to participate in a test(question and answer forum). Also this website will be hosted.

`Those are the aims for this coding lesson.

NEEDED EQUIPMENT:

- Provisions of laptops or desktop computer for these coding lessons specifically in the school where it will be taken place. So student can participate in the practical aspect of this coding lesson.
- A projector would be needed to make the teaching easier to student to learn. This will make the coding lessons easier in a case where students are likely to be much.
- A Computer laboratory would be needed in the school arena specifically where the practical aspects is to be done for conveniences.

CONCLUSION:

Learning coding for website development or web application development will add up to the student knowledge and creativity. Also can also be a source of income due to the high demand of website developers around the world. Thanks.

Thanks.....
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