STUDENT BRANCH
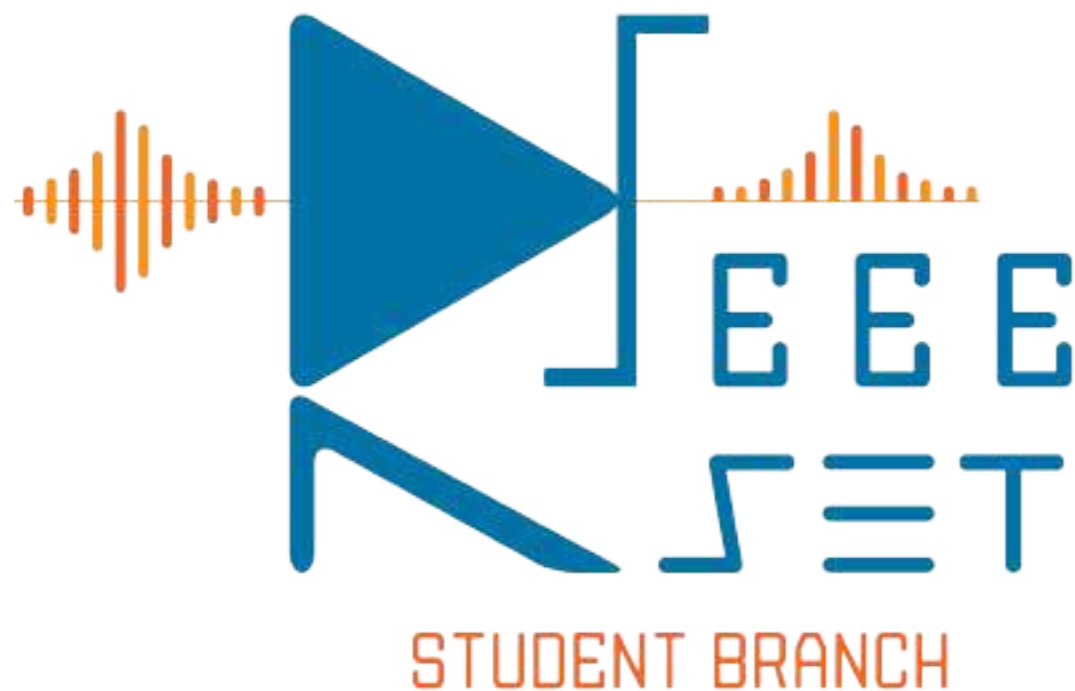
What is IEEE?

IEEE is the world's largest technical professional organisation dedicated to advancing technology for the benefit of humanity.

IEEE RSET SB

IEEE RSET SB is one amongst the 100+ IEEE Student Branches in Kerala. IEEE RSET SB also stands to be one of the largest as well as one of the best SB in the section and have won several major inter SB competitions. IEEE RSET SB aims at enhancing the skillset of our members by providing them a cornucopia of resources and platforms to showcase their talents and skills and hence reach further beyond.

Phoenix

Phoenix is an initiative by IEEE RSET SB in order to provide free co-curricular education to students who don't have access or is unable to purchase online courses that provide this form of education.

The industry no longer wants a student who knows what is there in the syllabus, they want students who knows beyond it. Our intention is to provide the students with skills like programming, technical writing, robotics etc. so that they get a head start on the things they will learn once they pursue higher education. This will allow them to gain extra knowledge and stand out by the time they complete their college education.

Coding

Programming with **Python**

" Everybody in this country should learn how to program a computer...because it teaches you how to think." ~ Steve Jobs
One of the most common misconceptions about programming is that it is career oriented but, it's not. There are plenty of other benefits to coding other than just a career. Learning programming will enhance a student's technical knowledge, problem-solving skills, and creativity.
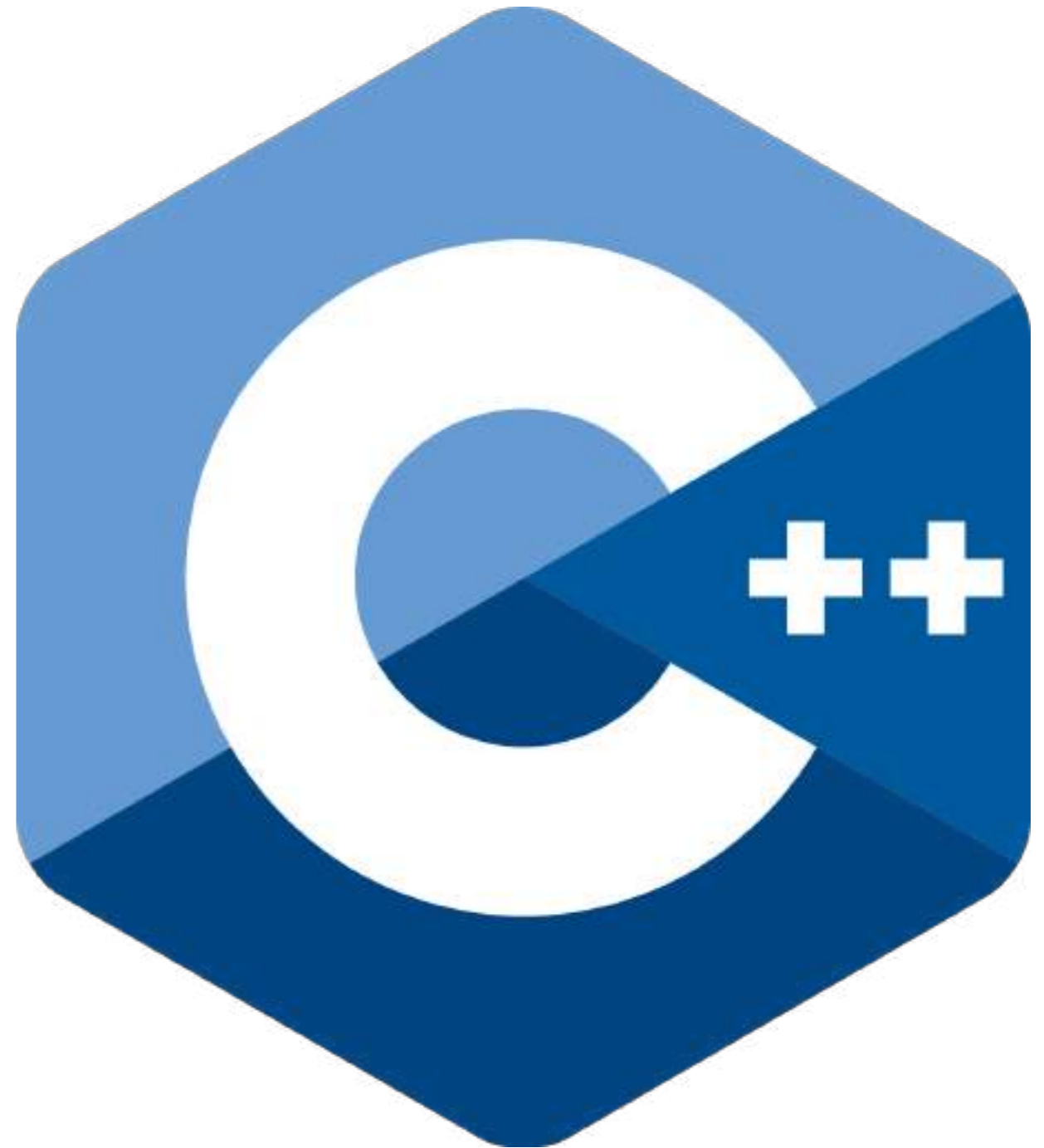Python is a programming language used for developing software and apps in a variety of settings. It's easy to read and accessible even to beginners.
At the end of the course, you will be able to code and also will be aware of basic knowledge about Python!

Coding

Programming with **C++**

The C++ programming language is an extension to the C language and is known as an intermediate language in programming. Hence, this course has been included in the 2nd phase of Phoenix.   The topics that learners will understand include data types, syntax, array functions, and more. The students will also be exposed to programming problems and developing logic to find the solution. Steve Jobs once said "Everybody in this country should learn to program a computer, because it teaches you how to think". Code is in fact the language of the future, and learning to code also strengthens creativity, problem solving, and a host of other skills; but most importantly, it is a fun based experience!
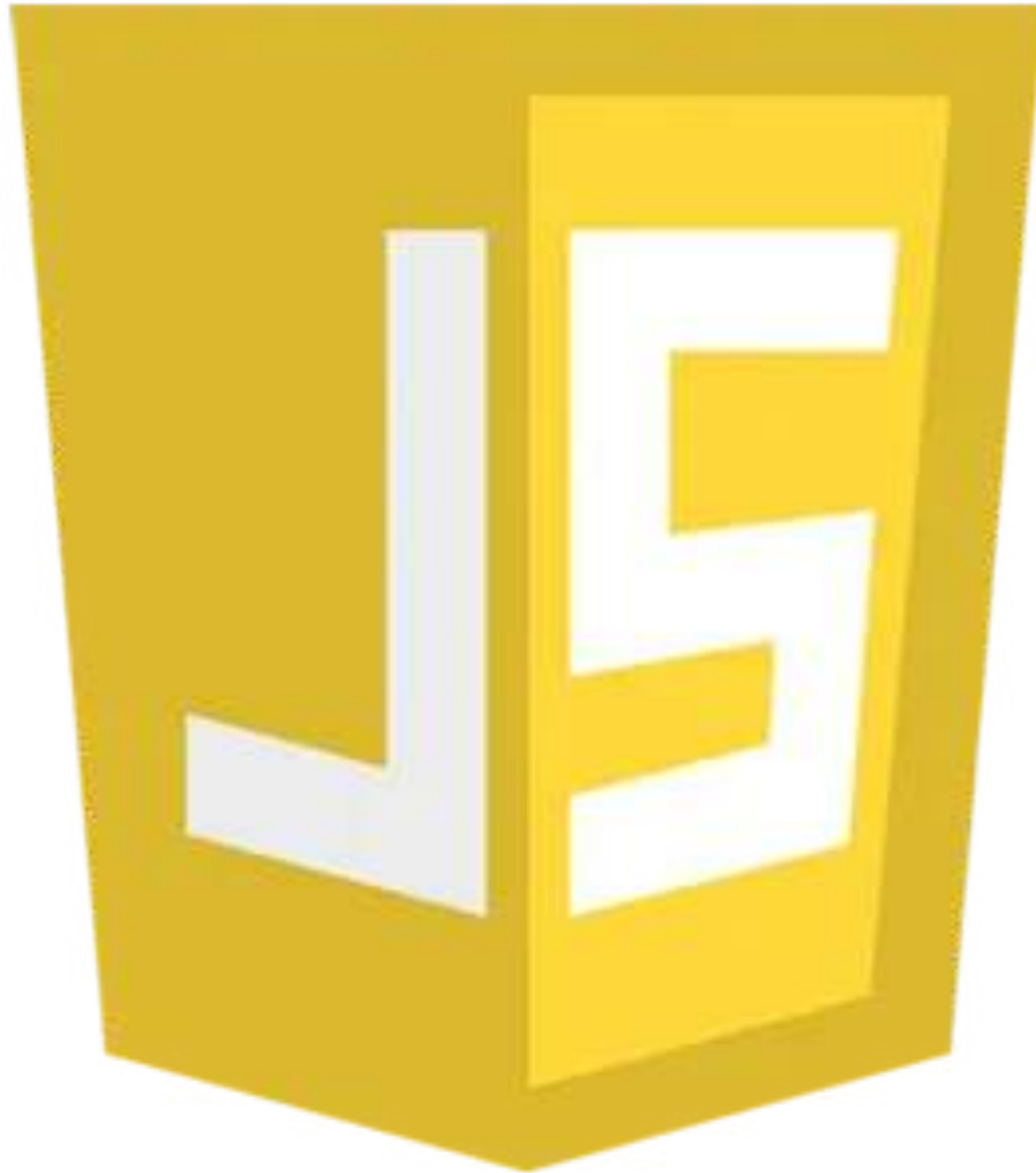
Coding

Programming with **JavaScript**

Knowing any programming language is always useful for anyone. Why not begin with the world's most popular programming language, JavaScript. It is easy to learn and is perfect for students who are interested to learn to code.

In this course, we will be teaching the basics of JavaScript, its syntaxes, and semantics.

Once the course is completed, the student will have a general overview of JavaScript and will be able to do basic coding in it.

Electronics

Arduino

For all those inquisitive, curious kids out there! We present you a course on Arduino.

It's a company in Italy. The company produces 2 products; hardware and software. Which helps people to build real-world projects with them.

At the end of the course students will be able to program and build projects on Arduino, and also will have a knowledge about basic circuits and sensors.

3D Modelling

Tinkercad

Young creative minds may sometimes find it difficult to implement their visions or ideas. We help students overcome this by introducing them to Tinkercad. Tinkercad is an online simulation software used for 3D designing, electronics, and coding.

In this course, we focus on the electronics part. Simulations play an important role in electronic projects. Learning to use Tinkercad will allow students to get an overview of the circuit and debug circuits easily.

Once the course is completed, the student will have a general knowledge of Tinkercad, basic circuits, Arduino, coding, and sensors.

Development

Web Development

In today's digital era, having an in-demand career skill can be beneficial for any beginner. This is why we are introducing students to Web Development. Web Development is the building and maintaining of websites.

In this course, we will be dealing with front-end development. This takes care of layout, design, and interactivity. We will be teaching the basics of HTML, CSS, and Bootstrap.

By the end of the course, students will be able to create a simple yet effective front-end website.

Development

App Development

How exciting it would be to build your own app and to share it with all your friends! Phoenix is now giving the students an opportunity to make their own apps using MIT app inventor. MIT App Inventor is a free, cloud-based service that allows you to make your own mobile apps using a blocks-based programming language. The students are first familiarised with the fundamentals of mobile applications as well as the user interface and elements in MIT. Then they use the acquired knowledge to design an app logic to use it on their android devices. Not only is creating your own app fun, but also gives a sense of pride and accomplishment to unlock your phone and use an application that you have created

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