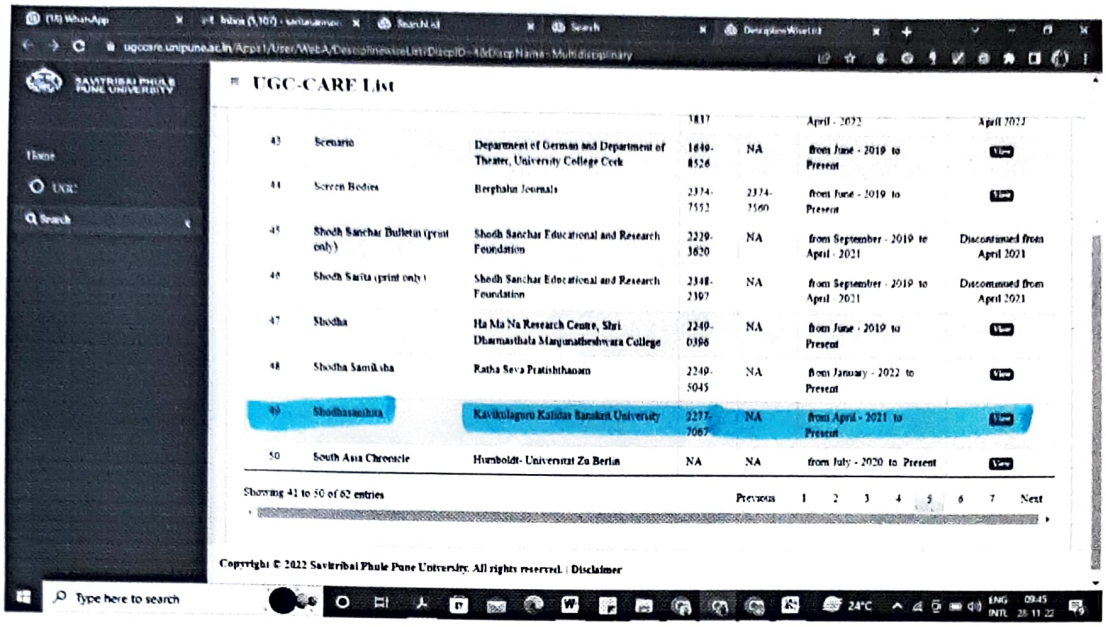
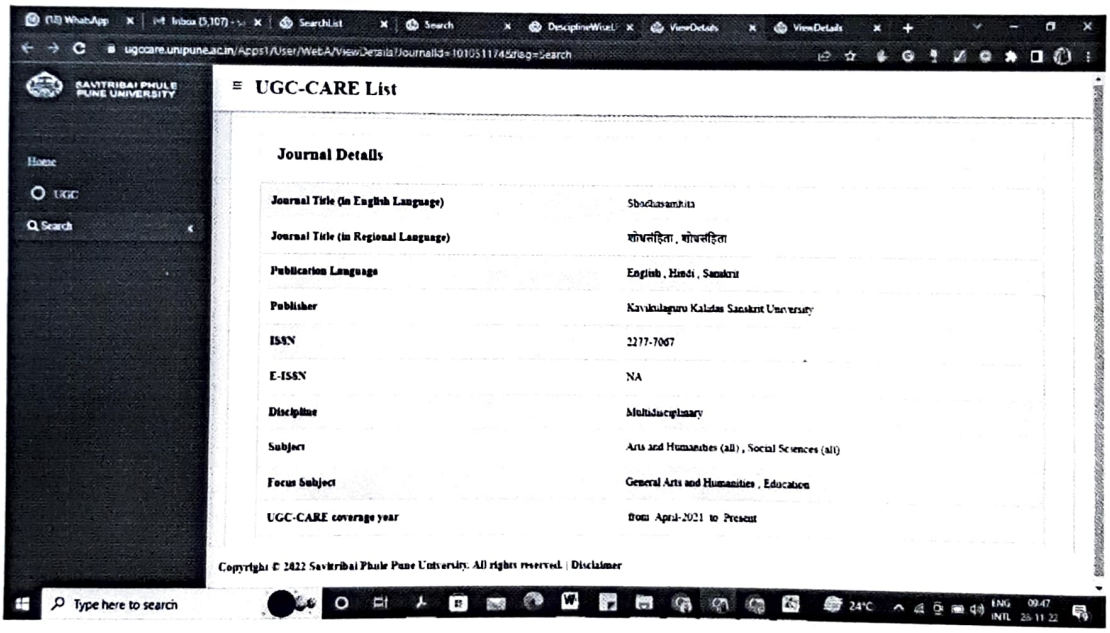


UGC-CARE List

			1837		April - 2022	April 2022
43	Scenario	Department of German and Department of Theater, University College Cork	1649-8526	NA	from June - 2019 to Present	View
44	Screen Bodies	Berghahn Journals	2374-7552	2374-7560	from June - 2019 to Present	View
45	Shodh Sanchar Bulletin (print only)	Shodh Sanchar Educational and Research Foundation	2229-3620	NA	from September - 2019 to April - 2021	Discontinued from April 2021
46	Shodh Sarita (print only)	Shodh Sanchar Educational and Research Foundation	2348-2397	NA	from September - 2019 to April - 2021	Discontinued from April 2021
47	Shodha	Ha Ma Na Research Centre, Shri Dharmasthala Manjunatheshwara College	2249-0398	NA	from June - 2019 to Present	View
48	Shodha Samiksha	Ratha Seva Pratishthanam	2249-5045	NA	from January - 2022 to Present	View
49	Shodhasamhita	Kavikulaguru Kalidas Sanskrit University	2277-7067	NA	from April - 2021 to Present	View
50	South Asia Chronicle	Humboldt- Universitat Zu Berlin	NA	NA	from July - 2020 to Present	View

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UGC-CARE List

Journal Details

Journal Title (in English Language)	Shodhasamhita
Journal Title (in Regional Language)	शोधसंहिता , शोधसंहिता
Publication Language	English , Hindi , Sanskrit
Publisher	Kavikulaguru Kalidas Sanskrit University
ISSN	2277-7067
E-ISSN	NA
Discipline	Multidisciplinary
Subject	Arts and Humanities (all) , Social Sciences (all)
Focus Subject	General Arts and Humanities , Education
UGC-CARE coverage year	from April-2021 to Present

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COMPUTER SCIENCE FOR ALL: THE FUTURE OF EDUCATION

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Abstract:

Knowledge in Computer Science (CS) is essential, and companies have increased their demands for CS professionals. Despite this, many jobs remain unfilled. Furthermore, employees with computational think-ing (CT) skills are required, even if they are not actual technicians. Moreover, the gender disparity in technology related fields is a serious problem. Even if companies want to hire women in technology, the number of women who enter these fields is remarkably low. In high schools, most teenagers acquire only low-level skills in CS. Thus, they may never understand the fundamental concepts of CS, have unrealistic expectations or pre- conceptions, and are influenced by stereotype-based expectations. Consequently, many teenagers exclude computing as a career path. In this research study, we present three promising concepts to overcome these challenges.

First, we consider alternative paths to enter the field of CS.

The second concept is MOOC. The MOOC has several target groups. First, this course can be used to encourage young women who have little to no previous knowledge in CS. Second, it should help all teenagers to get a more realistic picture of CS to its basic concepts. Third, teachers can use the course materials to lead high school classes (Open Educational Resources). Finally, the MOOC can be accessed by everyone interested in this topic, thus students of other majors can acquire CS skills.

Keywords: Computer Science Education, Digital Literacy, Technology Enhanced Learning, MOOC, Pocket Code.

1. Introduction

IT specialists are needed worldwide in order for businesses to be competitive in science and technology. Thus, there is a growing demand for IT professionals . On the one hand, the enrolment of