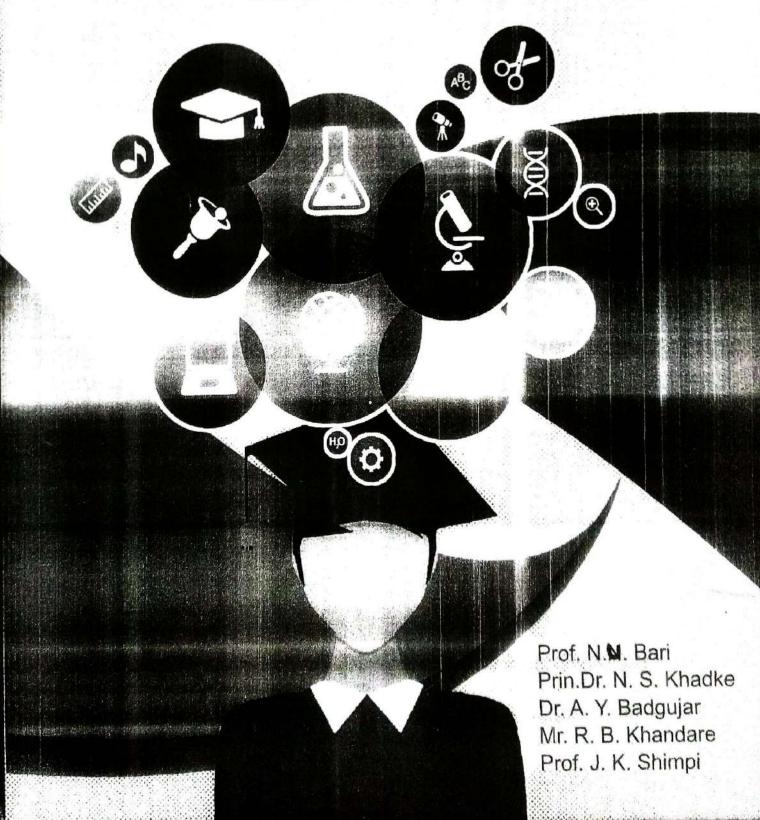


## HIGHER EDUCATION IN INDIA



		_	_	_							
A COMPARATIVE STUDY OF MOTOR FITNESS LEVEL BETWEEN THE STUDENTS OF RESIDENTIAL AND NON-RESIDENTIAL SCHOOL OF JALGAON DISTRICT	DEVELOPING MATHEMATICS INSTRUCTIONAL E-LEARNING MATERIAL AND STUDYING ITS EFFECTIVENESS FOR VI STD. STUDENTS OF MARATHI AND SEMI ENGLISH MEDIUM SCHOOLS IN LATUR DISTRICT	ROLE OF COMPUTER AND INFORMATION TECHNOLOGY450 Prof. Tulishiram P. Khadke, Jalgaon Dr. Varsha N. Khadake, Jalgaon	E-LEARNING APPROACH	PROBIOTIC: THEIR POTENTIAL TO IMPACT ON HUMAN HEALTH	उच्चिशक्षणाचे राष्ट्रीय विकासातील योगदान आणि सद्यकालीन स्थिती	विपश्यना और योगा यह तणाव कम करने की मनोवैज्ञानिक उपचार पद्धती है४४१ प्रा.व्ही.एन.रामटेके , ऐनपूर, जि.जळगाव	समकालीन सामाजिक शास्त्रातील संशोधनात तथ्य-प्रक्रियनाचे महत्त्व४३८ प्रा.दत्तराव उत्तमराव राठोड , जळगाव.	खानदेशचा इतिहास४३४ प्रा.जे.डी.गोपाळ , पाचोरा	व्यक्तिमत्व विकास व विषश्यना४३२ । राम गंगाधर वजीरे, औरंगाबाद	समानतेचे अग्रद्धतं तथागतं बुध्यः	गणित विषय के प्रति भय तथा अध्ययन आदतों में सुधार हेतु शैक्षिक निर्देशन की प्रभावित का अध्ययन और इन्दौर (म.प्र.)

## STUDENTS OF MARATHI AND SEMI ENGLISH MEDIUM SCHOOLS DEVELOPING MATHEMATICS INSTRUCTIONAL E-LEARNING MATERIAL AND STUDYING ITS EFFECTIVENESS FOR VISTO. IN LATUR DISTRICT

1.5.00% 848048983777

Dr. Babasaheb Ambedkar Marathwada University Aurangabad

Dr. Suhas S. Pathak

Prof. Anita Suresh Jave

Sadguru Education Society's, College of education Jalgaon

roles in changing how teachers teach and how students motivation to the students to learn new concepts in But such type of experiences is very essential for giving give direct experiences to the students in classroom. material is to deliver the content or information through relative instruction devices like computer, mobile, internet Mathematics. The main purpose of instructional e-learning computer applications. television, CD, DVD and pen drive through the help of The instructional e-learning material plays important We all teachers know that it is very difficult to

Keywords: e-learning, Mathematics

### Introduction

roles of teachers have moved from being "informer" to changing roles of teachers should be brought about by the use of e-learning strategies in schools. The changing level. Instructional e-learning material will also create a effectiveness of learning process will increase to a great material in classroom for teaching and learning, material on basis of individual self placed e-learning offline becoming "facilator". For present research researcher good learning environment which will help the students module. If teachers starting to use instructional e-learning has prepared Mathematics instructional e-learning A new UNESCO publication (2009) report that the

# Objectives of Research Study

- VI Std. students studying in Semi English To develop instructional e-learning material for
- VI Std. students studying in Marathi medium To develop instructional e-learning material for
- students of Semi English medium. instructional e-learning material for VI Std. To find the effectiveness of the developed
- students of Marathi medium. instructional e-learning material for VI Std. To find the effectiveness of the developed

# Hypothesis of Research Study

## Research hypothesis

- The Mathematics instructional e-learning material more effective than the traditional teaching Std. students of Semi English medium will be when used as a method of instruction on VI
- The Mathematics instructional e-learning material when used as a method of instruction on VI

J. 1. 1. 1.

effective than the traditional teaching methods. Std. students of Marathi medium will be more

- The Mathematics instructional e-learning Material is effective for VI Std. students of Semi English
- The Mathematics instructional e-learning Material is effective for VI Std. students of Marathi

### b) Null hypothesis

- There is no significant difference between preexperimental group of Semi English medium. all achievement levels (high, test and post-test scores of VI Std. students on average, low) of
- There is no significant difference between average, low) of control group of Semi English students on all achievement levels (high, obtained pre-test and post-test scores of VI Std.
- obtained post-test scores of VI Std. students on all achievement levels (high, average, low) of experimental and control group of Semi There is no significant difference between
- There is no significant difference between average, low) of experimental group of Marathi students on all achievement levels (high, obtained pre-test and post-test scores of VI Std medium.
- There is no significant difference between average, students on all achievement levels (high, obtained pre-test and post-test scores of VI Std low) of control group of Marathi
- There is no significant difference between obtained post-test scores of VI Std. students on all achievement levels (high, average, low) of experimental and control group of Marathi
- There is no significant difference between of Semi English medium and Marathi medium on all achievement levels (high, average, low) of experimental group. obtained post-test scores of VI Std. students

(High, average, low). instructional e-learning material and achievement level in term of post-test and independent variables are In present research dependent variable is test score

# Methodology of Research Study

By using purposive sampling method the researcher has out of them 100 students from Semi English medium city. And these groups are equally divided in to four groups selected and 100 students from Marathi medium for the research The present research has experimental research 200 students' four schools of Latur

# Tools and Technique Used for Research Study

opinionnarie for student and teachers, achievement test analysis researcher has used statistical technique for and mental arithmetic test for data collection. For data present research researcher has used

### Main findings

- e-learning material has comparatively effective than traditional teaching method for VI average, low) of Semi English medium. students on all achievement levels (high, Teaching Mathematics through instructional
- has effective for VI Std. students on all Mathematics instructional e-learning material achievement levels (high, average, low) of Semi English medium
- than traditional teaching method for VI e-learning material has comparatively effective Teaching Mathematics through instructional average, low) of Marathi medium. students on all achievement levels (high,
- achievement levels (high, average, low) of Mathematics instructional e-learning material Marathi medium. has effective for VI Std. students on all
- relevant, clear, appropriate and arranged Content of instructional e-learning material has
- has easily readable and properly explained. instructional e-learning material for each slide The images and text presented in mathematics
- Mathematics develop student's interest in learning Colour, animation and videos will be help to
- and assignment appropriate for learning Explanation for every chapter has meaningful objectives

- new user or learner assessable and user guide will be helpful for instructional e-learning material has easily overall embedded Mathematics
- e-learning material has related to Mathematics The content used in Mathematics instructional VI Std. text book.
- concept repeatedly and chapter become easier learning material teacher can easily show hard With the help of Mathematics instructional e-
- student about content. e-learning material reduced the burden of Teaching through Mathematics instructional
- opportunities to interactive with students. skills in Mathematics subject creating more Mathematics instructional e-learning materials learning activity will be improves knowledge,
- student and developing their subject interest will be helpful to increase achievement of the Mathematics instructional e-learning material
- and learning for of VI Std has effective tool for Mathematics teaching Mathematics instructional e-learning material

#### Conclusion

to use Mathematics instructional e-learning material in the classrooms teaching for VI Std. students in a effective this field will definitely help the teachers to know how students and it requires lot of research. The research in e-learning material in the classroom teaching for VI Std. has become necessary to use Mathematics instructional and efficient way. It can be concluded from the present study that it

#### References

Derek Stockley (2003, "E-learning definition", EI Magazine, El volume 2 Issue7, Sydeny
Jagtap H.N. (2003), "AshayYuktAdhyapanPaddhatiGanit",
NiyanutanPrakashan, Pune.
Maharashtra State Board of Secondary and Higher Secondary

Education 6th std Mathematics.

Mule R.S. &Umathe V.T. "ShaishnikSunshodhanachiMultatve" Aurangabad. VidyaBooks (1987),

shodhganga.inflibnet.ac.in

www.thefreemath.org
Zeitoun, H. (2008) E-learning: Concept, Issues, Application,
Evaluation, Riyadh: Dar Alsolateah publication.

...