Welcome to Deploying TinyML (Course 3)

What is Tiny Machine Learning (**TinyML**)?
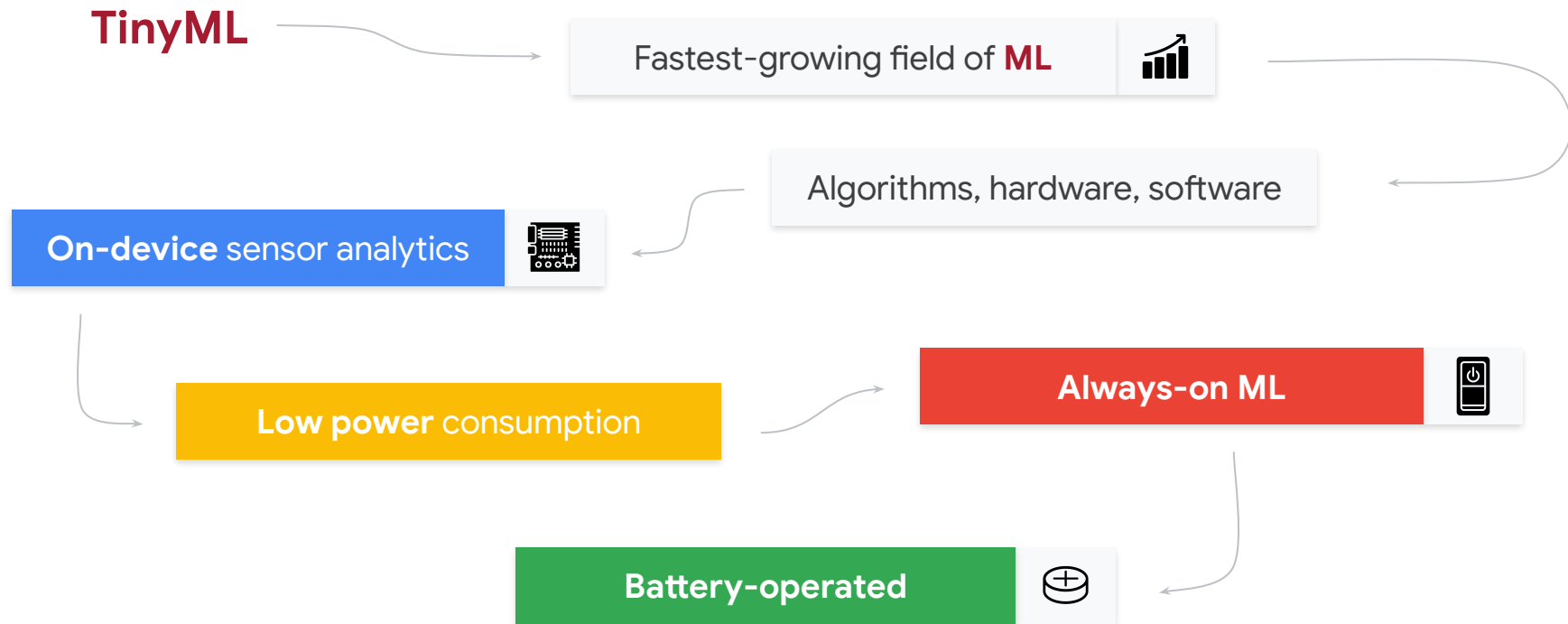
TinyML
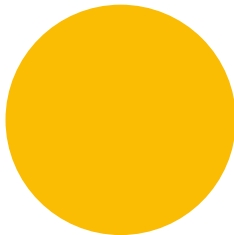
Fastest-growing field of **ML**

Algorithms, hardware, software

On-device sensor analytics

Low power consumption

Always-on ML

Battery-operated

Course Sequence

Course 1

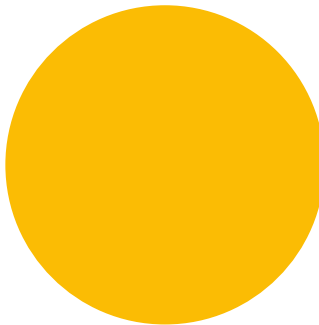*Fundamentals of TinyML*

Course 2

Applications of TinyML

Course 3

Deploying TinyML

Learning

An introduction to Machine Learning (ML) with TensorFlow using the Colab programming environment. You will gain an understanding of how to design, develop, and use ML applications through the lens of Tiny Machine Learning.
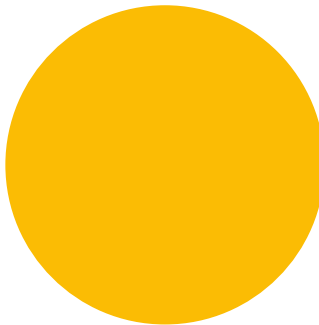
Course Sequence

Course 1

Fundamentals of TinyML

Course 2

Applications of TinyML

Course 3

Deploying TinyML

Learning

An introduction to a variety of TinyML applications and sensor types, along with a deep dive into how to build some of them (e.g., speech commands). You will learn the importance of dataset engineering and responsible AI methods.
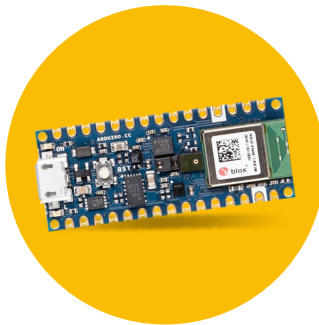
Course Sequence

Course 1

Fundamentals of TinyML

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Course 3

Deploying TinyML

Learning

You will learn how to deploy models on a real microcontroller. Along the way you will explore the challenges unique to and amplified by TinyML (e.g., preprocessing, post-processing, dealing with resource constraints).

Write an end-to-end embedded ML application