# **Interactive Lesson Learner** 'My Point' Version: 1.0

### **Summer Internship 2013**

Submitted in fulfillment of internship project by Interactive Lesson Learner Team

> Under the Guidance of Prof. Deepak B. Phatak



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## Summer Internship 2013 Project Approval Certificate

# Department of Computer Science and Engineering Indian Institute of Technology Bombay

The project entitled "Interactive Lesson Learner" submitted by Ms. Rindu John, Ms. Mradu Bansal, Mr. Nikhilesh Ganesan and Mr. Upendra Ghintala are approved for Summer Internship 2013 programme from 9<sup>th</sup> May 2013 to 6<sup>th</sup> July 2013, at Department of Computer Science and Engineering, IIT Bombay.

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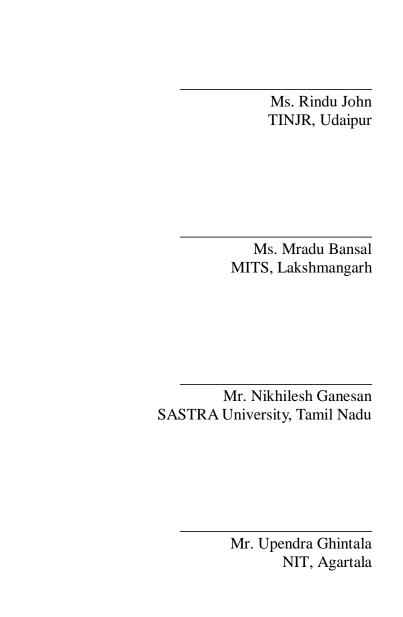
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### **Declaration**

I declare that this written submission represents my ideas in my own words and where others ideas or words have been included, I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact source in my submission. I understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited whom proper permission has not been taken when needed.



#### **ACKNOWLEDGEMENT**

We the summer intern team of development on Aakash Platform are overwhelmed in all humbleness and gratefulness to acknowledge our depth to all those who have helped us to put our ideas and assigned work, well above the level of simplicity and into something concrete.

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#### **ABSTRACT**

The application aims to develop Interactive Lessons for students through which they can learn, understand, practice and evaluate themselves. It provides flexibility of studying anytime, anywhere, and at one's own pace. The application is named 'myPoint' which also works as an aid in teaching. It enables taking assignments, conducting inbuilt tests by teachers. It also provides functionalities which help students to explore respective lesson beyond the scope of textbook.

Education always holds the key towards success. One of the drawbacks in Indian society today is a variation in the quality of education, depending on the wealth, or lack thereof, in particular areas. Education standards were hoped to be increased a decade back, perhaps the biggest concern now is the availability of resources. Due to an augment in job opportunities, teaching has become a secondary interest consequently lesser student participation at schools. This being one of the biggest concerns in India, Our Project Team decided to bend the rules of teaching and provide student with means for self-learning through electronic teaching. We use the Aakash tablet as, in the future, the desktop and laptop computers will be replaced by more portable forms like tablets moreover Aakash is the cheapest tablet available, its popularity is much higher and is easily affordable by everyone, we aim at using this technology extensively in the learning process.

Thus, having this objective we started our project to meet the needs of under privileged students. Hence we attempt to raise the level of education available to the students.

The application "Interactive Lesson Learner - MY POINT" targets the 9<sup>th</sup> standard maths syllabus of State/CBSE/ICSE boards (particularly Maharashtra State Education Board), to learn Cartesian Coordinate System in a simplest and interactive way.

Interactive Lesson Learner – My Point is an Open Source software. Therefore it is going to be freely available to a massive number of students & teachers.

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