

# 6. New Education Policy 2020 & Linguistic Current Situation

Dr. Sanjay Bhimrao Khadse

Professor, Shri Shivaji College of Education, Amravati.

#### Abstract

Language learning is the basic core of education. Because language is the medium of education. Providing primary education to children (at least to children) through mother tongue is a universally accepted principle. Many studies around the world have now proved that a child can absorb any knowledge, the theoretical part of it with proper understanding, more easily and effectively in his mother tongue than in a foreign language. But in the country of multilingual and multicultural India, where there are 22 official national languages as per the Constitution (as per the Eighth Schedule), it was not possible to decide on a single official national language for the entire country. Again, the English language spread all over the country due to the British rule for one and a half hundred years and the progress made by modern knowledge and science through it, could not be ignored. Hence, it is evident that the framers of the country settled the language question satisfactorily by deciding that English should be the contact language for the country along with Hindi, for the sake of national unity. But as it is important for the knowledge of the students to be imparted through the mother tongue, provision was made in Article 350A of the Constitution.

#### Introduction

In 1968, the first National Education Policy was implemented in India based on the recommendations of the Kothari Commission. In it, the trilingual language policy was first adopted keeping in mind the national integration, linguistic identity and multilingualism of the country. Simply put, a Hindi-speaking state had English, Hindi and a modern Indian language (which of course would not have been Sanskrit, possibly a southern state Dravidian language) and a non-Hindi-speaking state had English, Hindi and a state language. With the exception of Tamil Nadu, all states accepted the trilingual policy, but the Hindi-speaking states systematically defied the policy by adopting Sanskrit as their third language instead of the modern Indian language. Tamil Nadu clearly rejected the trilingual policy and adopted a bilingual policy of

English / Peer Reviewed Refereed and UGC Listed Journal No



GALAXY LINK - ISSN 2319 - 8508 - IMPACT FACTOR - 6.495 (www.sjifactor.com) CC - 24

Tamil and English for its state. Because he was strongly opposed to the imposition of Hindi language through the trilingual policy. The central government did nothing before that. That is, although the National Education Policy had a trilingual principle, Tamil Nadu openly rejected it. While the Hindi speaking states bypassed it at their own convenience and adopted Sanskrit as their third language instead of the modern Indian language.But our Maharashtra, however, adopted this trilingual policy precisely and I believe that it was and is right. In the Second Education Policy of 1986, the trilingual policy was retained without any change. And in the third policy of the new 2020, it is still there, but there is a subtle change in it, it is insistence.

## Key Provisions of Language in the New Education Policy

In the new National Education Policy under the heading 'Multilingualism and Language Compulsion' the language policy has been elaborated in sufficient detail in paragraphs 4.11 t 4.22. Let us first look briefly at its treatment. The major recommendations of this language policy are as follows-

- Trilingual policy of Kothari Commission has been retained in the new policy as well. But because of the strong reaction in Tamil Nadu, there is no separate clear mention of Hindi, but it has already been adopted by every state - with the exception of Tamil Nadu. Accordingly, the trilingual policy of the regional language of the state, Hindi and English, has been adopted more or less all over the country. Therefore, the trilingual language formula has been maintained in the new policy to preserve multilingual diversity and for national integration.
- The new policy emphasizes that the medium of education should be the mother tongue i.e. the state language at least up to the fifth standard and preferably up to the eighthstandard. Beyond that, if possible, the local language should be taught there.
- Textbooks of all subjects including Science-Mathematics shall be made available to students in mother tongue/state language for easy understanding. Also teachers will be encouraged to use bilingual methods with bilingual teaching-learning materials. Thus students will be able to think and speak in both mother tongue and English.
- After developing the writing and reading skills of the students in the initial two years i.e. 1st and 2nd, writing and reading of other languages will be taught from 3rd standard onwards. A large number of teachers of all languages will be provided for this. Provision will be made for recruitment of teachers in large numbers from each other's

GALAXY LINK - ISSN 2319 - 8508 - IMPACT FACTOR - 6,495 (www.sjifactor.com) CC - 24

- states to implement the trilingual formula. Also, various states will enter into bilateral agreements with each other to implement the trilingual formula across the country.
- Paragraph 9.3(a) recommends that there should be one large multidisciplinary university and college in or near every district, whose medium of instruction or programs shall be the vernacular Indian language.
  - Sanskrit language will be available in all levels of school education, as well as an important and optional option in the Trilingual formula of higher education. f.
  - Classical Indian languages, Pali, Persian and Prakrit along with Sanskrit and their materials will be available to the students through online modules in an experiential and
  - Foreign language at secondary level viz. Opportunities will also be provided in Korean, Thai, French, Spanish, Portuguese and Russian.
  - Indian Sign Language Indian Sign Language will be standardized across the country.

## Conclusion

A cursory glance at the language policy adopted by the Centre of Kasturirangan Samiti may seem appropriate for a multilingual and multicultural country like India. To a large extent this is true, but at first sight one cannot help but feel that the burden of learning several languages is being placed on students to preserve multilingualism. The presentation and acceptability of any policy depends on the details. Because 'Devil lies in detailis' now let us go into details and treat the new language policy on the basis of two criteria which are 1) suitable for students and national interest and 2) unreasonable and impractical as putting extra burden on students. A detailed interpretation of the same is necessary for clarity and direction and recommendations to the Government of Maharashtra for implementation.

## References

- Draft National Education Policy 2019. Committee for Draft National Education Policy Ministry of Human Resource Development, Government of India.
- Government of India. (2020). National Education Policy 2020. Ministry of Huma 2. Resource Development.
- https://en.wikipedia.org/wiki/ National Policy on Education 3.
- https://www.oneindia.com/india/new-education-policy-2020advantages-and 4. disadvantages-of-nep-3127811.html

English / Peer Reviewed Refereed and UGC Listed Journal No.: 47023

Journal's outer Jacket ? TSSN NO ?

Joanabha - 1140

Link & glame

Iñānābha, Vol. 51(1) (2021), 1-10

ON SIMPLE BOUNDS FOR INVERSE HYPERBOLIC SINE AND INVERSE HYPERBOLIC TANGENT FUNCTIONS

Ramkrishna M. Dhaigude, Sumedh B. Thool Department of Mathematics, Government Vidaroha Institute of Science and Humanities, Amravati-444604, Maharashtra, India Enail:rmdhaigude@gmail.com, sumedhmaths@gmail.com

Yogesh J. Bagul

Department of Mathematics, K. K. M. College, Manwath Dist: Parbhani-431505, Maharashtra, India Email:yjbagul@gmail.com

Vinay M. Raut

Department of Mathematics, Shri. Shivaji Science College, Amravati-444603, Maharashtra, India Email: vinayraut18@gmail.com (Received: April 04, 2021; Revised: April 22, 2021)

#### Abstract

We obtain simple algebraic bounds of inverse hyperbolic sine and inverse hyperbolic tengent functions i.e., sinh 'x and tanh' x. The inequalities are obtained on the entire domains of these functions. From our results, we obtain tighter bounds for the same functions. The Wilker and Huygens type inequalities involving inverse hyperbolic functions can also be easily

2010 Mathematics Subject Classifications:  $26100^{\circ}, 261320, 42 \pm 10$ Keywords and phrases: Inverse hyperbolic sine function, inverse hyperbolic tangent function. Wilker and Huygens type inequalities, increasing decreasing functions.

The bounds for inverse hyperbolic sine and inverse hyperbolic tangent functions can be useful in applied mathematics where these functions occur frequently. The inequalities

applied madrenman.
$$(1.1) \frac{1}{\sqrt{1+x^2}} < \frac{\sinh^{-1} x}{x}; x > 0$$

and
(1.2) 
$$\frac{\tanh^{-1} x}{x} < \frac{1}{1 - x^2}; x \in (0, 1)$$

can be proved easily by Mean Value Theorem(MVT) [5]. For the trigonometric inequalities analogous to (1.1) and (1.2) we refer to [3]. In 2008, Zhu [16] established for  $0 \le x \le r$  and

$$(1.3) \frac{3}{2 + \sqrt{1 + x^2}} \le \frac{\sinh^{-1} x}{x} \le \frac{b + 1}{b + \sqrt{1 + x^2}},$$

where  $h = \frac{\sqrt{1 + \epsilon_0} \cos (\epsilon_0)}{2 \cosh (\epsilon_0)}$ . The inequality (1.3) is Shafer-link (5)% inequality in proof of Shafer hyporbolic one. In the same year, Zhu [17] presented another simple proof of Shafer's inequality [12, 13, 14]

$$\frac{112x^{2}3x^{2}}{x^{2}} < \frac{8}{3 + \sqrt{25 - \frac{30}{3}x^{2}}}; 0 < x < \sqrt{15}/4.$$

Later, it is pointed out in [4] that a simple concise proof of inequality (1.4) in [17] contains a small mistake and other simple proofs of (1.4) are provided in [4]. The classic inequalities (1.3) (the right one) and (1,4) are not true on the entire domains of the respective functions i.e., on the domains of  $\sinh^4 x$  and  $\tanh^4 x$  as they are respectively defined on  $(0,\infty)$  and (0,1). In this paper, we obtain algebraic bounds for these functions on their entire domains. New inequalities are simple and comparable with (1.3) and (1.4) as well as they give Wilker [15] and Huygens [10] type inequalities for inverse hyperbolic functions.

Before proceeding further, we recall the following two Lemmas regarding the monotonicity of functions. These Lemmas will be used to prove our main results, a the next section

**Lemma 1.1** ([1, p.10]) Let  $f,g:[m,n] \to \mathbb{R}$  be two continuous functions which are differentiable on (m,n) and  $g'\neq 0$  in (m,n). It fig. is increasing (or decreasing) on (m,n), then the functions  $\frac{f(n)-f(n)}{g(n)-f(n)}$  and  $\frac{f(n)-f(n)}{g(n)-g(n)}$  are also increasing (or decreasing) on (m,n). If f/g is strictly monotone. then the monotonicity in the conclusion is also strict

**Lemma 1.2** ([9]) Let  $A(x) = \sum_{k=0}^{\infty} a_k x^k$  and  $B(x) = \sum_{k=0}^{\infty} b_k x^k$  be convergent for |x| < R, where  $a_k$  and  $b_k$  are real numbers for  $k=0,1,2,\cdots$  such that  $b_k>0$ . If the sequence  $a_k/b_k$  is strictly increasing(or decreasing), then the function A(x)/B(x) is also strictly increasing(or decreasing) on (0, R).

## 2 Main results

In our first result, we extend inequality (1.1) to the right, the first result is stated as

Theorem 2.1 The best possible constants a and B such that

(2.1) 
$$\left(\frac{1}{1+x^2}\right)^{\alpha} < \frac{\sinh^{-1}x}{x} < \left(\frac{1}{1+x^2}\right)^{\beta}, \ x \in (0, \infty)$$
are 1/2 and 1/6 respectively.

Proof. Let

$$f(x) = \frac{\ln\left(\frac{x}{\sinh^{1}x}\right)}{\ln\left(1 + x^{2}\right)}, \ x \in (0, \infty)$$

and  $\sinh^{-1} x = t$ . Then  $x = \sinh t$  for  $t \in (0, \infty)$  and f(x) = F(t) where

$$F(t) = \frac{\ln\left(\frac{\sinh t}{t}\right)}{\ln\left(1 + \sinh^2 t\right)} := \frac{F_1(t)}{F_2(t)}.$$

Differentiation yields

$$\frac{F_1'(t)}{F_2'(t)} = \frac{1 + \sinh^2 t}{2 \sinh t \cosh t} + \frac{t \cosh t - \sinh t}{t \sinh t}$$

$$\frac{\cosh t(t\cosh t + \sinh t)}{2t\sinh^2 t} = \frac{1}{2} \cdot \frac{t(1 + \cosh 2t) - \sinh 2t}{t\cosh 2t - t}$$

$$= \frac{1}{2} \cdot \frac{t\cosh 2t - \sinh 2t + t}{t\cosh 2t - t}$$

$$= \frac{1}{2} \cdot \frac{\sum_{i=1}^{n} \frac{\cos h(2t - t)}{\sum_{i=1}^{n} \frac{\cos h(2t - t)}{(2t - t)}}{\sum_{i=1}^{n} \frac{\cos h(2t - t)}{(2t - t)}}$$

$$= \frac{1}{2} \cdot \frac{\sum_{i=1}^{n} \frac{\cos h(2t - t)}{(2t - t)}}{\sum_{i=1}^{n} \frac{\cos h(2t - t)}{(2t - t)}}$$

$$= \frac{1}{2} \cdot \frac{\sum_{i=1}^{n} \frac{\cos h(2t - t)}{(2t - t)}}{\sum_{i=1}^{n} h(2t - t)} = \frac{1}{2} \cdot \frac{A(t)}{b(t)}$$

Therefore.

fore, 
$$\frac{a_k}{b_k} = 1 - \frac{2}{2k+1}, k \in \mathbb{N}.$$

Clearly,  $\{a_i/b_i\}_{i=1}^{\infty}$  is a strictly increasing sequence. By Lemma 1.2,  $F_1^*/F_2^*$  is strictly increasing on  $(0, \infty)$ . By Lemma 1.1, F(t) and hence f(x) is a strictly increasing function on  $(0, \infty)$ . So

By l'Hôpital's rule, we find the limits f(0+) = 1/6 and  $f(\infty-) = 1/2$  which give double inequality (2.1).

Next, we improve left inequality of (2.1) or inequality (1.1).

Theorem 2.2 For 
$$x > 0$$
, the constant  $a = 1/3$  such that (2.2) 
$$\frac{1}{\sqrt{1+ax^2}} < \frac{\sinh^3 x}{x}$$
 is the best possible.

Proof. Let

$$g(x) = \frac{\left(\frac{x}{\sinh \frac{x}{x}}\right)^2 - 1}{x^2}, \quad x > 0$$

and  $\sinh^{-1} x = t$ . Then  $x = \sinh t$  for  $t \in (0, \infty)$  and g(x) = G(t) where

$$G(t) = \frac{\left(\frac{\sinh^2 t}{t}\right)^2 - 1}{\sinh^2 t} = \frac{\sinh^2 t - t^2}{t^2 \sinh^2 t}$$

$$= \frac{\cosh 2t - 2t^2 - 1}{t^2 \cosh 2t - t^2}$$

$$= \frac{\sum_{k=0}^{\infty} \frac{\sin^2 t}{(24)!} - 2t^2}{\sum_{k=0}^{\infty} \frac{2^{2k+2}}{(24)!} - t^2} = \frac{\sum_{k=0}^{\infty} \frac{2^{2k+2}}{(2k+2)!} t^{2k}}{\sum_{k=0}^{\infty} \frac{2^{2k+2}}{(2k+2)!} t^{2k}}$$

$$= \frac{\sum_{k=0}^{\infty} t_k t^{2k}}{\sum_{k=0}^{\infty} t_k t^{2k}} := \frac{A(t)}{B(t)}.$$

Therefore, 
$$\frac{a_k}{b_k} = \frac{2}{k(2k-1)}, k \ge 2.$$

Thus  $\{a_k/b_k\}_{k=2}^{k=\omega}$  is a strictly decreasing sequence. By Lemma 1.2, G(t) and hence g(x) is decreasing on  $(0, \infty)$ . So f(0+) > f(x). As f(0+) = 1/3, we get the required result.

Similarly, we extend and improve the inequality (1.2) in the following theorems.

Scanned with CamScanner

Ling the submittation (and 121 4000 htt: -- takhi / }

Det

ranh27  $\frac{\sinh 2t - t \cosh 2t - t}{t \cosh 2t - t}$ 

with the Too the little

0, or p(x) = P(x) where

Theorem 24 For - 6:0. The nequality 18 (Play Brook La

3041 > har > h1-We do not the proof by soluting that the limits ar(t+)=-1/3 and h(1+)=-1 can be easily found by l'Hôpical's rule.

strong decreasing an  $0,\infty$  are that  $n_{0,\infty}$  structly decreasing on (0,1). Hence

Some a sequence  $f_k$   $m_{k+1}$  is strictly decreasing we get by Lemma 1.2 that a function H(t) is

 $\sum_{i=1}^{N} \frac{y_{i}}{|X_{i}|} \left( \frac{1}{|X_{i}|^{2}} - 1 \right) t^{-\frac{1}{2}(-1)}$ 

Proof. Let We put  $\tanh^{d} t = t$  which gives  $x = \tanh t$  for  $t \in (0, \infty)$  and h(x) = H(t) where  $(\underline{mt}) = 1$   $\sinh \cosh t - t \cosh^2 t$  $H(t) = \frac{1}{t} \int_{t}^{t} dt dt = \frac{1}{t} \int_{t}^{t} dt$ rsinb2t

may mequalizes hold.

$$= \frac{\ln(\frac{-\tau_0}{2\ln(\operatorname{sech} t)})}{2\ln(\operatorname{sech} t)} = \frac{1}{2} \cdot \frac{P_{10}(t)}{P_{2}(t)}$$
After differentiation

After differentiating we have

$$\begin{split} \frac{P_1(t)}{P_2^*(t)} &= \frac{\tanh t - t \operatorname{sech}^2 t}{t \tanh t - t} - \frac{\sinh 2t - 2t}{2t \sinh t} \\ &= \frac{\sinh 2t - 2t}{t \cosh^2 t} - \frac{\sum_{i=0}^{n} \frac{1}{(2i+1)^2} t^{2i+1}}{\sum_{i=0}^{n} \frac{1}{(2i+1)^2} t^{2i+1} - 2t} \\ &= \frac{\sum_{i=0}^{n} \frac{1}{(2i+1)^2} t^{2i+1}}{\sum_{i=0}^{n} \frac{1}{(2i+1)^2} t^{2i+1}} - \frac{\sum_{i=0}^{n} \frac{1}{t} t^{2i+1}}{\sum_{i=0}^{n} \frac{1}{(2i+1)^2} t^{2i+1}} - \frac{L(t)}{M(t)}. \end{split}$$
From this we always

From this we obtain

$$\frac{l_k}{m_k} = \frac{2}{2k+1}, k \in \mathbb{N}$$

and easily see that the sequence  $[l_i/m_i]_{i=1}^n$  is strictly decreasing. By subsequent use of Lemmas 1.1 and 1.2, we conclude that the function P(t) is strictly decreasing on  $(0, \infty)$  or equivalently the function p(x) is strictly decreasing on (0,1). Hence p(0-)=1/3>p(x). This completes the proof

Now we state and prove one lemma for establishing asymptotically better lower board for  $(\sinh^3 x)/x$ 

Lemma 2.1 The inequalities

$$\left(\frac{\sinh x}{x}\right)^2 < \cosh x, \ x \in (0, \delta)$$

and

$$\left(\frac{\sinh x}{x}\right)^2 > \cosh x, \ x \in (\delta, \infty)$$

hold for  $\delta \approx 2.675$ 

Proof. Let

$$y(x) = \sinh^2 x - x^2 \cosh x, \ x \in (0, \infty)$$

Using known series expansions we write

$$\begin{aligned} \eta(x) &= \frac{1}{2} \left( \cosh 2x - 1 \right) - x^2 \cosh x \\ &= -\frac{1}{2} + \sum_{k=0}^{\infty} \frac{2^{2k-1}}{(2k)!} x^{2k} - \sum_{k=0}^{\infty} \frac{x^{2k+2}}{(2k)!} \\ &= \sum_{k=0}^{\infty} \frac{1}{(2k-2)!} \left[ \frac{2^{2k-1}}{2k(2k-1)} - 1 \right] x^{2k} \\ &= \frac{x^4}{6} + \frac{x^6}{360} + \frac{x^8}{560} + \frac{211x^{10}}{1814400} + \cdots \right] \end{aligned}$$

Clearly, t(x) > 0 for all  $x \ge 3$ . From the nature of curves  $\left(\frac{\sinh x}{x}\right)^2$  and  $\cosh x$ , they can intersect each other in at most one point. So the equation f(x) = 0 has a unique solution that lies in (0,3) and can be confirmed by using bisection method[2] as follows.

Let  $x = \sinh x = \cosh x^2 = 0$  and  $x_1 = x^2 \cosh x$ . Then with the help of tables in [6]

Table 2.1

|              |  | fairer - |  |                   |
|--------------|--|----------|--|-------------------|
|              |  |          | I(x) = Y   | 1-12              |
| L(md.)       | Vi   | 92       |  |                   |
| All Interior | -  | 1.54308  | -0.1619  | 8 < 0             |
| 0.10         | 1.3811   | 1,57420  |  | 26 > 0            |
| 1            | 7. 7570  | 00.60894 | +9,7401  | 10 2 0            |
| 3.0          | 100.3570   | - August | The second secon | reduce the second |
| 18           | Contract of the last of the la |          |  |                   |

From Table 2.1, the root of f(x) lies between 1 and 3.

Table 2.2

| I (rad) | V        | V2       | $t(x) = y_1 - y_2$ |
|---------|----------|----------|--------------------|
| i 1.0   | 1.3811   | 1.54308  | -0.16198 < 0       |
| 1.5     | 4.03383  | 5.29292  | -1.25909 < 0       |
| 2.0     | 13.1541  | 15.0488  | -1.8947 < 0        |
| 7.5     | 36 60495 | 38.32681 | -1.72186 < 0       |
| 3.0     | 100.3578 | 90.60894 | +9.74886 > 0       |

From Table 2.2, the root of n.x) lies between 2.5 and 3.0.

Table 2.3

| a(rad.) | У1       | <i>y</i> <sub>2</sub> | $t(x) = y_1 - y_2$ |
|---------|----------|-----------------------|--------------------|
| 2.5     | 36.60495 | 38.32681              | -1.72186 < 0       |
| 2.6     | 44.81945 | 45.75851              | -0.93906 < 0       |
| 2.7     | 54.85275 | 54.4816               | +0.37115 > 0       |
| 2.8     | 67.1075  | 64.7014               | +2.4061 > 0        |
| 2.9     | 82.07565 | 76.65362              | +5.42203 > 0       |
| 3.0     | 100.3578 | 90.60894              | +9.74886 > 0       |

From Table 2.3, the root of t(x) lies between 2.6 and 2.7.

| 10       | wie 2.4   |   |
|----------|---|---|
| 31       | y <sub>2</sub>  | $t(x)=y_1-y_2$  |
| 44.81945 | 45.75851  | .0 93906 < 0  |
| 45.7349  | 46.56949  | -0.83459 < 0  |
| 46.66885 | 47.3936   | -0.72475 < 0  |
| 47.62165 | 48.23099  | -0.60934 < 0  |
| 48.59375 | 49.08188  | -0.48813 < 0  |
| 49.58545 | 49.94641  | 0.36096< 0  |
| 50.5972  | 50.82488  | -0.22768< 0   |
| 51,6294  | 51.71738  | -0.08798< 0   |
| 52,6824  | 52,62422  | +0.05818> 0   |
| 53,7567  | 53,54555  | +0.21115>0  |
| 54.85275 | 54.4816   | +0.37115 > 0  |
|          | 91<br>44.81945<br>45.7349<br>46.66885<br>47.62165<br>48.59375<br>49.58545<br>50.5972<br>51.6294<br>52.6824<br>53.7567 | 44 81945 45.75851<br>45.7349 46.56949<br>46.66885 47.3936<br>47.62165 43.0099<br>48.59375 40.08188<br>40.58545 40.04641<br>50.5072 50.82488<br>51.6294 51.71738<br>52.6624 52.62422<br>53.7567 53.54555 |

From Table 2.4, the root of t(x) lies between 2.67 and 2.68. Thus the solution  $\delta$  of t(x) = 0 can be taken as  $\approx 2.675$ , Moreover, t(x) < 0 in  $(0, \delta)$  and t(x) > 0 in  $(\delta, \infty)$ .

## Theorem 2.5 The inequality

(2.5) 
$$\frac{1}{1+\lambda x} < \frac{\sinh^{-1} x}{x}, \ x \in (0, \infty)$$

holds with the best possible constant  $\lambda = \frac{\sinh 2\pi \delta}{\sinh \delta} \approx 0.235361$  where  $\delta$  is the unique solution of the equation  $\sinh^2 x - x^2 \cosh x = 0$  as given in Lemma 2.1

## Proof. Let

$$\varphi(x) = \frac{x - \sinh^{-1} x}{x \sinh^{-1} x}, \ x \in (0, \infty)$$

and  $\sinh^{-1} x = t$ . Then  $x = \sinh t$ ,  $t \in (0, \infty)$  and  $\varphi(x) = \phi(t)$  where

$$\phi(t) = \frac{\sinh t - t}{t \sinh t} = \frac{1}{t} - \frac{1}{\sinh t}.$$

We differentiate  $\phi(t)$  with respect to t and get

$$\phi'(t) = -\frac{1}{t^2} + \frac{\cosh t}{\sinh^2 t}, \ t \in (0, \infty).$$

By Lemma 2.1, we infer that  $\phi'(t) > 0$  for  $(0, \delta)$  and  $\phi'(t) < 0$  for  $(\delta, \infty)$ . Thus  $\phi(t)$  is increasing in  $(0,\delta)$  and decreasing in  $(\delta,\infty)$ . This implies that  $\varphi(x)$  is increasing in  $(0,\sinh\delta)$  and decreasing in  $(\sinh \delta, \infty)$ . So  $\varphi(\sinh \delta) > \varphi(x)$  in either case and we get the inequality (2.5),

With the help of any graphical software, it can be seen that the lower bound of  $(\sinh^4 x) f x$  in (2.5) is better than the corresponding lower bound in (1.3) if  $\tau \ge \zeta$  where  $\zeta \approx 2.8162$  i.e., the inequality (2.5) is asymptotically far better. Again the upper bound in (2.1) is stronger than the corresponding upper bound in (1.3) if  $r \to \infty$ , In a similar sense, inequality (2.4) is better than inequality (1.4).

 Apparentions
 In this section, we present some applications of our results obtained in section 2. First of all, see
 for this section, we present some approximations of a which are tighter than those obtained in section again obtain new bounds for sinh 2x and tanh 4x which are tighter than those obtained in section

Proposition 3.1 If  $x \in (0, \infty)$ , then we have

$$\frac{1}{\sqrt{3}} \left( \frac{1}{3} \sqrt{1 + \sqrt{2}/3} + \sqrt{1 + \sqrt{4}} - 4 \right) < \sinh^4 x$$
and
$$\frac{1}{\sqrt{3}} \left( \frac{1}{3} \sqrt{1 + \sqrt{2}/3} + \sqrt{1 + \sqrt{4}} - 4 \right) < \sinh^4 x$$

and 
$$\frac{3}{(3.2)} \frac{1}{\frac{1}{12}} \left( 3x - \ln(1 + 4x) + \frac{1}{2} \left( \sqrt{1 + x^2} - 1 \right) \right) < \sin x - 3$$

where I is as defined in Theorem 2.5

Proof. From inequality (2.2), we write

(f. From inequality 12.2), we write 
$$\int_0^x \frac{t}{\sqrt{1+t^2}} \cdot dt < \int_0^x \sinh^4 t \cdot dt, \ t \in (0, \infty), \text{ and } x \in (0, \infty).$$

After evaluating we get

$$3 \left| \sqrt{1 + t^2/3} \right|_0^2 < \left| t \sinh^3 t - \sqrt{1 + t^2} \right|_0^2.$$

Equivalently,

$$3\sqrt{1 + x^2/3} - \sqrt{1 + x^2} - 4 < x \sinh^4 x.$$

This gives inequality (3.1) and inequality (3.2) is obtained by a similar technique using (2.5). It is observed that the inequality (3.1) is tighter than (2.2). The inequality (3.2) is sharper than (2.5) in (0, y) where  $y \approx 2.874$  and it is also sharper than the left inequality of (1.3) in the large interval (8, co) where \$ = 2.7858

Proposition 3.2 The inequalities

Proposition 3.2 The incomplete (3.3) 
$$\frac{1}{x} \ln \left( \frac{1}{(1-x^2/3)^{3/3}} \frac{1}{\sqrt{1-x^2}} \right) < \tanh^{-1} x$$

$$< \frac{1}{2x} \left[ \ln \left( \frac{1}{1-x^2} \right) - \frac{3}{2} \left( \left( 1-x^2 \right)^{2/3} - 1 \right) \right]$$

hold in (0, 1).

3

Proof. Consider the combination of left inequality of (2.3) and the inequality (2.4) as

6. Consider the combination of let integral 
$$\frac{3}{3-t^2} < \frac{\tanh^{-1} t}{t} < \left(\frac{1}{1-t^2}\right)^{1/3}, \ t \in (0,x).$$

Then integrating this inequality over (0, x), we get desired inequalities (3.3).

The left inequality of (3.3) is sharper than the corresponding left inequality of (2.3). Again the right inequality of (3.3) is sharper than (2.4) and it is also tighter than (1.4) if  $x \ge \zeta \approx 0.8595$ . Secondly, the inequalities

$$\left(\frac{\sin x}{x}\right)^2 + \frac{\tan x}{x} > 2, \ x \in (0, \pi/2)$$
and

$$2\frac{\sin x}{x} + \frac{\tan x}{3} > 3, x \in (0, \pi/2)$$

were proposed respectively by J. B. Wilker [15] and C. Huygens [10]. Here, we state and prove the inequalities of the above type for inverse hyperbolic functions ( $\sinh^{-1} x$ )/x and  $(\tanh^{-1} x)/x$ 

proposition 3.3 (Wilker type inequality). For  $x \in (0,1)$ , the inequality

$$\frac{\text{proposition}^{2}(x)}{(3.4)} \left(\frac{\sinh^{2}(x)}{x}\right)^{2} + \frac{\tanh^{2}(x)}{x} > 2$$

bolds true.

proof. From (2.2) and the left inequality of (2.3) we have

$$\left(\frac{\sinh^4 x}{x}\right)^2 + \frac{\tanh^4 x}{x} > \frac{3}{3+x^2} + \frac{3}{3+x^2} + \frac{3}{3-x^2}$$

$$= \frac{18}{(x+x^2)(x^2-x^2)}$$

$$= 2 \cdot \frac{9}{9-x^4} > 2.$$

The proof is complete

**Proposition 3.4** (Huygens type inequality): For  $x \in (0, 1)$ , it is true that

(3.5) 
$$2\frac{\sinh^{-1}x}{x} + \frac{\tanh^{-1}x}{x} > 3.$$

Proof. Again from the inequalities (2.2) and (2.3) we have

f. Again from the inequalities 
$$\frac{2 \sinh^4 x}{x} + \frac{\tanh^4 x}{x} > \frac{2\sqrt{3}}{\sqrt{3+x^2}} + \frac{3}{3-x^2}, \ x \in (0,1).$$

The inequality (3.2) will follow if we prove that

$$\frac{2\sqrt{3}}{\sqrt{3+x^2}} + \frac{3}{3-x^2} > 3$$

i.e.

$$\frac{2}{\sqrt{3(3+x^2)}} + \frac{1}{3-x^2} > 1$$

$$\sqrt{3(3+x^2)}x^2 - 2\sqrt{3(3+x^2)} > 2x^2 - 6$$

Since the quantities at both sides of the last inequality are negative on (0, 1), after squaring and

simplifying we say that we want

$$33x^6 + 211x^4 + 288x^2 > 0$$

For refinements of inequalities (3.4) and (3.5) we refer to [7]. which is true on (0, 1).

ror remements of mequanities (3-7) mankful to the Editor and Reviewer for their suggestions Acknowledgement. We are very much thankful to the Editor and Reviewer for their suggestions to improve the version in its present form.

- [1] G. D. Anderson, M. K. Vamanamurthy, and M. Vuorinen, Conformal Invariants, Inequalities References and Quasiconformal Maps, John Wiley and Sons, New York, 1997.
- [2] K. E. Aikinson, An Introduction to Numerical Analysis, John Wiley and Sons, New York, 2nd volume 1993.
- [3] Y. J. Bagul, and R. M. Dhaigude, Simple efficient bounds for arcsine and arctangent functions, (submitted), South East Asian Journal of Mathematics and Mathematical Sciences, 2021.
- [4] Y. I. Bagul, R. M. Dhaigude, Alternative proofs of Shafer's inequality for inverse hyperbolic
- [5] R. G. Bartle, and D. R. Sherbert, Introduction to Real Analysis, John Wiley and Sons(Asia),
- [6] G. F. Becker, and C. E. Van Orstrand, Smithsonian Mathematical Tables: Hyperbolic
- Functions, Smithsenian Institution, Washington, 1909. [7] C.-P. Chen, Sharp Wilker- and Huygens-type inequalities for inverse trigonometric and
- inverse hyperbolic functions, Integral Transforms and Special Functions, 23(12), (2012), 865-873. Doi: 10.1080/10652469.2011.644851
- [8] A. M. Fink, Two inequalities, Univ. Beograd. Pub. Elektrotehn. Fak. Ser. Mat. 6(1995), (1995)
- [9] V. Heikkaia, M. K. Vamanamurthy and M. Vuorinen, Generalized elliptic integrals, Comput. Methods Funct. Theory, 9(1) (2009), 75-109.
- [10] C. Huygens, Oeuvres Completes, Société Hollandaise des Sciences, Haga, 1888-1940.
- [11] D. S. Mitrinović, Analytic Inequalities, Springer-Verlag, Berlin, 1970.
- [12] R. E. Shafer, Elementary Problems: E 1867, The American Mathematical Monthly, 73(3) (1966), 309.
- [13] R. E. Shafer, Analytic inequalities obtained by quadratic approximation, Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. Fiz., No. 577-No. 598 (1977), 96-97.
- 1141 R. E. Shafer, On quadratic approximation II, Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. Fiz., No. 602-No. 603 (1978), 163-170.
- [15] J. B. Wilker, Elementary Problems: E3301-E3306, Amer. Math. Monthly, 96(1) (1989), 54-55.
- 1161 L. Zhu, New inequalities of Shafer-Fink type for are hyperbolic sine, Journal of Inequalities and Applications, 2008, Article ID 3682275, (2008), 5. Doi: 10.1155/2008/368275
- [17] L. Zhu, On a quadratic estimate of Shafer, J. Math. Inegal., 2(4), (2008), 571-574. Doi: 10.7153/jmi-02-51

Inni Khyat

185N- 2278 He12 vol 11 toom of No.02 February 2020

## TIME PRACTIONAL MAGNETO-THERMOELASTICITY WITH ROSENTHAL HEAT This Care Gray ! Loded Jonnal! V SOURCE AND EDDY CURRENT LOSS

J.J.Bikram & G.D.Kedar Department of Mathematics, RTM Naggar University, Naggur-440 033

(Maharashtra) India. L.C.Bawaukar, Department of Mathematics, Saujiyani College of Engineering, Kopargaon,

Ahmedragar- 423-603 (Maharashira), India, V.M.Rauf Department of Mathematics,Shri Shivaji Science College, Amravati-444603,India.

Abstract—In this paper, the analytical solution is obtained for time fraction heat conduction equation and thermal areas and thermal areas. and thermal stresses in one dimensional finite rod induced by transient magnetic field. Heat generahim is considered or a condition of Resemblet heat source and Fiddy current loss. The equations of electromagnetic field heat consection and elastic field are formulated. The Laplace and Fourier terms of sum of thermal and magnetic stress component. The thermal and magnetic spress components are arises due to eddy current loss and Lorentz force respectively. The time dependent magnetic field is taken in the form of exponential purific for numerical calculation. For result, an ifficial graphically to understand the effect of material order parameter on magnetic field, eddy current loss temperature distribution and stresses

Keywords--- Fractional diemicelasticity, Magneto-thermoclastic, Lorentz force, Eddy cur- tent. Rosenthal heat source. Thermal stresses

Many researchers studied the problems of thermoelasticity under the influence of magnetic field. We consider time dependent magnetic field if it acts on a conducting medium, generates heat which results into eddy current loss, causes temperature change in body. Subsequently two kinds of stresses emerge in the body, one is thermal stress due to eddy earnest loss and magnetic stress due to Lorentz force. The quasi-static problems with transcent thermal stresses in thin and thick bodies with and without heat generation were studied by many authors. Kulkarni et al. [1] explained the quasi-static thermal stress problem of rectangular plate subjected to constant heat supply. Deshmokh and Khandait [2] discussed about the thermal sites in a sample supported rectangular plate. Stell [3] has explained that by changing magnetic field generates oddy current which are loops of electrical conductor. The behavior of stress under the influence of manages, field was explained by [4] Mondo et al. [5] have discussed the effect of transient magnetic field on thermoelastic stresses in a conducting plate and determined quasi-static stresses in a one dimensional problem. In welding engineering problems such as cutting of metals, granding, hardening of allows laser cladding, etc. the cause of thermal conduction results from a Rosenthal heat source - It takes place in the form of transient heat transfer. The idea of evaluating the temperature distribution in solids due to Rosenthal heat source introduce by many researchers [6, 7, 8]. However, these theories are restricted to quasi stationary state and integer order heat conduction equation. The fractional calculus provides a generalization of the derivatives and integration to noninteger order [9]. Past few decades, shows the remarkable contribution of fractional calculus to both experimental and theoretical field. He and Guo [10] study the effect of time, velocity of the moving heat source and fractional order parameter on considered temperature, displacement and thermal stress for one dimensional thermoelastic rod. In the theory of [11, 12], the constitutive equation with the long tail power time non-local kernel is taken

$$q(t) = \frac{k^{-\alpha}}{\Gamma(\alpha)} \int_{0}^{t} t^{\alpha-1} \int_{0}^{t} g(\alpha)t(\alpha)d\alpha, 0 < \alpha \le 1$$
(1)

Page | 70



If UC Care Group to breed to provide

where q is the heat flux related to the femperature gradient q = -kt Vf, kt is the thermal conductivity Equa. (1) and (2) leads to the time fractional heat conduction equation with Caputo derivative [131,154]

$$\frac{1 \, \partial^2 T}{a \, \partial t^2} = \Delta T.0 < \alpha \le 2,$$
(3)

where T (x,t) is temperature change,  $\frac{\partial}{\partial t}$  is a Caputo fractional derivative defined as [11]

$$\frac{e^{2\tau}}{e^{2\tau}} = f^{\alpha T} = \begin{cases} \frac{e^{2\tau}}{e^{2\tau}} & \text{for } \alpha = neR \\ \frac{1}{V(n-\epsilon)} \int_{0}^{\infty} (t-\tau)^{n-\epsilon} \frac{df}{dt^{\alpha}} d\tau & n-1 < \alpha < n \end{cases}$$
(4)

The equation (3) provides the whole spectrum from head heat conduction (as a +0) through the standard heat conduction (a +1) codes by bulbs of heat each time and a +1 of the spectrum from heat capacity.

The aum of the work is to obtain the mathematical model for the dimensional time fractional thermoelastic field with Rosenthal heat source. The solution is obtained for temperature and elastic field in presence of magnetic field. The Laplace and Fourier transform techniques are adopted to deal with time and space variable respectively. The stresses obtained are the combination of thermal and magnetic stresses which are due to eddy current loss. Rosenthal heat source and Lorentz force respectively. For numerical calculation excitation is taken in the form of exponential function. The effect of fractional order parameter is observed on temperature distribution, thermal stresses, magnetic stresses, eddy current loss and magnetic field.

#### 2 Mathematical Formulation

## 2.1 Electromagnetic Field

Consider the magnetic field  $H = (0.0, H_Z(x, t))$  in the conducting plate, and the electric field be  $E = (0, E_y(x, t), 0)$ . The conducting plate of thickness 2L with time dependent magnetic field is considered as  $H_{s0}(t)$  distributed uniformly and act on both side surfaces of the plate, where  $H_s$  be a magnetic field strength and c(t) is time function

(8)

$$curlE = -B$$
The governing equations of electromagnetism by neglecting the displacement current are given by  $[5]$ 

Jy = 65y By = 65y where  $B_Z$  is magnetic flax in z direction.  $D_Y$  is the components of the current density in y direction, as magnetic nearest the contract of the current density in y direction. is magnetic permeability and or is electric conductivity in a conducting rod.

The equation of magnetic field is given by [5]

 $H_{Z,XX} = \mu \sigma H_{Z,1}$ where , comma denotes partial differentiation with respect to followed variable. The mitial and boundary conditions are given by

$$\begin{array}{ll} \text{at } \mathbf{x} = \pm \mathbf{L}; & \mathbf{H}_{\mathbf{Z}} = \mathbf{H}_{0} \phi(t) \\ \text{at } t = 0; & \mathbf{H}_{\mathbf{Z}} = 0 \end{array} \tag{10}$$

The current density is denoted by Jy which is produced by change in magnetic field called eddy current which produces joule heat. The eddy current loss to(x,t) is obtained from eddy current Jy. The eddy current loss is given by [5]

$$\omega(\tau, \tau) = \frac{|\dot{\rho}_{\gamma}(x, t)|^2}{2\pi}$$
(11)

#### 2.2 Temperature Field

In this paper, we consider homogeneous isotropic thermoelastic finite space occupying the region  $-L \le$  $x \le L$ . It is assume that the initial state of the medium is quiescent and insulated at boundary. The coordinates (x,t) are used and the problem is restricted to moving heat source. The problem is thus one dimensional with all functions considered depending on the space variable x as well as on the time variablet. The surface of the medium is taken traction free. The problem is considered within the context of the theory of thermoelasticity with time fractional order a

The one dimensional time fractional order heat conduction equation with instantaneous moving heat source is [11, 15]

$$\frac{1}{a} \frac{e^{\alpha}T}{\alpha' dr'} \frac{e^{2}T}{e^{\chi} r'} \frac{g(x,t)}{k}, \quad 0 < \alpha \le 2, \quad -b \le x \le L, t \ge 0$$
(12)

The boundary conditions and the initial condition are

initial condition are
$$\frac{\partial T(-I,t)}{\partial x} = 0$$

$$\frac{\partial T(x,t)}{\partial x} = f(t),$$

$$T(x,0) = 0, 0 < \alpha < 1,$$

$$T(x,0) = \frac{\partial T(x,t)}{\partial x}|_{x=0} = 0, 1 < \alpha \le 2,$$
(13)

where g(x,t) is the heat generator factor, K is bulk modulus

## 2.3 Elastic field

Page 172

(CGC Care Group I Listed Journal)

Vol-11 Issue-01 No.02 February 2021

The effect of magnetic field we alts the occurrence of Locate force, for one dimensional problem it has component only [5]

$$f_{\gamma} + J + H = \begin{pmatrix} 0 \\ \frac{\partial H_{\gamma}}{\partial T_{\gamma}} \end{pmatrix} \begin{pmatrix} 0 \\ 0 \\ \frac{\partial H_{\gamma}}{\partial T_{\gamma}} \end{pmatrix} \begin{pmatrix} \frac{0}{2} \frac{2[H_{\gamma}(x_{\gamma})]^{2}}{2^{2}x_{\gamma}} \\ 0 \\ 0 \end{pmatrix}$$
(14)

Simplifying the equation as

$$f_{s} = \frac{\mu}{2} \frac{\partial [H_{s}(x,t)]^{2}}{\partial x}$$
(15)

where  $f_{ij}$  depends on x and t. The displacement vector is considered as (u(x,t),0,0). The analysis of the stresses and deformations in the rod is carried out by considering the stress displacement relations defined as in [15]

$$\sigma_{n}(v,t) = \frac{(1-v)E}{(1-v)E} \begin{bmatrix} \tilde{\sigma}u & 1+v \\ -v \end{bmatrix}$$

$$\sigma_{n}(v,t) = \sigma_{n}(x,t) = \frac{(1-v)E}{(1+v)E(-2v)} \begin{bmatrix} v & \tilde{\tau}u & 1+v \\ 1-v & \tilde{\alpha}v & 1-v \end{bmatrix}$$

$$\sigma_{n}(x,t) = \frac{E}{L} \frac{\tilde{\sigma}u}{2}$$

$$\sigma_{n}(x,t) = \frac{E}{L} \frac{\tilde{\sigma}u}{2}$$
(16)

where  $\sigma_{\alpha}, \sigma_{\alpha} \sigma_{\alpha}$  the stress components and E the Youne's modulus, v the Poisson's ratio and our the coefficient of linear thermal expansion. The mandictatic women of an error in the scale of the

$$t_1 = \frac{1}{12} = 0$$
 (17)

To simplify the displacement equation of motion (17) use the equs. (15) and (16) one obtains

$$\frac{\partial^{2} u}{\partial x} = \frac{1 - v}{1 - v} \frac{\partial T}{\partial x} - \frac{(1 + v)(i - 2v)}{(1 - v)E} \frac{u}{2} \frac{\partial [H_{+}(x, t)]^{2}}{\partial x}$$
(18)

The mechanical boundary conditions and initial condition are

$$\frac{\partial u(\pm a, t)}{\partial x} = \frac{1 + \nu}{1 - \nu} \alpha T,$$

$$u(x, 0) = \frac{\partial u}{\partial x} = 0$$

2.4 Dimensionless Quantities

2.4 Differentiables quantities are defined to reduce the physical components of the problem

$$\overline{T} = \frac{T}{T_n} \left[ \frac{1}{x - Y} + \frac{1}{x - Z} \right] \left( \frac{1}{x - Z} \right)^2 \frac{1}{x - Z} \left( \frac{1}{x - Z} \right) \frac{H}{H_n} \left( \frac{H}{H_n} \right) \frac{1}{x - Z} \left( \frac{1}{x - Z} \right)$$

Page 173

Copyright @ 2021 Author

(19)

d'GC Care Croup I Listen fearcail

$$\lim_{t\to\infty} \frac{ds^{\frac{1}{2}} ds^{\frac{1}{2}}}{ds^{\frac{1}{2}}} \cdot \widetilde{f}_{1} = \frac{ds^{\frac{1}{2}}}{\mu f \widetilde{f}_{1}^{\frac{1}{2}}} \cdot \widetilde{\beta} = \frac{v(1-2v)}{\mathcal{E}(1-v)} \cdot Z_{1} = \frac{\mu f \widetilde{f}_{1}^{\frac{1}{2}}}{\left(2cc_{1}T_{0}\right)}.$$

3 Solution

farmulating the differentiabless components in (9) and (10), the electromagnetic field along with boundary and initial conditions reduces to

$$\frac{\partial^2 \overline{H}_*}{\partial x^i} = A \frac{\partial \overline{H}_*}{\partial x^i} \tag{22}$$

at 
$$x = x + \overline{x} + \overline{x} + x + \overline{x} + \overline{x} = 0$$
  
if  $\overline{x} = 0$ ,  $\overline{H} = 0$  (23)

Eddy current is

$$\widetilde{J}_{A}(\widetilde{x},\varepsilon) = \frac{\partial \widetilde{H}_{B}(\widetilde{x},\varepsilon)}{\partial x}$$
 (24)

Dimensionless form of eddy current loss (11) is obtained as

$$\widetilde{\psi}(x,z) = \left[\widetilde{T}_{\nu}(x,z)\right] \tag{25}$$

The solution of electromagnetic field can be obtained by introducing the inhomogeneous boundary conditions into homogeneous, one defines

$$\overline{H}_{x}(\overline{x}, \tau) = h_{x}(\overline{x}, \tau) + \phi(\tau)$$
 (26)

Substituting (26) into (22) and (23) we get

$$\frac{\partial^{2} h_{i}}{\partial \overline{\chi}^{2}} = A \left( \frac{\partial h_{i}}{\partial \tau} + \frac{\partial \phi(\tau)}{\partial \tau} \right)$$
(27)

The boundary conditions and the material condition coducer to

at 
$$a = \pm 1$$
,  $h_s = 0$  (28)  
at  $\tilde{z} = 0$ ,  $h_s = -\phi(0)$ 

One assumes the solution of equation (27) as

$$h_r(\bar{x}, \tau) = \sum_{i=1}^{n} a_r(\tau) \cos(k_n \bar{x})$$
 (29)

where  $an(\tau)$  is unknown and kn are the positive roots of eigen equation

$$cos(k_n) = 0$$
  $k_n = \frac{(2n-1)\pi}{2}, n-1, 2,$  (30)

Substitute the assumed solution (29) in equation (27) one gets.

$$\sum_{i=1}^{\infty} -k_{ii}^{2} \sigma_{i}(t) \cos(k_{i} \tilde{\lambda}) = A \sum_{i=1}^{\infty} \frac{\partial \sigma_{i}(t)}{\partial \tau} \cos(k_{i} \tilde{\lambda}) + A \frac{\partial \phi(\tau)}{\partial (t)}$$
(31)

Multiply equation (31) by  $\cos(k, \tau)$  and integrate it from -1 to 1 and using orthogonal property

$$\int_{0}^{\infty} e^{-it} dt = 0 \quad \text{or thogonal property}$$

$$|0|(m \neq n)$$
(32)

One gets

Page 174

Copyright (a) 2021 Autnor

the Care Group Claud top at the street to the street of th

$$\frac{\partial A^{(r)}}{\partial r} = \frac{\hat{\lambda}^2 \psi_1^2(r)}{A} = \int \frac{\hat{\mu}_1^2(r)}{\hat{\psi}(r)} \cos(k_e r) dx$$
 (33)

The solution of linear differential equation (33) is obtained as

$$a_e(\tau) = \frac{2(-1)^s}{l} \int_0^{\tau} e^{-\frac{i\beta(\tau)}{l}} \frac{\partial \phi(\tau')}{\partial (\tau')} d\tau'$$
(34)

The complete solution of the electromagnetic field (26) becomes

$$\widetilde{H}_{2}(\overline{x}, \overline{x}) = \phi(\overline{x}) + 2\sum_{s=1}^{\infty} \frac{(-1)^{s}}{k_{s}} \cos(k_{s} \overline{x}) \delta_{s}(\overline{x})$$
(35)

Where 
$$h_i(\tau) = \int_{0}^{\infty} e^{-\frac{i}{2}} \frac{\partial g(\tau)}{\partial x^i} dx^i$$
 (26)

Jasen the above equation in (24) and the oldy current loss (25), we ret

$$\mathcal{L}_{i}(x_{i}, \varepsilon) = 2\sum_{i} (-1)^{r_{i}} \sin(\hat{x}_{i}x)b_{i}(\varepsilon) \qquad (37)$$

$$\omega(x|z) = 4\sum_{n=1}^{\infty} \sum_{i=1}^{n} (-1)^{nx} \operatorname{sin}(x_n \operatorname{Cont}(\hat{x}_n \nabla P_n)) \Psi_n(z)$$
 (58)

## 3.2 Temperature Field

1

Using dimensionless quantities (20) the fractional heat conduction equation leads to

$$\frac{\partial^{\alpha} T}{\partial z} = \frac{\partial^{2} T}{\partial x} + \overline{g(x, r)}, \quad 0 < \alpha \le 2, \quad -1 \le x \le 1, r \ge 0$$
(39)

The boundary conditions and the initial condition in dimensionless form are

$$\frac{\partial T_{i}(\mathbf{r})}{\partial x} = f_{i}(\mathbf{r}),$$

$$\frac{\partial T_{i}(\mathbf{r})}{\partial x} = f_{i}(\mathbf{r}),$$

$$T_{i}(\mathbf{x}, 0) = 0, 0 < \sigma < 1,$$

$$T_{i}(\mathbf{r}, 0) = \frac{\partial T_{i}(\mathbf{r}, 0)}{\partial x} = 0, 1 < \sigma < 2.$$
(40)

The first source gas  $I(16 \times 134)$  is a marking first source of Rescuttal type of constant strength  $\chi_1(V/m^2)$  mesting with constant velocity  $\theta$  along positive x direction, due to the effect of eddy current loss  $\sigma X_1(1)$  associated as

$$g(x,\tau) = g_n \delta(x - \delta \tau) \rho(x,\tau),$$
 (43)

By employing a new co-ordinate  $\xi$  the fixed coordinate system is transformed to the moving coordinate system with the source. This is made possible by choosing:

$$\xi = x - 9\tau$$
 (42)

Introducing the above transformation to the non-dimensional fractional differential (39), we get dimensionless fractional heat conduction equation with Rosenthal moving heat source as

Page (75

The trengelinted located Vol. 11 Jone-91 Ac.02 February 2021

$$\frac{e^{-\frac{\pi}{2}}}{\partial x^*} + (-g)^* \frac{\partial^{-\frac{\pi}{2}}}{\partial z^*} + \frac{\partial^{-\frac{\pi}{2}}}{\partial z^*} + p_a A(z) \hat{k}o(v,z)$$

right Laplace transferm for Capulo tractional derivative was a parameter a and quiescent initial condition had conduction equation (41) will takes the form

$$\frac{1}{\sqrt{2}} \widetilde{I}(\xi, v) = (-\partial)^{\alpha} \frac{\widetilde{v}^{\alpha}(I(\xi, v))}{\psi \xi} + \frac{\widetilde{v}^{\alpha}(I(\xi, v))}{\psi \xi} + \phi \operatorname{SL}_{\alpha} \widetilde{V}_{\alpha} \widetilde{v}_{\alpha} + v$$

Taking Fourier transform of equation (44) with z parameter, one obtained the temperature distribution in the red as

 $\overline{f}(g,s) = \frac{g_s F^{\frac{1}{2}} S\left(\xi | \overline{\phi}(\xi,s) \right)}{\left(-1 \cdot \frac{g_s F^{\frac{1}{2}}}{2} \right)^{\frac{1}{2}}}$ (45)

Applying inverse Laplace transforms and inverse Fourier transform to (45) and then in obtained solution back substituting \( \xi\$, one gets the temperature distribution as

$$\widetilde{f}(x, \mathbf{r}) = 4\pi \sum_{n=1}^{\infty} \sum_{n=1}^{\infty} \sum_{n=1}^{\infty} \sum_{n=1}^{\infty} \left[ -1\right]^{n+n+2} \frac{e^{i\hat{x}^2} f(k_n + k_n) \sin(k_n \theta \tau) \sin(k_n \theta \tau) \sin(k_n \theta \tau)}{\Gamma(nk + 1) \Gamma(nk + 1) \Gamma(nk + 1) \Gamma(nk + 1)}$$
(46)

$$\cos\left(r_{\varepsilon}(x-\theta\tau)\right)^{\frac{1}{2}(x-\theta\tau)} \xrightarrow{2\sin(x-\theta\tau)} \frac{2\cos(x-\theta\tau)}{r_{\varepsilon}^{2}} + (-1)^{\alpha}\theta^{\alpha}\sum_{s=0}^{\infty} \frac{(-1)^{s}(x-\theta\tau)^{2}}{s}$$

Where

Where 
$$\gamma(k_1, k_1 + k_2)' + (-1)(\gamma(k_1' + k_1' + k_1' + k_2' + k_1')) = \frac{(2\mu + 1)\tau}{2}$$
 (47)

3.3 Elastic field

Using (20) and (21) the dimensionless form of lorentz to the (15)  $\rho$ 

$$\overline{t} = \frac{1}{2} \frac{\overline{c} \sqrt{f_{\perp}} |\epsilon, \epsilon|^{\frac{3}{2}}}{2\pi}$$
(48)

The new form of stress displacement relations (16) by using dimensionless quantities (20), (21) are

$$\widetilde{\sigma}_{\Xi}(\widetilde{z}, t) = \frac{\widetilde{\delta u}}{\delta x} - \widetilde{T}$$

$$\widetilde{\sigma}_{\Xi}(\widetilde{z}, t) = \widetilde{\mu} \frac{\widetilde{c}u}{\delta x} - \widetilde{t}$$

$$\widetilde{\sigma}_{\Xi}(\widetilde{z}, t) = \widetilde{\mu} \frac{\widetilde{c}u}{\delta x} - \widetilde{t}$$
(49)

Also the dimensionless equation of motion

$$\frac{\partial^2 u}{\partial x^2} = \frac{v}{\rho E} \frac{\partial T}{\partial x} \times \frac{\partial T}{\partial x} \times \frac{\partial \overline{H}}{\partial x}$$
(50)

with corresponding boundary conditions and initial condition are

$$\frac{\partial u(\pm 1, \tau)}{\partial x} = \frac{v}{\beta[1 - v]} \tilde{T},$$

$$u(x, 0) = \frac{\partial u}{\partial \tau} = 0$$
(51)

The displacement and stresses solution are combination of thermal and magnetic components, obtained due to eddy current loss and Lorentz force as follows

$$\widetilde{u}(x, \tau) = \widetilde{u}^{\tau}(x, \tau) + \widetilde{u}^{\upsilon}(x, \tau)$$

$$\widetilde{\sigma}_{m}(\overline{x}, t) = \widetilde{\sigma}_{n}^{-1}(\overline{x}, t) + \widetilde{\sigma}_{n}^{-1}(\overline{x}, t)$$

$$\widetilde{\sigma}_{m}(\overline{x}, t) = \widetilde{\sigma}_{n}^{-1}(\overline{x}, t) + \widetilde{\sigma}_{m}^{-1}(\overline{x}, t)$$

$$\widetilde{\sigma}_{n}(\overline{x}, t) = \widetilde{\sigma}_{n}^{-1}(\overline{x}, t) + \widetilde{\sigma}_{m}^{-1}(\overline{x}, t)$$

$$\widetilde{\sigma}_{n}(\overline{x}, t) = \widetilde{\sigma}_{n}^{-1}(\overline{x}, t) + \widetilde{\sigma}_{m}^{-1}(\overline{x}, t)$$
(53)

magnetic component arises due to Lorentz force. The thermal and magnetic components of displacement are obtained by solving the equation (50) and using conditions (51)

$$\widetilde{u}'(\widetilde{x}, t) = \frac{1}{\beta(1-v)} \int_{\widetilde{x}} \widetilde{I}(x, t) d\widetilde{x}$$

$$\widetilde{u}''(\widetilde{x}, t) = [g(t)] \frac{v}{\beta(1-v)} \int_{\widetilde{x}} \widetilde{H} \cdot \widetilde{f}(\widetilde{x}) d\widetilde{x}$$
(54)

Putting these displacement components (56) in equation (51), the thermal and magnetic stress components are obtained as

$$\widetilde{\sigma}_{\alpha}^{-1}(\widetilde{\mathbf{x}}, \mathbf{r}) = 0 \quad \widetilde{\sigma}_{\alpha}^{-M}(\widetilde{\mathbf{x}}, t) = \frac{\nu}{\beta(1-\nu)} \left[ (\varphi(t))^{3} - \left[ \widetilde{H}_{z} \right]^{3} \right]$$

$$\widetilde{\sigma}_{\alpha}^{-1}(\widetilde{\mathbf{x}}, \mathbf{r}) = \frac{(2\nu - 1)}{(1-\nu)} \widetilde{T}, \quad \widetilde{\sigma}_{B}^{-M}(\widetilde{\mathbf{x}}, \mathbf{r}) = \frac{\nu}{(1-\nu)} \left[ (\varphi(t))^{3} - \left[ \widetilde{H}_{z} \right]^{3} \right]$$

$$\widetilde{\sigma}_{\alpha}^{-1}(\widetilde{\mathbf{x}}, \mathbf{r}) = \frac{\nu}{\beta(1-\nu)} \widetilde{T}, \quad \widetilde{\sigma}_{\alpha}^{-M}(\widetilde{\mathbf{x}}, \mathbf{r}) = \frac{\nu}{\beta(1-\nu)} \left[ (\varphi(t))^{3} - \left[ \widetilde{H}_{z} \right]^{3} \right]$$
(55)

In order to study the effect of Rosenthal heat source and eddy current loss under the influence of magnetic field in a conducting red, we considered copper material for numerical computations and values of material constant are taken as [5]

ordinating Formula (1997) 
$$\frac{H}{m}$$
 ( $\sigma = 3.42 \times 10^7$  ( $\frac{S}{m}$  ),  $\kappa = 92.6 \times 10^{-6}$  ( $\frac{m^2}{5ec}$ ),  $\nu = 0.33$ ,  $k = 70 (GPd)$ ,  $K = 386Wm^{-1}$  k  $_2$  ,  $\alpha_1 = 1.76 \times 10^{-6}$  ( $1/K$ ),  $\alpha_2 = 0.39 \times 10^{-3}$ 

The arbitrary excitation function  $\varphi(\tau)$  and the function  $f_i(\tau)$  are chosen in the following form

$$\overline{f_i}(\tau) = e^{\tau}, \quad \phi(\tau) = 1 - e^{\tau}$$
(56)

To illustrate the magneto-mermoelastic problem with time fractional temperature distribution we keep the to mustime the imaginer at 9 = 2.4. We consider numerical computation which gives the variation in speed of moving velocity at 9 = 2.4. We consider numerical computation which gives the variation in speed of moving veneral, and speed of moving veneral loss, temperature change and stress field for the various values of fractional magnetic field, eddy current loss, temperature change and stress field for the various values of fractional magnetic near visco survival and the parameter (a). Figure 1 represents variation of magnetic field with time for various values of  $\alpha$ parameter (ii) Figure 1 and that the magnetic field increases and become steady as time passes. In 0.25,0.75,1.25,1.5. It is found that the magnetic field increases and become steady as time passes. In 0.25,0.75,1.25,1.5. It is round for early current loss with tone for the datherent values of it are plotted. Butly Figure 4, the disaction of a control of the content shows peak near about \$\tau = 0.18\$ and it decays slowly with time. Figure 3 and Figure 4 represent temperature distribution with time for the various values of a and 9. The effect of eddy current loss and temperature distribution with the different values of a and velocity. Temperature shows peak at time  $\tau = 0.44$ .

peak at time  $\tau = 0.44$ . Figure 5 shows temperature distribution with space variable x for the value of 9 = 2.4 and t = 0.1 such that Figure 5 shows temperature  $\approx 0.24$  and it is also observed that the temperature gradually decreases as x increases. the peak arrive at x = 0.22 the peak arrive at x = 0.22 the stress is a sum of two components; one is thermal stress and magnetic stress. Figure 6 and Figure 7

Note 11 Issue-Qi No. 02 Tebrasi j 2021

represents the runal stress distribution with time and shows significant changes with the passage of While the Figure 8, Figure 9 and Figure 10 represents magnetic stresses with respect to time. It shows me significant difference for fractional parameter.

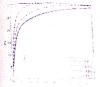


Fig. 1. Distribution of magnetic field (H<sub>c</sub>) verses time (t) for various values of a.

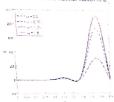


Fig. 3. Distribution of temperature (T) verses time (1) for various values of a

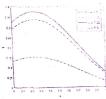


Fig. 5. Distribution of (emperature (T) verses time (x) for various values of u



Fig2 Distribution of eddy current loss (in) verses time (t) for various values of a

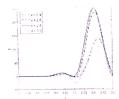


Fig. 4. Distribution of temperature (T) versus time as the care as walled it.

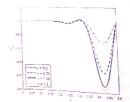


Fig. 6 Distribution of thermal stress (G<sub>yy</sub>T) verses time (t) for various values of a

Page 178

is a literate vo.02 February 2021

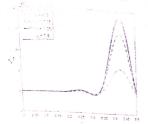


Fig. 7. Distribution of thermal stress  $(\sigma_{xy}^{-1})$ verses time (1) for various values of  $\alpha$ 

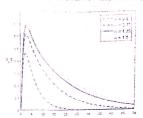


Fig. 8. Distribution of magnetic stress (σ<sub>xx</sub><sup>M</sup>) verses time of effect various values of a

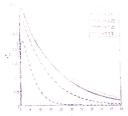


Fig. 6 Distribution of magnetic stress (σ<sub>xy</sub><sup>M</sup>) verses time (τ) for various values of α

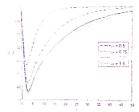


Fig. 16. Distribution of magnetic stress  $(\sigma_{xx}^{M})$ verses time  $(\tau)$  for various values of  $\alpha$ 

#### 5 Conclusion

In this paper, a conducting rod under the effect of magnetic field due to eddy current loss with the time fractional thermoelasticity theory is presented. The hear conduction equation is subjected to Rosenthal hear source. The problem is solved by asing Laplace and Fourier transform technique. The effect of different values of fractional parameter  $\alpha$  on temperature and stresses are observed. We conclude the following facts.

- we conclude the following model in all figures, the distributions considered have nonzero value which means that the region does not felt a thermal disturbance.
- which means that the regarding order parameter, the temperature and the eddy current loss increases while the effect of magnetic field and the stress components  $\widetilde{\sigma}_{yx}^{-z}(\overline{x}, \tau)$ ,  $\widehat{\sigma}_{xy}^{-w}(\overline{x}, \tau)$  reduces. On the other hand, the remaining components of stresses are also reduces with the decrease in fractional order.
- decrease in fractional order.

  3. The temperature of the conducting rod increases as the speed of the moving heat source increases.

Page | 79

(IGC Care Group 1) isted Journal)

1888: 2278-4632

Vol.11 Issue-01 You receive the result of this analysis is expected to help in understanding the phenomena of magneto-thermoela-in my development in conducting rod of fractional order parameters.

## Acknowledgements

The first author wishes to thank, Dr. Ganesh Kedar of Rashtrasant Tukdoji Maharaj Nagpur Uni-versity, Nagpar for their assistance that greatly improved the manuscript. Also wishes to thank the refrees for their

#### References

[1] V. S. Kulkarni and K. C. Deshmukh. "A Brief Note on Quasistatic thermal Stresses in a Restaugular Plate" Far Fast Journal of Applied Mathematics, 26(1):349-360, October 2007.

[2] K. C. Deshmakh and M. V. Khandan, "Thermal Stresses in a Simply Supported Plate with Thermal Ber Jose Moments with Heat Source" Material Physics and Mechanics, 21(2) 135–146, August 2014 ISSN 0022-1481 de-

[3] R. L. Stoll, "The Analysis of Eddy Currents", Clarendon Press Oxford, 26(4):124-126, Decem- ber 1974. URL. http://adsabs.harvard.edu/abs/2018arXiv180109775H

[4] F. C. Moon and S. Chattopadhyay. "Magnetically Induced Stress Waves in a Conducting Solid.", Theory and Experiment Journal of Applied Mechanics, 41(3):641-647, September 1974. doi: 10.1115/1.3423363

[8] M. Higuchi, R. Kawamura, Y. Tanigawa, and H. Fujieda "Magnetothermoelastic Stresses Induced by a Transient Magnetic Field in an Infinite Conducting Plate". Journal of Mechanics Of Material And Structures, 2(1):113-130, March 2007, doi: 10.2140/jonims.2007.2.113 [6] Daniel Rosenthal, "The theory of moving sources of heat and its application of metal treatments". Transactions

of ASMF, 68 849-866, 1946.

[7] R Weichert and K Scho'nert, "Temperature distribution produced by a moving heat source". The Quarterly Journal of Mechanics and Applied Mathematics, 31(3) 363-370, 1978

[8] Auan-Tan Pham, "Two-domensional resential moving heat source analysis using the meshless element free galerkin method". Numerical Heat Transfer, Part A. Applications, 63(11):807-823, 2013.

[9] Kenneth S Miller and Bertram Ross, "An introduction to the fractional calculus and fractional differential equations". Wiley, 1993.

[10] Tranhu He and Ying Guo, "A one-dimensional thermoelastic problem due to a moving heat source under fractional order theory of thermoelasticity". Advances in Materials Science and Engineering, 2014. [11] Rudolf Gorentio, Asaf Iskenderov, and Yuri Luchko, "Mapping between solutions of fractional diffusion-wave

equations" Fractional Calculus and Applied Analysis, 3(1):75-86, 2000. [12] Y.Z. Povstenko, "Theory of thermnelasticity based on the space-time-fractional heat conduction equation,"

Physica Scripta, 2009(T136) 014017, 2009 [13] A.A. Kilhas and Srivastava HM& Trujillo JJ. 2006 "theory and applications of fractional differ ential

[14] Igor Podlubny, "Fractional differential equations", vol. 198 of mathematics in science and en-gineering, 1949. [15] Alexander J. Saichev and George M Zaslavsky. Fractional kinetic equations: solutions and applications.

Chaos An Interdisciplinary Journal of Nonlinear Science, 7(4):753-764, 1997. [16] N. Noda, RB Hetnarski, and Y Tanigawa. Thermal stresses, taylor & francis. New York, 260, 2003.

[17] J.I.Bikram, G.D. Kedar, V. Rata, "Study of Time fractional heat conduction equation in rectangular plate. Novyi MIR Research journal, 5(10) 93-104,2020

[18] J Bistram, G.D. Kedar "Study of Thermoelasticity Problem based on Space Fractional Heat Conduction Equation by HPM", Science and Engineering Journal, 24(10): 387 - 394,2020.

[19] S. P. Pawag, J. J. Bikram, G. D. Keda . Thermoelastic Behaviour in a Multilayer Composite Hollow Sphere with Heat Source" ornal of Solid mechanics, 12(4) 883-901, 2020.

Page | 80



## 'RESEARCH JOURNEY' International Multidisciplinary E- Research Journal Impact Factor - (CIF) - 3.452, (SJIF) - 6.261, (GIF) -0.676 (2013)

Special Issue 76: Self Employability Skills Development in **Physical Education and Sports Sciences** 

UGC Approved No. 40107 & 44117

2348-7143 December 2018

The application of psychological principles to the improvement of performance in sports has received greater attention in these days. There are certain accepted psychological principles which have to be applied, so that the athletes and players are able to show their best in their performances. Coaches, physical educationists and sports scientists have always expressed a great need to know more about those psychological principles, which are helpful in improving the motor skills of the players. It is important to know about the role of personality traits of the players during training as well as competitive situations.

Sport psychology researchers have been interested in how athletes' psychological and characteristics influenceperformance. From this point, it is clear that psychological characteristics differ between more and less effectiveathletes and teams. Moreover, the ability to mentally prepare is considered a key component of such differences. The importance of personality as a predictor for behavior performance has been recognized in psychology. Researchers have recently reported the significant effects of personality on sports. When sportspersonscontribute incompetitive sport, their underlying personality characteristics inevitably contribute to how they behave. Personalityhas been defined as "psychological qualities that contribute to ancharacter's enduring and distinctive arrays offeeling, thinking and behaving".

Personality is the total picture of one's organised behaviour. Personality is the sum of activities that can be discovered by actual observations over a long enough period of time to give reliable information. Personality is the sum of people's values and attitudes plus all of their traits, and that this sum is always a dynamic organization. In common usage, the term personality refers to vaguely conceived human quality which everyone recognizes as a special importance in inter-personal relation. It is a term frequently used in conversation, particularly when the topic involves social interaction. Individuals have difficult personalities, charming personalities, pleasing personalities, ugly personalities and the like-people are also to be having no personalities or are said to be full of radiating personalities. In common conversation, their personality is what one has of lacks as a person. Personality is also a product of biological and cultural heritage. A child is born with some biological heritage while the cultural environment moulds and shapes his personality, Personality is a product of the interaction of a biological organism with social environment. In other words, personality is a way and individual is adjusts with one external environment. In fact, it is a way of responding to the environment. Each one of us has a unique system that determines and reflects characteristics behavior and thoughts.

Website - www.researchjourney.net

Email - researchjourney 2014 gmail.com



Shri Shivaji College of Education Amravati.



Impact Factor ( (CIF ) + 3.452. (SIF) = 0.201. (GIF) +0.076 (2013) Special Issue 76 : Selt Employability Skills Development in Physical Education and Sports Sciences UGC Approved No. 40107 & 44117

ISSN: 2348-7143 December 2018

## Materials and Methods

### Subject

The main purpose of the study was to find out the significant difference between Personality Traits of Different level of Achievements of Female Athletes For this study data were collected with purposive sampling methods. Sixty (60) female athletes, 20 from each participated in the Maharashtra State Tournaments (20), Inter Collegiate Tournaments of Sant Gadge Baba Amrayati University, Amrayati (20) and Inter University Tournaments (20). The age of the players were ranged between 18 to 28 years. Subjects did not use any ergogenic aids or supplementations and also they were all free from any injuries during the collection of data.

## Administration of the test

To assess the personality of female athlete, Eysenck Personality Questionnaire - Revised (FPQ-R) were used. The FPQ measures the traits of personality: Psychoticism (P), Extraversion (F), Neuroticism (N) and Lie (L), FPQ-R contains 90 items and covers all the four categories above mentioned. Scoring of FPQ-R can be done manually or with the help of steneils. I mark for each corrects responses according to scoring key of FPQ-R.

#### Statistical Analysis:

In order to find out the significant difference between personality traits of different level of achievement of female athletes the analysis of variance (ANOVA) was applied at 0.05 level of significance.

Analysis Of Variance of Personality Traits among State, Inter Collegiate and Inter University Players

|              | mier e  | mocisii | t mye |       |        |
|--------------|---------|---------|-------|-------|--------|
| Traits       | SV      | SS      | df    | MS    | F      |
| Psychoticism | between | 3.7     | 2     | 1.85  |        |
|              | error   | 61.3    | 57    | 1.075 | 1.72   |
| Extraversion | between | 6.3     | 2     | 3.15  | 3.2434 |
|              | error   | 55.35   | 57    | 0.971 |        |
| Neuroticism  | between | 0.7     | 2     | 0.35  | 0.343  |
|              | error   | 58.15   | 57    | 1.02  |        |

<sup>\*</sup>Significant at 0.05 level

Above table revealed that there was insignificant difference in Psychoticism and Neuroticism among State, Inter Collegiate and Inter University Players as obtained F-ratio was 1.72 & 0.343 which is lesser than that of required

Website - www researchjourney net Email - researchjourney 201 igmad com

Tabulated T 0.05 . . . 3.158

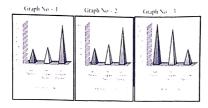


## RESI MICH JOHRNEY International Multidisciplinary E. Rewarch Journal Impact Factors (CW) 34/52. (MF) - 62/61. (GF) -0.67/6 (2013) Special Issue 7c. (Saft).

Special Issue 76 : Self Employability Skills Development in Physical Education and Sports Sciences UGC Approved No. 40107 & 44117

ISSN: 2348-7143 December 2018

tabulated 'T' value of 3.158whereay Extraversion shows significant differenceamong State, Inter Collegate and Inter University Players as obtained E-ratio was 3.243 which is greater than that of required tabulated 'T' value of 3.158 at 05 level of significance with (2.57) degree of freedom



### Finding

Comparison amongst all the three level of players with the performance of psychoticism shows insignificant difference, the reason may be attributed that psychoticism is defined by Eysenek as a personality type that is prone to take risks, might engage in anti-social behaviors, impulsiveness, or non-conformist behavior. Psychoticism appears to be linked with certain hormonal and biochemical secretions, such as servitorin and dopamine metabolites and with sex hormones. There seems to be little doubt that personality traits have a firm basis in the individual's biological structure and functioning, this may be the reason to be instanticant.

Extraversion shows significant difference the reason may be attributed that Extraversion-introversion appears to be related to differences in cortical arousal, mediated by the reticular formation, in the sense that introverts are characterized by greater resting levels of arousal. Extraversion athletes, also to be characteristics such as sensation seeking, risk taking, distractibility could not control their emotions. In this regard, these athletes motivate oneself and feelings of pleasure and satisfy their curiosity, show emotional behaviors. And it is mainly found in highly trained athlete i.e. litter University players as compared to inter collegiate and state players.



## ISSN 12148-7143 RESEARCH JOURNEY International Multidisciplinary E-Research Journal Impact Factor (SJIF) - 6.261 | Special Issue 162 : Women Empowerment

## A Comparative Study of Job Satisfaction of Women Teacher Educators

Dr. Amit E. Gawande Shri Shivaji College of Eduaction, Amarayti.

#### Introduction:

In India, before the Independence women's were less involved in professional jobs. After independence  $w_{\text{top}_{q_1}}$ education has been concentrated by the government of India and as a result of these women's get educated and entered the professional areas and the jobs there on. Teaching is considered as the noble profession and hence women's were the interested in this profession. Teachers are considered as one of the most important resource which can contribute to a development of nation by means of developing the educational quality. India has a vision to become a superpower by 2004 To achieve this vision we must have quality health, quality in livelihood and the most important is quality in education Therefore Government of India is consistently trying to impart quality education to all the aspirants. However quality cannot be reached in education until quality teachers are available. Hence it is very necessary to supply profession trained and professionally equipped teachers as well as these teachers must be satisfied in all respect of their life the they can impart quality education to the students.

We see much women teachers entering in the profession of teaching. In the year 2006-07 there were 202545 teachers, in 2011-12 this figure goes up to 59597 and in the year 2016-17 this figure became 288381. Hence it is very important to see their job satisfaction since they are not satisfied then they cannot satisfy the educational needs of their students. This research article focuses on the women's involvement in the teaching profession. Teaching is an occupation where teachers need to maintain high level of professional competencies. They must accept personal responsibility of their own performance growth and development. 1

In the present scenario it has been observed that teaching has become one of the stressful occupations especially in case of women teachers; who had to deal with their professional responsibilities and family also. In Indian context women's are limited within the domestic domain as caregivers.2 From this belief, women teachers like to give priority to family over career and that would interpret as a lack of commitment in their personal teaching profession. When commitment between work and family are not unequivocal it may lead to dissatisfaction. Hence it is very necessary to study the job satisfaction of women teachers working in the teaching profession.

In this paper researcher want to study the job satisfaction among the women Teacher Educators. Everyone, who wishes to enter in the teaching profession, would have to get through the teacher education curriculum. Then only he can be a teacher

The teacher is one who imparts the knowledge of teacher education or involve in the teaching at the teacher education institution are known as Teacher Educator. Now if these teacher educators are not satisfied with their job then how would they impart and inculcate positive value of teaching profession into their students. Hence it is necession to study the job satisfaction of teacher educators

#### Objective of the study:

- To compare the job satisfaction of warteacher educators working in government private aided institution.
- To compare the job satisfaction of women 2. teacher educators working in private and a institution and private unaided institution
- 3. To compare the job satisfaction of women teacher educators working in government institution and private unaided institution

#### Hypotheses:

- There is no significant difference between job satisfaction of women teacher educators working in government and private aided institution.
- 2. There is no significant difference between the job satisfaction of women teacher educators working in private aided institution and private unaided institution:
- There is no significant difference between the job satisfaction of women teacher educators working in government institution and private unaided institution.

#### Methodology :

The study was a quantitative study in nature; therefore. the server technique was used in this study. The finding presented in this study is based on the survey research in teacher education institutions. Teacher's Job Satisfaction Questionnaire by Nasrin and A. Annes consisting of 42 items were used for collection of data and the raw data se obtained is analyzed on the basis of 't' statistics and the results were drawn out

UGC Recommended Journal

Website: www.researchjourney.net

## RESEARCH JOURNEY International Multidisciplinary E-Research Journal 155N:2348-7143 Impact Factor (SJIF) - 6.261 | Special Issue 162: Women Empowerment

Sample :

The sample comprised of 60 women teacher educator and of which 20 each belongs to government institution, private aided institution and private unaided institution. Statistical Analysis:

| St. | Type of<br>Institute | N  | MEAN   | S.D.  | SE    | Ohtained | Significance |
|-----|----------------------|----|--------|-------|-------|----------|--------------|
| 1   | Gent                 | 20 | 165.26 | 19 38 |       | -        |              |
| 1   | Private<br>Auled     | 20 | 170.38 | 21.33 | 6.11  | 0.74     | p 2 0 05     |
| 1   | Gent                 | 20 | 165.26 | 19.38 |       |          |              |
| :   | Private<br>unaided   | 20 | 151.21 | 16.14 | 5.64  | 2,49     | p ≤ 0.05     |
|     | Private<br>Aided     | 20 | 170.38 | 21.33 |       |          |              |
| ,   | Private<br>unaided   | 20 | 151.21 |       | 5.981 | 3.20     | p≤0.05       |

#### Result and Discussion:

From the above analysis it has been come to know that women teacher educators working in the government astitution and private aided institution are more satisfied

than that of women teacher educators working in private unaided institution. The reason behind this can be the teacher educators working in the government and private aided institution are having all legitimate facilities such as wages, salaries, vacations, leaves etc. at the same time women teacher educators working in private unaided institution does not enjoy these facilities and hence they are not satisfied with their jobs.

#### References:

- S.P. Naik. (2008) "Education for the twenty first century". New Delhi : Anmol publications,
- S. Drudy. (2008) "Gender balance / gender bias: the teaching profession and the impact of feminization". Gender and Education. Vol 20, No 4, pp. 309-323.
- S. Acker. (1989) "Teachers, Gender and Careers". The Falmer Press, New York.
- http://udise.in/drc.htm

# 4. ICT in Education at School Level in India

Dr. Amit E. Gawande Shri Shivaji College of Eduaction, Amaravti.

#### production

After independence one of the focus areas of then government was literacy and the consistent efforts of literacy mission leads literacy rate to achieve 74.04% by 2011. Achieving force, was the goal set up in the decade of 50's; now with great changes in the digital changes only being literate is not sufficient but one should be IT-literate to survive in the eract globalisation.

India realize the importance of ICT in education in the decade of 80's and started a pilot project named Computer Literacy and Studies in Schools (CLASS) during the year 1984-1985 and 2598 secondary schools were provided micro-computers during the 8th Plan. In 1998 Parional IT Task Force constituted by the Prime Minister while recommending need of computers and educational software to teachers and students suggested to supply computers and laternet to schools, colleges and polytechnics by the year 2003. The national curriculum framework 2005 (NCF) also highlighted the substantial role of ICT in education.

NCF (2005) enunciated Information and Communication Technology (ICT) is an important tool for ridging social divides. ICT should be used in such a way that it becomes an opportunity equaliser by providing information, communication and computing resources in remote areas. No doubt technology has a great impact on the every corner of education and this is widely accepted fact. But the question is, does digitalization of education is possible at school level in INDIA? Prima facie one could answer affirmatively. But the through insight into the question leads to many sub questions which needs to be answered affirmatively for the sake of first one to be. Many policy document have envisioned the use of information communication technology in betterment of education for the sake of quality in education and does forcefully suggested fulfillment of ICT wherewithal by means of government and private support.

## Research Question

The research questions creeps up to the mind is, how many schools have the computers?

How many schools do have professionally trained computer teachers? How many schools do have internet facilities?

NAAC

ENGLISH PART - 1/ Peer Review &

Listed Journal - 40776

Principal
Shri Shivaji College of Education
Amravati.

## **Data Collection**

For the said questions and their study the secondary data is obtained from Unified District Information System for Education. The present status of availability of the computer in the schools at elementary level is shown in the following table.

| Sr   | STATE NAME              | Total   | Total Schools with | Percentage |
|------|-------------------------|---------|--------------------|------------|
|      |                         | Schools | Computer           | 1, 1, 1    |
| 01   | JAMMU & KASHMIR         | 28578   | 4916               | 17.20      |
| 02   | HIMACHAL PRADESH        | 18024   | 4680               | 25.97      |
| 03   | PUNJAB                  | 28776   | 15136              | 52.60      |
| 04   | CHANDIGARH              | 201     | 190                | 94.53      |
| 05 - | UTTARAKHAND             | 23660   | 7910               | 33.43      |
| 06   | HARYANA                 | 22268   | 10450              | 46.93      |
| 07   | DELHI                   | 5751    | 4825               | 83.90      |
| 08   | RAJASTHAN .             | 107931  | 32284              | 29.91      |
| 09   | UTTAR PRADESH           | 245919  | 32031              | 13.03      |
| 10   | BIHAR                   | 80166   | 6085               | 7.59       |
| 11   | SIKKIM                  | 1279    | 772                | 60.36      |
| 12   | ARUNACHAL PRADESH       | 4012    | 963                | 24.00      |
| 13   | NAGALAND                | 2799    | 1112               | 39.73      |
| 14   | MANIPUR                 | 4865    | 1269               | 26.08      |
| 15   | MIZORAM                 | 3072    | 910                | 29.62      |
| 16   | TRIPURA                 | 4844    | 758                | 15.65      |
| 17   | MEGHALAYA               | 13277   | 1284               | 9.67       |
| 18   | ASSAM                   | 65894   | 5731               | 8.70       |
| 19   | WEST BENGAL             | 95723   | 12124              | 12.67      |
| 20   | JHARKHAND               | 47441   | 4654               | 9.81       |
| 21   | ODISHA                  | 68978   | 9902               | 14.36      |
| 22   | CHHATTISGARH            | 50705   | 5552               | 10.95      |
| 23   | MADHYA PRADESH          | 142587  | 20806              | 14.59      |
| 24   | GUJARAT                 | 44051   | 32523              | 73.83      |
| 25   | DAMAN & DIU             | 120     | 69                 | 57.50      |
| 26   | DADRA & NAGAR<br>HAVELI | 323     | 127                | 39.32      |
| 27   | MAHARASHTRA             | 98213   | 55893              | 56.91      |
| 28   | ANDHRA PRADESH          | 60435   | 17785              | 29.43      |
| 29   | KARNATAKA               | 61739   | 21141              | 34.24      |
| 30   | GOA                     | 1462    | 609                | 41.66      |
| 31   | LAKSHADWEEP             | 41      | 41                 | 100.00     |
| 32   | KERALA                  | 16458   | 15520              | 94.30      |

DLUME - VII, ISSUE - IV - OCTOBER - DECEMBR - 2018

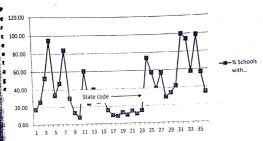
## ANTA - ISSN 2277 - 5730 - IMPACT FACTOR - 5.5 (www.sjifactor.com)

| - | 33 | TAMIL NADU    | 57539 | 33138 | 57.59 |
|---|----|---------------|-------|-------|-------|
| 1 | 34 | PUDUCHERRY    | 719   | 710   | 98.75 |
|   | 35 | A & N ISLANDS | 410   | 232   | 56.59 |
|   | 36 | TELANGANA     | 40818 | 14162 | 34.70 |

SOURCE: Elementary State Report Cards (2015-16) downloaded from http://udise.in

c.htm

## % of Schools with Computer



#### Analysis

| Sr. | % of schools equipped with computer | No. of State |
|-----|-------------------------------------|--------------|
| 1   | 100                                 | 05           |
| 2   | 80                                  | 2            |
| 3   | 60                                  | 7            |
| 4   | 40                                  | 11           |
| 5   | 20                                  | 11           |

## From above table it is reveled that

- There are 11 among 36 states having less than 20% of the school with computer. This
  means that 80% of the school does not have computers in these 11 states.
- Only 5 states have more than 80% schools with computer.
- 3. 24 among 36 states have less than 50% schools with computer.
- This means same or may be weaker is the status of internet availability because with teaching learning point of view there is no use internet if there is no computer.

## Discussion and Recommendations

Government of India through ministry of human resource development took up so many initiatives to equipped schools with computer and other IT resources. But we have miles to go in this regard. National policy on Education 2016 (NPE 2016) in its report says that, "Unfortunately, the results of all these initiatives have not had the expected results. While computers have been provided to a very large number of schools, their use remains limited. In many schools hardware remains locked in the headmasters room, in many they remain in their original packing as either there are no teachers to operate them, or the computer rooms have not been made ready, or the school does not have electric power, or grants to pay electricity bills. Even where computers are used, it is mostly to teach programs like Word and MS office. Text books teach the theory of computing, and examinations are conducted to test that knowledge whereas emphasis should have been on hands on practical learning. Most schools do not have internet connectivity and computers are rarely used in Government schools as an aid for teaching and learning."

Therefore ICT should be the routine part of teaching learning (Chalk and Board) and overall educational process and it should not be limited to subject or daily office core like typing and printing.

#### Recommendation

- Schools should be provided with basic Infrastructural Facilities
- A professionally trained and competent teachers with minimum qualification of degree in computer science and B.Ed. should be appointed on regular basis in every school
- Teacher training colleges should equip themselves with ICT equipment and make it mandatory to use during practice teaching.
- In service teacher training program should be organised especially concentrating on use of ICT in teaching and learning with PPP model.
- Teacher training colleges should deploy value added courses viz. database management
   , presentation preparation, animation, online testing, programming etc

#### References

- www.ncert.nic.in/rightside/links/pdf/framework/english/nf2005.pdf
- 2. www.nuepa.org/New/download/NEP2016/ReportNEP.pdf
- 3. http://udise.in/ElementarySRC-2013-14.htm?ay=2015-16#
- 4. navnirmitilearning.org/wp-content/uploads/2013/12/Usc-of-technology-VCM.pdf

Fil

ista

e i1

ecia

en i

the 35 F

nda

.....

mu

lan ...).

: 6

ine ptic

stu ord

anc

viev

th ; fo ket



# on in the Purview of L. P. G. with Special Reference to GATS

Dr. Amit E. Gawande ant Professor, Shri Shivaji College of Education, Amravati.

in the era of liberalization, Privatisation and Globalization. Here we may n privatization, commercialization and collaboration (especially foreign) of I emphasis on higher education. Not only this; in the recent years more o international trade and investment in education.

THO regime education is a tradable service and this is to be traded in a unitary globe. The General Agreement on Trade in Services (GATS) is the first set covering international trade in services. It came into effect in 1995 and is the auspices of World Trade Organization (WTO).

ree main parts: the main text with general principles and obligations; r specific sectors; and Member countries' specific commitments to provide

ters education as a tradable service, GATS covers 12 service sectors nication; Construction and Engineering; Distribution; Education; cial; Health; Tourism and Travel; Recreation, Cultural, and Sporting; Two exceptions are services in the exercise of governmental authority and

## traded?

4 ways that all services can be traded based on modes of supply:

son abroad of service by consumers travelling to supplier country (e.g. dying abroad)

seer supply of a service to consumer country without the supplier (e.g. open e education)

red Referred and UGG bisted Journal No.: 40776 Reaccredited A Grade with

67 Principal Shri Shivaji College of Education Amravati.

- Commercial presence of a supplier in consumer country (e.g. offshore foreign universities)
- Presence of Natural Persons from supplying country in consuming country (e.g. professors, researcher working outside their home country).

Table no. I would make it easy to understand the nature of supply

Table 1: Mode of supply of education under GATS

| Mode            | Explanation  | Example               |
|-----------------|--|-----------------------|
| . Consumption   | the provision of a service involving                 | # Students studying   |
| Abroad          | movement of consumer to the country of the supplier) | abroad                |
| 2. Cross Border | the provision of a service where the service         | # Distance Education  |
| supply          | crosses the border (doesn't need physical            | # e-learning          |
| '               | movement of consumer)                                | # Virtual University  |
| 3. Commercial   | the service provider establish his facilities in     | # offshore foreign    |
| Presence        | another country to render services                   | universities          |
|                 |  | # Franchising         |
|                 |  | # Partnerships        |
| 4. Presence of  | person traveling to another country on a             | Professors, teachers, |
| Natural Persons | temporary basis to provide service                   | researchers working   |
|                 |  | abroad                |

Source: Night, 2002

## How is education defined in the GATS?

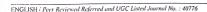
Trade in educational services is based on 5 sub-sectors of education as categorized by the United Nations Provisional Central Product Classification (CPC). These sub-sectors are: primary education, secondary education, higher education, adult education and other.

The 3 categories most relevant to tertiary education are: higher education; post secondary technical and vocational education services; and other education services.

 Higher education covers post secondary technical and vocational education services as well as other higher education programmes leading to a university degree or equivalent.

Adult education covers education for adults outside the regular education system.

Other education covers all education services not classified elsewhere and excludes education services related to recreation matters.



## Types of Education covered under GATS

Table 2: Classification of education services under GATS

| Table 2. Classifi             | Education activities included in each category   |
|-------------------------------|--|
| Category                      | Education activities included in animary education   |
| Primary Education (CPC 921)   | pre-school and other primary education   |
|                               | services   |
|                               | does not cover child care services   |
| Secondary Education (CPC 922) | general higher secondary   |
|                               | technical & vocational secondary   |
|                               | technical & vocational secondary (for disabled)  |
| Higher Education (CPC 923)    | Post secondary technical & vocational educational service     Other higher educational services leading to university degree or equivalent |
| Adult Education (CPC 924)     | covers the education for adult outside the regular education system  |
| Other Education (CPC 929)     | Covers all other education services not elsewhere classified     Excludes education service releated to recreation matters                 |

Source: Night, 2002

## Present Status and Future Options

Government on GATS so far as Education Services is concerned. Being a member of WTO it is committed to progressive liberalization but can take steps in this direction only after the economic, social and political ramifications are analyzed and understood. Keeping in mind the national needs and ethos India is not likely to make any commitments in the Sub-sectors of primary education, secondary education, adult and continuing education and other education. However, it is possible that because of international compulsions some concessions may be made so far as higher education is concerned. If the country is obliged to do so it will be necessary, while framing responses, to take into consideration the following:

- The competitiveness of the Education Sector, in general, and of the Higher Education Sub-Sector, in particular.
- The present status and possibilities in the future for trade under different modes.
- The economic and social needs of the country, and the national policies with respect to these.

If some commitments are made they will have to be accompanied by limitations that could be nation specific and even specific to areas/regions of India. The restrictions could relate to free movement of persons, immigration rules, nature of courses, modalities of repatriation of money, subsidies to local institutions, reservations as laid down in the national policy and quality assurance mechanisms. The provisions that exist in GATS for exemptions and safeguards will have to be fully utilized.

### Concerns and Conclusion

On February 2, 1835, British politician Thomas Babington Macaulay circulated Minutes on Education, a treatise that offered definitive reasons for why the East India Company and the British government should spend money on the provision of English language education, as well as the promotion of European learning, especially the sciences, in India.

The East India Company has nothing to do with the idea of investing in education. Yet, English education became important when the lower levels of the bureaucracy had to be staffed, creating a demand for babus, or native clerks and so they had.

The intentions in the Macaulay's Minute were clearly stated: education was to "form a class who may be interpreters between us and the millions whom we govern; a class of persons, Indian in blood and colour, but English in taste, in opinions, in morals, and in intellect". The history of this country witnesses their success in these intentions.

Now, with this background on should reckon the GATS.

The GATS commitment to education services has both the optimistic and pessimistic sides. Edsalt (2000), GATS is a charter of rights for proportions who (a) restricts to the right of governments to regulate them. (b) guarantees the transnational education providers the right to both operate and receive government funding. Critics also points out that the corporate world has found a way to push their corporate agendas onto the unaware and unwilling countries and people without any democratic accountability by means of WTO/ GATS. In this attack, they have discovered the possibility of manufacturing the thinking, the attitudes, and the purchasing consumers and workers (Frase and O'Sullivan 2003).

Especially in the country like India where education has a social concern and is substitized is a barrier for the FREE TRADE and therefore government control should be forced to minimize through GATS. Private companies through their educational subsidiaries will run educational programs of their need and demand with little control over what is being taught by this private institutions. This will help these multinational corporate in producing skilled labours for their companies and in turn the students will get job. This may result in destroying the school

of thoughts, the philosophy, the critical enquiry, and the thinking ability of the students like Macaulays Minutes on education where preparing clerks was the main objective of education and this is more threatening out of it.

The point of fact is educational institutions and their services have been addressed as national and social services. Actually Educational institutions are supposed to disseminate and create knowledge and bestow services to the community for the sake of nation building. But the multinational institutions and the foreign institutions would weaken this task treating education as commodity and setting up the objective and content of education in terms of the market need.

The above discussion shows that there is a strong feeling that GATS negotiation would serve in the interest of multinational companies by imposing unequal bargaining power among the developed and developing countries. Perhaps we have to observe the functioning of WTO more vigilantly than ever to safeguard sovereignty.

#### References

- Chanda, R. 2002. GATS and Its Implications for Developing Countries: Key Issues Concerns. Department of Economic and Social affairs.
- 2. http://www.iimahd.ernet.in/publications/data/2001-10-03SatishDeodhar.pdf
- 3. http://theglobaljournals.com/ijsr/file.php?val=January\_2013\_1357052120\_0dt99\_21.pd
- Night, J. 2002. Trade in Higher Education Services: The Implications of GATS. The Observatory on Borderless Higher Education: London
- United Nations: Gill, S.S. 2003 "Globalisation: Higher Education will suffer", in The Tribune July 20, 2003
- WTO The General Agreement on Trade in Services (GATS): Objectives, coverage and disciplines. Prepared by the WTO Secretariat. Available from the World Trade Organization 'Services:Gats'.
- WTO General Agreement on Trade in Services. Prepared from the WTO Secretariat.
   Available from the World Trade Organization 'Services: Agreement'.
- WTO Services: rules for growth and investment. Prepared by the WTO Secretariat.
   Available from the World Trade Organization Trading into the future: The introduction to the WTO.



# The Impact of Information Techonology on Library Management & the Challenges Before Academic Libraries

### Dr. Vandana R. Khakre

Librarian
Shri Shivaji College Of Education
Amravati
<u>vs.vandana\_kasar@rediffmail.com</u>
Mb. No. 9730195926

Abstract:-

Principal
Shri Shivaji College of Education

Technology is increasingly playing a crucial role in successes of organizations. In the information age. The impact of information technology has been enormous on various domains like business, education, media etc. This rapid evaluation of IT has good and bad impact on our every day life this paper will discuss on the key aspects of human interaction and others domain that may be affected by the new technology. Since we live in the "information age" Information technology has become a part of our everyday lives, that's why the purpose of this paper is to know the impact of IT on our society

#### Introduction:-

Information Technology and their applications is beyond human imaginations, more than a decade, the Information Society concept has been at the centre of discussions on the future of work and of society in general, both for societoeonomic research and policy-making, in a period greatly affected by the growing importance of information and communication technologies (ICTs) across the world.

Academic libraries are changing in tessions to changes in the learning and research environment and changes in the behavior of library users. The changes are evolutionary. Libraries are adding new, digital resources and services while maintaining most of the old, traditional resources and services. Finding and funding the appropriate balance of digital and traditional initiatives challenges strategic and financial planners

#### Information Technology:-

Information technology:- the technology involving the development, maintenance, and use of computer systems, software, and networks for the processing and distribution of data. The Information Technology Association of America (ITAA) defines Information Technology as: "The study, design, development, implementation, support or management of computer-based information systems, particularly software applications and computer hardware." IT deals with the use of electronic computers and computer software to convert, store, protect, process, transmit, and securely retrieve information.

Information technology (IT) is the use of any computers, storage, networking and other physical devices, infrastructure and processes to create, process, store, secure and exchange all forms of electronic data—

#### Changing Users Information Seeking Behaviors

Undoubtedly, the availability of electronic access to information has gradually brought some major changes to human information behavior related sources and services and their use in all walks of life. Such changes are significant that library and information professionals are studying now information seeking behavior, and its place within the learning process.



## Special Issue 110 (A): Library Science

The internet is considered as a potentially excellent tool for teaching and learning. The students whenever they use internet for their own purpose in library, they browse internet to access textual and graphic information for their project work.

The Web is a new communication media for information publishing and information retrieval. It has changed the networked access to information by providing resources and

The World Wide Web is a tool for partial information gathering and learning for students. The students are now very comfortable in using web resources and they want more resources through web enabled technology. It has been concluded that e-resources helps for anytime availability and easy to access, which helps for the researchers to carry out the research on time.

The Users emphasizes the importance of electronic access to scholarly journals and library databases and the continuing value of books, both print and electronic, for meeting the information and research needs.

## Questions before 21st-Century Libraries and librarian

- How will future library professionals organize, store, and distribute information?
- How will school (and other) librarians support information literacy in physical and digital environments?
- · What new forms of information may develop?
- · What will a book look like? A scholarly journal? A database?
- · Will book found on stack or on desktop?
- If space required for library physically?
- · What will be the role of libraries and librarians play as the distributors of information?
  - · Will the change in qualification of librarian
  - Should librarians become experts in informatics, social networking, e-government, civic participation, and community development?
  - Are user satisfied with digital form, Digital literature?
  - · Will there change in library services?

## Changes Due To Information Technology

Technology changes traditional information forms. A number of technological advances have eliminated, supplanted, or altered the more

traditional forms of information provided by libraries. For example, recorded thought in the form of a book, monograph, or newspaper is at the very core of what a library has traditionally provided its users. This material is now available in new forms and accessible in new ways. Existing information has been converted to electronic form and made available online.

## Digitization Changes the Landscape of Information Access and Use

Current and new forms of electronic information are fundamentally changing the way people produce, access, and process information. Members of the first generation of the technological revolution (those born after the proliferation of personal computing in the 1980s) have perceptions of information, its creation, its use, and its storage vastly different from the traditional views.

## Digital Initiatives and the Future of Reading

In thinking about the future of libraries, many librarians and experts are going back

Website - www.researchjourney.net

Email - researchjourney2014gmail.com

to the beginning—the act of reading or processing information. A growing body of literature addresses the way new generations—"digital natives"—will create, access, and absorb information. These changes will only become more profound in the future.

Internet is empowering a tech-savvy generation to pursue a central element of 21st century.

E-Research

Advances in electronic publishing and content digitization are already having a profound effect on the way students and academics conduct research and publish findings. Researchers and scholarly publishers are collaborating on new ways to produce content in the digital environment. First used in the sciences and extending now to the humanities, e-research initiatives (online journals, electronic research communities, e-books) represent a rapidly growing component of the evolution from printed facts to digital culture.

While this change will continue to alter library spaces and services, it will also radically affect the scholarly publishing industry and the economics of library collecting.

Google Book Search

The library community, content creators, the publishing industry, and many others are currently embroiled in a complex debate regarding Google Book Search, a vast effort to digitize millions of published works and make them available on the mega-search engine's site. While some of the works Google has already digitized are in the public domain, many remain protected by copyright and out of print.

#### Mobile Computing

Also having a profound effect on the way users find, access, and process information is the increased popularity of mobile computing Indeed many experts insist that in the future, all personal computing will be mobile. Phones, media players, and computers will increasingly merge into portable devices that will free the information seeker completely from wired sources.

New Information Processes are Changing Libraries, Library Services, and Librarians

Current and future library services designed to meet the needs of digital natives and digital nomads. In the near future, a number of services already offered by many libraries—for example, mobile catalog access, two-way text communication and reference, and podcasts—will include digital collections specially designed for mobile computing devices such as iPods, smart phones, and e-books. The library of the future can remain both a portal and a destination for information seekers, whether they access the information via a handheld computing device or the front door of their local library While some critics argue that this will mean the eventual disappearance of a physical library, others see an opportunity to make more resources available to more users in more locations.

Print on demand is an excellent example of this kind of service. Printing a book for a single user Some institutions are providing a books-on-demand service—single copies of a published work printed in the library or another location on a stand-alone printer that also binds and covers the material.

Accordingly, many experts believe that the librarian's job will become more, not less, important in the coming decades as new problems of digital organization and preservation are created and confronted. Indeed, many consider the librarian most qualified to lead efforts to embrace the new media while being the least beholden to profit-making economic models.



## IMPACT FACTOR: 5.7631(UIF)

#### REVIEW OF RESEARCH UGC APPROVED JOURNAL NO. 48514

ISSN: 2249-894)



VOLUME - 6 | ISSUE - 3 | DECEMBER - 2016

SELF CONCEPT OF EDUCATED WORKING WOMEN IN VARIOUS PROFESSIONS – A COMPARATIVE STUDY

Dr. Vanita N. Kale Shri Shivaji College of Education, Amravati



#### ABSTRACT

Self concept is defined as a value that an individual places on his or her own characteristics, qualities, abilities and actions. Self concept is not innate but developed and constructed by the individual through interaction with the environment and reflecting on that interaction. The purpose of the study to measure the self concept of educated working women in various professions of Vidarbha Region. The sample of 435 educated working women selected randomly from Medical, Engineering Colleges and from district session courts of Vidarbha region. Data collected by descriptive survey method. Self concept questionnaire developed by Dr. V.K. Mittal was used for data collection. Mean S.D. and "t' value was used to analyse the data. The study concluded that most of the educated working women have satisfactory and low level of self concept. Educated working women were much similar in respect of their self concept.

KEYWORDS: characteristics, qualities, abilities and actions.

#### INTRODUCTION:

Self concept is generally refers to our perception of ourselves, how we see our abilities, attitudes, attributes, beliefs and expectations (Harter 2006, Pajaras and Schunk 2001) we could consider self concept to be our mental picture of who we are. Accordingly to Saul Mc Leod (2008) 'The term self concept is a general term used to refer to how someone thinks, evaluates or perceives themselves. To be aware of oneself is to have a concept of oneself.' Resemberg defines the self concept broadly as the 'totality of an individual's thoughts and feelings having reference to himself as an object.'

Self concept is the set of characteristics that the person views as being part of himself or herself. The self concept provides us our identity. It provides the sense of who we are. The self concept is actually a cluster of selves, everyone has multiple selves for instance, self concept regarding beauty, regarding physique, regarding intelligence, regarding morality etc. In short, what we feel about our self regarding different attributes is our organized self concept.

One's self concept is a collection of beliefs about oneself that includes elements such as academic performance, gender identity, sexual identity and racial identity. Generally self concept embodies the answer to who am 1 ? One's self concept is made up of self schemas and their past, present and future selves. It also made up of interacts. With self esteem, self knowledge and social self to form self as whole. The perception people have about their past or future selves is related to the perception of their current selves.

Self concept generally refers to the totality of a complex, organized and dynamic system of learned beliefs, attitudes and opinions that each person holds to be true about his or her personal existence. Franker states that the self concept is the basis for all motivated behavior. Self concept is not innate but it is developed by the individual through interaction with the environment and reflections of it. This aspect

Journal for all Subjects : www.lbp.world



Principal

Shri Shivaji College of Education
Amravati.

7 2018-201A

Indicates that self concept can be modified or changed. Women are more serious towards their career as compared to man. Educated women can easily contribute to society as well as home if they are well qualified. Women are more focused and have a unique decision making power even at senior leadership level, in the most optimal manner and at times are in a better position than man.

An educated women can manage her home more efficiently. She can look after the work of the servants. She can maintain accounts, prepares the family budget in a balanced way and keeps her kitchen in hygienic condition. She can manage the household very effectively. An educated woman proves a source of great comfort to her family.

An educated woman with the awareness of her role as citizen can play a more dynamic role in addressing the economic challenges faced by her country in the areas of agricultural production, food self sufficiency, the fight against environmental degradation, the use and conservation of water and energy. An educated women with increased earning potential is more likely to give back to the community than her male counterparts. Data released by pay scale reveals that many female dominated careers report high rates of Job meaning claiming career satisfaction was more important than salary.

Educated women are an imperative in any society but the benefits to the developing world are overwhelming. Educated women contribute to the quality, size and productivity of the workforce. They can get better paying jobs, allowing them to provide daily necessities, health care and education to support the family. The ripple effect created by educating woman is unquestionable and absolutely necessary for the future of any society.

Children with educated mothers are more likely to attend school and pursue higher levels of education than their peers with uneducated mother. Educated women provide a better starting point for the next generation. Research has found that educated women are less likely to support terrorism and militancy than men of same education level. An educated woman is better equipped to increase family income and resolve family problems satisfactorily. Her family's wellbeing thus gets a big boost.

#### LITERATURE REVIEW

Though a great variety of studies have been designed and carried out almost all the related variables of self concept, a major portion of research is devoted to the self concept of students and comparatively less attention has been to the study of self concepts of educated women working in various professions.

Naushaba Atta Ch and Mohammd Jamil Bajwa (2011) in their study on 'the impact of education of self concept of adults' concluded that as the level of education increases the self concept of adults also increases and self concept is directly proportional to their qualification.

Bhende R.G. (2005) in his study titled as an 'Analytical Study of values, self concept, creativity and anxiety of students' concluded that Female students have more physical and moral self concept but low intellectual self concept than male students.

Khatoon Parveen (1996) carried out – 'A study of self concept and alienation in college girls in relation to education and religion' and observed that self concept of college going girls was higher than the uneducated girls in the both sample of Hindu and Muslim religion.

Sadar Jyoti (2002) in her study titled as 'A comparative study of self concept, value concept, aspiration level and achievement motivation level of adolescent students' concluded that girls have more moral self concept them boys. Boys and girls have equal social self concept and intellectual self concept.

Khatry P.P. (1973) concluded that their was no significant difference between the self concept of primary, secondary and college teachers. Gayatri Vibhinn (1980) in her research titled as self concept of women in different occupations concluded that working women have high level of self concept than housewives.

Dastoor H. F. (1982) in his study 'self concept of nurses in Gujrat State' concluded that 70% nurses have high level of self concept and 30 % nurses have how level of self concept. Rai G. (1983) Carried out 'A study of self concept of the prospective teachers' and concluded that prospective teachers have positive self concept. Jain, Jayanti R. (1990) observed that there was a positive relation between the high level of self

concept and girls with high academic goals. Banui, Kuotsu (1992) concluded that, the self concept of college students were significantly correlated with social and democratic values. Kaur, Sharanjeet (1992) concluded that self concept was predictor of career maturity for girls.

It is easy to infer from the above cited research findings that most of them focus on students self concept. In the light of these findings it is needed to study the self concept of educated working women in various professions of Vidarbha Region.

#### ORIFCTIVES

- To study the self concept level of educated working women in various profession.
- To compare the self concept of educated working women in various profession.

#### HYPOTHESES

- There is excellent level of self concept of educated women working in various professions.
- There is no significant difference between the self concept of educated working women Engineers and educated working women doctors.
- There is no significant difference between the self concept of educated working women doctors and working women advocates.
- There is no significant difference between the self concept of educated working women advocates and working women Engineers.

#### Method

The present study is based on survey method particularly descriptive survey research.

#### Sample

The researcher selected 145 women doctors, 145 women Engineers working in various Medical and Engineering Colleges and 145 women Advocates working in various District & Sessions Courts of Vidarbha Region by using random sampling technique.

#### Tool

Self concept questionnaire developed by Dr. V.K. Mittal was used to measure the self concept of educated working women Doctors, Engineers and Advocates of Vidarbha Region. The Questionnaire contained 100 questions which were divided in 11 factors of self concept. The reliability of questionnaire by split half method was .94 and by test retest method was .86.

#### Statistical Techniques

Both descriptive and inferential statistics were employed for analysis of data. The descriptive statistics such as Mean and S.D. were used.

Inferential statistics such as 't' test was employed, 't' value was calculated to know the significant difference between self concept of educated women Doctors, women Engineers and women Advocates working in Vidarbha Region.

#### **Analysis of Data**

#### Testing of Ho1

There is excellent level of self concept of educated women working in various professions.

+ of aducated working women.

| Sr. No.  | Table 1 : Showing | he level of self concep | t of educated we   | orking women.   |
|----------|-------------------|-------------------------|--------------------|-----------------|
| 1        | Level             | Women Doctor            | Women<br>Advocates | Women Engineers |
| The same | Excellent         | 09                      | 08                 | 11              |
| 2.57     |                   | 6.20                    | 5.52               | 7.58            |
| Good     | Good              | 10                      | 19                 | 20              |
|          | -                 | 6.90                    | 13.10              | 13.80           |
|          | Satisfactory      | 48                      | 65                 | 57              |
|          |                   | 33.10                   | 44.83              | 39.31           |
|          | Low               | 76                      | 47                 | 53              |
|          |                   | 52.40                   | 32.41              | 36.55           |
|          | Very Low          | 02                      | 06                 | 04              |
| From the | table 1 it is a   | 1.40                    | 4.14               | 2.76            |

From the table 1 it is observed that most of the educated women advocates and women Engineers have satisfactory level of self concept and low level of self concept. Most of the women doctors have low

It is concluded that most of the educated working women have satisfactory and low level of self concept.

## Testing of Ho2

Table 2 : Showing the significance of difference between self concept of educated working women

| Sample   | Number   | Engine | ers & wome | n Doctors. | pt of educated working wome |
|----------|----------|--------|------------|------------|-----------------------------|
| Women    | realibel | Mean   | S.D.       | 't' value  | Level of significance       |
| Engineer | 145      | 245.06 | 16.12      |            |                             |
| Doctor   | 145      | 244.13 | 17.66      | .47        | 0.05                        |
|          |          |        |            |            | Not Significant             |

Table 2 shows that at 288 df. 0.05 level of significance the calculated au value is .47 which is less than the table value 1.96.

Therefore it is inferred that there is no significant difference between the self concept of educated working women Engineer and women Doctors. Hence Ho2 is accepted.

It is concluded that educated working women engineers and women doctors are much similar in respect of their self concept.

#### Testing of Ho3

Table 3 : Showing the significance of difference between the self concept of educated working women doctors and women advocates.

|                 |                | doctors       | and womer     | i advocates.   | TO MOTATING WOL       |
|-----------------|----------------|---------------|---------------|----------------|-----------------------|
| Sample<br>Women | Number         | Mean          | S.D.          | 4.4            | Level of significance |
| Doctor          | 145            | 244.13        | 17.66         |                | 0.05                  |
| Advocate        | 145            | 245.48        | 15.74         | .69            | Not Significant       |
| Table 3 short   | ws that at 288 | df 0.05 level | of significan | ce the calcula | Not significant       |

Table 3 shows that at 288 df 0.05 level of significance the calculated  $\Upsilon$  value is .69 which is less than the table value 1.96.

Therefore, it is inferred that there is no significant difference between the self concept of educated working women Doctors and women Advocates. Hence Ho3 is accepted.

It is concluded that educated working women doctors and women advocates are much similar in respect of their self concept.

#### Testing of Ho₄

Table 5 : Showing the significance of difference between the self concept of educated working women

| Sample   | Number | Advocates<br>Mean | ept of educated working we |           |                         |   |
|----------|--------|-------------------|----------------------------|-----------|-------------------------|---|
| Women    |        | iviean            | S.D.                       | 't' value | Level of significance   | 1 |
| Advocate | 145    | 245,48            | 15.74                      |           |                         | 4 |
| Engineer | 145    | 245.06            | 16.12                      | .23       | 0.05<br>Not Significant |   |

Table 4 shows that at 288 df 0.05 level of significance the calculated 't' value is .23 which is less than the table value 1.96.

Therefore it is inferred that there is no significant difference between the self concept of educated working women advocate and women Engineer. Hence Ho, is accepted.

It is concluded that educated working women advocate and women Engineer are much similar in respect of their self concept.

#### CONCLUSIONS AND DISCUSSION

Most of the educated working women have satisfactory and low level of self concept. Educated working women Engineers and women Doctors and women Advocates are much similar in respect of their self concept.

Above conclusion is much similar with the findings of Gayatri, Vibhinn (1980) who in her research concluded that there was no significant difference between the self concept of highly educated working women Engineer and women advocate, women Engineer and doctor, women advocate and women doctor and women advocate and women college teacher.

#### SUGGESTIONS

- 1] Encourage women and make them feel special and strong, Encourage them to speak up and make sure they know the value of their opinion. Celebrate their self expression.
- 2] Encourage her to be her authentic self.
- 3] Lift women up by taking a stance against negative comments.
- 4] Women must work together to empower on another in the work place.
- 5] Admire strong women, empower women with kindness and encourage them to make their aspirations a reality.

#### REFERENCES

- Best John W. and Kahn. James V. (2002) Research in Education 7<sup>th</sup> edition, New Delhi, Prentics Hall of India Pvt. Ltd.
- Kaul Lokesh (2005) Methodology of Educational Research, New Delhi Vikas Publication House Pvt. Ltd.
- Lindquist E.F. (1968) Statistical Analysis of Educational Research Oxford and IBH Publishing Company,
- Garrett H.E. (1981) Statistics in Psychology and Education wood worth R.S. Vakils, Feffer and Simons Ltd. Bombay.
- Lowe, C.M. (1961) "The Self Concept Fact of Artifact, Psychological Bulletin."
- www.entraciology.com Importance of women education.
- http.//freeessays.club The importance of female education in the developing countries essay.
- http://karam.in The role of women in today's world.
- Shukla, K.C. (2005) "Encyclopedic Dictionary of Psychology Vol. 2" New Delhi Commonwealth Publisher.
- www.teachbytech.org Educating women benefits the whole community.

'RESEARCH JOURNEY' International Multidisciplinary E- Research Journal Impact Factor - (CIF) - 3.452. (SJIF) - 6.262. (GIF) -0.676 (2013)

Special Issue 76 (A): Self Employability Skills Development in December Physical Education and Sports Sciences 2018 UGC Approved No. 40107 & 44117

ISSN: 2348-7143

#### PERCEPTION OF PROFESSOINAL VALUES AMONG STUDENT TEACHER

Dr. Meena K. Rokade Associate Professor Shri Shivaji College of Education, Amravati (M.S)

#### ABSTRACT.

Values are the guiding principles of life that contribute to the allround development of an individual. They give a direction to life and thus, bringing joy, satisfaction and peace. Values add quality to life. Developing whole personality of the student is one of the vital role of teacher. If a teacher has an understanding about her professional values. It is easy for her to follow. The general purpose of the study was to measure the perception of professional values among student teacher. The sample of 100 student teachers was drawn by applying random sampling method from two B.Ed., colleges in Amravati, district of Maharashtra State. Student teacher's perception of professional values inventory prepared by the researcher was the tool used for collecting the data. Mean, S.D., "t" test and ANOVA test were used to analyze the data. The study inferred that, there is significant difference between before training student teachers and after training student teachers in their perception of professional values. Introduction :-

Values are the standards of behaviour in day to day activities and guiding principles in critical life situations. Value is an endless belief that a specific mode of conduct or state of existence is personally preferable to an opposing or converse mode of conduct with a focus on what is right and what is wrong. Value is a relationship, between a person and an environmental situation which evoke an appreciative response in the individual. Any human activity, thought or idea, feeling, sentiment or emotion which could promote self development of the individual in all its dimensions could be said to constitute a value. To give proper value education for the students it is compulsory that the teacher has good value orientation. Professional values is learnt and imbided during teacher training. To incorporate professional values in the curriculum of teacher education to suit the present day need in education it becomes necessary to understand their level of perception of professional values of the students teachers.

- Objectives of the study :-
- To study the perception of professional values of student teachers before training and after training.
- To study the interaction effects within and among the methodology (English, Marathi and physical science) of student teachers in their perception of Professional Values.
- To study the interaction effects within and among the methodology (Mathematics. Biological Science, Social Studies) of Students teachers in their perception professional values.

#### Hypotheses :-

24

- There would be no significant difference between before training and after training student teachers in their perception of professional values.
- There would be no interaction effects within and among the methodology (English , Marathi and physical science) of student teachers in their perception of professional

Website - www.researchjourney.net

Email - researchjourney2014gmail.com



Shri Shivaji College of Education

160

Special Issue 76 (A): Self Employability Skills Development in December Physical Education and Sports Sciences 2018 UGC Approved No. 40107 & 44117

2348-7143

There would be no interaction effects within and among the methodology (Mathematics, Biological Science, Social Studies) of student teachers in their perception of professional

Methodology :-

Sample :-

A sample of 100 student teachers was drawn by applying simple random sampling method from two B.Ed colleges in Amravati District of Maharashtra State

Tools -Student teacher's perception of professional values inventory prepared by the researcher

was the tool used for collecting the relevant data. Method of Study -

For the present study experimental method was used.

Statistical techniques :-

Both descriptive and inferential statistics were employed for analysis of the data. The descriptive statistics such as mean and S.D. were used.

Inferential statistics such as t-test was employed "t" value was calculated to know significant difference between the variables ANOVA test was carried out to test the differences within and among variables.

Table -1- Perception of professional values of student teachers before trainings and after Result And Discussion :-

training Level of t-value Mean N Level of Significance training 15.71 68.72 Significant 50 7.16 Refore

6.55 92.10 50 After The above table shows that, at 98df 0.05 level of significance the calculated "t" value is

greater than the table value 1.98 Therefore it is inferred that, before training and after training student teachers differ

significantly in their perception of professional values. Hence it is concluded that, there is a significant difference between before training and after training student teachers in their perception of professional values.

Table -2- Perception of professional values of student teachers with reference to their

| methodology (Engli  | sh, Marathi and   | Physical scien | ice)           | F-value | P-Value |
|---------------------|-------------------|----------------|----------------|---------|---------|
| Source of variation | Sum of<br>Squares | Df             | Mean<br>Square | r-value | 1-value |
| Between subjects    | 1612,192          | 2              | 905.105        | 2.830   | 0.062   |
| Within subjects     | 35451.231         | 117            | 318.265        | 2.050   |         |
| Within subjects     | 37063 423         | 119            |                | 100     |         |

The above table shows that, at 0.05 level of significance the calculated F- Value is lower

than the table value 3.09 Calculated P- Value 0.062 is greater than 0.05 for the corresponding F- value 2.830 Therefore it is inferred that, the overall difference among the three set of means are not significant and are due to chance.

Website - www.researchjourney.net Email - researchjourney2014gmail.com 161

N



2348-7143

Hence it is concluded that, there is no interaction effects of both within and among student reachers with methodology subjects English, Marathi and Physical science with respect to their perception of professional values.

Table 3- Perception of professional values of student teachers with reference to their (Mathematics Biological Science, Social Studies)

| Source of variation | Sum of<br>Squares | Df  | Mean<br>Square | F-value | P-Value |
|---------------------|-------------------|-----|----------------|---------|---------|
| Between subjects    | 706.692           | 2   | 3262.355       | 1.104   | 0.324   |
| Within subjects     | 36534.731         | 117 | 327.543        |         |         |
| Total               | 37241.423         | 119 |                |         |         |

The above table shows that, at 0.05 level of significance the calculated F- Value is lower than the table value 3.09

Calculated P- Value 0.324 is greater than 0.05 for the corresponding F- value 1.104

Therefore it is inferred that, the overall difference among the three set of means are not significant and are due to chance.

Hence it is concluded that, there is no interaction effects of both within and among student teachers with methodology subjects Mathematics, Biological Science, Social Studies with respect to their perception of professional values.

#### Findings :-

- There is significant difference between before training student teachers and after training student teachers in their perception of professional values.
- There is no interaction effects within and among the subjects English, Marathi, Physical science student teachers in their perception of professional values.
- There is no interaction effects within and among the subjects Mathematics, Biological Science, Social Studies student teachers in their perception of professional values

#### Conclusion :-

Values are considered potent determinants of human behaviour. Inculcation of desirable values among teachers is highly essential to make them committed teachers. It is observed from the study that there is an impact of student teachers training in developing professional values among teachers. Professional values will not differ with the methodologies opted by the student teachers during their training professional values is imparted directly and indirectly during the student teachers training as an integral part of all the subjects. Educational Implications :-

The role of teacher in developing desirable values among his student is very important. The secret of teaching values is to inspire and kindle the quest among students by means of one's examples and mastery of knowledge. A teacher who lives by values exerts a profound influence on students. Professional development is a must for every teachers in the enabling teaching - learning context to know and understand the expectations, challenges and issues of the teaching profession. Professional value perception of student teachers can be developed and assessed directly

and indirectly. If the student teachers becomes aware of the assessment of professional values, they becomes conscious and deliberately functions, in the beginning but later on it is conditioned and professional values becomes a habit for them.

## 'RESEARCH JOURNEY' International Multidisciplinary E- Research Journal

Impact Factor - (CIF) - 3.452. (SJIF) - 6.262. (GIF) - 0.676 (2013) Special Issue 76 (A): Self Employability Skills Development in December Physical Education and Sports Sciences 2018 UGC Approved No. 40107 & 44117

#### References :-

- 1. Agarwal , J.C. (2004), Teacher and Education in a Developing Society (Fourth Edition)
- 2. Bhandari, R.S. (2010) Value Education, Abhisekh Publications, Chandigrah -17
- 3. Gourang Charan Nadal (2010), "Professional Development of Teachers" EDUTRACKS, Vol.9, No.6 PP 12-13
- 4. Raina V.K. (1998), Teacher Educators - A Perspective Vikas Publishing, New Delhi.
- Singh M.S (2007), Value Education, Adhyayan Publishers and Distributors, New Delhi. 5
- Yasoda R & Talawar, M.S.(2013), Value Education, APH Publishing cor-poration, New Delhi.



## Chronicle of Humanities and Cultural Studies (UGC Approved Journal No. 63716)

ISSN: 2454-5503 Imp - Factor 4 IS7 (ILBF)

62

## महिला सबलीकरणाच्या दृष्टीने शिक्षणिक घोरणांचा एतिहासिक आखाव

डी अभिन एक्याच्यव मावर श्री विकास महाविधालय अमरावर्त

#### प्रस्तावना

भाषताच्या राज्यधटकील असेक मृत्याको छ। अहरताल बन्ध क्यांत क्यां वस्त्र सम्बद्धा हन भारतीय राजाधलना हो प्रवा रही हन्य समान्त्रवाच पुरस्कार न करता महत्त संस्कृतिक ग्लामा कृतीन सकारात्रक स्वतान क्रांचा अवाना अन्याना चेते त्यानक स्का व्यानका सकित्यना समजून धताचा आवल्याता स्त्री पुरुष यहिमानं क्षेत्र कुरले स्टबाई प्रजानानी कृतिक धारतस्यात्या आहे, हे प्रथम सम्बद्ध पहिला हो। पुरुष अमानता प्रस्तावित कर्ण्याचा सर्वत प्रकार रिया ग्लेमको भ्यीयांना उत्तवे हित बहित 👑 प्रश्न, त्यांच निर्णय घण्णाच खानव दण ह ा हैं संका कलनवार्ध असल्यात से नवड विकास न माध्यमातुम होत् शकत अहाँ स्वी व वस्ति। प्राचित्रम्, सामाजिक ।। तकायक कार्य करणाना व क्षोती भागुमय भारतीय शिक्षण क्षेत्रात कार करणाऱ्या प्रत्यक शिक्षाण समिती, विकास असीम व भूतिक्रिक स्मित्रवास दश क्षित्रवास्य प्रस्ति वस्ति द्वीवास आस्याचे आवस्या सकत येहेल

रसतंत्र्यानसङ् धारसीय शिक्षण तथात धार्यका स्था अयोग न समित्रमधी स्थापना शिक्षण श्यापीत स्थानस्थान व वीर्यकातीय स्थापनार्थिय । स्थारणंकित करण्यात आसी स्थाप आद्याम

#### पुढीरापगाणे-विद्यापीठ अनुदान आसीम 1948

- ्या आर्याची स्त्री शिवणस्था किनसाराही स्वासीस युवस केल्या आरच
- प्रतिक विभाग संस्थात (तथ सहिवाना विते जाते) विभागकरिंग प्रसादन आणि इत्तर पत गरजाच्या पुरतिसाठी (जस का वशिवगृह) स्पतंत्र व्यवस्था असती माहिजे
- चेश्वे शतथ आहे तेथे च्यो विकाणाच्या सुविधा वाडविच्या पाहिजे या सुविधामध्ये क्यात करण्याचा प्रयत्न च्यो विकाणाता भारत करते आज एखाधा क्षेत्रात विकाणचे प्रमाण पुरेचे नाहि मण्त ते क्षेत्र दिखाकरिता प्रतिबंधित करणे योग होणार नाहि.

रिन्नी शिक्षणाला उत्तेजन मिळावे म्हणून या करिता नवीन शिक्षण रांधी विषयक मार्गदर्शन तज्ञाकडून मिळपून देण्याची व्यवस्था करावी. नार्वक्रमण्डामा आरंकामुंगी विद्याल पुराती प्रमानन प्रवेश परित्य प्रवित्य अर्थान दिवाराध्या स्थापित त्याला व्याप्त कर्मा प्रवेश त्याच्या स्थापित त्याच व्याप्त स्थापित स्थापित व्याप्त स्थाप स्थापित त्याप्त व्याप्त स्थापित स्थापित व्याप्त स्थापित स्थापित स्थापित व्याप्त स्थापित स्थापित व्याप्त स्थापित व्याप्त स्थापित स्थापित व्याप्त स्थापित स्थापित व्याप्त स्थापित व्याप्त स्थापित स्थापित व्याप्त स्थापित स

#### महारामिक शिक्षण आसीम 1952 "उ-

अस्य विकासक विकाससको विकासीय विकासीय विकासीय विकासीय अस्तियालीय स्थापना प्रथम कर्ण करणांच्या व्यक्तियालीय स्थापना प्रथमित करणांच्या अस्तियालीय स्थापना अस्तियालीय स्थापना अस्तियालीय स्थापना अस्तियालीय स्थापना अस्तियालीय स्थापना व्यक्तियालीय स्थापना व्यक्तियालीय स्थापना व्यक्तियालीय स्थापना अस्तियालीय स्थापना स्था

आयोगास्था योजा जमाराना हो विश्वाचाम् जारानेत करण्यान आरता जार या प्रधासान्त्राण्य माराहिक स्वरुपातस्य विश्वाच्याच्या पत्तरे विशिव्याच्या समस्या पुरीस्त्वमाणे आर्थ

- ्त्री शिक्षणात वास्त्रीक वर्ष स्थलक्य भोतना भाषास्य सकति तमान शामुक करतीका शिक्षण भाषामा विद्यारमार्थ्य दिस्तान प्रमाण अस्त्रात स्त्री प्राच-स्त्री यामानीत समुमत तमी आलामुके से शिक्षकान हैने वर्ष रक्ष विसे जात नात य स्थानी हैकसाउ
- र मुलीच्या शिक्षणांकः राष्ट्रण्याया पालकायः कृष्टीकोन अलात संकृतिः असल्यामुळ लगना मारामिक व पूर्व मारामिक शिक्षण कस्पदशे विले जारी
- माध्यमिक व उच्च मध्यमिक शिक्षणाच उपलब्ध असणाऱ्या विविध शास्त्रा मुलीकरिया उपलब्ध आहे परंतु त्यात मुलीना नाममात्र प्रवेश दिला

#### कोठारी शिक्षण आयोग (1964-66)

स्त्री शिक्षणाविषयक सूचना करताना आयोगाने खालील तीन वार्वीकडे लक्ष गंधले

170



Principal V

Shri Shivaji College of Education
Annravati.

## Chronicle of Humanities and Cultural Studies (UGC Approved Journal No. 63716)

ISSN: 2454-5503 Impact Factor: 4 197 (IJIF)

- प्रतिविधा विकास क्षेत्रक क्
- Fig. Divines and series of the series of the
- · Material States of the con-
- Vogs amorgon to graphic extra
- Mådere de per entre en element
   A dådere de per en element
- ्क, उस्त महसमिक आयोगाच्या सुन्। मुख्योका प्रतिक प्रकार त्यांक करावास स्त्री
  - grande (n. 1841). Belog (1841).
- The state of the s
- र महिता प्रमास्ति वाहीत्वा १९४१ - १९४४ - १९४४ - १९७४५० १९४४ - १९४४ - १९४४
- ्र सर्वाच्या के त्या मुसारताता व क्रिक्ट अपनेश अस्तिको सामने सन्द्रा विसे नाते
- अधिक लगहुन्द्र अस्पन्या विभागता अधिक भागा व स्थान प्रतिस्तद १९८० । ५८१थल १३ विभागती निवृत्ति पुरेष्ट स्थान १८१ स्थानात पानी पानेचा स्थान १८१४ व्याप १४१ १९९१-ते प्रसान १८१४
- ता अनुभाग प्राथमित प्राथमित सिद्धानिका नहीं महेल्लापूर्व शिकामा हत्या स्महेल्या प्रमुख अभूष आहे

- "Zurang Barri, suma Bearr, in Roturners report chart and an interfer amount of the common and an interfer formation and an interfer amount of the formation and an interfer and an action common and an interfer and action as a formation and action as a proper as a pro-
  - ्रायाच्या करता हो अस्त भागाम् । स्वाप्ताच्या स्वाप्ताच्या स्वाप्ताच्या स्वाप्ताच्या स्वाप्ताच्या स्वाप्ताच्या स्वाप्ताच्याच्या स्वाप्ताच्या स्वाप्ताच्याच्याच्या स्वाप्ताच्या स्वाप्ताच्या स्वाप्ताच्या स्वाप्ताच्या स्वाप्ताच्या
  - में प्रमास क्यांन में स्थाप स्थाप स्थाप स्थाप क्यांने में प्रशासन क्यांन माहि स्थाप क्यांने में प्रशासन
  - न विकामीत साराजात स्त्री विकाम
- र रिकारणा स्थापन को शहरून कार्यान स्थापना प्राथमी अन्योगन जानाम कार्योगन स्थापन राज्योग केर्यान स्थापन राज्योगन आणि राज्योगन केर्यान स्थापन राज्योगन आणि राज्या कार्यान स्थापन राज्यान आणि
- v (tymeliki) २०१३ महावद्यासम् धोर्मण

#### राष्ट्रीय शेक्षणिक घोरण 1986

- ा तहीर वा पालम स्त्री विस्तरस्य विकासामध्ये सालीत उपाययोजना सुविवस्य आहे
- ✓ प्राथिक विक्रा त प्रिकाशिक क्रियार कांचा कराडो त्यांचा त्व व्यापत स्वरूप दण्यात यांके
- जो विश्ववद्या क्षेत्रम कार्य करणाऱ्याः
   शिक्षकामा व प्रशिक्षकाना विश्वय उत्ववासम अर्थकाल गावे
- √ (न्यसंबद्धत स्थाजानस्य संस्य भूमका निर्माण लाजे साकरित त्राव प्रसन्त करण्यात याव

180

VOL.4 | ISSUE 1 | JAN 20178

istic //www.mgsociety.in/

Chronicle of Humanities and Cultoral Senties Atta Approved homen a Su. 6 Wiel 1954 2454 5954 to effect of the cold Millertill (Agent Lawrence) C. Werner, may a group of the following The fact of March special rest The state of the state of the state of more the end that while it is a country हास्ट्रीय गर्दाना सम्बद्धांक्रमण सार्वन २००४ elitaria; della successi specimi igheath as the same and same see the Hillate traditions only a Of the edges to the processing the same and the same state of the answelete i bien general en en san Program of a gelen bedween ones and a ्रिकार्यक्त कार्यकार्य क्रिया मानावर्याच्या विकास 1936/Modified in हर्ज्यात्मका में अध्यामान्य स्वितः प्राप्तानीय ्र श्रीस्थात्व संभाव जीवात्व विकासी करण विश्वस्थानिक वृत्तास्थानिक स्थ्री व पूर्णास्था िक्रमाना है के कि कर्न स्ट में gungajia diae manda Budis ( a did क्रिक्टरवात अञ्चलका शास्त्राम्या यहायान व्यव Chin heldung delan-ditures (9) विकारण पूर्वाच साम्यनीसः वन्त्र मन्त्रस्य स्थार (त्रवा अवभिन्त स्थानस्था । होते । सम्बद्धाः वर्षान्यस्य सम्बद्धाः वर्षाः । सम्बद्धाः वर्षान्यस्य सम्बद्धाः । कुमार अपन्य उत्तर गडल एक दर्शत १ में विश्वाम आणि मालना व चर्चा-! मनकीकरण है व्यवस्थात निवशीय आहे ए मुन intent and acalit of their farmition and व सम्बंबित केन्नुर बारी जीवनीत हिन्तासर्व

## Status Of Indian Women And Need Of Women Empowerment For National Development

#### Dr. Vandana R. Khakre

Librarian

Shri. Shivaji College of Education Amravati

Abstract: This paper Focus on empowerment of women, status of women in society & how they work for family; social as well as on political ground, this paper shows necessity of women empowerment if they empowered they become source of infinite power.

Introduction: The subject of empowerment of women has becoming a burning issue all over the world including India since last few decades. Many agencies of United Nations in their reports have emphasized that gender issue is to be given tumost priority. It is held that women wo cannot be asked to wait for any more for equality We all know that girls are now doing better at school than boys. The annual results of Secondary and Higher Secondary Board examinations reveal this fact. More women are getting degrees than men, and are filling most new jobs in every field.

We can now see women in almost every field: architecture, lawyers, financial services, engineering, medical and IT jobs. They have also entered service occupations such as a nurse, a beautician, a sales worker, a waitress, etc.

Status of women is society: Women's were considered a weaker sex they were given a subordinate status in they Hindu society she is protected by the father in her childhood, by the husband in her adult hood & by the son in herald atc. The male dominated paternal system allows her to survive as secondary member of the family & lower citizen society.

A women expected to daughter in her father-in-law household to which she goes after her marriage she is placed under sever restrictions and has little or no say in decision making and is directly subordinate to her mother-in-law. Her status in the family depend greatly on her husband's contribution to the family economy, and in the middle & upper-class, on the amount of dowry brought by herself.

They learn early in the life need for flexibility, and the life need for flexibility, and commitment & submissiveness and hesitate to develop strong opinion and commitment which they, may not be allowed to pursue after marriage. These constriction & mibilitions affected most women in their later over, particularly when they have to complete with men in their careers.

Women today are trying to understand their position in the society, women have became increasingly aware of

sexual inequalities in every sphere of life and are seeking ways to fight.

No decision is now made in matters of education between boys & girls, their voice is now are forceful & important as that of men. They are becoming equal partners in making or dismissing of government.

Women Empowerment still an illusion of reality: Notwith standing the remarkable changes in the position women in free India there is still a great divergence between constitutional position and stark reality of deprivation & degradation.

Whatever whiff of emancipation has blown in Indian society, has been inhaled and enjoyed by the urban women, their population belonging to the rural a rear are still totally untouched by the coined of changes. They still have been living in miserable conditions, steeped in poverty, ignorance, superstition and starve.

They are still exists a wide gulf between the goals encysted in the constitution, legislation polices, plans, programmers and related mechanism on the hand and the situational reality on the stator of women in India, on the other.

"You can tell the status of nation by looking at the status of its women" Pandit Nehur.

Equality & empowerment of women are the most critical points and gender equality is not an agenda of women versus men rather men should be partners in the empowerment of women.

Empowerment of women in any society is an important to enable women to participation in the economic & political development of society.

#### What is Empowerment?

Women empowerment is new phase in the vocabulary of gender literature. The phrase is used in two broad sensor i.e. general & specific. In general since, it refers to empowering women to see self dependent by providing them access to all the freedom and opportunities which they were denied in the part only because of their being 'Women in specific sense' women empowerment refers to enhancing their position in the power structure of society.

VOL. 5 | Special Issue 4 | April 2018



www.newmanpublication.com

Principal

Shri Shivaji College of Education
Amravati

## New Man International Journal of Multidisciplinary Studies (UGC Approved Journal No. 45886)

ISSN: 2348-1390 Impact Factor: 4.321 (IIJIF)

Kessler Harris, 1981: "Women empowerment allows be appreciating & acknowledging for who they are and what they do". The empowerment essentially means that they women have the power or capacity to regular their day-lody lives in the social political & economic terms a power which enable them to move from the periphery to the center state.

#### What are issues for this sorry state of affairs?

#### Some basic issues

- Lack of awareness
- Lack of social & economic empowerment
- Lack of political will
- Freeness of accountability Mechanism
   Lack of enforcement by the police force.
- Lack of gender culture.

Today women change from Feeling weak to feeling strong.

#### Ways to Empowered Women

- Create a safe space: Women in to gather with other women and Talk about issues like gender equity, women's rights, or health.
  - Support independence and mobility: Most women in rural India have to ask their husbands for permission to leave home.
- Teach women to read: If you are illiterate, simple things like reading signs on a road, numbers on a phone, or directions on a medicine bottle make daily life a struggle
- Increase savings and income: Savings cooperatives allow women to invest money and then take turns receiving micro-loans to start micro-businesses or invest in education for their children.
- Teach job skills and seed businesses: Women learn beekeeping, mushroom farming, sewing, and other income-generating skills through training programs.
- Build self-esteem and confidence: helping them to become more comfortable speaking in front of groups and sharing opinions.
- Boost decision-making power: . they have greater decision-making power in their homes and communities.
  - "They were mostly busy doing household activities before... but now they can travel outside of the village alone, [earn an income] in our family, and participate in decisions related to their children's education."
- Impact health: Increased influence in their families and communities on health care, family planning, domestic violence and reproductive rights.
- Build networks: By building social networks, women have more support and greater opportunities to effect change in their communities alone.

10. Create public leaders: provide leadership training for women to increase their presence in the public sphere. 61.65% of women report that they are now able to express their opinions in public or in their home. Women report joining committees, facilitating meetings, participating in protests, raising their voices against violence, and organizing community programs.

#### The Principles for women empowerment

- Establish high-level corporate leadership for gender equality
- Treat all women and men fairly at work respect and support human rights and non discrimination
- Ensure the health, safety and well-being of all women and men workers
- Promote education, training and professional development for women
- Implement enterprise development, supply chain and marketing practices that empower women
- Promote equality through community initiatives and advocacy
- Measure and publicly report on progress to achieve gender equality

Women is the source of Infinite Power: Maharshi karve worked ceaselessly with a missionary zeal for the upliftment of women. Maharishi Karve used to say "as for as the question of status and right of women are concerned, I will never accept defeat as I do not believe that women have a lesser capacity to learn."

Education enables women to effectively participate in the affair of the country and, indeed in their own family.

"The roots of Education are bitter, but the fruits are sweet Educate the Girl and change the Generation" Kiran Bedi

Female Education: Female Education is a process of Educating Females in order to make them efficient and effective members of society both at home and outside. It should enable them to look after and take care of their daily life duties and responsibilities as well as their legitimate rights. Thousand of girls otherwise intelligent and capable enough to get Education i, but are deprived of because of multifarious social cultural and economical reasons and Gender projudice. Due to his reason they are unable to play active role in the development of society

"If you Educate a boy ,you Educate an individual, but if you Educate a girl you Educate a community" African proverb

#### Different Role Of Women:

Family Role- A women Role extend from being an important member of family daughter-wife, and mother to being a determinant of social development and building Nation.

#### New Man International Journal of Multidisciplinary Studies (UGC Approved Journal No. 45886)

ISSN: 2348-1390 Impact Factor: 4.321 (IIJIF)

The capacity of contribute increases immensely when the family environment is stable.

A women has been endowed with a special gift from nature to give tender love to her children's and family and to keep the cord of love strong amongst relations which binds the family into loving, healthy and cultured family there fore the English saying, "Good Created Mother because he could not be present every where."

Many of the approached & values in the life are learned by a child from the mother.

Women therefore are after described an transmitters of knowledge and architects of the future. Educated women tend to provide better guidance to their children and also promote education of their Girl children. Women contribute to the development of good family, compassionate society, a progressive nation and a more tolerant world. This role is very important in society, which women should never forget.

Social Role; Educated women can be an effective voice for articulating women related causes. They can be the voice in the fight against social evils like female fillicide, childe marriage, dower & addictions, as well as against the discrimination and biases that exists in society against women.

They can be the advances for improved working condition for women. Educated women can help other women self-reliant and self-confidant. They can counsel other women as well as share experiences about career choice, employment opportunities and business enterprises and so in maker like untrition and childcare. If the women of India work in this collective and collaborative spirit, change would be inevitable and change would be that which recognize, in full measure, the talent and potential women.

Political Role- Women participation in the political and economic activities of a society exists of a society exists of a society exists of a society exist on antion. Many women in India have reached high position and many others are doing well in different spherical many others are doing well in different spherical many others are doing well in different spherical many others are doing well not specifically spherical sphe

Conclusion: Women in the modern hi-tech society, which is morning very fast under the shadow of population explosion, conflicts, chops and evoption can mould the personality of the adolescent & and youth in a proper direction and perspective, provided the women are themselves emowered.

Women are in integral part of our society. The idea of human race can't be conceived without the existence of a women. Women in the holy books have been bestowed with a very high status and have been adored with various objectives, she is called as mother of the nation and it is

said that education of the mother means education of entire family. Hence Empowered women for development of nation

#### References

- Sahya, Sushma (1998) women & empowerment;
- approaches and strategies, Discovery pub: New Delhi.
- ICSSR (1975) status of women in India; A synopsis of the ripen of the Naitonal committee allied; New Delhi.
- Bharaddwaj, Sanjay, Empowerment of women through education, University News vol 49, No.31 August 2007.
- 4. www.empowerpoor. Orgl
- www.knongeddn.com
- www.vidya-india.org

ISSN: 2348-1390 Impact Factor: 4.321 (IIJIF)

n

## Attitude Of Pre-Service Student Teachers Towards Role Of Gender Equality In Upbringing Of Children.

Dr. Sangita R. Bihade Assistant Professor
Shri Shivaji College Of Education, Amravati.
raadhursangita, bihade8@gmail.com:
cell 9421795576/9404309454

Abstract: The present paper aims to study the pre service student teacher's attitude towards gender roles on the basis of beliefs, values and equality. The final sample of the study comprised of 80 subjects, randomly selected from the B.Ed. course of Shri Shivaji college of education Amravati. Subjects were 20 males & 60 females pre service student teachers and all were graduates with the age group of above 21 years. A questionnaire was developed that measured attitudes toward gender equality of males and females (12 questions on equality), beliefs in various roles of males and females (8 questions of beliefs). The obtained data was analyzed by using t- test. Results revealed that there was significant difference in the attitudes of males and females pre service student teacher towards gender equality as females favored equality and did not believed in beliefs with which they have been born & brought up with as compared to males.

Keywords: Attitude, Gender Equality, Pre-service Student teacher, Gender, Gender Role

Introduction: Gender can be a key determinant of who does what, who has wint, who decides, who has power, and even who gets an education or not. In many societies, boys are seen as the ones whis should be deducated, while legifs are not.Traditionally, the man was the main breadwinner of the family whilst it was usually the woman's considerable of the contraction of the co

Gender Inequality, in simple wouls, may be defined as disterimination against women based on their sex. Women as trainfalmently considered by the sectory as weaker sex. She has been caccided a subordinate position to men. She is exploited, degraded, violated, discriminated and expected to look after both home and work in outside world. This peculiar type of discrimination against women is prevalent everywhere in the world and more so in Indian society.

The term "gender inequality" refers to the perceived or actual unequal treatment of individuals based on their gender. Gender inequality arises out of cultural differences in gender roles, which are socially constructed systems. While there are inherent biological sex-based differences between men and women, gender inequality is a form of social discriminations .Gender inequality is thought to show in a hierarchical view of genders, where the men are above the women, who are considered inferior and less valued by their gender. This involves a hierarchy of power. Gender equality in turn shows in equal value and opportunities for both genders. Gender inequality is present in most circumstances, and has been since ancient times. It is a theme that has been discussed thoroughly since the beginning of recorded interactions between men and women. Though at first sight it appears a sociological input, there are works that advocate for this matter to contain a sociobiological and evolutionary psychological background, Pragmatically, any idea is a product of education, so we shall consider how parenthood can contribute as a catalyst to this gender bias.

Objectives Of The Study: The objectives of the present are as follows:

- To study attitude towards gender equality of pre service student teachers.
- To study attitude of pre service student teacher towards upbringing of children.
- To study views of pre service student teacher on impact of upbringing styles of children on gender role

Null Hypothesis: There is no significant difference between attitude of pre service student teacher towards gender equality and upbringing of children.

Review Of Related Literature: A child's carliest exposure to what it means to be male or femule comes from parents (Lauer & Lauer, 1994; Santrock, 1994; Kapfan, 1991). From the time their children are babies, parents treat sons and daughters differently, desping infants in gender specific colors, giving gender differently decay, and expecting differently discharged indicates that parents have differential expectations of sons and daughters as early as 24 hours after birth (Rubin, Provenzano, & Luria, 1974).

Parents encourage their sons and daughters to participate in sex-typed activities, including doll playing and engaging in housekeeping activities for girls and

VOL. 5 | Special Issue 4 | April 2018

115

www.newmanpublication.com







playing with trucks and engaging in sports activities for boys (Eccles, Jacobs, & Harold, 1990). Children's toy preferences have been found to be significantly related to panetal sex-typing (Etaugh & Liss, 1992; Henshawith parents providing gender-differentiated toys and rewarding play behavior that is gender stereotyped (Carter, 1987). While both mothers and fathers contribute to the gender stereotyping of their children, fathers have been found to reinforce gender stereotypes more often than mothers (Rubble, 1988).

Sanders (1997) highlights the role of teacher deducation and states that 'those learning how to teach today will be responsible for teaching the next too generations. If we want an environment is which girls and boys are treated, and treat each other, with respect and kindness, and in which girls as well as boys are urged and expected to fulfit their potential without restriction, then emust begin teaching about gender equity in our teacher education programs as a matter of course (Sanders, 1997). Sanders emphasizes the social responsibility teachers have in their classyoons and towards their pupils and students.

Gender roles are considered by scholars to be social constructs that start at birth (Eagly, Wood, & Diekman, 2000; Epstein, 1988). Children grow up and assimilate into a normalized feminine or masculine gender, influenced by family, mass-media, and teachers. Feminine and masculine gender roles are then reproduced throughout an individuals' life. Furthermore, masculine characteristics are globally more valued, favored, and preferred over feminine characteristics, which leads to sexism (Koenig, Eagly, Mitchell, & Ristikari, 2011). However, the degree of female undervaluation appears to change depending on the country. Accordingly, some societies may not give similar rights and opportunities to girls. Accordingly, some societies may not give similar rights and opportunities to girls and women - such as education, health care, nutrition or employment - that they give to boys and men.

#### Research Methodology:

Sample: Sample for the study comprised of 80 graduate pre service student teachers (B.Ed. students) with distribution of 20 hoys and 60 girls from Shri Shivaji College of Education ,Amravati using simple random purposive sampling technique.

Statistical Techniques Used: 'I' test was applied to know the significant difference between the scores of attitude towards gender equality of pre service student teachers towards children upbringing.

Analysis and Interpretation of Data: The difference in the attitude towards gender equality of graduate females and males was calculated using t-test. The values obtained are mentioned below. The I-value for difference in attitude towards gender equality of graduate boys and girls came out to be, which is significant at 0.01 level. The mean value for attitude towards gender equality of pre service female service student teachers (77.3) is more than the mean value for attitude towards gender equality of male reservice student teachers (49) and this difference is statistically significant.

Therefore, our null hypothesis stating, "There exists no significant difference in the attitude towards gender equality of pre service student teachers" stands rejected. It means pre service student teacher differ significantly in their attitude towards gender equality.

#### Conclusions:

- 1) In 21st-century Indian States culture, gender roles continue to be in a state of flux to some extent, although traditional gender roles still apply in many close the strong. Isst, uggressive, dominant, and achieving, while traditional roles for gris are to be ensistive, intuitive, passive, emotional, and interested in the things of home and family. However, these gender roles are culturally bound. Therefore, it must be assumed that culture and socialization also play a part in gender role acquisition.
- 2) Socialization is the process by which individuals learn to differentiate between what society regards as acceptable and unacceptable behavior and act in a manner that is appropriate for the needs of the society. The socialization process for teaching gender roles begins almost immediately after birth, when infant girls are typically held more gently and treated more tenderly than are infant boys, and continues as the child grows, with both mothers and fathers usually playing more roughly with their male children than with their female children. As the child continues to grow and mature, little boys are typically allowed to roam a wider territory without permission than are little girls. Similarly, boys are typically expected to run errands earlier than are girls. Whereas sons are told that "real boys don't cry" and are encouraged to control their softer emotions, girls are taught not to fight and not to show anger or aggression. In general, girls are taught to engage in expressive, or emotion-oriented, behaviors, while boys are taught to engage in instrumental, or goaloriented, behaviors. When the disparity between the way they teach and treat their daughters and sons is pointed out to many parents, they often respond that the sexes are naturally different not only biologically but behaviorally as well.
- 3) The teaching of gender roles does not only come through obvious verbal teaching from parents and other elders in society; it also occurs in more subtle ways as well. Many people have observed that children's toys are strongly gender-typed. Girls are

#### New Man International Journal of Multidisciplinary Studies (UGC Approved Journal No. 45886)

ISSN: 2348-139 Impact Factor: 4.321 (IIJIF

often given "girl" twos such as dolls, play kitchen, and similar usy that each them traditional, social, and similar usy that each them traditional, social, and similar usy that each them traditional, social, and the social general properties on the other hand, are often given sports equipment, tools, and toy trucks, all of which help prepare them to act within traditional male gender roles. Even if nothing is ever said to children about the gender-portrainers of these toys, research has shown that by the time they reach school age, many children have already come to believe that professions such as physician, pilot, and athlete are the domain of men, while women are suppussed to have careers as teachers, unuses, secretaries, or mothers

4) Isasensitivity to discriminatory behaviour towards girls may result from training them for obedience, excessive politeness at the expense of assertiveness, which is still widespread in the dominant model of social education. It's worth examining the awareness of students of both genders as to what they consider signs of crossgender discrimination, and which behaviours that in fact are discriminatory are justified by social apprayal.

#### References :

- "Correcting Stereotypes," (2001). Oregon Career Information System. Retrieved from: http://oregoncis.aurogon.esh/pdl/curriculum/Correcting Stereotypes.pdf
- Bihade Sangita (2015) "Gender School and Society" Nabh prakashan Amravati
- Gender and Family Roles' module Retrieved from http://www.ark.ac.nk/nill
- The Equality Commission Northern Ireland retrieved from www.equalityni.org
- 5. The Men's Project retrieved from www.mensproject.org
  6. Women's Human Rights Net retrieved from
- www.whrnet.org/docs/issne-women-politics.html
  7. The International Women's Right Action Watch
- retrieved from <a href="http://iwraw.igc.org/">http://iwraw.igc.org/</a>
  8. The European Women's Lobby/Young women for
- Equality in Europe <a href="http://youngwomen.womenlobby.org/">http://wow.finf.org.uk</a>
  9. Families Need Fathers retrieved <a href="http://www.finf.org.uk">http://www.finf.org.uk</a>

000

DOI Prefix: 10.22183 lournal DOI: 10.22183/23501081 UGC Aprroved Journal Sr.No.44476 ISSN 2350-1081

Impact Factor: 1.390



Research Demagoque

MEMBER OF Crossref



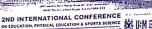






Shri Shivaji College of Education, Amravati





Kuala Lumpur - Malaysia | July 29-31 - 2017

ALUATE THE EFFECTIVENESS OF TEACHING THROUGH INDUCTIVE THINKING MODEL TO THE STUDENTS OF STANDARD IX

IN AMRAVATI CITY ABSTRACT

· Various methods and techniques are working in teaching-learning process to achieve the objectives of learning outcome; but it seems difficult to achieve these objectives to perfection; merely depending upon these traditional practices. Models of teaching are used to obtain certain levels of learning objectives in the present pedagogical system. In the present scenario Inductive Thinking Model is working as an assumption in itself for teaching learning process. In the present investigation two pupil teacher of biology method from Shri Shivoji College of Education, Amravati and 66 students of class ix of Shri Shivaji Maratha high school have been selected. Experimental method has been applied for the present research. Two groups that are control group and experiential group were taught by traditional and Inductive Thinking Model respectively. Statistical tools such as mean, standard deviation and T' value were used to analyze the data. It seems that Inductive Thinking Model is better than traditional teaching method. Students taught by Inductive Thinking Model found more motivated towards learning outcome. It is observed that students are more interested when taught by Inductive Thinking Model. Students also found motivated for self learning. Overall, it is found that Inductive Thinking Model works as an assumption in itself in the contemporary educational methods and laws.

INTRODUCTION-

In the teaching learning process the attainment of the learning objectives enhances the quality of education. We cannot say that only following the principles laid down by educational psychology leads us towards the perfecting of our educational goals. Because the marks gained by the students arises question towards our teachinglearning process. The continuous efforts in this direction by educationists and psychologists proved that though there is no perfect method of teaching to enhance the learning outcome but they developed some teaching models for this purpose.

Teaching methods can also be teaching models. To understand this we have to understand difference between teaching method and teaching model. In teaching methods factual variables and their correlation is taken into account; whereas a model is evaluated on the basis of its usability to create visual experience. It is difficult to make generalization on the basis of models because they are not based on factual

experiences. Every teacher applies his own strategy to obtain the specific objective according to the content. However teaching strategy provides the base for teaching models.

Teacher plans his lesson according to his objectives of learning outcome. For this he takes in to consideration the interest and capabilities of his students. He plans and creates learning atmosphere in such a way so that teaching learning process go through in a logical way. Teacher takes into consideration all the factual data so that teacher and students work on a similar platform.

Inductive Thinking Model is useful to develop intellectual process of students during the process of teaching and learning in the classroom. The thinking process works on two levels that are abstract and concrete. Concrete concepts are related to thinking process in which learner can give specific information, correlate the situation, compare and give factual information. Whereas making generalization, prediction with proper

R. D. Special Issue 2nd International Conference on Education, Physical Education, and Sports Science

analysis and giving logical examples can be termed as abstract concept for

as abstract concept formation.
THINKING PROCESS GROUP
In this thinking process all the elements

from concept formation to problem solving are taken in to account.

BENEFITS OF INDUCTIVE THINKING MODEL.

To stimulate the thinking process of students.

 Classify the things on the basis of similarity and difference.

3) Students are motivated for self learning NECESSITY AND IMPORTANCE OF THE TOPIC

To motivate and to make the students think creatively, this model proved very useful. Students can compare and retain the content for a long time. To understand the value of Inductive Thinking Model it is necessary to teach with this model. Minute study of this model will lead us towards choosing right teaching methods.

OBJECTIVES OF THE STUDY

 To prepare lesion plan by traditional method and by Inductive Thinking Model to teach Biology to std. IX students

To teach by traditional teaching method
 To teach by Inductive Thinking Model

To study the Effectiveness of Inductive Thinking Model for teaching biology.

#### RESEARCH VARIABLES

- Independent variable Inductive Thinking Model
- Dependant Variable learning outcome
   Controlled -variable medium of teaching
- limit of time, and content.
  POTHESIS
  It is hypnotized that Inductive Thinking Model

## is more useful than traditional teaching methods.

SCOPE AND LIMITATION
For the present investigation two pupil teacher
of Shri Shivaji College of education, Amravati and 66
students of class IX from shri shivaji Maratha high

## school were selected. RESEARCH METHOD

Experimental method is used for present investigation. Firstly pupil teacher were made aware thoroughly about Inductive Thinking Model them the students from shri shivial Maratha high school of class IX were divided into two groups of 33 students each. The first group was thought by traditional method and another group was taught

by Inductive Thinking Model. Then a test was administered to check the learning outcome. The following data is found after statistical analysis.

| No. of<br>Stude<br>nts |           | hing<br>itio | Teaching<br>by<br>Inductive<br>Thinking<br>Model | Val<br>ue | T value<br>significa<br>nce |
|------------------------|-----------|--------------|--|-----------|-----------------------------|
|                        | Mea       | SD           | Mea   SD   |           |                             |
| 33                     | 47.7<br>6 | 4.0<br>2     | 53.2 3.8<br>7 8                                  | 5.67      | Significan<br>tiy more      |

#### ANALYSIS AND CONCLUSION

The difference in mean is found after comparing the data of controlled and experiential group. The 'T' value found (5.67) significantly more on 0.05 scales.

#### CONCLUSIONS MADE BY OBSERVATIONS.

- Students found more involved while teaching through Inductive Thinking Model
- Students learned the topic on their own due to thinking involvement
- Students were found motivated towards learning and they themselves were motivating other students
- Inductive Thinking Model is very much useful to teach biology.

#### REFERENCES

- Best J. W. and Khan J. V., (2006), 'Research in Education', Dorling Kindersley (India)
- Aggarwal D.D.' (2005), "Problems of Quality and Excellance in Education", New Delhi.

#### Websites

http://bses.prg/history

http://enhananged.wgbh.org/103/304h.00/35/3 tml



## REVIEW OF RESEARCH

ISSN: 2249-894X

IMPACT FACTOR: 5.2331(UIF)
VOLUME - 7 | ISSUE - 4 | JANUARY - 2018
UGC APPROVED JOURNAL NO. 48514





## A STUDY OF CREATIVITY IN PROFESSIONAL COLLEGE STUDENTS

Dr. Vanita N. Kale Shri Shivaji College of Education, Amravati.

#### ABSTRACT-

Creativity is a potentiality which influences human activity in almost all spheres of life. Adolescence is transition period between childhood and adulthood. An adolescent is eager to interact with new experiences to find new relationships. The purpose of the study was to measure and compare creativity in adolescent students of Professional colleges.



The sample of 800 First year graduation adolescent students of medical and Engineering colleges were selected randomly for the study. Data collected by descriptive survey method. Bagar Mehdi's verbal test of creative thinking was used for analyse the data. The study concluded that male and female students of medical colleges were more creative than the male and female creative than the male and female

students of Engineering Colleges respectively.

KEY WORDS: childhood and adulthood.

#### INTRODUCTION:

Creativity means literally 'create' 'creation' or 'creative force' and power to create new works. It is relatively a new concept, especially linked with the concept of imagination (Nami et al 2014) Creativity is an ability to think about things in new ways to achieve unusual and unique solutions in problems (Saif 2008). Every day we face new challenges in all aspects of life and creativity is not only a means for adopting with changes but also a stimulus for producing knowledge in different fields of study.

Creativity is that act or ability to create something new through imaginative skills. It is a mental process involving the generation of new ideas. Creativity is finding concepts or association between existing and new concepts or rearranging what is known in order to find out what is not known (Arya et al 2016). The creative process takes place in the thought. Creative thinking has two aspects divergent thinking, and convergent thinking, A creative person requires passion and commitment, fresh way of looking at things, an understanding of people and an entrepreneurial willingness to take risk and work hard, ability to convince people that new ideal is good or better.

Creativity is important in everyday life because it makes life infinitely interesting and fulfilling. Creativity is a way of living life that embraces originality and makes unique connections between seemingly, disparate ideas. Creativity is about living life as a journey into seeing and communicating the extraordinariness of simplest, most every day acts. Creativity expands perceptions and along with expanded perceptions come new ways of problem solving.

Available online at www.lbp.world

College Or Search of College O

Principal
Shri Shivaji College of Education
Amrovati.

1

Creativity is the capacity or ability of an individual to create, discover or produce a new or naval idea or object, including the rearrangement or reshaping of what is already known to him which proves to be a unique personal unique personal experience creator. It is the potential which influences human behavior in scientific, technical and artistic fields. Creativity is one of the highest gifts that nature has fast owed on mass. Creativity enhances the capacity to make changes in the surroundings. In fact it is creativity which has helped code. helped society in its evaluation from the animal life to the present development.

Adolescence is transition period between childhood and adulthood. This is stage revolutionary period of growing up. During which child is developed into man and women. Adolescence is the time when the surge of life reaches its highest peak. The adolescence is eager to interact with new experiences to find new relationships to combine resources of inner ability. Creativity is a critical aspect of person's life stating from embryonic existence onward through adulthood.

Creativity begins in adolescence with the development of abstract thinking capacity together with the creative janurian homespatial and sep-con articulation processes. The adolescent task feature of rebelliousness in an intrinsic pact of attempts at independence from parents for creatively motivated adolescents, opposition has divergent innovative effects and it is preserved as a basis for cognitive opposite dispositions that are incorporated within the janusian process.

Adolescence is marked by bodily changes for both females and males. Body and sensation pre occupations as well as spatial alterations farm a basis during adolescence for flexible orientations to space, and the use of mental superimpositions and interpositions of the homospatial process.

Creative identity, the sense of oneself as a creative person, tends to start in adolescence and continue throughout life. This identity serves as a direct motivating factor for the acquisition of necessary skills and the pursuit of creative endeavour. Successful creation requires healthy psychological process and the flower of health adolescent development.

Adolescents do produce effective poetry and creative writing that may or may not continue throughout life. Other types of creativity that begin in adolescence are manifested in visual artistic pursuits, musical performance and composition, aspects of abstract and formal thinking capacities and technical pursuits and exploration. These all develop rapidly during this period. Creative writing especially is often focused on personal feelings, ideas and experiences and dramatizes and constantly changing and developing inner sense of self and identity. Hence an investigator made an attempt to measure the creativity among adolescents.

#### **OBJECTIVES**

- To measure the creativity of adolescent in various professional colleges.
- To compare the creativity of adolescents in various professional colleges.

#### HYPOTHESES

- There is no significant difference between the creativity among the male students of medical and engineering colleges.
- There is no significant difference between the creativity among the female students of medical and engineering colleges.

#### METHODOLOGY

#### Method

The present research based on survey method particularly the descriptive survey research.

#### Sample

The sample comprised of 800 students of first year of graduation in which 400 Medical (200 male + 200 female) college students and 400 Engineering College students (200 male + 200 female) were selected randomly from the medical and engineering colleges of Amravati University.

#### Available online at www.lbp.world

#### Tool

Baqer Mehdi's Verbal Test of Creative Thinking (1985) was used to measure the factors of creativity like fluency, flexibility, originality and total creativity of the students.

#### Statistical Analysis

Both the descriptive and inferential statistics were employed for analysis of data. The descriptive statistics such as Mean and standard deviation were used.

Inferential statistics such as "t test was employed "t value was calculated to know the significant difference between the creativity of male and female students of medical and engineering colleges.

#### **Analysis of Data**

#### Testing of Ho1

There is no significant difference between the creativity among the male students of medical and engineering colleges.

Table 1: Showing the significance of difference between the creativity among the male students of

| medical and engineering colleges. |         |               |       |                   |          |                   |  |  |
|-----------------------------------|---------|---------------|-------|-------------------|----------|-------------------|--|--|
|                                   | Male st | udents        |       | ੀ 't' value       | Level of |                   |  |  |
| Variables                         | Medica  | Medical (200) |       | Engineering (200) |          | significance 0.05 |  |  |
|                                   | Mean    | S.D.          | Mean  | S.D.              |          |                   |  |  |
| Fluency                           | 44.63   | 14.27         | 31.54 | 9.79              | 12.31    | Significant       |  |  |
| Flexibility                       | 29.95   | 6.40          | 21.80 | 6.29              | 12.82    | Significant       |  |  |
| Originality                       | 13.92   | 8.82          | 5.87  | 4.84              | 11.31    | Significant       |  |  |
| Total                             | 90.50   | 26.27         | 59.22 | 18.70             | 13.71    | Significant       |  |  |
| Crostivity                        | 1       | 1             | 1     | 1                 | 1        |                   |  |  |

From the table 1 the mean scores of the male student of medical and engineering colleges on the measure of fluency were found to be 44.63 and 31.54 and their corresponding S.D. were found to be 14.27 and 9.79 respectively. The 't' value was found to be 12.31 which is significant. Hence it may be concluded that male students of medical colleges with their significantly high mean score possessed significantly greater fluency than male students of Engineering Colleges.

Comparison between male student of medical and Engineering college on the measure of flexibility, originality and total creativity calculated the 't' values were found to be 12.82, 11.31 and 13.71 respectively which were more than the table value 1.96. Hence Ho<sub>1</sub> was rejected.

It is inferred that there was a significant difference between the flexibility, originality and total creativity among the male students of medical and engineering colleges.

It is concluded that male students of medical colleges were much creative than male students of engineering colleges.

#### Testing of Ho

There is no significant difference between the creativity among the female students of medical and engineering colleges.

| Variables           | Female<br>Medica | students<br>I (200) | Engineer | ing (200) | " value | Level of significance 0.05 |
|---------------------|------------------|---------------------|----------|-----------|---------|----------------------------|
| -                   | Mean             | S.D.                | Mean     | S.D.      | 4.26    | Significant                |
| Fluency             | 40.99            | 16.16               | 34.90    | 12.11     |         | Significant                |
| Flexibility         | 27.22            | 8.09                | 24.62    | 6.69      | 3.63    | Significant                |
| Originality         | 12.21            | 8.81                | 8.83     | 6.07      | 4.46    | Significant                |
| Total<br>Creativity | 80.42            | 29.74               | 68.26    | 22.05     | 4.64    | Significant                |

From above table 2 the mean scores of the female students of medical and engineering colleges on the measure of fluency were found to be 40.99 and 34.90 and their corresponding S.D. were found to be 16.16 and 12.11 respectively. The 't' value was found to be 4.26 which is significant at 0.05 level of significance. Hence it may be concluded that female students of medical colleges with their significantly mean score possessed significantly greater fluency than female students of Engineering Colleges.

Comparison between the female students of medical and Engineering colleges on the measure of flexibility, originality and total creativity the calculated 't' values were found to be 3.63, 4.46 and 4.64 respectively which were more than the table value 1.96. Hence Ho<sub>2</sub> was rejected.

Therefore, it is inferred that there was a significant difference between the fluency, flexibility, originality and total creativity among the female students of medical and engineering colleges.

It is concluded that female students of medical colleges were more creative than female students of engineering colleges.

#### CONCLUSIONS

- Male students of medical colleges were more creative than the male students of Engineering colleges.
- Female students of medical colleges were more creative than the female students of Engineering colleges.

#### SUGGESTIONS

Creativity is a valuable skill and there are common strategies teachers can use to help students to develop it. .

- Plan and frame curriculum and provide tools that give students options, voice and choice in order to enable them to be creative.
- Remove constraints for creativity and give the students space and a framework in which they can be creative.
- > Teach student how think than what to think.
- > Foster a question friendly environment help students develop the habit of asking why questions.
- > Practice generating more ideas.
- > Encourage new skills.
- Model creativity in the classroom. To help students unleash more creativity, lead by example and openly share original ideas with the class.
- > Use the Jigsaw classroom method. Allow students to do some work on there own.
- Visualize goals with timelines.
- Team build exercises.
- > Challenge advanced students with extension projects.
- Rewards and recognition are key to motivating students.
- Encourage discussion.

#### REFERENCES

Gupta, N.L. (1992) Creativity and values, Educational Perspectives, Arya Book Depot, New Delhi.

Available online at www.lbp.world

- Hota, A.K. (2002) Creativity Cultural Perspective, Discovery Publishing House, New Delhl.
- JHA Surya Kant (1978) An analysis of Certain Dimensions of Creativity, Himalaya Publishing House, Bombay.
- Mangal S.K. (1993) Advanced Educational Psychology, Pretics Hall of India Pvt. Ltd. (Second Edition)
- Raina, T.N. (1982) Sex differences in creativity in India, A Second Book Indian Education Review 17 (3)
- Sharma, K.N. (1979) Dynamics of Creativity, National Psychological Corporation, Agra
- Torrance, E. Paul (1969) Guiding Creative Talent, Bareau of Educational Research, Prentics Hall of India Pvt. Ltd. New Delhi.
- Venkaleswaran, S (1989) Creativity and Teacher Competence Journal of Educational Research and Extension 26(2).
- https://www.ompsychologytoday.com Adolescence and creativity.
- https://margin.com Creativity among adolescents.



leveraged by all the Universities and colleges, J.C. Aggarwal, (2006)[4]. Quality must be built into each design and each process. It cannot be created through inspection. However, it should be a onetime activity and is also to be continuously modified. So far teacher education is concerned, NCTE has come out with a changed structure of various teacher education programmes with several new and innovative components and it is our responsibility to ensure that all these components are efficiently integrated with the academic audit process. The University and its affiliated colleges will make all efforts to ensure

#### References:

- Ashakanwar (2007) & Kanwar (2007), The 12th Cambridge International Conference on open and distance learning What do we know about using new technologies for learning and teaching? Digital Divide or Digital Dividend?
- 2. NCERT, (2014) syllabus, B.Ed. curriculum Framework.
- 3. J.C. Aggarwal, (2006) Teacher and Education in a Developing Society, fourth Edition, Vikas Publishing House Pvt limited, New Delhi.
- R. A. Sharma, (2004) Teacher Education-Theory, Practice and Research, International Publishing House, Meerut, (U.P) India
- file:///H:/EXTENDING%20BACHELOR% 20OF%20EDUCATION%20PROGRAMME.html
- http://www.macrothink.org/journal/ index.php/ijld/article/download/1471/1186 http://www.academia.edu/4564980/
- Sample\_Internship\_Report\_useful\_for\_M.Ed.\_St udents
- http://www.worldwidejournals.com/ijar/ 8. file.php%3Fval%3DDecember\_2015\_14507 0373920.pdf
- http://ro.ecu.edu.au/cgiviewcontent.cgi% 3Farticle%3D1147%26 context%3Daite
- 10. http://uir.unisa.ac.za/bitstream/handle/ 10500/10502dissertation\_hendrikse\_ jv.pdf%3 Fsequence%3D1
- 11. http://ncte-india.org/Curriculum %2520Framework/B.Ed%2520Curriculum.pdf

## Student's of Personal Values in relation to their Self concept

Dr. Vanita N. Kale Shri Shivaji College of Education, Amravati

#### Abstract

Values are collective conceptions of what is considered good, desirable and proper or bad, undesirable and improper in a culture. The term self concept is a general term used to refer to how someone thinks about, evaluates or perceives themselves. To be aware of oneself is to have a concept of oneself. Students who demonstrated patterns of low academic value and low academic self concept often tend to perform poorly in school (Gans, Kenny & Ghany 2003). The purpose of the study was to investigate the relation between students' personal values with their self concept. The sample of 800 students selected randomly from the 10 State Board Schools of Amravati District. Data collected by descriptive survey method. Personal value questionnaire constructed by Dr. Mrs. G.P. Sherry, Dr. R.P. Verma and Rajkumar Saraswat's self concept questionnaire were used as a tool for data collection. Mean, S.D. and co-efficient of co-relation (r) were used to analyse the data. The study concluded that there was negative and negligible relationship between self concept with personal values such as Religious, Social, Democratic, Aesthetic, Economic, knowledge, Hedonistic, Power, Family prestige and health value of State Board students.

Introduction

The term self concept is a general term

र्क्ष्यवातात्त्रात्त्राः Interdisciplinary Multilingual Refereed Journal ाणुवला निवर्णण ४०१४ (॥॥॥)

Shri Shivaji College of Education Amravati.



Vidyawarta 8

used to refer to how someone thinks about, evaluates or perceives themselves. To be aware of oneself is to be have concept of oneself. According to Baumeister (1999) "Self concept is the individual's belief about himself or herself, including the person's attributes and who and what the self is."

Self concept is defined as a value that an individual places on his or her own characteristics, qualities, abilities and actions (Woolfolk 2001). Self concept is not innate but is developed and constructed by the individual through interaction. The aspect of self concept is important because it indicates that it can be modified or changed (Franken 1994). The way an individual views himself accounts to a large extent for his success.

Our self concept is important because it influences how we think, feel and act in every day organizational life. Understanding the self concept is particularly important for managers because self knowledge helps managers' understand why they do the things they do and how their beliefs and behaviours affect themselves, others and the organization for better and worse.

Values are ideas that guide us in action. In this they are similar to plans, goals, fears, intentions, policies etc and the like. All these are ideas which guide us in action. Among these ideas, values alone concern the manner of our actions rather than the consequences (as with plans, goals and fears) or the mere fact of their performance (as with intentions and policies). Values guide us not just in action but also in planning and goal setting. Our goals, plans, policies etc are all justified in terms of our values. Values are also updated due to new information, like when we are exposed to previously unknown consequences of choice. A person explains most of their actions by using their values. This explanation is called 'giving a reason' for your action. And the ability to give reasons that make sense to other people

(usually by referring to values) is called 'being

rational'. Our values helps us achieve clarity regarding why we do, what we do and accordingly stay and track and live a consistent life. All our actions and decisions are affected by our values. Anthony Robins, in his books titled 'Awaken the Giant Within' states that values guide our decision and therefore our destiny. The person who knows his values and live by them becomes the leader of our society. Values are as important as competencies to achieve our goals knowing others. Value is equally important to understand their behaviour and the causes behind it, their decision making by understanding their values. Terminal values provide us a sense of fulfillment, richness and reward.

At the present time moral values are as important as scientific and technological activities and progress made by science and technology improves the conditions of our material life. Certainly the moral values in today's generation are lacking and generations will be confused about their ethics. The adolescents are the future of tomorrow, so the lack of moral values especially among this important section of the society is a serious issue. The root cause of the lack of moral values among adolescents is the disturbances in their families as family is the key factor behind moral. crises because children acquire moral values from the family. Now the changes in our economic and social system after the advent of globalization, negatively influences the adolescents moral developments.

Saraswat R. (1982) in his study concluded that boy's self concept was positively and significantly related to political and religious values while the girl's self concept was not related to any of these values. Kulshreshtha R. (1983) investigated that value orientations affected the concept of self in adolescent. Value orientations had a positive affinity with self

्रेविद्यावार्ता: Interdisciplinary Multilingual Refereed Journal ImpactFactor4.014(||J|F)

Tool

concept among male as well as female adolescents under different level of interest. Maya Benish, Ellas Daniel and Kristina L. McDonald (2019) found that self esteem related negatively to self enhancement values and positively to conservation values using zero order correlations.

Students who come to value and engage in tasks will develop a greater sense of positive self concept of abilities and thus an expectancy to succeed (Eccles 2005, Deci & Ryan 1985, Eccler et al. 1983, Harter 1983). Self concept can be considered as a key component of value because of their validity in predicting effect, task choice and persistance (Metallidou & Vlachou 2007). Thus in order to understand student value and its influence on student learning it seems important to take into account other aspects of value, such as students self concept belief. Spinath and Spinath (2005) conducted a study that examined the link between students value and self concept. The results indicated that both self concept and value decreased across the school year. In addition, value and self concept were shown to be moderately to strongly correlated with each other.

Narayanan, Santha Kumar, Sajjan Rao, and Gopu Kumar (1994) found hat self concept, self respect are assigned high ranks by Indian business students and business students of Singapore with regard to the way they given importance to values. Both the groups attach least importance to values like caste, politics and relatives.

Nisha (1991) concluded that adolescents high on alienation differed significantly from those who were low on alienation on the score for all the dimensions of personality, aesthetic values and self esteem.

There is a significant relationship between self-concept and values among higher secondary students.

Keeping fact in view the present study attempt to find out the relationship between

personal values and self concept of students.

Objective

To investigate the relationship between personal values and self concept of students. Hypothesis

There is relationship between the types of personal values dimensions like religious, social, democratic, aesthetic, economic, knowledge, Hedonistic, Power, Family and Health value and self concepts of the State Board students at Amravati District.

The present study is based on survey method. This research can be located in a descriptive co-relational research.

Research sample comprised of 800 students (400 male + 400 female) who were randomly selected from the 10 State Board schools of Amravati district. The sample profile is given in Table 1.

The self concept questionnaire developed by Raj Kumar Saraswat was used to find out the self concept among the state board students. In the questionnaire 6 dimensions and 48 item (Each dimension has eight questions) were included to measure the self concept. The dimensions are physical, social, intellectual, moral, educational and temperamental. The test —retest reliability of the questionnaire was found to be .91 for the total self concept.

Personal value questionnaire constructed by Dr. Mrs. G.P. Sherry and Dr. R.P. Verma was used to measure the personal values among the state board students of Amravati District. The questionnaire contained 40 questions divided between the 10 types of dimensions of personal values such as religious, social, democratic, aesthetic, economic, knowledge, hedonistic, power, family prestige and health value. The test-retest reliability for overall dimensions was nearby .60.

Statistical Techniques

अविद्याताता: Interdisciplinary Multilingual Refereed Journal Impact Factor 4.014 (IIJIF)

Both descriptive and inferential statistics were employed for analysis of data. The descriptive statistics such as Mean and S.D. were used.

Inferential statistic such as person product moment co-relation co-efficient was used to know the co-relation between the types of personal values and self concept of state board student.

## Analysis of the Data

Table 1: Showing the descriptive analysis of the self concept and dimensions of personal values of state board students.

| Students              | Ma    | le 40 | Female 400 |       |  |
|-----------------------|-------|-------|------------|-------|--|
|                       | Mean  | S.D.  |            |       |  |
| Total self concept    | 129.3 | _     | Mean       | S.D.  |  |
| Religious value       | _     | 16.15 | 145.45     | 16.17 |  |
| Social Value          | 10.70 | 4.68  | 10.67      | 4.73  |  |
|                       | 10.58 | 4.74  | 9.87       | 4.02  |  |
| Democratic value      | 14.19 | 6.36  | 12.88      | 4.62  |  |
| Aesthetic value       | 11.93 | 4.78  |            | _     |  |
| Economic value        | 13.85 |       | 12.53      | 4.70  |  |
| Knowledge value       |       | 5.12  | 13.94      | 4.76  |  |
| Hedonistic value      | 13.7  | 4.67  | 13.66      | 4.69  |  |
|                       | 12.54 | 4.86  | 11.40      | 4.65  |  |
| Power value           | 12.76 | 4.17  | 12.62      | 4.53  |  |
| Family Prestige value | 9.78  | 4.11  |            | _     |  |
| Health Value          |       |       | 12.24      | 4.73  |  |
|                       | 10.04 | 4.28  | 11.66      | 5.15  |  |

Table 2 : Showing the correlation between the types of personal values and self concept of state board students.

| Variables Dimensions of Personal<br>Values self concept | Mumber of<br>Students | Obtained<br>(r) | Level of significance<br>0.05 |
|---|-----------------------|-----------------|-------------------------------|
| Re I gious value  | 800                   | -0.02           | Not significant               |
| Social Value  | 800                   | -0.01           | Not significant               |
| Democratic value  | 800                   | - 0.003         | Not similificant              |
| Assthetic value   | 800                   | -0.03           | Not significant               |
| Economic value  | 800                   | -0.01           | Not significant               |
| Knowledge value   | 800                   | -0.060          | Not significant               |
| Hedonistic value  | \$00                  | - 0.09          | Not significant               |
| Power value   | 800                   | -0.01           | Not significant               |
| Family Prestige value                                   | 800                   | -0.003          | Not significant               |
| Health Value  | 800                   | -0.02           | Not significant               |

For 798 df. Table value of 'r' is 0.062

From the above table it is observed that for 798 degree of freedom the obtained correlation co-efficient (r) between self concept with religious, social, democratic, aesthetic. economic, knowledge, Hedonistic, power, family prestige and health value is - 0.02, - 0.01, - 0.003, - 0.03, - 0.01, - 0.06, - 0.09, - 0.01, - 0.003, - 0.02 respectively which are negative and not significant at 0.05 level of significance.

Therefore it is inferred that there is negative and negligible relationship between self concept with religious, social, democratic, aesthetic, economic, knowledge, hedonistic. power, family prestige and health value of state board students

#### **Conclusion and Suggestions**

The study aimed to investigate the relationship between self concept with dimensions of personal values among the state board students of Amravati District. It is concluded that there is negative and negligible relationship between self concept and personal values, dimensions.

Since the parents, teachers and students is of great importance in the evaluation of self concept and personal values, therefore educational application in the form of suggestions for parents, teachers and schools is offered.

Teacher and parents should always behave according to good values so that students learn to behave like that without any confusion.

Curriculum should be very practical and value oriented.

There should be value counseling sessions in each school so that students get proper guidance in any value conflict.

Schools should carry out different activities to trace out hidden values in students and strengthen various value such as health value through sports competitions and counseling about food habits.

Teacher and parents should never talk in a way with students, which is harmful for their self concept.

School should arrange different socially interactive activities to strengthen self concept of students.

Students should work to improve their moral and temperamental self concept.

🗪विद्यावार्ताः Interdisciplinary Multilingual Refereed Journal ImpactFactor4.014/IUIF

Oct. To Dec. 2017

095

lssue-20, Vol-04 academic achievement 'Ph.D. Psycho. Punjab

Adolescents views should be taken into consideration in any decision making procedure by the family members as well as by the teachers.

UGC Approved

Jr.No.62759

In a rapid changing world, the cultivation of an all round personality, sensitive to problems in environment is important, vital and necessary. A special care and personalized support system is therefore, imperative to nourish the potentialities of students. Hence for positive self concept development among students, Parents and teachers can through the medium of meaningful relationship, be significant and should recognize the child's efforts and let them know that you have confidence in their ability

Uni.

http://www.encyclopedia.com – Values – The concept of values.

http.//www.hrkatha.com – Understand values and their role in human life.

http://www.dailyexcelsior.com – Thared values Among Adolescents.

http://www.iaa.govt.n2 - Personal beliefs, values, attitudes and behavior.

www.yourarticlelibrary.com

www.sciencedirect.com http://semanticscholar.org-Elementary students' Self concept and value towards reading & Math.

## to do well.

Best John W. and Kahn. James V. (2002) Research in Education 7<sup>th</sup> edition, New Delhi, Prentics Hall of India Pvt. Ltd.

Bharathi T. Aruna and Sreedevi P. (2016) A study on the self concept of Adolescents, International Journal of Science and Research 512-517.

Gayen Ruma and Behera Dr. Satosh Kumar (2018) self concept of Post Graduation Students: An Empirical study International Journal of Research and Analytical Reviews Vol. 5 (Issue 3) 1857 – 191 Y

Kaul Lokesh (2005) Methodology of Educational Research, New Delhi Vikas Publication House Pvt. Ltd.

Lindquist E.F. (1968) Statistical Analysis of Educational Research Oxford and IBH Publishing Company, Calcutta.

Narayanan S. Santa Kumar, K. Daniel and Sajjan Rao K. (1994) 'Value Orientation Among Indian and Singapore Business Student' Indian Journal of Applied Psychology Vol. 69 (3 & 4) 150-116.

Nisha (1991) A study of adolescent alienation in relation to personality values, adjustment, self esteem, locau of control and 000

्रिविद्यावार्ता: Interdisciplinary Multilingual Refereed Journal Impact Factor 4.014 (IIJIF

DOI Prefix: 10.22183 Journal DOI: 10.22183/23501081 UGC Aprroved Journal Sr.No.44476 ISSN 2350-1081 IMPACT FACTOR 5.210



INFOBASE NOEX MEMBER OF

OPEN BACC

ACCESS POND SMACE d

DR. VANITA N. KALE Principal Shri Shivaji College of Education, Amravati



International Conference on Future Prospective of Physical Education,

Sports Sciences and Yogic Practices (15th to 16th December 2017)

Department of Physical Education,

S. G. B. Amravati University, Amravati, M.S.

S. G. B. Ampayati University, Ampayati, M TUDY THE EFFECTIVENESS OF LECTURE METHOD AND DISCUSSION METHOD FOR HISTORY TEACHING

#### ABSTRACT

Teaching is the most difficult task. In order to make children learn effectively the teacher has to adopt the right method of teaching Teaching is not a mechanical process. It is an intricate, exacting and challenging job. There are various methods of teaching for various subjects. History subject is called a mother of social sciences. Leature method is the oldest method of teaching history. Discussion is an ordered process of collective decision making. It is a sharing and weighing of all sides which are as many as there are conflicted interest or values. The purpose of the research was to study and compare the effectiveness of lecture method and discussion method for history teaching. The sample of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female student of 100 students comprised of 50 male and 50 female students of 100 students comprised of 50 male and 50 female students of 100 students comprised of 50 male and 50 female students of 100 students comprised of 50 male and 50 female students of 100 students comprised of 50 male and 50 female students of 100 students comprised of 50 male

#### Introduction :

Today the world is passing through rapid changes. In such a world, education cannot resist change. The imperatives of new times, new demands and new visions require an education of such quality as never was visualized in human history. It is being realised that education is a concept philosophically evolved psychologically developed and socially based. These bases of modern education has arisen a number of significant trends in teaching and learning practices.

During the past few decades a spirit of change and innovation pervades educational activities in many parts of the world. One of the most significant trends in today's school is the encouragement of creativity. Children are helped to set their goals, plan their own activities, work in groups in which opinions can be shared.

#### Need and significance of the problem :-

History subject is said to be the 'Queen' or 'Mother' of the social sciences. It has become a scientific study dealing with the whole truth and nothing but the truth. It is the study of totality of human behavior. It has broadened its scope and more attention is given to the common people as well as leaders in a public life. So the history teacher must be fully with the different methods of teaching because it is teaching method that determines the quality of results and value inclusion.

Discussion is one of the most valuable method is teaching of history. It is in fact, social action in its purest form the solution of a problem through the establishment of agreement or consensus. Ideas are initiated, there is exchange of opinion accompanied by a search for its factual basis. It activates thinking along the lines of self evaluation. It is valuable in that it represents a type of intellectual team work resting on the philosophy and principle that the pooled knowledge, ideas and feelings of several persons have greater merit that those of a single individual Discussion helps children crystallize their thinking, helps identify concepts. Lecture method is oklest method of teaching history. Lecture lixes the attention of the pupils on the significant details. A few minutes lecturing can help to clarify matter and save valuable time.

R. D. Special Issue Future Prospective of Physical Education, Sports Sciences and Yogic Practices



Im und

353

Through lecture the teacher can very well guide the pupil by summarizing the main points. It is one of the best way of presenting additional materials. The need of right method of teaching cannot be underestimated in an ideal system of education. Hence an investigator made an attempt to study the effectiveness of lecture method and discussion method for teaching of history subject.

## Objectives :

- 1. To study the effectiveness of lecture method for history subject teaching.
- 2. To study the effectiveness of discussion method for history subject teaching.
- To compare the effectiveness of lecture method and discussion method for history subject teaching.

Hypothesis: There is no significant difference between the effectiveness of lecture method and discussion method for teaching of history subject.

## Design of the study:

In the present study experimental method was used.

#### Sample:

The sample comprised 100 students (50 male + 50 female) studying in IXth std. of were selected randomly for the study.

## Tool:

Teacher made test was used.

#### Statistical Analysis:

Both the descriptive and inferential statistics were employed for analysis of data. The descriptive statistics such as Mean and Standard deviation were used.

Inferential statistics such as 't' test was employed 't' value was calculated to know the significant difference between the effectiveness of lecture method and discussion method for history subject teaching Analysis of Data :

ne of score of lecture method and discussion method :

| Group             | No of students | Mean  | 5.D. | 1 Value | Value Level of Eignificance |             |  |
|-------------------|----------------|-------|------|---------|-----------------------------|-------------|--|
| Lecture Method    | 50             | 13.12 | 2.05 | 11.13   | 0.05                        | 0.01        |  |
| Discussion Method | 50             | 17.24 | 1.79 | ,0      | significant                 | Significant |  |

The above table shows that for 98 df: 0.05 and 0.01 level of significance the calculated 't' value is 11.13 which is more than the table value 1.98 and 2.63] respectively.

Therefore it is inferred that significant difference found in between the means of score of lecture method and discussion method.

Table - 2 Comparison between the means of score of lecture method and discussion method obtained by

| male students                       | No. of Students | MEAN  | 5.D. | · L'yaluc | Level of 6  | ignificance |
|-------------------------------------|-----------------|-------|------|-----------|-------------|-------------|
| Lecture Method<br>(Male student)    |                 | 14.08 | 1.71 | q         | 0.05        | 0 01        |
| Discussion Method<br>(Male student) |                 | 17.68 | 1.15 | 7         | significant | significant |

The above table shows that for 48 df: 0.05 and 0.01 level of significance the calculated 't' value is 9 which is more than the table value 2.01 and 2.68 respectively.

Therefore it is inferred that significant difference of lecture and discussion found in between the means of score of lecture and discussion method obtained by male students.

Table - 3: Comparison between the means of score of lecture and discussion method obtained by the female students

R. D. Special Issue Future Prospective of Physical Education, Sports Sciences and Yogic Practices

DOI Prefix: 10.22183 lournal DOI: 10.22183/23501081

## UGC Aprroved Journal Sr.No.44476 ISSN 2350-1081

IMPACT FACTOR 5.210

| Greup                                 | No. of Student | Mean  | 5.D. | 't' value | Level of 5  | ignificance      |
|---------------------------------------|----------------|-------|------|-----------|-------------|------------------|
| Lecture Method                        | 25             | 12.16 |      | 6.17      | 0.05        | 0.01             |
| (Female student)<br>Discussion Method | 25             | 16.8  | 2.17 | 8.14      | Significant | significant      |
| (Female student)                      |                |       |      |           | 1 1 1       | a. J 91 value is |

The above table shows that for 48 df 0.05 and 0.01 level of significance the calculated 't' value is

8 14 which is more than the table value of 2.01 and 2.68 respectively. Therefore it is inferred that significant difference found in between the means of score of lecture and discussion method obtained by he female students

Table - 4. Comparison between the means of score of male students in lecture method group and female students in discussion method group

| atticonia in this district            | · .            |       |         |           |             |             |
|---------------------------------------|----------------|-------|---------|-----------|-------------|-------------|
| CELBUP                                | No of students | Mean  | .d ⋅D ⋅ | 'L' value | Livel of si | gnificance  |
| Lecture Method<br>(Male student)      |                | 14.08 | 1.7]    | 5.13      | 0.05        | 0.01        |
| Distrusion Methal<br>(Female student) | 25             | 16.8  | 2.17    |           | -           | Significant |

The above table shows that for 48 df: 0.05 and 0.01 level of significance the calculated 't' value is 5.13 which is more than the table value of 2.01 and 2.68 respectively.

Therefore it is inferred that significant difference found in between the means of score of male students in lecture method group and female student in discussion method group.

Table - 5: Comparison between the means of score of female students in lecture method group and male n mother larg

| students in discussion me           | thod group.   |       |      |           | 1 / 2       | Carl' cana       |
|-------------------------------------|---------------|-------|------|-----------|-------------|------------------|
| GLOUP                               | No of student | Mean  | 5.00 | 't' value | LEAGL OF O  | MINICALLE        |
| Lecture Method<br>(Female student)  | 2.5           | 12.16 | 1.97 | 12:54     | 0.05        | 0.01             |
| Discussion Method<br>(Male student) | 25            | 17.68 | 1.15 | 12:39     | Significant | significant      |
| Ciriate scamon -                    |               |       |      |           | 41          | A 1 M' andres in |

The above table shows that for 48 df: 0.05 and 0.01 level of significance the calculated 't' value is 12.54 which is more than the table value of 2.01 and 2.68 respectively.

Therefore it is inferred that significant difference found in between the means of score of female students in lecture method group and male students in discussion method group.

Finding:

There is significant difference found in between the means of score of lecture method and discussion method. Hence it is concluded that discussion method is more effective for teaching history subject than lecture method.

Conclusion:

The modern education is a revolt against the bookishness of the past. The child is placed on the pedestal of glory and the teacher's position in this respect has altogether changed. Methods of instruction and contents of instruction have also undergone profound changes and have become new and novel. Instead of inculcating a dull reception, an uncritical acceptance and a passive spectatorship, the new methodology encourages active perception, active thinking and active acting.

References :

R. D. Special Issue Future Prospective of Physical Education, Sports Sciences and Yogic Practices

## DOI Prefix: 10.22183 Journal DOI: 10.22183/23501081

## UGC Aprroved Journal Sr.No.44476 ISSN 2350-1081

IMPACT FACTOR 5.210

- Best, J.W. and Kaln J.V. (2011) Research in Education 10<sup>th</sup> Edition, New Delhi- 110001
- Bhatiya Kamala and Bhatiya, B.D. (1990) The Principles and methods of Teaching, Doaba House, Booksellers and publishers, New Delhi.
- Garett Henry E. (1961) Statistics in Psychology and Education, Bombay, Applied pacific Ltd.
- Kochhar, S.K. (1992) Methods and Techniques of teaching, sterling publishers Pvt. Ltd. New Delhi.
- Kochhar, S.K. (1976) The Teaching of History, Starting Publishers Pvt. Ltd. New Delhi.







**INFORASE** 





## DR. SANJAY B. KHADSE

Shri Shivaji College of Education, Amravati



2ND INTERNATIONAL CONFERENCE
ON EDUCATION, PHYSICAL EDUCATION & SPORTS SCIENCE
Kuala Lumpur Malaysia July 29:31–2017

LIFE SKILL DEVELOPMENT THROUGH SCHOOL CURRICULUM

ABSTRACT
Morality education is not a new idea but has been in existence parallel with education. The history of education in all countries in the world proves that education has two significant objectives, help the younger generation become moralleligent and makes them better. Educating a citizen intellectually but not morally will be a threat to the society. So, educating lip skills is not less important than theoretical teachings. The process of developing social character, morality and sentiment of the pupils is as important as the formation and development of knowledge.

#### DEFINITION OF LIFE SKILLS:

The four pillars of learning, -learning to know, learning to do, learning to be and learning to live to-gether and defines life skills as personal management and soxial skills which are necessary for adequate functioning on an independent basis. TUNICHEF-2001)

DEFINING HEF-8UILS.

Life skills are abilities for adaptive and positive behavior, that enable individuals to deal effectively with the demands and challenges of everyday life. Described in this way, skills that can be said to be life skills are innumerable, and the nature and definition of life skills are likely to differ across cultures and settings. However, analysis of the life skills field suggests that there is a core set of skills that are at the heart of skills-based initiatives for the promotion of the health and well-being of children and adolescents. These are listed here:

Desistentials

Problem solving

Creative thinking

Creative thinking

Critical thinking

Effective communities

interpersonal relation

Self-awareness

Self-awareness

LIFE SKILLS GENERALLY FALL UNDER THREE CATEGORIES:

CATEGORIES: (learning to live together). The practical sk
R. D. Special Issue 2<sup>nd</sup> International Conference on Education, Physical Education, and Sports Science

- Social and interpersonal skills (including communication, refusal skills, assertiveness, and empathy)
- cognitive skills (including decision making, critical thinking and self-evaluation)
- emotional coping skills (including stress management and increasing an internal locus of control).

#### OBJECTIVES OF RESEARCH PAPER :-

- . To Discuss Concept of Life Skills.
- To Explain the Importance of life Skill at School Level
- To Suggest the Action Programme to develop the Students Life Skills.
   KEY TERMS USED:

Life Skills, Action Programme to develop a Life Skills.

RESEARCH METHODOLOGY:

The present Research paper is base on secondary data. While preparing the research paper various references, Journals and books have been use. The detailed list is given at the end of the paper.

### MAIN COMPONENTS OF LIFE SKILLS:

The skills referred to in the skills-based approach to health education include both the practical skills associated with specific health behaviours and life skills. A suggested framework for skills-based programmes could therefore aim at developing competencies in the four following areas: knowledge and critical thinking skills (learning to know), practical skills (learning to do), personal skills (learning to be) and social skills (learning to live together). The practical skills are

NAAC NAAC

Principal College

Assistant in Shri Shivali College of Education.
Amravati.

the manual skills under learning to do, and the psycho-social life skills are the skills under learning to know, to be and to live together. A life skills approach to education is one that teaches an essential combination of skills needed in a particular and specific context, both practical and life skills.

#### DECISION MAKING:

Decision making helps us to deal constructively with decisions about our lives. This can have consequences for health if young people actively make decisions about their actions in relation to health by assessing the different options, and what effects different decisions may have

## PROBLEM SOLVING:

problem solving enables us to deal constructively with problems in our lives. Significant problems that are left unresolved can cause mental stress and give

rise to accompanying physical strain.

CREATIVE THINKING:

Creative thinking contributes to both decision making and problem solving by enabling us to explore the available alternatives and various consequences of our actions or non-action. It helps us to look beyond our direct experience, and even if no problem is identified, or no decision is to be made, creative thinking can help us to respond adaptively and with flexibility to the situations of our daily lives.

#### CRITICAL THINKING:

Critical thinking is an ability to analyze information and experiences in an objective manner. Critical thinking can contribute to health by helping us to recognize and assess the factors that influence attitudes and behavior, such as values, peer pressure, and the media.

## EFFECTIVE COMMUNICATION:-

Effective communication means that we are able to express ourselves, both verbally and non-verbally, in ways that are appropriate to our cultures and situations. This means being able to express opinions and desires, but also needs and fears. And it may mean being able to ask for advice and help in a time of need.

#### INTERPERSONAL RELATIONSHIP SKILLS:-

Interpersonal relationship skills help us to relate in positive ways with the people we interact with. This may mean being able to make and keep friendly relationships, which can be of great importance to our mental and social well-being, it may mean keeping good relations with family members, which are an important source of social support. It may also mean being able to end relationships constructively.

## SELF-AWARENESS:-

Self-awareness includes our recognition of ourselves, of our character, of our strengths and weaknesses, desires and dislikes. Developing selfawareness can help us to recognize when we are stressed or feel under pressure. It is also often a prerequisite for effective communication and interpersonal relations, as well as for developing empathy for others.

#### EMPATHY:

Empathy is the ability to imagine what life is like for another person, even in asituation that we may not be familiar with. Empathy can help us to understand and accept others who may be very different from ourselves, which can improve social interactions, for example, in situations of ethnic or cultural diversity. Empathy can also help to encourage nutruring behaviour towards people in need of care and assistance, or tolerance, as is the case with AIDS sufferers, or people with mental disorders, who may be stigmatized and ostracized by the very people they depend upon for support. COPING WITH EMOTIONS.

Coping with emotions involves recognizing emotions in ourselves and others, being aware of how emotions influence behavior, and being able to respond to emotions appropriately. Intense emotions, like anger or sorrow can have negative effects on our health if we do not react appropriately.

#### COPING WITH STRESS:

Coping with stress is about recognizing the sources of stress in our lives, recognizing how this affects us, and acting in ways that help to control our levels of stress. This may mean that we take action to reduce the sources of stress, for example, by making changes to our physical environment or lifestyle. Or it may mean learning how to relax, so that tensions created by unavoidable stress do not give rise to health problems. The life skills described above are dealt with here in so far as they can be taught to young people as abilities that they can acquire through learning and practice. For example, problem solving, as a skill, can be described as a series of steps to go through, such as: 1) define the problem; 2) think of all the different kinds of solutions to the problem; 3) weigh up the advantages and disadvantages of each; 4) chose the most appropriate solution and plan how to realise it. Examples of lessons designed to facilitate life skills acquisition are included in the appendix to this document.

members, which are an important source of social support. It may also mean being able to end relationships constructively.

R. D. Special Issue 2<sup>nd</sup> International Conference on Education, Physical Education, and Sports Science 81

communication, but not for girls in some societies, so gender issues will arise in identifying the nature of life skills for psychosocial competence. The exact content of life skills education must therefore be determined at the country level, or in a more local context. However, described in general terms, life skills are being taught in such a wide variety of countries that they appear to have relevance across cultures.

ACTION PROGRAMME TO DEVELOP THE LIFE SKILLS AT SCHOOL LEVEL:-

In life skills education, children are actively involved in a dynamic teaching and learning process. The methods used to facilitate this active involvement include working in small groups and pairs, brainstorming, role play, games and debates.

A life skills lesson may start with a teacher exploring with the students what their ideas or knowledge is about a particular situation in which a life skill can be used.

The children may be asked to discuss the issues raised in more detail in small groups or with a partner. They may then engage in short role play scenarios, or take part in activities that allow them to practice the skills in different situations - actual practice of skills is a vital component of life skills education. Finally, the teacher will assign homework to encourage the children to further discuss and practice the skills with their families and friends.



The school is an appropriate place for the introduction of life skills education because of:

- 1. The role of schools in the socialization of young people. 2. Access to children and adolescents on a
- large scale. 3. Economic efficiencies (uses existing
- infrastructure). 4. Experienced teachers already in place.
- 5. High credibility with parents
- community members.
- 6. Possibilities for short and long term

evaluation.

CONCLUSION: This involves the modeling of life skills using methods such as video films, puppet shows and cartoons (in magazines, newspapers and on television). Such initiatives can be coupled with support materials to introduce discussion about the scenarios presented. The súpport materials can be developed for implementation by peer or other educators in settings such as youth clubs. Short courses oflife skills training can be carried out with children and adolescents who participate in sports and recreational clubs. Life skills training workshops can also be integrated into existing courses offering training in livelihood or vocational skills. There is a need for life skills interventions to reach vulnerable children such as street children, sexually exploited and working children, and orphans. Little is known about life skills interventions with vulnerable young people, although there are many indications that life skills play an important role in determining which children cope in difficult circumstances.

REFERENCES: 1. Aher ,Dr Hira (1995),Emerging Indian Society in Teacher & Education; "Vidhya prakashan",

Nagpur. 2. Botvin, GJ. Eng, A. and Wiliams, C.L. (1980). Preventing the onset of Cigarette smoking through Life Skills.

> Professor Shirt Shitt of College of Education.

R. D. Special Issue 2nd International Conference on Education, Physical Education, and Sports Science



**UGC** Approved

# समद्ध जैवविविधतेचे संवर्धन काळाची गरज

प्रा. डॉ. संजय भीमराव खडसे महयोगी प्राध्यापक

्श्री, शिवाजी शिक्षण महाविद्यालय, अमरावती

प्रस्तावना :

जैवविविधना है एक नैसर्गिक संसाधन मानले जाते. मानवाला दिलेल्या विविध रेणायांपैकी ती एक देणगी असून मानवी जीवन युखकर करण्यासाठी महत्त्वाचा घटक आहे. परंतु सध्याच्या काळात जैवविविधतेचा प्रश्न गंभीर वनलेला आहे. वाढती रहोकसंख्या नैसर्गिक साधन संपदेचा अमर्याद वापर वक्षतोड, भूमीच्या वापरात होत जाणारे बदल यामळे यजीवांच्या अनेक प्रजाती नग्ट झाल्या आहेत व यन्याच नष्ट होण्याच्या मार्गावर आहेत. उणा तापमान पटटत्रतील वनामध्ये पृथ्वीवरील सजीवांच्या ५०: जास्त प्रजाती आढळतात परंतृ मानवान्या हस्तक्षेपामुळे अनेक प्रजातींचे अस्तित्व धोक्यात आले आहे. मानवाच्या हस्तक्षेपामुळे सजीवांच्या प्रजानी नष्ट होण्याचा दर नैसर्गिक्सीत्या नष्ट होण्याच्या दराच्या समारे १००० पटीने जास्त आहे असे शास्त्रज म्हणतात. हा संहार केबळ उष्ण पट्टनतील बनामध्ये चाल् आहे. म्हणन उष्ण पटटगतील बनांचे संरक्षण करणे गरजेचे मानले जात

जैवविविधना टिकविण्यामाठी गरज आहे जंगल संवर्धनाची, जंगल हे वन्य जीवांचे व जीवाणंची वसतीस्थाने म्हणुन वन्यजीवांचे व वनांचे रक्षण करणे आवश्यक आहे. पर्यावरणाचा समतोल राखण्यासाठी वन व वन्यजीव वाढविणे. जैवविविधतेची जपणक करण तसेच तिचे संवर्धन करण ही काळाची परी आहे. जैव विविधता पर्यावरणाचा आत्मा अस्ति वास्परिवनिष्यु मानवाला अनेक रूपान लाभदायक आहेलप्रथरी. वा वन्यजीव एकाच नाण्याच्या दोन बार्जू झ्लाहतुत्रबंद भागी काळापासून वनस्पती आणि प्राण्याच Personal Interdisciplinary Multilinguial Refered Journal Impact Factor 5.131 (IUIF)

त्यामुळच संतृलीत पर्यावरणासाठी जैवविविधनेच यंग्क्षण करणे आवश्यक आहे. वनस्पती, प्राणी व जीव जीवाणूच्या विविध जाती व प्रजातीच्या पढील पिदनमाठी संवर्धन आणि संस्थाण करणे. ही काळाची गरज व मानवाची आनुपंगिक जबाबदारी आहे. अन्यशा शंक्याचा लाल दिवा लक-लुकायला लागला आहे, गरज आहे ती मानवाने सावध होऊन सावरण्याची अन्यथा नियम शमा करणे अशक्यच आहे.

## जैवविविधतेचे प्रकार : (Types of Biodoversity) अ) अनुवंशिय विविधता (Genetic Diversity)

प्राणी आणि वनस्पतीच्या द्रष्टीन फार महत्त्वाचा सुक्ष्म घटक म्हणज जेनुक किंवा जीन (Gene) एकाच प्रजातीच्या प्राणी किंवा वनस्पतीत या जनकांची विविभता म्हणजेच अनुवंशीय विविभता किया गणमुगीय विविधना किंवा जन्क विविधना

## ब) प्रजातीची विविधता (Species Diversity)

एका जातीच्या समृहामध्ये एकाच प्रकारन्या जनक (जीन) आढळतो. त्यामळे एकाच जातीच्या प्राण्यामध्ये साम्य दिसन येते. यऱ्याच वळा अणा प्राण्यांच्या अधिवासही एकच असतो. परंत अशा अधिवासात पोपक द्रव्यांची उपलब्धता वादल्यास अनेक मजीव त्यादिकाणी गोळा होनान त्यान इतर अधिवासातृन आलेले सजीवही असतात. एकाच अधिवासात विविध प्रकारचे व विविध जातींचे सर्जीव वेगवेगळ्या संख्येने राहतात त्यालान प्रजानीय विविधता असे म्हणतात.

## क) परिसंस्था विविधता (ECD system Diversity)

मजीव गटक व पर्यावरणातील घटक यांच्यातील क्रमबद्ध आंतर्रक्रयांचे वैशिष्टरपर्ण सघटन म्हणजेच परिसंस्था होय. प्रत्येक परिसंस्थेतील पर्यावरण. अधिवास त्यातील सजीव प्रजातींन प्रकार दर्गावक अस्तात परिसंस्था बदलावगेवरन हे सर्व घटकही बटळतात याळाच परिसंस्था विविधता असे म्हणतान

जैवविविधते चे महत्त्व : (Importance of Biodiversity)

निसर्गात किंवा पर्यावरणात आव्याम Mivall College of

MAH MUL/03051/2012 UGC Approved Sr.No.62759

र्णेक्या करत आला आहे. अनेक प्रजाती मानवाला त्याची माहिती होण्याअगोटरच लुप्त ज्ञाल्या आहेत मध्याच्या पर्शिस्थतीत जीवनात उपयोगी असणाऱ्या <sub>अनंत</sub>ः वस्तृ प्राणी जगतावर अवल्ठेबन आहेत जैबीक व्यवधानन मानवासाठी खाद्यपदार्थ, औपधे, सौंदर्यात्मक व मांग्कृतिक द्राप्टनं महत्त्वपूर्ण आहेत. त्याचवरावर र्णाग्यस्थेच्या द्राप्टने देखील महत्त्वपूर्ण आहेत ज्ञांबायरताच्या निकोपनेसाठी आणि समदेसाठी जीवविविविभागवाी गरज आहे.

## उपभोग्यतेच्या द्रष्टीने जैवविविधतेचे महत्त्व • (Consumptive importance of Biodiversity)

जैवविविधतमुळे 'जीन 'चा अभ्यास सहज शक्य ड्याल्यामुळे पिकांचे गुणधर्म बदलणे शक्य ड्याले आहे ा। माध्यमानन कोड नियंत्रण करणारे जीन पिकान मक्तिन केल्याने नयार झाली आहेत. गांडळासारखा प्राणी शेतजमीन भूसभूसीत करती म्हणून त्याला शतकन्यांचा मित्र म्हणतात.

## २ उत्पादकता दृष्टीने जैवविविधतेचे महत्त्व : (Productive importance of Biodiversity)

मानवासाठी आवश्यक असलेले अन्न यजीवापासन प्राप्त होते. विविध प्रकारच्या वनस्पतींचा वापर मानव अन्न म्हणून करतो. प्राण्यांचे मास, दथ, अडो यांचा मानवाच्या आहारात समावेश आहे. कापड उत्पादनासाठी कापुस बनस्पतीपासन मिळतो: रेशमाचे उत्पादन रेशमान्या किङ्गपासून होते. मधमाशांच्या पाठ्यापासून प्राप्त होते. प्राप्यांच्या कातडीचा वापर अनेक वस्त्र तयार करण्यासाठी होता

## 3 सामाजिक द्रष्टीने जैवविविधतेचे महत्त्व : (Social importance of Biodiversity)

भारतीय संस्कृतीमध्ये काही वनस्पतींना व वक्षांना फार महत्त्वाचे स्थान आहे. दुर्वा आणि लाल आम्बंदीच्या फुलांचा उपयोग गणेशोत्सवात केला जातो वड, गिंपळ, नृत्यय यांची पूजा केली जाने. बेल, रूई यांना फले व पानेही पुजेसाठी वापरली जातात. आंख्याच्या पानाचे तीरण दरवाज्यांना बांधले जाते. वनस्पती प्रमाणेच काही प्राणीसुद्धा भारतीय संस्कृतीत गुजनीय आहेत. पोळ्याला बैलाची पूजा केली जाते. दिपाबळोत गाईची तर कासवाला वैभवाचे प्रतीक मानले

## ४. व्यापारी द्रष्टीने जैवविविधतेचे महत्त्व (Commercial importance of Biodiversity)

जैवविविधतेचे व्यापारी द्रष्टीकोनातृ महत्त्व आहे. हस्तीरंत, मध, मेण, डिंक, कात, वेत, खर, पट्टे इत्यादी उत्पादने लघु उद्योगाकाठी कच्चा माल म्हणून वापरली जातात. भारतातील जंगले ही आंपधी वनस्पतींची माहेर घर आहेत. व्यापारी द्रप्टीने हिरडा. येहडा, कोरफड वनस्पती महत्त्वाच्या आहेत

## ५. पर्यावरण समातोल द्रष्टीने जैवविविधतेचे महत्त्व : (EnvironmentBalance importance of Biodiversity)

पशपक्षांच्या जैवविविधतेमुळे परिसंस्था समृद्ध असल्यास पर्यावरणाचा समातील गखला जाती. पशुपश्रांमुळे बीज प्रसार होऊन वनस्पतीची वाढ होते. ६. हवेचे नैसर्गिक शुद्धीकरण द्रष्टीने जैवविविधतेचे महत्त्व : (Natural Air Purification importance of Biodiversity)

वनस्पती ह्या उत्पादक आहेत. स्वतःचे अन्न स्वतः तयार करतात. ह्या वनस्पती वऱ्याच प्राण्यांचे अत्र असतात. कार्यन चक्र नायद्रोजन चक्रामध्ये वनम्पती महत्त्वाची भूमिका बजावतात. हवेचे नैसर्गिक शुद्धीकरण करण्याची महत्त्वाची भूमिका वनस्पती करतात. वस्पतीमुळे तापमान निर्मात्रत होते. ध्वनी प्रदूषणाची तीव्रता कमी करतात, कार्बन डायऑक्साईड नियंत्रणात ठेवन हवेचे नैसर्गिक शद्धीकरण वनस्पती करतात

जैविक विविधतेवरील संकटे अधिवासाचा ऱ्हास. वन्य जीवांची शिकार, मानव व वन्य जीवन संघर्ष Whreats to Biodiversity: Habitat loss, Poaching of Wildlife: man wildlife conflicts)

## १. जैविक विविधतेवरील संकटाची कारणे

- १. अधिवासाचा विनाश
- (Habitat Destruction or loss)
- २. बेकायदा वन्य जीवांची शिकार
- (Poaching of wildlife loss)
- 3. जंगलतोड (Deforestration)
- ४ वादती लोकमंख्या
- (Population Growth)

अवद्यावात्।: Interdisciplinary Multilingual Refereed Journal ImpactFactor 5.131 (IIJIF

५. वाढते औद्योगिकरण

## (Growing Industrialisation)

६ नहा। धरणाचे काम

## (River-Dam Projects)

- ः खाणकाम (mining)
- ८. कीटकनाशंक व गंगनाशंक
- (Insecticide and Pesticides) ९. अणुचाचण्या स्फोट

## (Atomic Exploision)

- १०. लम्करी नळ (Military Camps)
- ११. स्थलांतरीत शेती

## (Shifting Agriculture)

## २. भारतातील वनस्पती व प्राण्यांच्या संकटग्रस्त प्रजाती : (Endangered Hora and Fanna of India) भारतामध्ये हवामान आणि प्राकृतिक रचनेतील

विविधनेमुळे जवळपास ८१,००० जीवजंतुच्या आणि ८५,००० वनस्पनींन्या प्रजाती आढळून येतात. यापैकी १५०० प्रजानां अन्यंन संकटग्रस्त अवस्थेत आहेत. भारताचे शेवफळ जगातील शेवफळाच्या २ ४% इतके आहे. येथे जगानील एकण जीवजनुन्या ६५% जीवजंतू निवास करतात, जागतिक वन क्षेत्रफळापैकी भारतात फक्त २% वनक्षेत्र आहेत. भाग्यात जागतिक पश्पैकी १८% पण्, ६०% वाघ, ७०% आशियन हत्ती व इतकेच भारतीय गेंडे आढळून येतात. भारतात माशांच्या (मार्ग) २५४६ प्रजाती, १२२८ पशांच्या, ४००० कीटकांच्या ४२८ सम्पटणाऱ्या जीवांच्या. ३७२ सस्तन प्राण्यांच्या २०४ उभयचर प्राण्यांच्या प्रजाती आढळन वेनात, यापैकी सम्तन प्राण्यांच्या ८३ पशांच्या ११३. मग्गटणाऱ्या जीवांच्या २१, उभयचर प्राण्यांच्या ०३, प्रजाती व अनेक कीटकांच्या प्रजाती लुप्त झाल्यासासख्या

## भारतातील नष्ट होते चाललेल्या जीवजंतची

|             |                        | संख्या        |                             | संरक्षण करण ही काळाची गरज आहे. त्यालाच 'जीन  |
|-------------|------------------------|---------------|-----------------------------|--|
| अ क्र       | प्रजाती                | नग्ट झालेल्या | नष्ट होण्याचा धोका असलेल्या |  |
| >           | det danal              | 3.5.6         | 89009                       | ्रवंक' किंवा 'जनुक बँक' असे म्हणतात. अस्टिकडे  |
| 4.          | मारंग                  | + 3           | 5 < 3                       | नैसर्गिक जनन प्रक्रियंका डावलून क्लोनिंग पदानीन  |
|             | क्षताम                 | 0.5           | To at                       | नसामक जनन प्राक्रवला डावलून क्लानिंग पद्याग  |
| 16          | अभिन्याम् -            | - 2           | 200                         | सजीव प्रयोगशाळेत तयार केले जातात. त्यामध्येहा  |
| N           | पालीया परणा नगरेकं जीव | 86            | 2 3 to 14                   | The state of the s |
| 1, 11       | पश्च                   | > 3 3         | 2030                        | जनुकाचा संबंध येतो. त्याला जनुक संबर्धन अस   |
| 4           | सम्ब अव                | 43            | 4%0                         | The state of the s |
| DESCRIPTION | एकण                    | 058           | 22430                       | म्हणतात्.  |

जैविक विविधतेचे संवर्धन (Conservation of Biodiversity)

भारतामध्ये प्राचीन काळापासुन विपुल आणि समृद्ध जैवविविधता आढळून येते. विविध वनस्पती व प्राण्यांच्या जातीमुळे विविध भागात विविधता आढळन येते उत्तरेकडील उंच हिमालय, ईशान्य भागातील घनदाट जंगले देशाच्या पर्व पश्चिमेला पसम्लेखा पर्व व पश्चिम घाट गंगेचे मैदान, राजस्थानातील वाळवंट. खारफुटी जंगले. विस्तृत पठारी भाग, अनी घनवाट जगल असलेले अंद्रमान निकीयार येटे. उणाकटिबंधातील सदाहरीत व निमसदाहरित जगले. हिमालयातील स्विपणीविशाची अलाईन फॉर्स्स, त्मर व कोरडी पानगळ जंगले. काटेरी वन, खारफुटी जगले. अशा विविध जंगलामध्ये यजीवांची विविधता आढळन येते. जगातील अती संवेदनशील २४ भभागांपैकी पश्चिम घाट हा भुभाग भारतातच आहे. भारतात आढळणाऱ्या वनस्पती व जंगल संवर्धन व संरक्षणायाटी स.न.१९८० मध्ये जंगल संरक्षण नर इ.स. १९७२ मध्यं चन्य प्राण्यांन्या संरक्षणासाठी वन्यजीव संरक्षण कायरे पाय करण्यात आले आज भारतात विविध प्रकारच्या वनस्पती व प्राण्यांच्या संग्राण व संबन्ध नियाठी २३ व्याच्रप्रकल्प, ९२ राष्ट्रीय उद्याने ४९० अभयारण्ये आणि १५ गखीव जंगले तयार करण्यात आली आहेत आज भारतात या सर्व प्रकल्यासाटा एक लाख ४४ हजार हेक्टर जमीन वनाच्छादीत आहेत. त्यात वन्यजीवांना अभय मिळते आणि त्यांची संख्या वादने आहे.

जैव यंवर्धनासाठी संकरीत पद्धतीने नवीन जाती तयार केल्या जातात, परंत त्यासाठी लोकल जंगली जातीचा खप उपयोग होता. त्या जातीतील जनक हा सर्वात महत्त्वाचा अनुवंशिक भाग म्हणून जंगली प्राणी व वनस्पतींचे जनक जपण्यासाठी अणा मजावांचां संरक्षण करणे ही काळाची गरज आहे. त्यालाच 'जान वॅक' किंवा 'जनक बॅक' असे म्हणतात अस्टिकडे नैसर्गिक जनन प्रक्रियंला डावलून क्लोनिंग गढतान सजीव प्रयोगशाळेत तयार केले जातात. त्यामध्येहा जनकाचा संबंध येता. त्याला जनक संबर्धन अस म्हणतात

## esearch Demagogue









## DR.MEENA K. ROKADE

Shri Shiyaji College of Education Amravati. (M.S.)



2ND INTERNATIONAL CONFERENCE

ON EDUCATION, PHYSICAL EDUCATION & SPORTS SCIENCE July 29-31-2017 Kuala Lumpur Malaysia

A STUDY OF EMOTIONAL INTELLIGENCE ON THE PERSONAL VALUES OF B.ED. TRAINEES

ARSTRACT Education and values are interdependent and inseperable. The Cherished values

serve to become light and provide direction to the educative process. The most important responsibility of an educator is the inculcation of higher values in the minds of the students . To provide effective value of education, the teacher should have great and unshakable faiths in the values which he proposed to transmit and he should incorporate those values in his very personality . The general purpose of the study was to measure the influence of emotional intelligence on the personal values of B.Ed., trainees. The sample of 200 B.Ed., trainees was drawn from the four education colleges in Amravati District of Maharashtra state by applying random sampling method . Standardized personal value Questionnaire by Dr. Jaya and Dr. Yadav, Emotional intelligence scale developed by Anukool and Upindar Dhar was used as a tool for data collection. Mean, S.D. and 't' test were used to analyze the data. The study inferred that, the emotional intelligence and personal values are not associated with each other on all the personal values among the B.Ed. trainees. Keywords: Values, Emotional Intelligence, Personal values

INTRODUCTION:-Education modifies the social and moral characters of students. In one sense teachers inevitably social and moral educators. Whatever institution restraints exist within a school, teachers are faced with taking positions on a variety of social and emotional issues and are therefore developing values that are informed by these challenges. More generally a teachers selection of subject content and his choice of strategies and structures to impart that content are values- laden. Real education reflects teacher values and sends significant messages about the teachers values to students.

Personal values provide an internal reference for what is good, beneficial, important, useful, beautiful, desirable, constructive etc. values generate behavior and help solve common human problems for survival by comparative ranking of value; the results of which provide answers to questions of why people do, why they do and in what order they choose to do them. Over time the public expression of personal values, that groups of people find important in their day-to-day lives, laid the foundations of law, custom

and tradition. Personal values in this way exist in relation to cultural values, either in agreement with or divergent from prevailing norms.

The major purpose of education is to shape the personality of the child in such a way that the individual becomes a better learner, a better person, a better worker, not only in terms of knowledge, understanding and skills but in terms of values and motives which give meaning and significance to one's behaviour. The system of values can be treated from the sources of understanding Viz, cultural, scientific, religious background and life experience.

- OBJECTIVES OF THE STUDY:-
- 1) To study the influence of emotional intelligence on the personal values of B.Ed. trainees.
- 2) To study the influence of locality on the personal values of B.Ed. trainees. HYPOTHESES:-
- 1) There would be no significant influence of emotional intelligence of B.Ed. trainees on their level of personal values.
- 2) Rural and urban B.Ed. trainees would not differ in their level of personal values. METHODOLOGY

R. D. Special Issue 2<sup>™</sup> International Conference on Education, Physical Education, and Sports Science



Shri Shivaji Callege of Education **Amravati** 

Scanned with CamScanner

## SAMPLE :-

A sample of 200 B.Ed. trainees was drawn by applying simple random sampling method from four education colleges in Amravati District of Maharashtra state.

#### TOOLS:

- Emotional intelligence scale developed and standardized by Anukool and Upindhar Dhar (2002) was adopted.
- Personal values questionnaire was developed and standardized by Dr. Jaya and Dr.
   Property of the prop

## Yadav (2008) was adopted.

#### PROCEDURE:

Emotional intelligence scale and personal values questionnaire was administered to 200 B.Ed. trainees and the responses made by them were scored, tabulated and analyzed using appropriate statistical techniques.

#### STATISTICAL TECHNIQUES:

Both descriptive and inferential statistics were employed for analysis of the data. The descriptive statistics such as Mean and S.D. were used.

Inferential statistics such as t- test was employed "t" value was calculated to know significant difference between the variables.

#### ANALYSIS OF DATA:-

Table 1: Means and SDS of personal value scores of the B.Ed., trainees classified on their emotional

| intem          |       |               |                 |          |          |                |       | Sig              |
|----------------|-------|---------------|-----------------|----------|----------|----------------|-------|------------------|
| Person<br>al   |       | 1 E.I.<br>43) | Mod<br>E<br>(N= | 1        |          | v E.I.<br>:39) | Value | ni-<br>fica      |
| values         | Mean  | S.D.          | Mea             | S.D.     | Mea<br>n | S.D.           |       | leve<br>I<br>0.9 |
| Econo<br>mic   | 18.15 | 4.20          | 17.8            | 3.2<br>9 | 20.0     | 2.29           | 0.641 | N.S              |
| Power          | 16.70 | 2.07          | 15.7            | 2.3      | 17.7     | 3.12           | 1.573 | N.S              |
| Health         | 19.09 | 1.46          | 19.3            | 2.1      | 21.0     | 1.63           | 0.699 | N.S              |
| Social         | 24.48 | 3.28          | 24.8            | 2.8<br>B | 25.0     | 2.73           | 0.579 | N.S              |
| Domes          | 23.72 | 2.22          | 22.8            | 2.4      | 23.2     | 1.08           | 0.914 | N.S              |
| Hedoni<br>stlc | 19.72 | 1.31          | 18.6            | 2.2      | 21.0     | 2.11           | 1.912 | N.S              |
| Religio<br>us  | 17.63 | 2.34          | 18.5            | 2.6      | 18.3     | 1.82           | 0.956 | N.S              |
| Knowl          | 24.81 | 2.82          | 24,2            | 2.9      | 25.0     | 2.72           | 0,364 | N.S              |
| Moral          | 23.32 | 2.43          | 23.0            | 2.6      | 23.0     | 2.51           | 0.180 | N.S              |

The above table shows that at 198 df, 0.05 level of significance none of the 't' values for the mean personal value scores were significant.

Therefore, it is inferred that, the level of emotional intelligence of the B.Ed. trainees would not show any significant influence on their personal values in any direction.

Hence it is concluded that, emotional intelligence and personal values are not associated with each other on all the personal values among the B.Ed. traineess

Table 2: Means and SDS of personal value score
of the R Ed. trainees classified on their locality.

| Personal<br>value | Ru    | Rural<br>(N=122) |       | oan<br>78) | t-<br>value | Significanc<br>level 0.05 |
|-------------------|-------|------------------|-------|------------|-------------|---------------------------|
|                   | Mean  | S.D.             | Mean  | S.D.       |             |                           |
| Economic          | 18.17 | 3.32             | 18.11 | 3.22       | 0.121       | N.S                       |
| Power             | 15.88 | 2.47             | 15.52 | 2.61       | 0.525       | N.S                       |
| Health            | 19.42 | 1.64             | 19.58 | 2.26       | 0.422       | N.S                       |
| Social            | 24.76 | 2.86             | 24.63 | 3.02       | 0.367       | N.S                       |
| Domestic          | 23.11 | 2.05             | 22.71 | 2.42       | 0.698       | N.S                       |
| Hedonistic        | 19.18 | 2.37             | 19.08 | 1.67       | 0.463       | N.S                       |
| Religious         | 17.82 | 2.43             | 18.80 | 2.62       | 1.662       | N.S                       |
| Knowledge         | 24.10 | 2.84             | 24.72 | 2.96       | 1.121       | N.S.                      |
| Moral             | 23.20 | 2.48             | 22.64 | 2.55       | 1.076       | N.S                       |

The above table shows that, at 198 df 0.05 level of significance the calculated 't' value is less than the table value 1.97.

Therefore it is inferred that, rural and urban trainees do not differ significantly in their level of personal values. Hence it is concluded that, locality and personal values are not associated with each other on all the personal values among the B.Ed. trainees.

#### CONCLUSION :-

In view of the present scenario in the country, there is an urgent need to inculcate values among our students studying at different stages of education, which leads full development of student's personality in its physical, mental, emotional and spiritual aspects, a democratic way of thinking and living. In Indian thought the teachers are the source of inspiration and also a model for the development of moral, personal & human values - not only among their pupils, but also in the society. The teachers task is not merely to impart knowledge, they have also to mould the characters of their pupils and through them the character of entire Character building includes development of moral as well as personal values. Teachers should give a universal outlook. They should strive hard to preserve the basic values of our cultural heritage without losing the momentum, which science and technology give to human progress.

#### REFERENCES :-

- Bhandari, R.S. (2010), value education, Abhisekh Publications, Chandigarh.
- Gupta, N.L (2000), Human values in Education, concept publishing. Company, New Delhi.
- Kaul Lokesh (2005), Methodology of Educational Research, New Delhi. Vikas Publishing House Pvt.Ltd.

## R. D. Special Issue 2nd International Conference on Education, Physical Education, and Sports Science

- Shaftel, F.R. (1967) Role playing for social values, Englewood cliffs: prentice Hall
- Sasikala kugamoorthy (2011) Role of teacher Educators in the emerging field of Teacher Education
- Yasoda, R. and Talawar, M.S. (2013) value Education, APH publishing corporation. New Delhi.



R. D. Special Issue 2nd Intern

aical Education, and Sports Science