



CERTIFICATE
Issued December 20th, 2013

This is to certify that

Kariappan Vigginaraj

successfully completed

PHYS102x: Electricity & Magnetism

a course of study offered by **RiceX**, an online learning
initiative of **Rice University** through **edX**.

A handwritten signature in black ink, appearing to read "Jason Hafner".

Jason Hafner
Associate Professor of Physics and Astronomy
and of Chemistry
Rice University

A handwritten signature in black ink, appearing to read "Cylette Willis".

Cylette Willis
Online Education Program Director
Rice University

A handwritten signature in black ink, appearing to read "Caroline Levander".

Caroline Levander
Vice Provost for Interdisciplinary Initiatives
and Digital Education
Rice University

HONOR CODE CERTIFICATE

*Authenticity of this certificate can be verified at <https://verify.edx.org/cert/c646f6595a644eed87912a26bb4bb49c>