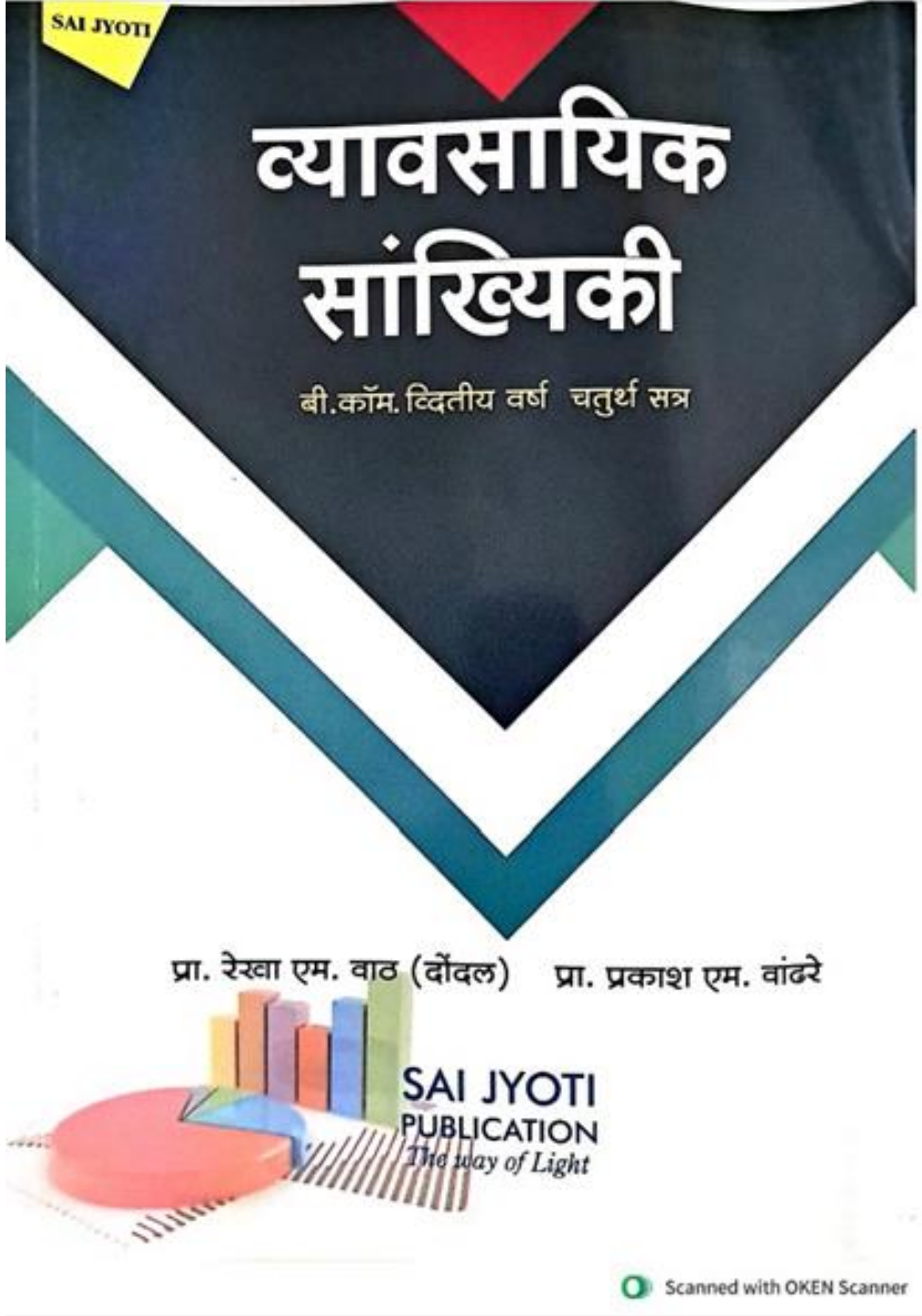


**Book/Book Chapter/Paper Published in
Conference Proceedings
2018**

Rekha M.Wath : Vyavsaik Sankhyaki



विद्यापीठ अनुदान आयोगाच्या शिफारशीनुसार, संत गाडगेबाबा अमरावती विद्यापीठ बी.कॉम. द्वितीय वर्ष चतुर्थ सत्राकरिता सुधारीत अभ्यासक्रमानुसार लिहिलेले पाठ्यपुस्तक, तसेच महाराष्ट्रातील सर्व विद्यापीठांच्या वाणिज्य विद्याशाखेकरिता उपयुक्त

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अनुक्रमणिका

	युनिट - १	
१.	सांख्यिकीची मूलतत्त्वे.....	१-७
	Statistics & Measures of Central Tendency	
२.	सामुग्री संग्रहण.....	८-१२
	Collection of Data	
३.	सारणीयन आणि वर्गीकरण.....	१३-१८
	Tabulation and Classification	
	युनिट - २	
४.	निर्देशांक	१९-४३
	Index Number	
	युनिट - ३	
५.	सांख्यिकीय पदमाला (वारंवारता वंटन).....	४४-६०
	Frequency Distribution	
६.	केंद्रीय प्रवृत्तीची परिणामे.....	६१-१२८
	Measures of Central Tendency	
	युनिट - ४	
७.	अपक्षरण.....	१२९-१९८
	Dispersion	
८.	वियमता.....	१९९-२२०
	Skewness	
	युनिट - ५	
९.	सहसंबंध.....	२२८-२८५
	Correlation	
	वस्तुनिष्ठ प्रश्न	२८६-२९६





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३१ वर्षांचा शैक्षणिक अनुभव
इंदिरा महाविद्यालय, कळंब (जि. यवतमाळ) येथे वाणिज्य विभाग प्रमुख
अनेक राज्य व राज्यस्तरीय परिषदेत शोधनिबंध प्रकाशित



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ISBN-978-93-88708-02-9



Rs. 375/-

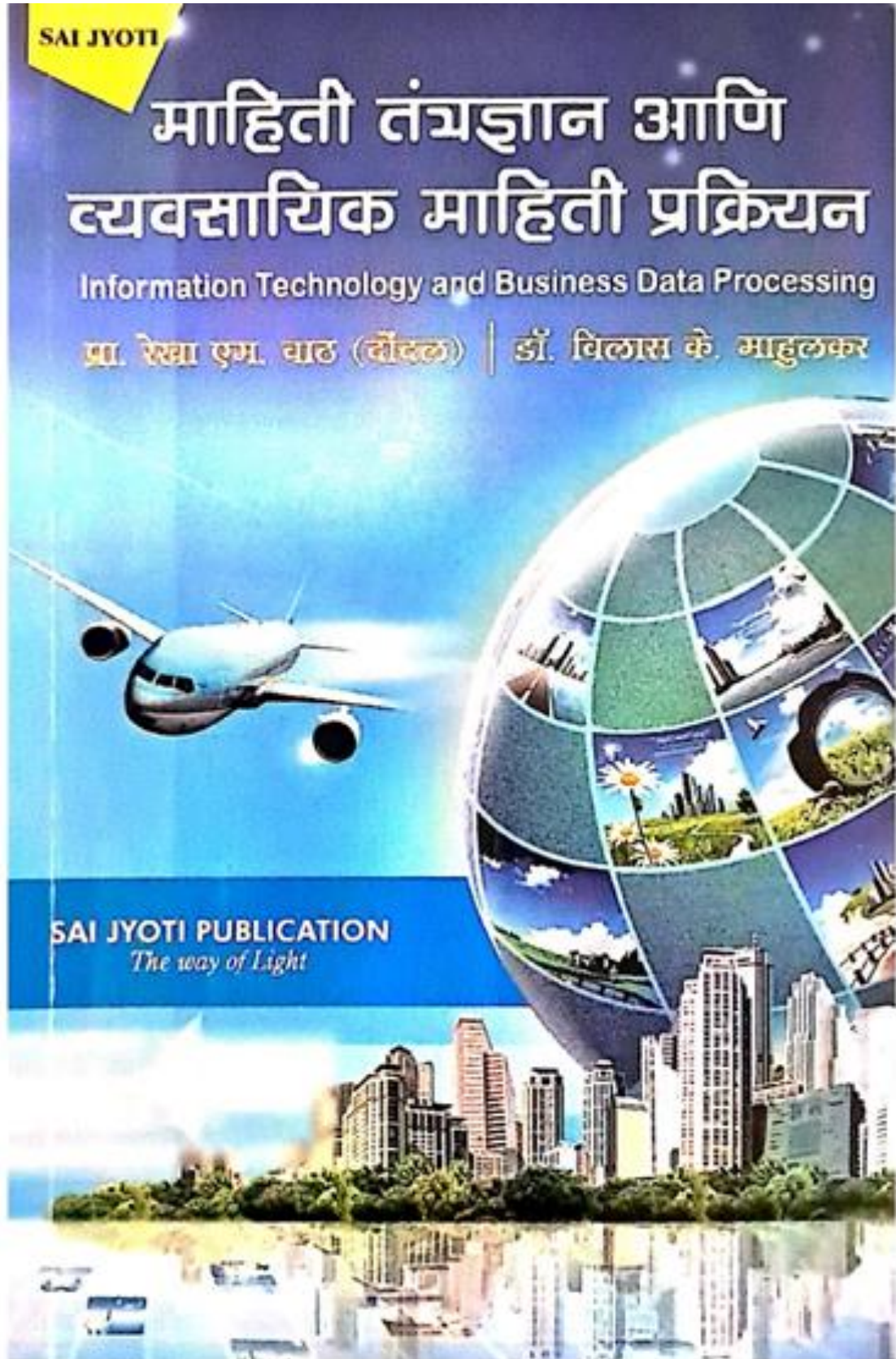


Published by : SAI JYOTI PUBLICATION
Behind Chawla Sadi Center, Tin-nal Chowk, Kasarpura, Itwari, Nagpur - 440002.
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युनिट - १

१. डेटा आणि डेटा प्रक्रियन.....१-२५
(Data & Data Processing)

युनिट - २

२. डेटाबेस.....२६-६४
(Database)

युनिट - ३

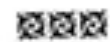
३. डेटाबेस मॅनेजमेंट सिस्टम (डीबीएमएस).....६५-९३
(Database Management System)

युनिट - ४

४. मायक्रोसॉफ्ट एक्सेल.....९४-११९
(Microsoft Excel)

युनिट - ५

५. एक्सेलमध्ये ग्राफ व सुत्रांचा वापर.....१२०-१६१
(Use of Formula and Chart in Excel)





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ISBN-978-93-86011-72-5



Rs. 195/-



Published by : SAI JYOTI PUBLICATION
Behind Chawla Sadi Center, Tin-nal Chowk, Kasarpura, Itwari, Nagpur - 440002.
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प्रकाशक व मुद्रक : रंगराव पाटील

कार्यालय : प्रशांत पब्लिकेशन्स, ३, प्रताप नगर, श्री संत ज्ञानेश्वर मंदिर रोड,

नूहन मराठा महाविद्यालयजवळ, जळगाव ४२५००१.

दूरध्वनी : (०२५७) २२३५५२०, २२३२८००

ईमेल : prashantpublication.jal@gmail.com

प्रथम आवृत्ती : सप्टेंबर, २०१८ ISBN : ९७८-९३-८८११३-११-३

अक्षरजुळवणी / प्रशांत पब्लिकेशन्स मूल्य : ₹ २९५



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अनुक्रमणिका

- १) मानसशास्त्रीय प्रयोग..... ०९
प्रस्तावना, अर्थ, उद्देश, प्रयोग करण्यासाठी आवश्यक बाबी, प्रयोगातील महत्त्वपूर्ण घटक - अ) परिवर्तके ब) समूह.
- २) मानसभौतिकी..... १७
स्थिर उद्दीपक पद्धती- प्रयोगकर्ता/प्रयुक्ताची माहिती, समस्या, साहित्य, प्रस्तावना, मानसभौतिकीमधील समस्या, कृती, दक्षता, आत्मनिरीक्षण, निष्कर्ष. सीमा पद्धती- प्रयोगकर्ता/प्रयुक्ताची माहिती, समस्या, साहित्य, प्रस्तावना, मानसभौतिकीमधील मुलभूत संज्ञा, मानसभौतिकीच्या पद्धती, कृती, सुचना, दक्षता, आत्मनिरीक्षण, निष्कर्ष. सरासरी प्रमाद पद्धती- प्रयोगकर्ता/प्रयुक्ताची माहिती, समस्या, साहित्य, प्रस्तावना, मानसभौतिकीमधील मुलभूत संज्ञा, मानसभौतिकी प्रमाद किंवा दोष. मानसभौतिकी पद्धती, कृती, सुचना, दक्षता, आत्मनिरीक्षण, निष्कर्ष.
- ३) संवेदन ३४
दृष्टीपटलावरील रंगक्षेत्रे- प्रयोगकर्ता/प्रयुक्ताची माहिती, समस्या, साहित्य, प्रस्तावना, दृष्टीवेदनानुभव आणि त्याचे गुणधर्म, कृती, सुचना, दक्षता, आत्मनिरीक्षण. रंगपसंती-प्रयोगकर्ता/प्रयुक्ताची माहिती,समस्या, साहित्य, प्रस्तावना, युग्म तुलना पद्धती, रंगाची वैशिष्ट्ये, कृती, सुचना, दक्षता, आत्मनिरीक्षण, निष्कर्ष. समकालीन रंग विरोध- प्रयोगकर्ता/प्रयुक्ताची माहिती, समस्या, साहित्य, प्रस्तावना,रंगविरोध, सवर्ण रंगविरोध, कृती, सुचना, दक्षता, आत्मनिरीक्षण, निष्कर्ष. पश्चात प्रतिमा -प्रयोगकर्ता/प्रयुक्ताची माहिती, समस्या,साहित्य,प्रस्तावना,दंड व शंकू,पश्चात प्रतिमा, कृती, सुचना, दक्षता, आत्मनिरीक्षण, निष्कर्ष. ध्वनीची स्थान निश्चिती- प्रयोगकर्ता/प्रयुक्ताची माहिती, समस्या, साहित्य, प्रस्तावना, ध्वनी उद्दीपकाची वैशिष्ट्ये, कृती, सुचना, दक्षता, आत्मनिरीक्षण, निष्कर्ष. संवेदन संघटन- प्रयोगकर्ता/प्रयुक्ताची माहिती, समस्या, साहित्य, प्रस्तावना, संवेदन संघटन, कृती, सुचना, दक्षता,आत्मनिरीक्षण, निष्कर्ष. म्युलर-लायर भ्रम-प्रयोगकर्ता/प्रयुक्ताची माहिती, समस्या, साहित्य, प्रस्तावना, भ्रम आणि विभ्रम यामधील फरक, भ्रमाचे प्रकार, सामान्य भ्रम व असामान्य भ्रम यामधील फरक, कृती,



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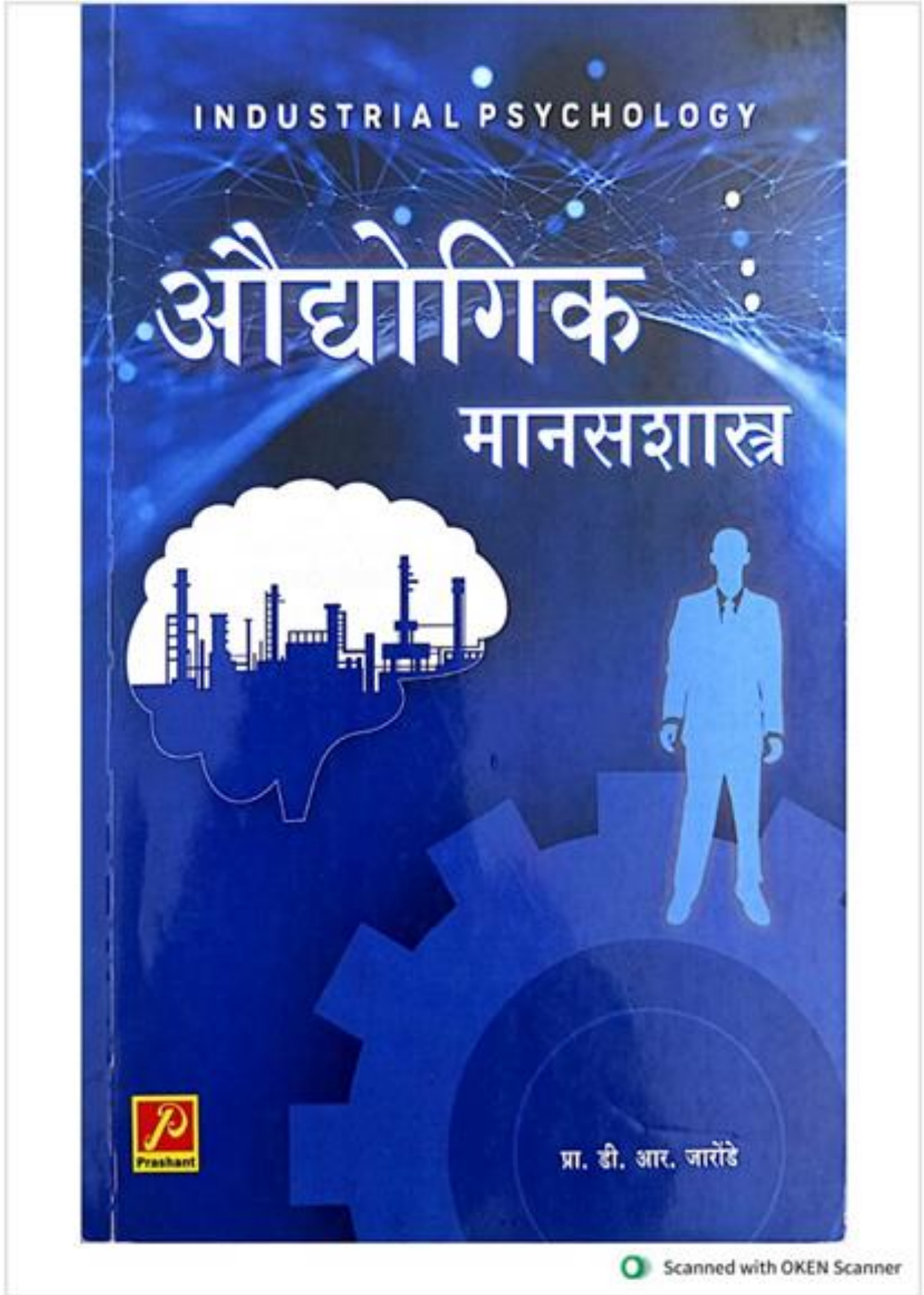
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नूतन मराठा महाविद्यालयान्वळ, जळगाव ४२५००१.

दूरध्वनी : (०२५७) २२३५५२०, २२३२८००

ईमेल : prashantpublication.jal@gmail.com

प्रथम आवृत्ती : सप्टेंबर, २०१८ ISBN : ९७८-८१-९३६९२०-८-०

अक्षरनुकळणी : प्रशांत पब्लिकेशन्स मूल्य : ₹ ३५०



या पुस्तकातील कोणताही मजकूर, कोणत्याही स्वरूपात वा माध्यमात पुनर्प्रकाशित
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Industrial Psychology
प्रस्तावना, व्याख्या, औद्योगिक मानसशास्त्राचा इतिहास, औद्योगिक मानसशास्त्राची व्याप्ती - १) कर्मचारी २) पर्यवेक्षक ३) व्यवस्थापक ४) यंत्रसामुग्री ५) भौतिक वातावरण; औद्योगिक मानसशास्त्राची कार्ये - १) कर्मचारी निवड २) उत्पादनक्षमता ३) विकास ४) प्रशिक्षण ५) यंत्रे ६) व्यवस्थापन ७) मार्गदर्शन; औद्योगिक मानसशास्त्राची मुलभूत तत्वे
- २) कार्य मूल्यांकन २८
Work Evaluation
प्रस्तावना, व्याख्या; कार्य मूल्यांकनाची उद्दिष्टे - १) भविष्यकालीन नियोजन २) वेतन ३) नियुक्ती ४) बदली ५) बदली ६) पुनर्भरण ७) प्रशिक्षण ८) इतर लाभ ९) प्रलोभन १०) निवडप्रक्रिया वेधता ११) वैयक्तिक भेद; कार्य मूल्यांकन समिती - १) कार्यमाहिती मिळविणे २) माहितीची तपासणी करणे ३) कार्याचे मूल्यमापन करणे ४) इतर व्यवसायाची तपासणी करणे ५) नवीन कार्याचे मूल्यमापन करणे ६) कार्यक्रम राबविणे; कार्य मूल्यांकन पद्धती - अ) व्यक्तिनिष्ठ मापन पद्धती - १) श्रेणी पद्धती २) निबंध पद्धत ३) आलेखश्रेणी मापन पद्धत ४) गट तुलना पद्धत ५) प्रसंगाआधारीत मापन पद्धत ६) प्रश्नावली पद्धत ७) वर्तन मापन पद्धत; ब) वस्तुनिष्ठ मापन पद्धती - १) उत्पादकतेचे प्रमाण २) संघटनेच्या नियमाशी बांधिलकी ३) उत्पादकतेचा दर्जा ४) स्वभाव गुण ५) नवीन मापनतंत्राचा उपयोग; कार्य मूल्यांकन घटक - १) पद २) कार्यपद्धती ३) सामाजिक परिस्थिती
- ३) कर्मचारी निवड ४०
Personal Selection
प्रस्तावना; निवड प्रक्रियेतील घटक - १) पदाची संख्या २) कामाची स्थिती ३) मागणी ४) उमेदवाराची आवश्यकता; निवड प्रक्रियेतील पद्धती - १) कार्य विश्लेषण २) नेमणूक निर्णय ३) निवड तंत्र; निवडदात्यांची वैशिष्ट्ये - १) वस्तुनिष्ठता २) नैतिकता ३) कुशल ४) विशेष तज्ञ ५) अनुभवी ६) योग्य व्यक्तीमत्त्व ७) बुद्धिचातुर्य ८) वैचारिकता; निवड प्रक्रियेतील स्रोत -



रशियामध्ये १९२० पासून औद्योगिक मानसशास्त्राला सुरवात झालेली दिसून येते. औद्योगिक परिस्थितीमध्ये कर्मचाऱ्यांचे स्वास्थ्य कसे बांगले राहू शकते या दृष्टीने प्रयत्न केल्या गेले. कर्मचाऱ्यांचा एकंदरीत विकास साधला जावा, त्यातही व्यक्तीमत्त्व विकास व्हावा यासाठी मध्यवर्ती संस्थेतर्फे कार्य केल्या गेले. भारतात १९१९ मध्ये औद्योगिक मानसशास्त्राला सुरवात झालेली दिसून येते. या संदर्भाने याच वर्षात मानसशास्त्र विभागाला सुरवात केल्या गेली. सबस्थितीत वाढत्या कामाबरोबर वाढणारा ताण

औद्योगिक मानसशास्त्रामधील संशोधनाचा विषय झालेला आहे. कर्मचाऱ्यांच्या प्रेरणा वाढलेल्या आहे, त्यामुळे सर्वच दृष्टीकोनातून औद्योगिक मानसशास्त्र उद्योगाच्या एकूण समस्यांचे निराकरण करणारे शास्त्र ठरते तसेच उपयोजनात्मक साधन ठरत असल्याचे दिसून येते.

सबस्थितीत उद्योगाचे जाळे मोठ्या प्रमाणात विस्तारले आहे. त्याचबरोबर त्या उद्योगामध्ये स्थित व्यक्तीत चिंता, ताणतणाव, नैराश्य, संघर्ष, वैफल्य इत्यादींचे प्रमाण सुद्धा वाढत आहे. यावर उपाय करायचा असेल तर उद्योगामधील प्रत्येक घटकाचा मानवी मनाला, वर्तणुकीला केंद्रस्थानी ठेवून अभ्यास करणे गरजेचे आहे म्हणूनच या पुस्तकाचा उद्योगामधील कर्मचारी, व्यवस्थापक, संचालक, पर्यवेक्षक, प्रशिक्षक मार्गदर्शक इत्यादींना याचा फायदा होणारच आहे तसेच उद्योग क्षेत्रात 'करियर' करू इच्छिणाऱ्या विद्यार्थ्यांना तर हे पुस्तक महत्त्वाचे मार्गदर्शकच ठरणार आहे.

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संघर्षाची पार्श्वभूमी

भारतीय वायूसेनेत एक सामान्य वायुसैनिक म्हणून कार्यरत असताना वेगवेगळ्या मानवी प्रवृत्तींचं, राजकारणाचं जवळून निरीक्षण करता आलं. माजी पंतप्रधान मा. राजीव गांधींच्या हत्येनंतर मा. पी.व्ही. नरसिंहराव पंतप्रधान झाले. त्यांच्या सरकारने कार्यकाळ जरी पूर्ण केला तरी अनेक समस्या भेडसावत होत्या. त्यांच्यानंतर मा. व्ही.पी. सिंग, मा. चंद्रशेखर ही मंडळी पंतप्रधानपदी व मा. देवलाल हे उपपंतप्रधानपदी आरुढ झाले. त्यांनंतरही बराच काळ अस्थिरताच राहिली. सरकार अस्थिर असेल तर समस्या सर्वच क्षेत्रात कशा चारही दिशांनी आक्रमण करतात, ते या देशाने अनुभवलं.

अशा परिस्थितीत कुठलंही संवेदनशील मन पेटून न उठलं तर नवल! ज्या देशासाठी आपण आपले प्राण त्यागण्यासाठी तयार असतो, त्याच देशाचे राज्यकर्ते, सत्ताधारी, शासकीय अधिकारी मुडद्यांच्या टाळूवरील लोणीही खायला कमी करित नाहीत, ही वस्तुस्थिती पाहिली आणि लेखणी पेटली, ती संघर्षाच्या रूपाने. पण हा संघर्ष पूर्ण होत नाही. तो सतत सुरूच असतो सत्ताधाऱ्यांच्या विरोधात, राजकारण्यांच्या विरोधात, समाजातील अनिष्टांच्या विरोधात.

जाती, पंथ, धर्म हे भेदाभेद या देशाच्या पाचवीलाच पुजलेले; पण येथे त्या पलीकडे जाऊन जाऊन विचार करणारं मन आहे. 'माणूस' म्हणून उदात्त विचारांचा स्वीकार आहे. भावभावनांच्या पातळीवर वाहावत जाणारं युवामन, पण त्याच बरोबर कर्तव्याची जाणीव सदैव जागृत ठेवून लढणारं परिपक्व मन येथे चित्रित केलं आहे. या कादंबरीतील 'मी' हा प्रातिनिधिक आहे. या 'मी'चा संघर्ष सतत सुरू राहावा, त्याकरिता जनसामान्यांनी 'मी' व्हावं, म्हणून हा खटाटोप!

दि. १ मे, २००४

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(ह्या कादंबरीचे कथानक आणि पात्रे काल्पनिक असून कथानकाचा सत्यघटनांशी आणि पात्रांचा जिवंत वा मृत व्यक्तींशी तंतोतंत संबंध जोडणे उचित होणार नाही. सोयीस्करपणे आपल्याला हवा तिथे, हवा तसा वाचकांनी संदर्भ जोडावा आणि अशक्यप्राय वाटणाऱ्या घटना व पात्रे काल्पनिक समजावीत.)

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प्रस्तावना

तेराव्या शतकाच्या अखेरीस खऱ्या अर्थाने महाराष्ट्रात संत चळवळ सुरू झाली. यादवांच्या राजवटीतील चैनविलासात दंग असलेल्या रामदेवरावांचा हा काळ होता. भरभराटीचा काळ संपून तिला ओहोटी लागली होती. शके १२१६ तील अल्लाउद्दीनची स्वारी या अधोगतीला विशेष कारणीभूत झाली. अल्लाउद्दीनची धाड येण्यापूर्वी कर्नाटक, कोंकण इत्यादी बहुतेक सर्व प्रांतांतून मांडलिक राजे बेलगाम होऊन सम्राट सत्ता फक्त नावाला उरली होती.

इस्लामच्या स्वाऱ्या आणि युद्धे यांमुळे येथील उमराव वर्गाची खच्ची झाली. अभिजनवर्गही निष्प्रभ झाला. त्यांच्यापैकी मोठा वर्ग दक्षिणेकडे आश्रयार्थ गेला. खिलजीच्या आक्रमणानंतर तीन शतके म्हणजे शिवाजीचे राज्य येईपर्यंत महाराष्ट्रात इस्लामचे अधिराज्य होते. मुस्लीम राज्यकर्ते आणि त्यांची प्रजा ही परस्परांहून धर्म, संस्कृती, भाषा, कायदा या गोष्टींमध्ये सर्वस्वी भिन्न होती. यादवांचे राज्य

**Prof. N.R. Thawale: Critical Analysis of Various Legislations Relating to
Critical Analysis of Various Legislations Relating to Protection of Disabled Persons in
India**

ISBN 978-81-925945-5-2

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	From The Bench of Editor		5
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Critical Analysis of Various Legislations Relating to Protection of Disabled persons in India

- Prof. N.R. Thawale
Asso. Professor
Indira Mahavidyalaya,
Kalamb, Dist.Yavatmal (M.S.)

1. Introduction :

Since antiquity, society has detected disabilities arising out of obvious deficits in anatomical structures, sensory functions and intellectual developments amongst its members. These disabilities debarred the affected persons from participating in the mainstream of social life. There are 600 million persons with disabilities in the world today. 80% of them live in developing countries. A staggering 90 million people in India are disabled. That's almost one in every ten. This number illustrates that still 600 million persons with disabilities are being prevented from contributing to the world society (whether socially or economically) because of the barrier called disability.

However, there has been a shift in international thinking on disability from largesse-based perspective to rights-based perspective. The world for and of the disabled is changing at a rapid pace and the aspirations as well as expectations of people are also changing as fast. Advances in medical and surgical sciences, breakthroughs in technology, greater understanding of the causes of disability and improved methods of coping with it, increasing consciousness of civil rights and the emergence of people with disabilities displaying skills and knowledge to improve their own lives, are some of the factors which have contributed to the new thinking. It is now recognized that the disabled deserve a dignified status in society on the same terms as the non-disabled. Disabled people are a vast minority group, which has been subjected to direct and indirect discrimination for centuries in most countries of the world, including India.

The human rights movement has boldly and categorically shifted the attention of policy-makers from the mere provision of charitable services to vigorously protecting their basic right to dignity and self-respect. In the new scenario, the disabled are viewed as individuals with a wide range of abilities and each one of them willing and capable of utilizing his/her potential and talents. Society, on the other hand, is seen as the real cause of the misery of people with disabilities since it continues to put numerous barriers as expressed in education, employment, architecture, transport, health and other activities. However our parliament has enacted various legislations for the benefit and protection of disabled persons in India; let us briefly discuss these provisions.

2. Various Legislations and Position of Disabled Persons :

The Medical Termination of Pregnancy Act, 1971 specifically provides that pregnancies of women may be terminated if there is a substantial risk that if the child were born, it would suffer from such physical or mental abnormalities as to be seriously

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Research Productivity of Faculty Members in the Department of Applied Mechanics, VNIT, Nagpur: A Bibliometrics Study

- Prof. D.S. Patil

Asso. Professor

Indira Mahavidyalaya,

Kalamb, Dist. Yavatmal (M.S.)

Abstract

This paper focuses on Research productivity of faculty members in department of Applied Mechanics VNIT Nagpur, Proposed research, Objective of the study, Hypothesis of the study, Scope and limitation of the study, Research methodology, Review of literature, Author Productivity: Language wise productivity, Designation wise productivity, subject and Gender wise productivity, Year wise productivity & key authors, Bradford's Law, Lotka's Law, Prices square root law, Authorship Patters, Major findings and Implications.

Introduction

Faculty adds to the knowledge bases of their fields by doing research and communicating findings in a variety of published formats, which differ according to field. Teachers and research scholar's need information for keeping up with new developments, to get acquainted with the state of art and to provide the background information for preparing to produced new information. The publication of the information gathered by the faculty is a prestige to the institution. It is necessary for the institution to make aware outside world about their output. Mankind is an Individual in its mode of output as in the substance of its thoughts. Printed papers and books label one of the methods of measuring the output of institution in the form of original ideas with the names of its authors, publications then are observable phenomenon that can represent scholarly productivity (Soman, 2002).

Research and development, demonstration, up-scaling and commercialization in the field of modern engineering and technology have positions themselves in the driving seat both in the developed and developing countries during 21st century. The field of engineering and technology is being promoted in the country keeping in view its enormous potential to improve various engineering applicable branches to create opportunities for employment generation and to add to the economic progress of the nation through environmentally sustainable industrial development. The rapid technological development and the exponential growth of information have changed the traditional concept of Engineering field.

Proposed Research

Many information faculty members have used different terms for bibliometric studies. The pioneering work was statistical analysis of the literature by Cole and Eagles in 1917, Second attempt was made by Hulme in 1923. Heused the term "Statistical bibliography to refer the application of quantitative techniques to libraries. He defined statistical

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Judicial Reporting in Dr. B.R. Ambedkar Newspaper

- Prof. P.S. Jawade
Asso. Professor
Indira Mahavidyalaya,
Kalamb, Dist.Yavatmal (M.S.)

DR. B.R. Ambedkar has started Mooknayak in 31st Jan 1920 in that role of Newspaper and periodicals most important for Backward society. Its best solution against non judicial planning in India.

Newspaper will developed our future no one can do it without Newspaper It gives Justice to common people in India.

This instruction to us, which public media has created by Dr. B.R. Ambedkar its more effected on Judicial procedures.

When Dr.B.R. Ambedkar were process in Indian constitution that time he gave priority to fundamental Rights and personal freedom in article 19, (1) A this included in Indian constitution and gave freedom of Speech. Then Ambedkar has started Bahishkrit Bharat,

3rd April 1927 in Bombay about Judicial reporting Bahishkrit Bharat in 6th may 1927 Article is important for Judicial procedure in India. In Mahads News, Natural and fundamental rights envolved by Savama Hindu. But Ambedkar had conflicted against it, and given authority to Backward people In India.

This report goes to Madras Court untouchability and its culture its supposed to illegal.

All description has given in Bahishkrit Bharat whole Judicial in that News. Bahishkrit Bharat 3rd Jun 1927th of 5th periodical 5th issue today's problem backward Rights and fundamental Rights has Judicial support and integrated freedom for marriage and Inter cast marriage and religious activity and today all accepted us. Providing the universal facility its legal issue when we have legal rights, We should co-operate to all of them.

Ambedkar has given legal and Judicial news in the Bahishkrit Bharat. 29th Jun 1927 Bahishkrit Bharat periodical 9th issue is important its followed : One of the Hindu women's exploitation from landowner second one example is that shashimohan names one young Hindu has killed a man in personal matter.

But, Kolkata high court has declare shashimohan is non- criminal in report of court.

Its best example for non Judicial court in India according to Dr.B.R. Ambedkar.

Bahishkrit Bharat 4th Nov 1927 14, 15 and 16th Judicial issue:

In Bombay varali Girls marriage with marutis statue its done by Brahmin and Bhatt in the temple it news that time.

There was a Girija Shankar Shivdas he had complain to police against Bhatt and Brahmin its not well act for women in society.

Its biggest superstition in society untouchability is illegal and there should be Justice for all human Equality and needs of fundamental rights, that issue, News published by Dr.Ambedkar. Second one five line of News published in that periodical, News of Lahor, is that Pandit Bhagatram names one mean Brahmin was doing illegal act with animal he caughted by police.

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Computer in Education

An Important Step towards Technology

- Prof. N.V. Narule

Asst. Professor

Indira Mahavidyalaya,

Kalamb, Dist.Yavatmal (M.S.)

Abstract :

Computers are the most empowering tools to be used in almost all areas of today's technological world. They're tools of creativity, communication and can be used according to user need for various purposes. Computers are widely used in education also; no one can challenge the use of computers in education. The Information and Communication tools developed for teaching and learning process helps a lot in changing traditional teaching methods and improving learning ability of a students. Many tools have been developed for teachers and students, which are very useful to easily develop a knowledge and understanding with technical skills. The development of various such a tools and the advancements in the use of computer makes students an individualized learner. This research paper aims to discuss various such tools, so as to create more awareness among teachers and students. The goal is to explain various uses of computer in education. Also to discuss various new technologies and educational tools developed to increase the use of computer in education. This paper also focuses on various areas of education where computers are beneficial.

Keywords :

History, Information and Communication Technology, Computer Assisted Instructions, 21st century and education.

Introduction :

Education is the backbone of everyone's life; without education it is not possible to survive in today's competitive environment. But to compete with today's technological environment only studying and learning particular subjects as in traditional education is not sufficient. Technology has expanded in such a way that no one is free from using it. Hence, various improvements have been made to improve the course material of traditional education system, due to which a complexity in education is increased, a lot. Using traditional teaching and learning methods it is not possible to remove this complexity. Hence various researches have been made to improve the teaching methods, which started to use computers in classrooms to enhance traditional methods. As computers are very useful and powerful, its increased demand leads frequent use of computer resources within schools and colleges.

All educational institutes from high schools to every field of education have started to use computers to train students. The computer technology has expanded from instructional delivery medium to an integral part of the learning environment. Computers in school are used to teach the students and to provide them a drill and practice by increasing sophisticated digital content. It is used to provide simulations and real world experience so that students can develop their cognitive thinking and extend learning.

Computers provide a key ingredient that was lacking in all the previous tools that raised high expectations when introduced in the educational system like "individualized

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17	Discipline of Players	Prof. Shital Raut	73

Generalized Inner Product Space

$$A = \{a_0G_0 + a_1G_1 + a_2G_2 / a_i \in F \ \& \ G_i \in C(P)\}$$

Where $C(P)$ = class of algebraic structures of codes in universe

- Dr. K.R. Nemade
Asst. Professor
Indira Mahavidyalaya,
Kalamb, Dist.Yavatmal (M.S.)

Abstract :

This piece of work consist of (A, \oplus) is an abelian group , (A, \oplus, \otimes) is a vector space , $(A, \oplus, \otimes) = A = \{a_0G_0 + a_1G_1 + a_2G_2 / a_i \in F \ \& \ G_i \in C(P)\}$
Where $C(P)$ = class of algebraic structures of codes in universe.; is a modified inner product space.

Mathematics Subject Classification 2000 : 08A99 , 03C13 , 68Q15 , 68Q19, 08A68

Keywords :

Binary Operation ,Abelian Group ,Vector Space , Inner Product, Field.

Introduction :

I.N.Herstein cotes in (1)

Definition : A nonempty set of elements G is said to form a group if in G there is defined a binary operation , called the product and defined by $*$, such that

1. $a, b \in G$ implies that $a*b \in G$
2. $a, b, c \in G$ implies that $(a*b)*c = a*(b*c)$
3. There exist an element $e \in G$ such that $a*e = e*a = a$ for all $a \in G$
4. For every $a \in G$ there exist an element $a^{-1} \in G$ such that $a*a^{-1} = a^{-1}*a = e$

Definition : A group G is said to be abelian (or Commutative) if for every $a, b \in G$,

$$a * b = b * a .$$

Definition : A nonempty set V is said to be vector space over a field F if V is an abelian group under an operation which we denote by $+$, and if for every $a \in F$, $v \in V$; there is defined an element , written as av , in V subject to

1. $a(v+w) = av + aw$;
2. $(a + b)v = av + bv$;
3. $a(bv) = (ab)v$;
4. $1v = v$;

For all $a, b \in F$; $v, w \in V$ Where the 1 represent the unit element of F under multiplication.

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ISBN 978-81-925945-5-2

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The Philosophy of Browning

Dr. V.R. Patki

Asst. Professor

Indira Mahavidyalaya,
Kalamb, Dist.Yavatmal (M.S.)

The work of Robert Browning fully exemplifies one of the dominant tendencies of Victorian poetry, and probably the more important one because it comes nearer to expressing the originality of the period: the craving for analysis and moral criticism. Browning's art is entirely pervaded by intellectual curiosity and almost merged in the systematic quest of truth; it is parted from what is essential in pure science only by secondary intentions.

Browning recognized, however that he had gone too far. The work of his more mature years follows a middle course, without ceasing to be arduous and original. His object according to his own definition, is the study of incidents which go to compose the development of a soul .In his opinion there is little else that merits serious consideration.

Browning's typical form ,that towards which all the other forms may be said coverage ,is the monologue ; there properly resides the newness of his art. His main idea is to throw light upon the realm of consciousness, and to do this he frees himself from all the shackles which impede psychological analysis, whether they are connected with action and synthesis and group together related elements. With unlimited profusion, he gives us the joy of understanding and reconstructing characters ; he makes us appreciate, better than any other writer of his time ,the swarming variety of moral types .He vigorously emphasizes the dominant features and indicates detail with a minute understanding of the individual trait The same felicity of touch is to be found in his treatment of problems and theses .The work of Browning is without doubt one of the richest and the most deep reaching treatises in practical psychology that English literature has to offer.

To study things as they are, the very, end of scientific knowledge in the broad sense in which the novel may pretend to figure among its instruments. Such a study is not and cannot be the main pursuit of poetry .Therefore, one might say that the error committed by Browning consists in having chosen paradoxically his means of expression .If Browning continued all his life to put into verse themes which in themselves scarcely seem to call for this choice, it was not by obedience to a discipline accepted at one time and then become habitual. In order to instill some vivacity and life into his psychological dissections, Browning required a language that was easy, energetic, humorous, familiar, or technical. The work of Browning written in his original and mixed forms which is neither prose nor verse often gives an impression of beauty but it is beauty of a spiritual and austere type, although human. He has, however, his actually inspired moods, when, under the spell of a more simple emotion, or of some striking symbol, powerful enough to call up and organize sounds and images, he reaches the heights of poetry, in the most precise sense of this term.

During his lifetime Browning had conquered the indifference of the public, and by now he has ceased to be a bugbear in literature .He is widely read, indeed many of his poems have come to be looked upon as part of the general patrimony.

Browning has no formal message no church no philosophy,' in the technical issue .But he had definite and firm views on human life and human nature and of the relation of both to God. His philosophy of life was shaped as early as Pauline, and it remained unchanged up to the very end. His poetry is characterized by immense variety, but unity is

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Role of College Librarian for Professional Development in Modern Age

- **Dr. G.P. Urkunde**

Librarian

Indira Mahavidyalaya,
Kalamb, Dist. Yavatmal

Abstract :

Library profession is not a mere profession; it's a kind of service to mankind. Libraries are the temples of knowledge to shape the future generation. Its responsibility of college librarians to develop library profession in modern age. Special plans are being chalked out to develop this profession through various organizations. In the same way keeping this view different institutions and organizations working of national and inter-national levels are trying to extend their hands to flourish this profession. These institutions and organizations are guiding to develop libraries by assessing through NAAC, ILA institution is struggling for the development of library and library profession on The national level. Its need of the hour for librarians to be very alert about changing technologies to develop this profession. The role of librarians is crucial to upgrade this profession in the age of Information Technology.

The Role of College Librarian :

Librarian have always played a key role an educational process We have formed relationship with subject specialists to build library collection to support instruction in the classroom and provided instruction in the form of classes on library skills and have conducted library instructional orientation session to assist student doing research in their classes.

With the growth of the internet and availability of vast amount of information in a instant, role of librarian must be one of teaching critical thinking and resources based learning. New vocabulary in education. Such as living curriculum, critical literacy, information power, information literacy, and information problem solving mandate that we re-examine our role as professional information providers and educators.

Library profession In the changing environment :

The environment in which librarian work is changing in term of greater access to a range of information increased speed in acquiring information, greater complexities in locating, analyzing and linking information constantly changing technology and adaptation lack of standardization of both hard work and software contentions learning for user and staff, management of financial investment for technology.

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Techniques to be applied by family to reduce the educational stress among the students

- **Prof. Mrs. Saroj Lakhadive**
Indira Mahavidyalaya,
Kalamb Dist.Yavatmal (M.S.)

Many people experience stress as they combine busy lives and the demands of study and or work while trying to also save time for friends and family. For some people stress becomes almost a way of life. We all experience episodic stress - getting ready for a major exam, completing an important paper, perhaps getting ready for an important interview. However a continuous "state" of stress should not become a way of life. We know that stress over a prolonged period of time can have increased certain health risks.

What is Stress?

Stress is simply the body's non-specific response to any demand made on it. Stress is not by definition synonymous with nervous tension or anxiety. Stress provides the means to express talents and energies and pursue happiness; it can also cause exhaustion and illness, either physical or psychological; heart attacks and accidents. The important thing to remember about stress is that certain forms are normal and essential. As the body responds to various forms of physical or psychological stress, certain predictable changes occur. These include increased heart rate, blood pressure, and secretions of stimulatory hormones. These responses to stress will occur whether the stress is positive or negative in nature. In lay terms, it is known as the "fight or flight" mechanism. Continual exposure lowers the body's ability to cope with additional forms of psychological or physiological stress. The results of continuing stress may cause disruption in one or more of the following areas of health: physical, emotional, spiritual, and social.

Recognizing Stress

The following are indicators that you may be experiencing stress.

- General irritability
- Elevated heart rate
- Increased blood pressure
- Increased accident proneness
- Floating anxiety-anxious feeling for no specific reason
- Trembling
- Insomnia
- Headaches
- Indigestion
- Pain in neck and/or lower back
- Changes in appetite or sleep Pattern.

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Effective Weapon of Agricultural Marketing

- **Dr. D.M. Chavhan**
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Introduction :

Co-operation means working together with another or others for a common purpose.

There may be a team of players of any game wherein members join to play the game and work hard for winning purpose.

Co-operation also has same meaning. It is an association of persons who unite to do some work together in order to achieve some goal which individually they cannot achieve. The principle of Co-operation is as old as humanity. From the most primitive to the most sophisticated community one comes across some form of co-operation among its members be it for agricultural operations or for some social economic or political activity. In India, the spirit of village communities i.e. Panchayat was almost entirely co-operative.

According to J.C. Kumarappa- "What cement or mortar is to the brick in a building that co-operation should be in the economic edifice Just as the adhesive agent keeps the bricks together and converts them into a solid mass, co-operation will also function to consolidate the social order."

"Co-operation is a way of life whereby people unite democratically in the spirit of mutual aid to get largest possible access to things and services they need" - J.P. Warebasse.

"Co-operation is self help made effective by organisation. The theory and practice of co-operation can be summed in three famous maxims; better farming, Better business and Better living." - Horace Plunkett.

In short co-operation is a voluntary association, democratic organisation based on the principles of unity economy equality and liberty where every member has one vote irrespective of the number of shares held by him.

It would be correct to say that co-operation is a binding force between capitalism, socialism and communism.

The motto of co-operation is " Each for all and all for each."

Objective of Paper :

- * To study the social and economic aspect of co-operative movement.
 - * To understand the co-operative marketing structure in central and state level.
 - * To study the role of co-operative societies agricultural marketing
- In the First Five Year Plan, co-operation was recognised as an "instrument of planned economic action in democracy."

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Agricultural Products in Maharashtra

- **Prof. Madhuri Rakhunde**

Indira Mahavidyalaya,
Kalamb Dist. Yavatmal (M.S.)

There are two important aspects to the marketing of agricultural products. The first has to do with the physical process that brings products from producers to consumers, the fundamental stages of this process are the collection, packaging, transport, processing, storage and lastly the retail sale of agricultural products. This first aspect shall be dealt with in detail in the part sheet on post harvest management. The second aspect, which is addressed here, involves the market pricing mechanism.

Emphasis will therefore be placed on the market mechanism that contribute to the pricing of agricultural products and on the way the producers can obtain acceptable prices for their crops.

Understanding the pricing mechanism according to the law of demand & supply :-

When as is often the case in Africa a multitude of small farmers are faced with a limited number of buyers, it is hard for them to influence prices and they often just accept the price that is offered to them. Nevertheless, the situation has greatly evolved in African countries.

In Africa, for several decades, it was the state that set the price of agricultural products, especially cereal & export products. With the withdrawal of State funding and privatisation, farmers have become increasingly exposed to the market and need guidance in their marketing activities.

Agricultural Marketing in Maharashtra :-

For a long period of time Indian agriculture was mostly in the nature of "Subsistence farming" The farmer sold only a small part of his produce to pay all rents, debts and meet his other requirements. Such sale was usually done immediately after harvesting of crops since there were no strong facilities. A considerable part of total produce was sold by the farmers to the village traders & moneylenders often of prices considerably lower than the market prices. Therefore the government took some steps to improve the system of agricultural marketing.

The important steps are :-

- [i] Organisation of regulated markets.
- [ii] Grading and standardisation
- [iii] Use of standard weights
- [iv] Godown and storage facilities.
- [v] Dissemination of market information.

Prof. R.T. Ade: Plato's concept of Justice and present Scenario

ISBN 978-81-925945-5-2

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Edited Book of Research Papers

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Sigma Enterprizes
92/61, Shastri Nagar, Meerut, UP 250004

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Index

	From The Bench of Editor		5
1	Critical Analysis of Various Legislations Relating to Protection of Disabled persons in India	Prof. N.R. Thawale	6
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6	The Philosophy of Browning	Dr. V.R. Patki	29
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11	Plato's concept of Justice and present Scenario	Prof. R.T. Ade	47
12	Comparative of Depth Perception, Agility And Explosive strength of Shoulder in Different Ball Games: A Study	Prof. R.M. Wath	51
13	Causes of injury and safety	Dr. Pavan Mandavkar	57
14	Mother-Tongue To Enhance English Language	Dr. P.B. Ingle	61
15	Domestic Violence in India	Prof. Snehal Khandekar	65
16	Importance of Language and communication	Dr. Veera Mandavkar	68
17	Discipline of Players	Prof. Shital Raut	73

Plato's concept of Justice and present Scenario

- Prof. R.T. Ade

Indira Mahavidyalaya,
Kalamb Dist.Yavatmal (M.S.)

Plato was a philosopher in classical Greece. He was also student of Socrates and helped to lay the foundation of western philosophy social Science and Sciences. Plato's dialogues have been used to teach a range of subject including philosophy, logic, ethics, religion, and mathematics. Plato is one of the most important founding figures in western philosophy. He had deeply study of State nature, and build up own approach of study. The Republic was written by Plato in near about 40 year old, the Republic consist of 10 Volume, in 1st Volume Plato promote for Justice and humanity. Plato Republic is also considered by some as a 'treaties on Justice' and some other on 'Political Science' and Jurisprudence.

Plato was a great philosopher in Political Science. He has observed society, custom of Society and study of Political Environments as well as built opinion on Political System. Some of the famous doctrines are contained in Republic during his middle period, as well as in Laws and the Statesman. The law's (346 B.C.) was written by Plato when he was 80 year old therefore it was good sample of his maturity. In this book Plato tried to avoid Ideal thought and tress on Law's as well as he was confessed it's difficult to find out Ideal King and Ideal State.

Meaning of Justice: Can be confirmed by human authority. Justice means a spiritual mind of human being to moral values and justifiable custom. Without values and morality man look like a wild animal we want to live in social and holy life it must to be follows. Binding means not cruel limitation of human behavior in society. They are push to Nobel life. Justice would means 'a body of binding or obliging values which.....the courts recognize as binding, and not only recognize but also enforce.' The function of adjusting, joining or fitting the different political value. Justice mean 'equality of each with each and of each with all.'

Now-a-day this concept totally change, we are look it in constitution. In nutshell, the problem of justice in the contemporary world is concerned with determining logical criteria for the allocation of goods, services opportunities, benefits, power and honors as well as obligation in society, particularly in a security situation. In short Justice is concerned with the allocation of benefits as well as burdens. Today we are citizens of state. We can't think out of state circumstance. Thus, we are accepted that law is the declared will of the state. That a external concept of Justice. But human behavior is internal part of justice. But human behavior is internal part of soul. These concepts emerge in today in futile face. Today we are deals justice with fundamental right. In short we are unsuccessful to determine the concept of justice.

The concept of justice is very feasible and very critical to formulate it face and show out. Geographical, social, cultural, political, economical and educational environment affected on it. Communist state held this concept in communist dimension. Liberal states find out justice in liberal surrounding. Means we are find out the concept of justice in various face in various nature. Therefore it is important to find out real face of justice and formulate it.

**Prof. R.M. Wath: Comparative of Depth Perception, Agility And Explosive Strength of
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Comparative of Depth Perception, Agility And Explosive Strength of Shoulder in Different Ball Games: A Study

- Prof. R.M. Wath

Indira Mahavidyalaya,
Kalamb Dist.Yavatmal (M.S.)

Abstract: The main purpose of the study is to compare depth perception, agility and explosive strength of shoulder in different ball game players. A subject was selected from the inter-collegiate players. Age of subjects ranged between 18 to 28 years. The subject was selected from following games football, volleyball, handball only. 15 male from each football, volleyball, handball intercollegiate players of different colleges were selected as subject. Simple random method was adopted for selection of the subject. The collected data were analyzed by employing F-ratio statistical techniques to find out the significant difference between the selected three groups i.e. Football, Volleyball and Handball players in-depth perception, Agility and Shoulder strength. The finding of the study revealed that there is no significant differences in Depth perception ($F_{0.05}(2, 42) = 3.219 > \text{Cal } F = 0.037$) among the selected ball games. The finding of tables also reveals that there is significant difference in agility ($F_{0.05}(2, 42) = 3.219 < \text{Cal } F = 3.312$) among the players i.e. significant difference found mean difference between Football and Volleyball players is 1.200 which is greater than critical difference 0.949. Similarly, the finding of tables also reveals that there is insignificant difference in Shoulder strength ($F_{0.05}(2, 42) = 3.219 < \text{Cal } F = 4.084$) among the players i.e. significant difference found mean difference between Football-Handball ($MD = 1.333$) and Football-Volleyball ($MD = 1.467$) players are greater than critical difference 1.145.

Key Words: *Depth Perception, Agility, Explosive Strength of Shoulder*

Introduction:

In the dynamic age of science and technology, the human element is threatened as ever before driven to our exertion in response to the demand for maximum production and all out effort. The development and conservation of material source is constantly stressed while very little is said about protection of human resources. In this competition age no culture can survive unless its men and women can be permitted to attain and maintain vigorous and abundant vitality and can be helped to recuperate quickly from strain and fatigue.

Depth perception is the visual ability to perceive the world in three dimensions (3D) and the distance of an object. Depth sensation is the corresponding term for animals, since although it is known that animals can sense the distance of an object (because of their ability to move accurately, or to respond consistently, according to that distance), it is not known whether they "perceive" it in the same subjective way that humans do.

Depth perception arises from a variety of depth cues. These are typically classified into binocular cues that are based on the receipt of sensory information in three dimensions

Dr. Pavan Mandavkar: Causes of injury and safety

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Causes of injury and safety

- Dr. Pavan Mandavkar

Indira Mahavidyalaya,
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Qualified Instructors

The instructor should be thoroughly familiar with the rules, the possible causes of injuries, and be prepared to apply first aid, especially in reviving those who have been "choked out." He should emphasize that knowing how to fall (ukemi) is more important than knowing how to throw. In fact, falling is the first line of defense.

In the beginning, the novice must learn to fall in all directions forward, backward, and sideward. In India all qualified instructors are certified and registered with the Judo Federation of India or their related state association, District Association. Before a black belt instructor is hired, his credentials should be checked to avoid possible liability due to injuries. The instructor should emphasize the importance of:

I. Throwing Techniques

- A. It is the responsibility of the thrower (tori) to tuck the sleeve of the uke (the one who is thrown) just before he lands so he will not hit his head and will land on his shoulder and side in the proper manner.
- B. The thrower must not drive the uke into the mat; this will allow the uke to fall properly.
- C. The thrower must not fall on the uke.
- D. A throw should not be forced or completed when there is impending danger, such as when an opponent's foot is caught between the mats.
- E. Certain types of throws (e.g., a wrapping hip throw) should not be used against individuals who have small, frail body structures.

II. Falling Techniques

- A. The uke must break the habit of extending the hand or arm to brace him for the fall. The impact of the fall can cause fractures of the wrist, forearm, and dislocation of the elbow. The real danger is the additional force caused by the thrower (tori) falling on top of the uke.
- B. The uke must learn to tuck in his shoulder and head so that the impact of the fall is distributed to his back and side rather than directly on the point of the shoulder.

Table I, Types of Injury

S.N.	Type of Judo Injury	Numbers of Injury
01	Fracture	34
02	Upper extremities	20
03	Lower extremities	10
04	Maxilla	01
05	Rib	01
06	Vertebra	02
07	Dislocation and separations	43
08	Upper Extremities	41

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Mother-Tongue To Enhance English Language

- Dr. P.B. Ingle

Indira Mahavidyalaya,
Kalamb Dist.Yavatmal (M.S.)

ABSTRACT:

A child aged two plus can manage to hold meaningful conversation in its mother tongue. When a foreign language is involved, it may take a little longer to achieve the level of minimum competence required to make our speech intelligible. But even a person with very average intelligence should be able to reach that level in two or three years. Students in rural areas develop a phobia for it which they are unable to shake off throughout their life. In fact it has been identified as a 'killer subject', more responsible for college dropouts. I would like to share some of the difficulties and their probable remedies in teaching and learning English as second language. This paper clearly announces the fact that English can be learnt comfortably with the help of mother-tongue even by the people who were born and brought up in adverse conditions.

Full Paper:

Every new language is confronted by an already-existing mother tongue . The mother tongue as a cognitive and pedagogical resource will be more important for pupils of seven or eight upwards, by which time the mother tongue has taken firm root, and it will be more in evidence in the conventional classroom, where exposure to the FL is inevitably restricted, than in immersion situations. Using the mother tongue, we have (1) learnt to think, (2) learnt to communicate and (3) acquired an intuitive understanding of grammar. The mother tongue opens the door, not only to its own grammar, but to all grammars, inasmuch as it awakens the potential for universal grammar that lies within all of us. This foreknowledge is the result of interactions between a first language and our fundamental linguistic endowment, and is the foundation on which we build our Selves. It is the greatest asset people bring to the task of foreign language learning. For this reason, the mother tongue is the master key to foreign languages, the tool which gives us the fastest, surest, most precise, and most complete means of accessing a foreign language.

Teaching and learning of English language is a significant modern phenomenon which cannot be ignored. Teachers must take utmost care in acquiring all the skill of English language. The English teacher has a Herculean task to teach the foreign language in rural places. He has to seek aid of various traditional and modern methods to achieve the desired results. Though Second Language Teaching (SLT) in the last few years has already undergone several revolutions, we, the English teachers in India, do not seem to be aware of such revolutionary changes, what to speak of applying those new ideas in the Second Language classroom (SLC),we continue to teach in a social vacuum. Hence, even after several years of serious and sincere teaching, the Second Language Learners (SLLs) fail to communicate in real life discourse situations. The result is either break of communication or miscommunication, which instead of solving problems, often create new ones at the social and cultural levels. Before we start teaching any subject, we should first state our objectives clear. Teaching without a preconceived objectives will be like the journey of a passenger who does know where he wants to go. Therefore, we are required to fix up our "destination" first.

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Domestic Violence in India

- Prof. Snehal Khandekar

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INTRODUCTION-

Man and woman are two halves of the society, so, society cannot prosper in true sense without the upliftment of and cooperation from women. She occupies unique position in human society because of her natural ability of procreation. However, patriarchy, traditional customs, bias has relegated her to a position of insignificance. Women have been subjected to untold miseries outside and inside the home. The gender based bias haunts her at all stages of her life. A recent study has concluded that violence against women is the fastest-growing crime in India. According to a latest report prepared by India's National Crime Records Bureau (NCRB), a crime has been recorded against women in every three minutes in India. Every 60 minutes, two women are raped in this country. Every six hours, a young married woman is found beaten to death, burnt or driven to suicide.

However, of all types of violence against women, the violence within the four walls of the house- domestic violence is of serious type as it occurs silently and more often she cannot raise her voice because of fear of breaking of family. She cannot leave the home as the fear of leaving is greater than the fear of staying. According to United Nation Population Fund Report, around two-third of married Indian women are victims of domestic violence and as many as 70 per cent of married women in India between the age of 15 and 49 are victims of beating, rape or forced sex. In India, more than 55 percent of the women suffer from domestic violence, especially in the states of Bihar, U.P., M.P. and other northern states.

OBJECTIVES OF STUDY-

Hence, the researcher in this paper attempt to analyzes the position of Indian women from historical perspectives and also legislative response towards this serious menace paralyzing half of the country's population. The researcher also undertakes to evaluate the causes of the problem and considers to suggest possible reformation in existing position.

STATUS OF WOMEN-

A] Early Indian Society-

A cursory glance of Indian history reveals that during Vedic period women enjoyed considerable freedom and equality. After that her position started declining in coming period. During Buddhism some sort of freedom was allowed to be educated and to travel as missionaries'. In Muslim era position of women was further deteriorated. At the time of British rule [around 18th century], her position reached to the maximum state of misery. It was towards 19th century onwards voices were raised by social reformers against the evils like sati, paradah, child marriages which led to passing of statutes during British period.

B] After Independence-

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Publisher

Dr. Ranganath Mishra
Sigma Enterprizes
92/61, Shastri Nagar, Meerut, UP 250004

Printer

Gill Publication
Meerut City, UP 250002

Communication

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Index

	From The Bench of Editor		5
1	Critical Analysis of Various Legislations Relating to Protection of Disabled persons in India	Prof. N.R. Thawale	6
2	Research Productivity of Faculty Members in the Department of Applied Mechanics, VNIT, Nagpur: A Bibliometrics Study	Prof. D.S. Patil	10
3	Judicial Reporting in Dr. B.R. Ambedkar Newspaper	Prof. P.S. Jawade	21
4	Computer in Education An Important Step towards Technology	Prof. N.V. Narule	23
5	Generalized Inner Product Space $A = \{a_0G_0 + a_1G_1 + a_2G_2 / a_i \in F \& G_i \in C(P)\}$ Where $C(P)$ = class of algebraic structures of codes in universe	Dr. K. R. Nemade	26
6	The Philosophy of Browning	Dr. V.R. Patki	29
7	Role of College Librarian for Professional Development in Modern Age	Dr. G.P. Urkunde	32
8	Techniques to be applied by family to reduce the educational stress among the students	Prof. Saroj Lakhadive	37
9	Effective Weapon of Agricultural Marketing	Dr. D.M. Chavhan	42
10	Agricultural Products in Maharashtra	Prof. Madhuri Rakhunde	45
11	Plato's concept of Justice and present Scenario	Prof. R.T. Ade	47
12	Comparative of Depth Perception, Agility And Explosive strength of Shoulder in Different Ball Games: A Study	Prof. R.M. Wath	51
13	Causes of injury and safety	Dr. Pavan Mandavkar	57
14	Mother-Tongue To Enhance English Language	Dr. P.B. Ingle	61
15	Domestic Violence in India	Prof. Snehal Khandekar	65
16	Importance of Language and communication	Dr. Veera Mandavkar	68
17	Discipline of Players	Prof. Shital Raut	73

Importance of Language and communication

- Prof. Dr. Veera Mandavkar

Asst. Professor, Indira Mahavidyalaya,
Kalamb Dist.Yavatmal (M.S.)

Language is a means of communication, a God's gift to man. It is through language we think, feel, express and judge. Today our country is able to provide a good number of technical manpower but not up to the needs of the industry as they are deficit in communication skill. As communication plays a vital role in the smooth functioning of an organization, the need to impart communication skills assumed greater importance than earlier times. For effective teaching and learning, competence Based Technical education (CBTE) which focuses on knowledge, attitude and skills must be emphasized. As such importance of communication skills is increasing day by day. To communicate one should have a clear idea about the importance of language and approach to language teaching and learning must be changed.

Four skills of language work under these means of communication. These skills are known as listening, speaking, & writing. All these skills are integrated each other. Many factors are common to each skill. To be an expert communicator one has to gain knowledge of these skills.

Listening:

Listening is the first step to learn any language. It requires active participation of a learner. A learner should pay attention to a speaker otherwise she/he could not give any reply or miss the information. We all like to be good listener but the fact is most of us speak and do not listen. We only pick up half of the message. Listening or ability to listen and respond can make a lot of difference in relationship, on the job, at home with friends.

For ex:- When the ball of conversation bounces into your side, do not feel that you have got to hang on to it but bounce back. Every speaker needs a good listener and a good listener is always as a spring –water in the midst of the desert. Listening skills are one of the important part of communication process. Here are some of the characteristic of a good listener. You must have patience.

- . Concentration Intelligence & maintain eye contact
- . Resist distractions and encourage speaker
- . Summarize to clarify
- . Take time to listen
- . Keep eye contact
- . Don't interrupt in between and always disagree in a polite way, if needed.

Listening and expression is given paramount importance in team work and building inter-personal relations at the work. There are several ways of listening which come into play in different rules at the work place. These are: Passive, informative, Evaluative, Appreciative,

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Discipline of Players

- Prof. Shital Raut

Asst. Professor, Indira Mahavidyalaya,
Kalamb Dist. Yavatmal (M.S)

Introduction:

It is very important to control emotions in sports. If emotions are not controlled at right time, unwarranted situations can arise, as we seen during the World Cup Football final between France and Italy. France's star striker Zinedine Zidane would have been well aware about the consequences of his infamous Head Butt. The whole world was watching the match but still Zidane could not control his emotions. It is a well known fact that Fear, anger, love, jealousy, nervousness and other emotions control human behavior. But I have a different experience in my personal life. In my young days, I was a part of one of Vidarbhas most successful tennis ball cricket club. For a period of almost 20 years (1980-2000), the Vijayanta Cricket Club remained a team to beat. After a period of 25 years, when I take a look at progress of my fellow team-mates, obvious fact comes to the fore. Those who would follow the discipline of the ground abide to the code of conduct of the team; have today achieved fame and respect in their respective fields. Whereas those who were undisciplined, addicted to tobacco and other substances are struggling to live respectable life, even after having good potentials.

Research Methodology:

Under this chapter the Statement of the Problem, Objective of Study, Purpose of the Study, Hypothesis, Source of data, selection of test, and selection of subject and collection of data is described.

Hypothesis:

It is hypothesized that, the impact of discipline on the opinions of players can be better than other students.

- 1) There is an impact on opinions of team and individual players about discipline.
- 2) There is an impact on opinions of male and female students about discipline.
- 3) There is an impact on opinions of rural and urban students about discipline.
- 4) There is an impact on opinions of players and non players about discipline.

Source of Data:

In all 2000 students, in the age group of 18 to 25, were selected from Sant Gadge baba Amravati University, Amravati and Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur through Simple Random Method. The sample comprised male-female, rural-urban, players and non players, individual and team players.

Selection of test:

The Intelligent Quotient Test Questionnaire prepared by Dr. S Mathur, Director, VG Institute, Surendra Nagar, Gujarat and certified by Dr. Dubey, Director, Aarohi Psychology Centre, Jabalpur was used to determine the Intelligence Quotient.

Selection of the Subject:

In all 2000 students, in the age group of 18 to 25, were selected from two non-agriculture Universities, Sant Gadge baba Amravati University, Amravati and Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur through Simple Random Method.