

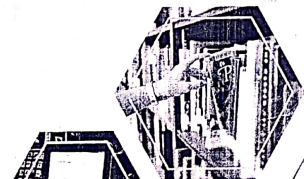
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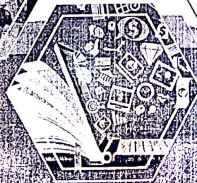
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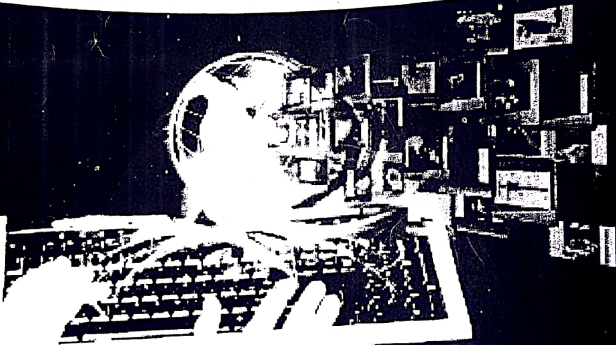


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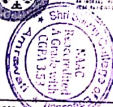
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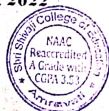
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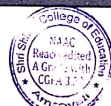


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K. Fukushima, H. Sato

We formulated a field theory in space-time elements, which are obtained by dividing the space-time continuum into arbitrary-shaped space-time elements, such as hyper-octahedra (orthoplexes), which are aligned locally periodically, without long-range order. Each field is expressed in terms of scalar expansion functions with relationally covariant coefficients. The cosmological constant was related to the cut-off energy of quadratic Higgs self-energy. From the μ jump, examinations find an experimental break in the cosmic ray energy spectrum called 'knee' at about 3 PeV, which agrees with this theoretical ultraviolet cut-off energy...

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IMPACT OF HOME ENVIRONMENT ON THE INCULCATION OF RELIGIOUS VALUES AMONG SECONDARY SCHOOL STUDENTS



Ashu
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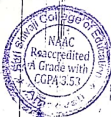
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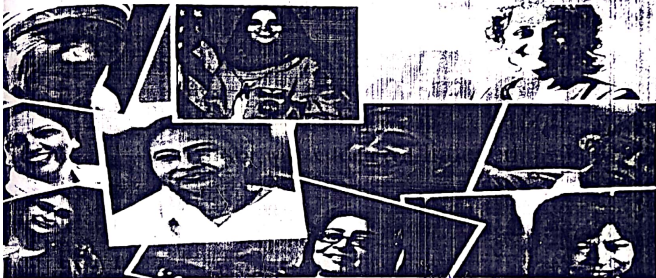
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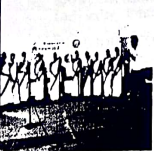
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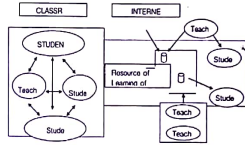
ABSTRACT

माहिती संप्रेषण तंत्रज्ञानाचा आज जीवनातील प्रत्येक क्षेत्रावरच नव्हे तर शिक्षण क्षेत्रावर जास्त प्रभाव पडलेला दिसून येतो. हे माहिती तंत्रज्ञानाच्या खालील व्याख्येवरून दिसून येते. माहिती संप्रेषण तंत्रज्ञानामध्ये जे घटक समाविष्ट होतात त्या घटकांच्या अनुषंगाने शिक्षणात अध्ययन, अध्यापन व इतर कार्यामध्ये सहाय्यकतु ठरणाऱ्या विविध संप्रेषणाच्या सेवासुविधांचा समावेश करणाऱ्या प्रणाली म्हणजे माहिती संप्रेषण होय. माहिती संप्रेषण तंत्रज्ञानाचा शिक्षणात खालीलप्रमाणे उपयोग होतो.

1) अध्ययन अध्यापन प्रक्रिया :-

माहिती संप्रेषण तंत्रज्ञानामुळे आज शिक्षण घेणाऱ्या व्यक्तीला फार मोठ्या प्रमाणावर फायदा होत आहे. कारण या तंत्रज्ञानामुळे शिक्षण घेणाऱ्यासाठी शिक्षणाची अनेक माध्यमे उपलब्ध झालेली आहेत. मुक्त विद्ययापीठे, दूर शिक्षण या माध्यमांच्या सहाय्याने संगणकातील वेगवेगळ्या सॉफ्टवेअरमधील ऑनलाईन सहाय्याने संगणक सहाय्यीत अनुदेशन या संगणकाच्या सॉफ्टवेअरच्या सहाय्याने संवाद, उजळणी, सराव, स्वयंअध्ययन तसेच टयुटोरियल सी.डी. च्या माध्यमातून अनेक विद्यार्थी स्वतःच्या आवश्यकतेनुसार, स्वतःच्या गतीने सवडीच्यावेळी अनेक घटकांचे अध्ययन करू शकतो. विविध गृहपाठ व स्वाध्याय संगणकाद्वारे विद्यार्थी आज पूर्ण करीत आहेत. संगणकाचा उपयोग केल्यामुळे आज आपल्याला विद्यार्थ्यांच्या उत्साहात व अध्ययन क्षमतेत खूप मोठ्या प्रमाणात वाढ झालेली दिसून येते. शिक्षक वर्गात शिकवित असतांना अनेक पाठ्यांश किचकट गुंतागुंतीचे असतात. परंतु संगणकाच्या विविध सॉफ्टवेअरमधील ऑनिमेशन ध्वनी, प्रतिभास या तंत्रांमुळे कठीण पाठ्यांश अधिक सोपे करून शिक्षकांना ते शिकविणे शक्य झाले आहे. पूर्वी अध्ययन हे व्याख्यात दिग्दर्शन असे केले जात होते. परंतु आज मल्टीमीडीयाच्या साधनांच्या माध्यमातून शिक्षकांना विद्यार्थ्यांना शिकविणे सोपे झाले आहे. आज शिक्षक जगभरातील संदर्भसाहित्याचा उपयोग इंटरनेटच्या माध्यमातून घेत आहेत. आज माहितीचा प्रस्फोट झालेला आहे. ज्ञानाच्या नवनवीन शाखा निर्माण झालेल्या आहेत. जगातील तंत्रज्ञ विचारद माहितीचे नियोजन करण्याच्या कामी लागलेले आहेत. यामध्ये माहिती संप्रेषण तंत्रज्ञानाच्या साधनांचा मोलाचा वाटा आहे. जगभरातील नवनवीन संशोधन, शिक्षणातील बदल इंटरनेटच्या माध्यमातून आज क्षणातच माहित होतात. माहिती संप्रेषण तंत्रज्ञानाच्या साधनांमुळे विद्यार्थी-शिक्षक, शिक्षक-शिक्षक, विद्यार्थी-विद्यार्थी अंतराक्रियेतून विविध अध्ययन साहित्याची स्थिती देवाण घेवाण झपाटवाने होत आहे. आजचा शिक्षक हा नवीनप्रक्रमातील असला पाहिजे. त्या अनुषंगाने शिक्षकांना स्वतःची संशोधने करताना इंटरनेट पृष्ठकरण, अभ्यासक्रमाची निर्मिती आराखडे तयार करण्यासाठी मार्गदर्शन

करण्यासाठी माहिती संप्रेषण तंत्रज्ञानातील साधनांचा उपयोग होतो म्हणूनच माहिती संप्रेषण तंत्रज्ञान अध्ययन अध्यापनास उपयुक्त आहे.



2) मूल्यमापन प्रक्रिया :-

माहिती संप्रेषण तंत्रज्ञान ही विद्यार्थी शिक्षकाच्या जीवनातील आवश्यक बाब बनली आहे. आज शिक्षकांना नवीन अभ्यासक्रमांनुसार अनेक गोष्टी कराव्या लागतात. जसे की मुलांच्या अनेक परीक्षा घेणे. घटक चाचणीपासून तर सत्र परिक्षेपर्यंत शिक्षकांना मुलांच्या अनेक चाचण्या घ्याव्या लागतात. एवढेच नव्हे तर मुलांचे संख्यात्मक आणि गुणात्मक मूल्यमापन सुद्धा करावे लागते. शिक्षकांना मुलांचे परीक्षांचे निकाल तयार करणे या सर्व गोष्टी संगणकांमुळे अत्यंत जलद गतीने सहज करणे शक्य झाले आहे. स्पर्धी परीक्षांमध्ये तर संगणक प्रररर उपयुक्त आहे. बारकोड या संकल्पनेमुळे व्यक्तीनिष्ठता संपुष्टात आलेली आहे. विद्यार्थ्यांना अनेक परीक्षा संगणकाच्या इंटरनेटच्या माध्यमातून जलद देता येतात. उदा. ऑनलाईन परीक्षा व स्वतःचे यश अपयश ताबडतोब पाहता येते आणि म्हणूनच मूल्यमापन स्वतःच्या यश अपयशातील दोष स्वतः पाहू शकतात. आज मुलांना स्वतःचे यश अपयश संगणकवर फाहावयास मिळते. माहिती संप्रेषण तंत्रज्ञानामुळे मूल्यमापन प्रक्रिया आज अधिक वस्तुनिष्ठ (पारदर्शक) झालेली दिसून येते.

3) व्यवस्थापन प्रक्रिया :-

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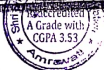
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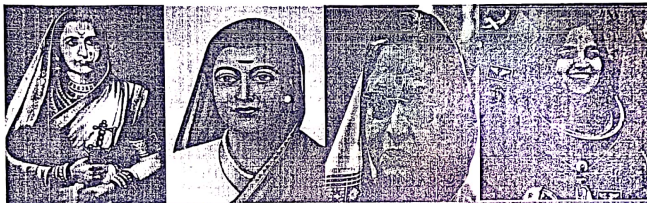
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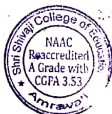
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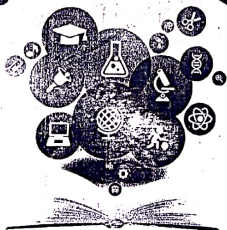


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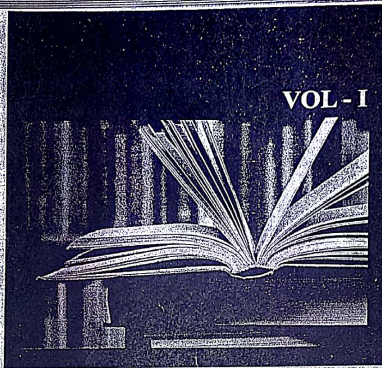
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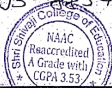
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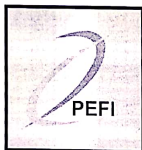
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ATTITUDE OF HIGH SCHOOL STUDENTS TOWARDS IMPACT OF MATHEMATICS LABORATORY IN LEARNING



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Abstract: The main objective of this study was to survey the extent of the use of laboratory approach to mathematics instruction in secondary schools of Amravati Division. Seven hundred high school students of VIII Standard were

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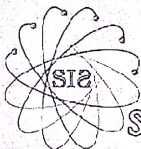
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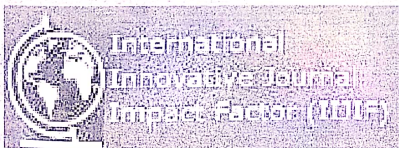
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