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STUDY OF PREPARATORY PROGRAMMING LANGUAGES IN CURRICULUM AND ITS EFFECTS ON STUDENTS

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ABSTRACT

The reason behind conducting this study was to conclude or advice the respective concerned committees who can modify the course content computer science courses based on needs of students. The survey methodology was used in this research study to identify the competencies, programming languages (PL), and assessments that academic and industry experts felt most important. Along with questions related to introductory PL's, few questions are also dedicated to target the course selection criteria, background of the students understand-ability and future aspirations of the students. The study also covers the detail aspects of language characteristics such as critical syntax, lines of code, debugging support which is the reason behind the popularity of the PL's among the students.

Keywords: Preparatory Programming Language, assessment, popularity, students

INTRODUCTION AND BACKGROUND

The interest for computing experts in the working environment has prompted expanded regard for SW engineering instruction, and early on SW engineering courses have been presented at various degrees of education. For many years and more and more in any respect levels of obligatory and submit-compulsory education – the choice of PL to introduce the technology of computer programming through key programming concepts, constructs, syntax and semantics has been frequently revisited. Even inside the context of what are appeared to be the most difficult introductory topics in science tiers, numerous key subject matters across programming regularly appear. It appears that many years of studies at the teaching of introductory programming has had restrained effect on lecture room practice; although relevant research exists across several disciplines together with education and cognitive technological know-how, disciplinary variations have often made this fabric inaccessible to many computing educators. The main idea blanketed on this examine is getting the exceptional feasible records from the primary concerned birthday party in training field "students". This observe is to achieve the insights associated with adopting PL's and direction from the scholar's point of view.

As teaching aims to prepare a personnel for destiny jobs, it is of little surprise that the number of students in introductory computer science have persevered to grow in faculties and universities. Those guides can cowl statistics systems, hardware and architecture, working structures, software program engineering, programming, databases, among other subjects. Additionally, instructors can pick out from several languages to offer college students a joy that is instructional, motivating, and meets present day industry practices. The purpose of this research turned into to provide recommendations for the skills, PL's, and tests for CS course.

LITERATURE REVIEW

There may be a big body of well-known literature on the roles and strategies teachers and students encounter in higher training. Introductory PL has been the subject of many research papers, that specialize in a wide range of technical and academic components. A researcher highlights that the problems encompass "which PL should be used, which method have to study, which subjects have to be covered". Debates over based as opposed to object-oriented driven curriculum nevertheless keep to divide computing educators. A studies confirmed that