**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**Jnana Sangama, Belgavi – 590014.**



Seminar report on

**“Ponseti Shoes Based on IOT”**

Submitted in partial fulfilment of award of Degree of

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**SUBMITTED BY**

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

CERTIFICATE

This is to certify that the Seminar Report entitled **“Ponseti Shoes based On IOT”**is a bonafide project work carried out by **Rajeev Ranjan (1DB15CS120)** in partial fulfilment of ‘VIII’ semester for the Degree of **Bachelor of Engineering in Computer Science and Engineering** of Visvesvaraya Technological University, Belgavi, during the academic year 2018-2019. It is certified that all corrections/suggestions indicated for Internal Assessments have been incorporated with the degree mentioned.

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**DECLARATION**

I Rajeev Ranjan, student of eighth semester B.E, Department of Computer Science and Engineering, Don Bosco Institute of Technology, Kumbalagodu, Bengaluru, declare, that the Seminar Work entitled **“Ponseti Shoes Based On Iot”** has been carried out by me, and submitted in partial fulfilment of the requirement of VIII semester. The matter embodied in this report has not been submitted to any university or institute for the award of any other degree or diploma.

**Place:** Bengaluru **Rajeev Ranjan**

**Date (1DB15CS120)**

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**ABSTRACT**

The word “Open Source” is everywhere with Linux Technology and GNU foundation. In addition to open source software's and operating systems, Open Source Hardware is also progressing and becoming center point of attraction for researchers across the nook and corner of the world. The most widely adopted Open Source hardware available right now is “Arduino”. Arduino has various products like boards, Lilypad's and shields. The aim of this report is to explore the world of Arduino technology in terms of Boards, Lilypad's and Shields covering in depth regarding-Technical Specifications, features and real-world applications. Arduino technology has enabled various manufactures and research enthusiasts to come out with their own customized boards and shields as per their research requirements and area of implementations. Arduino Open Source community is also providing platform for researchers to come up with innovative research applications and market ready products in terms of Home Automation, Robotics, Wireless Connectivity, Drones and many others.

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