

CHAPTER - IV

ANALYSIS AND INTERPRETATION OF DATA

ANALYSIS BASED ON PERSONALITY FACTORS

In the previous three chapter, the theoretical background for the research problem on hand has been discussed. On this theoretical background, the researcher has analysed the data for present work.

In keeping with the requirements of the stated objectives of this study the data collected with the help of the cattell's sixteen Personality Factor Questionnaire (16 P.F.Q.) was classified, tabulated and ready for analysis. The nature of the collected data was as follows :

The scores on each of sixteen personality factors of male and female teacher-educators from the four year and one year B.Ed. College affiliated to Shivaji University, Kolhapur trained at the M.Ed. level with Educational Technology as an optional group and with a group other than Educational Technology during the year 1993-94.

#### **Analysis Based On Personality Factors :**

Analysis based on personality factors where - in the Educational Technology trained teacher-educators and teacher educators trained with other than Educational Technology as an optional subject of the four year and one year B.Ed. Colleges under study have been compared on the basis of their personality factors.

#### **TABLE NO. 6**

Scores of Educational Technology trained teacher - educators and teacher educators trained with other than Educational Technology as an optional subject, on factor A (Reserved-out going).

Sr. No.	Score	Educational Technology trained Teacher educators		Teacher Educator's trained with other than E.T.	
		Male	Female	Male	Female
1.	Total sten Score	21	21	22	24
2.	Mean Score	2.10	2.10	2.20	2.40

Observation : In table No. 6 the total sten score and mean scores on personality factor A. 'Reserved-out going' of Educational Technology trained teacher-educators and teacher educators trained with other than Educational Technology as an optional subject.

In the case of Educational Technology trained male teacher-educators the total sten score is 21, where as the mean score is 2.10.

Educational Technology trained female teacher educators have a total sten score is 21 and the mean score is 2.10.

Male teacher educators trained with other than Educational Technology as an optional subject the sten score is 22 and mean score is 2.20.

Female teacher-educators trained with other than Educational Technology as an optional subject the sten score is 24 and mean score is 2.40.

#### Interpretation and Conclusion :

The range of mean scores in the case of Educational Technology trained male and female teacher-educators and male and female teacher-educators trained with other than

Educational Technology as an optional falls between 2.10 to 2.40 which indicates that on factor 'A' all the teacher educators have low sten scores which means they all fall in the category of 'being Reserved'.

TABLE NO. 7

Scores of Educational Technology trained teacher educators and teacher educators trained with other than Educational Technology as an optional subject of on factor 'B' (less intelligent-more intelligent).

Sr. No.	Score	E.T.Trained teacher educators		Teacher Educators trained with other than E.T.	
		Male	Female	Male	Female
1.	Total Sten Score	19	25	15	23
2.	Mean Score	1.90	2.50	1.50	2.30

Observation : In table No. 7 the total sten score and mean scores on personality factor B 'Dull - Bright' of Educational Technology trained teacher educators and teacher educators trained with other than Educational Technology as an optional subject.

In the case of Educational Technology trained male teacher-educators the total sten score is 19, where as the mean score is 1.90.

Educational Technology trained female teacher educators have a total sten score is 25 and the mean score is 2.50.

Male teacher educators trained with other than

Educational Technology as an optional subject the sten score is 15 and mean score is 1.50.

Female teacher educators trained with other than Educational Technology as an optional subject the sten score is 23 and mean score is 2.30.

**Interpretation and Conclusion :**

The range of mean scores in the case of Educational Technology trained male and female teacher-educators and male and female teacher educators trained with other than educational technology as an optional falls between 1.50 to 2.50 which indicates that on factor 'B' all the teacher educators have low sten scores which means they all fall in the category of being dull.

TABLE NO. 8

Scores of Educational Technology trained teacher educators and teacher-educators trained with other than Educational Technology as an optional subject on factor 'C' (Affected by feelings-Emotionally stable).

Sr. No.	Score	E.T.Trained teacher educators		Teacher educators trained with other than E.T.	
		Male	Female	Male	Female
1.	Total Sten Score	23	24	20	20
2.	Mean Score	2.30	2.40	2.0	2.00

Observation : In table No. 8 the total sten score and mean scores on personality factor 'C' Affected by feelings Emotionally Stable of Educational Technology trained teacher

educators and teacher educators trained with other than Educational Technology as an optional subject.

In the case of Educational Technology trained male teacher educators the total sten score is 23 , where as the mean score is 2.30.

Educational Technology trained female teacher educators have a total sten score is 24 and the mean score is 2.40.

Male teacher educators trained with other than Educational Technology as an optional subject the sten score is 20 and mean score is 2.0.

Female teacher educators trained with other than Educational Technology as an optional subject the sten score is 20 and mean score is 2.0.

**Interpretation and conclusion :**

The range of mean scores in the case of Educational Technology trained male and female teacher educators and male and female teacher educators trained with other than Educational Technology as an optional fall between 2.0 to 2.4 which indicates that on factor 'C' all the teacher educators have low sten scores which means they all fall in the category of 'being affected by feelings'.

**TABLE NO. 9**

Scores of Educational Technology trained teacher educators and teacher educators trained with other than Educational Technology as an optional subject on factor 'E' Humble - Assertive.

Sr. No.	Score	E.T.trained teacher educators		Teacher educators trained with other than E.T.	
		Male	Female	Male	Female
1.	Total Sten Score	26	21	25	19
2.	Mean Score	2.60	2.10	2.50	1.90

**Observation :** In table No. 9 the total sten score and mean scores on personality factor 'E' - Humble-Assertive of Educational Technology trained teacher educators and teacher educators trained with other than Educational Technology as an optional subject.

In the case of Educational Technology trained male teacher educators the total sten score is 26, where as the mean score is 2.60.

Educational Technology trained female teacher educators have a total sten score is 21 and the mean score is 2.10.

Male teacher educators trained with other than Educational Technology as an optional subject the sten score is 25 and mean score is 2.50.

Female teacher educators trained with other than Educational Technology as an optional subject the sten score is 19 and mean score is 1.90.

**Interpretation and Conclusion :**

The range of mean score in the case of Educational Technology trained male and female teacher educators and male and female teacher educators trained with other than

Educational Technology as an optional falls between 1.90 to 2.60 which indicates that on factor 'E' all the teacher educators have low sten scores which means they all fall in the category of 'being Humble'.

TABLE NO. 10

Scores of Educational Technology trained teacher-educators and teacher-educators trained with other than Educational Technology as an optional subject on factor 'F' (Sobar-Happy-go-Lucky)

Sr. No.	Score	E.T. trained teacher educators		Teacher educators trained other than E.T.	
		Male	Female	Male	Female
1.	Total sten score	19	16	20	19
2.	Mean Score	1.90	1.60	2.0	1.90

Observation : In table No. 10 the total sten score and mean scores on personality factor 'F' sobber-Happy-go-Lucky' of Educational Technology trained teacher-educators and teacher educators trained with other than educational technology as an optional subject.

In the case of Educational Technology trained male teacher-educators the total sten score is 19. where as the mean score is 1.90.

Educational Technology trained female teacher educators have a total sten score is 16 and the mean score is 1.60

Male teacher-educators trained with other than Educational Technology as an optional subject the sten score is 20 and mean score is 2.00



Female teacher-educators trained with other than Educational Technology as an optional subject. The sten score is 19 and mean score is 1.90.

#### Interpretation and Conclusion :

The range of mean score in the case of Educational Technology trained male and female teacher-educators and male and female teacher-educators trained with other than Educational Technology as an optional fall between 1.60 to 2.00 which indicates that on factor 'F' all the teacher - educators have low sten scores which means they all fall in the category of 'being Sober'.

TABLE NO. 11

Scores of Educational Technology trained teacher-educators and teacher-educators trained with other than Educational Technology as an optional subject on factor 'G' (Expedient-conscientious)

Sr. No.	Score	E.T.trained teacher educators		Teacher-educators trained with other than E.T.	
		Male	Female	Male	Female
1.	Total Sten Score	21	22	18	19
2.	Mean Score	2.10	2.20	1.80	1.90

Observation : In table No. 11 the total sten score and mean scores on personality factor 'G' Expedient-Conscientious of Educational Technology trained teacher-educators and teacher educatorstrained with other than Educational technology as an optional subject.

In the case of Educational Technology trained male teacher-educators the total sten score is 21, where as the mean score is 2.10

Educational Technology trained female teacher-educators have a total sten score is 22 and the mean score is 2.20.

Male teacher-educators trained with other than Educational Technology as optional subject the sten score is 18 and mean score is 1.80.

Female teacher-educators trained with other than Educational Technology as an optional subject the sten score is 19 and mean score is 1.90.

#### **Interpretation and Conclusion :**

The range of mean score in the case of Educational Technology trained male and female teacher-educators and male and female teacher-educators trained with other than Educational Technology as an optional, falls between 1.80 to 2.20 which indicates that on factor 'G' all the teacher-educators have low sten scores which means they all fall in the category of 'being Expedient'.

#### **TABLE NO. 12**

Scores of Educational Technology trained teacher - educators and teacher-educators trained with other than Educational Technology as an optional subject on factor 'H' (shy - Venturesome).

Sr. No.	Score	E.T. trained teacher-educators		Teacher educators trained with other than E.T.	
		Male	Female	Male	Female
1.	Total Sten Score	33	28	28	30
2.	Mean Score	3.30	2.80	2.80	3.00

Observation : In table No. 12 the total sten score and mean scores on personality factor 'H' shy-venturesome of Educational Technology trained teacher-educators and teacher-educators trained with other than Educational Technology as an optional subject.

In the case of Educational Technology trained male teacher-educators the total sten score is 33, where as the mean score is 3.30.

Educational Technology trained female teacher-educators have a total sten score is 28 and the mean score is 2.80.

Male teacher-educators trained with other than Educational Technology as an optional subject the sten score is 28 and mean score is 2.80.

Female teacher-educators trained with other than Educational Technology as an optional subject, the sten score is 30 and mean score is 3.00.

#### Interpretation and Conclusion :

The range of mean score in the case of Educational Technology trained female teacher-educators and male and female trained with other than Educational Technology as an optional falls between 2.8 to 3.0 which indicates that an factor 'H' all the teacher-educators have low sten score

which means they all fall in the category of 'being shy'.

Where as Educational Technology trained male teacher educators the mean scores falls above the low range i.e. 1-3 sten score indicating that they are not shy. As the scores does not fall between 8-10 high sten score the teacher are not the venturesome type i.e. they are arrange falling between shy and venturesome.

TABLE NO. 13

Scores of Educational Technology trained teacher educators and teacher-educators trained with other than Educational Technology as an optional subject on factors 'I' (Tough Minded-Tender Minded).

Sr. No.	Score	E.T.trained teacher educators		Teacher educators trained with other than E.T.	
		Male	Female	Male	Female
1.	Total Sten Score	23	22	20	21
2.	Mean Score	2.30	2.20	2.00	2.10

Observation : In table No. 13 the total sten score and mean scores on personality factor 'I' tough-minded-Tender minded of Educational Technology trained teacher educators and teacher-educators trained with other than Educational Technology as an optional subject.

In the case of Educational Technology trained male teacher educators the total sten score is 23 and the mean score is 2.30

Educational Technology trained female teacher educators have a total sten score is 22 and the mean score is 2.20.

Male teacher-educators trained with other than Educational Technology as an optional subject the sten score is 20 and mean score is 2.0.

Female teacher-educators trained with other than Educational Technology as an optional subject the sten score is 20 and mean score is 2.0.

#### Interpretation and Conclusion :

The range of mean score in the case of Educational Technology trained male and female teacher educators and male and female teacher-educators trained with other than Educational Technology as an optional subject falls between 2.00 to 2.30 which indicates that on factor 'I' all the teacher educators in respect have low sten scores which means they all fall in the category of being 'Tough minded'.

TABLE NO. 14

Scores of Educational Technology trained teacher-educators and teacher-educators trained with other than Educational Technology as an optional subject on factors 'L' (Trusting-Suspicious).

Sr. No.	Scores	E.T. trained teacher-educators.		Teacher educators trained with other than E.T.	
		Male	Female	Male	Female
1.	Total Sten Scores	32	32	42	40
2.	Mean Scores	3.20	3.20	4.20	4.00

Observation : In table No. 14 the total sten scores and mean scores on personality factor 'I' Trusting-Suspicious of Educational Technology trained teacher-educators and teacher

educators other than Educational Technology as an optional subject.

In the case of Educational Technology trained male teacher-educators the total sten score is 32 and the mean score is 3.20.

Educational Technology trained female teacher-educators the total sten score is 32 and mean score is 3.20

Male teacher-educators trained with other than Educational Technology as an optional subject the sten score is 42 and the mean score is 4.20

Female teacher-educators trained with other than Educational Technology as an optional subject the sten score is 40 and mean score is 4.0.

#### **Interpretation and Conclusion :**

The mean scores of Educational Technology trained male and female teacher-educators and male and female teacher-educators trained with other than Educational Technology as an optional subject falls above the low range i.e. 1-3 sten scores indicating that they are not Trusting. As the score doesnot fall between 8-10 high sten score the teacher-educators arenot suspicious type.

It can be inferred that they are average falling between Trusting and Suspicious.

#### **TABLE NO. 15**

Scores of Educational Technology trained teacher-educators and teacher-educators trained with other than Educational Technology as an optional subject on factor 'M' (Practical-Imaginative).

Sr. No	Scores	E.T. trained teacher educators		Teacher educators trained with other than E.T.	
		Male	Female	Male	Female
1.	Total Sten Scores	22	20	20	24
2.	Mean Scores	2.20	2.00	2.00	2.40

Observation : In table No. 15 the total sten scores and mean scores on personality factor 'M' 'Practical-Imaginative' of Educational Technology trained teacher educators and teacher educators other than Educational Technology as an optional subject.

In the case of Educational Technology trained male teacher educators the total sten score is 22 and the mean score is 2.2.

Educational Technology trained female teacher-educators the total sten score is 20 and the mean score is 2.0.

Male teacher-educators trained with other than Educational Technology as an optional subject the sten score is 20 and mean score is 2.0.

Female teacher educators trained with other than Educational Technology as an optional Subject the sten score is 24 and mean score is 2.40.

#### **Interpretation and Conclusion :**

The range of mean scores in the case of Educational Technology trained male and female teacher-educators and male and female teacher-educators trained with other than

Educational Technology as an optional subject falls between 2.0 to 2.40 which indicates that on factor M all the teacher educators have low sten scores which means they all fall in the category of 'being practical'.

TABLE NO. 16

Scores of Educational Technology trained teacher-educators and teacher educators trained with other than Educational Technology as an optional subject on factor 'N' (Forthright-Astute).

Sr. No.	Scores	E.T. trained teacher-educators		Teacher educators trained with other than E.T.	
		Male	Female	Male	Female
1.	Total Sten scores	21	24	20	21
2.	Mean Scores	2.10	2.40	2.00	2.10

Observation : In table No. 16 the total sten score and mean scores on personality factor 'N' Forth-right - Astute' of Educational Technology trained teacher-educators and teacher educators trained with other than Educational Technology as an optional subject.

In the case of Educational Technology trained male teacher educators the total sten score is 21 and the mean score is 2.10.

Educational Technology trained female teacher educators have a total sten score is 24 and the mean score is 2.40.

Male teacher educators trained with other than Educational Technology as an optional subject the sten score



is 20 and mean score is 2.0.

Female teacher-educators trained with other than Educational Technology as an optional subject the sten score is 21 and mean score is 2.10.

#### Interpretation and Conclusion :

The range of mean score in the case of Educational Technology trained male and female teacher educators and male and female teacher educators trained with other than Educational Technology as an optional subject falls between 2.0 to 2.40 which indicates that on factor 'N' all the teacher educators have low sten scores which means they all fall in the category of 'being Forthright'.

TABLE NO. 17

Scores of Educational Technology trained teacher-educators and teacher educators trained with other than Educational Technology as an optional subject on factor 'O' (Self assured-Appre-hensive).

Sr. No.	Scores	E.T.trained teacher educators		Teacher educators trained with other than E.T.	
		Male	Female	Male	Female
1.	Total sten Scores	33	31	40	31
2.	Mean Scores	3.30	3.10	4.0	3.10

Observation : In Table No. 17 the total sten scores and mean score on personality factor 'O' self assured - Apprehensive of Educational Technology trained teacher educators and teacher educators trained with other than Educational Technology as an optional subject.

In the case of Educational Technology trained male teacher-educators the total sten score is 33 and the mean score is 3.30.

Educational Technology trained female teacher-educators have a total sten score is 31 and the mean score is 3.10.

Male teacher-educators trained with other than Educational Technology as an optional subject the sten score is 40 and the mean score is 4.0.

Female teacher educators trained with other than Educational Technology as an optional subject the sten score is 31 and the mean score is 3.10.

#### **Interpretation and Conclusion :**

The mean scores of Educational Technology trained male and female teacher-educators and male & female teacher educators trained with other than Educational Technology as an optional subject falls above the low ranges i.e. sten scores indicating that they are not self assured. As the score doesnot fall between 8-10 high sten score the teacher aren't the Apprenensive type.

It can be inferred that they are average falling between self assured and Apprehensive.

#### **TABLE NO. 18**

Scores of Educational Technology trained teacher-educators and teacher-educators trained with other than Educational Technology as an optional subject on factor 'Q<sub>1</sub>' (Conservative-Experimenting).

Sr. No.	Scores	E.T. trained teacher educators		Teacher-educators trained with other than E.T.	
		Male	Female	Male	Female
1.	Total Sten Scores	29	25	31	16
2.	Mean Score	2.90	2.50	3.10	1.60

**Observation :** In Table No. 18 the total sten scores and mean score on personality factor 'Q1' 'Conservative - Experimenting' of Educational Technology trained teacher-educators and teacher educators trained with other than Educational Technology as an optional subject.

In the case of Educational Technology trained male teacher-educators the total sten score is 29 and the mean score is 2.90.

Educational Technology trained female teacher-educators have a total sten score is 25 and the mean score is 2.50.

Male teacher-educators trained with other than Educational Technology as an optional subject the sten score is 31 and mean score is 3.10.

Female teacher-educators trained with other than Educational Technology as an optional subject the sten score is 16 and mean score is 1.60.

#### **Interpretation and Conclusion :**

The mean scores of Educational Technology trained male and female teacher educators and female teacher-educators trained with other than Educational Technology as

an optional subject falls between 1.6 to 2.90 which indicates that on factor 'Q<sub>1</sub>', all the teacher-educators have low sten scores which means they all fall in the category of 'being conservative'.

TABLE NO. 19

Scores of Educational Technology trained teacher-educators and teacher-educators trained with other than Educational Technology as an optional subject on factor 'Q<sub>2</sub>' (Group dependent - self sufficient).

Sr. No	Scores	E.T. trained teacher educators		Teacher Educators trained with other than E.T.	
		Male	Female	Male	Female
1.	Total Sten Scores	25	30	27	32
2.	Mean Scores	2.50	3.0	2.70	3.20

Observation : In Table No. 19 the total sten scores and mean score on personality factor 'Q<sub>2</sub>' 'Group dependent self sufficient of Educational Technology trained teacher-educators and teacher educators trained with other than Educational Technology as an optional subject.

In the case of Educational Technology trained male teacher-educators the total sten score is 25 and the mean score is 2.50

Educational Technology trained female teacher-educators have a total sten score is 30 and the mean score is 3.0.

Male teacher educators trained with other than Educational Technology as an optional subject have a total sten score is 27 and the mean score is 2.70.

Female teacher educators trained with other than Educational Technology as an optional subject the sten score is 32 and mean score is 3.20.

#### Interpretation and Conclusion :

The mean score of Educational Technology trained male and female teacher-educators and male teacher educators trained with other than Educational Technology as an optional subject falls between 2.5 to 3.0 which indicates that on factor 'Q<sub>2</sub>' all the teacher educators have low sten scores which means they all fall in the category of 'being Group dependent'.

TABLE NO. 20

Scores of Educational Technology trained teacher-educators and teacher educators trained with other than Educational Technology as an optional subject on factor 'Q<sub>3</sub> (Undisciplined self conflict controlled).

Sr. No.	Scores	E.T.trained teacher educators		Teacher educators trained with other than E.T.	
		Male	Female	Male	Female
1.	Total sten scores	22	25	16	22
2.	Mean Scores	2.20	2.50	1.60	2.20

Observation : In Table No. 20 the total sten scores and mean score on personality factor 'Q<sub>3</sub> 'Undisciplined, Self Conflict Controlled' of Educational Technology trained teacher-educators and teach-educators trained with other than Educational Technology as an optional subject.

In the case of Educational Technology trained male

teacher-educators have a total sten score is 22 and the mean score is 2.2.

Educational Technology trained female teacher educators have a total sten score is 25 and the mean score is 2.5.

Male teacher educators trained with other than Educational Technology as an optional subject the sten score is 16 and the mean score is 1.60.

Female teacher educators trained with other than Educational Technology as an optional subject the sten score is 22 and the mean score is 2.20.

#### **Inteerpertation and Conclusion :**

The mean score of Educational Technology trained male and female teacher educators and male and female teacher educators trained with other than Educational Technology as an optional subject falls between 1.60 to 2.50 which indicates that an factor 'Q<sub>3</sub>' all the teacher-educators have low sten scors which means they all fall in the category of 'being Undisciplined'.

**TABLE NO. 21**

Scores of Educational Technology trained teacher educators and teacher educators trained with other than Educational Technology as an optional subject on factor 'Q<sub>4</sub>'

(Relaxed Tense')

Sr. No.	Scores	E.T. trained educators		Teacher-Educators trained with other than E.T.	
		Male	Female	Male	Female
1.	Total Sten Score	29	25	32	23
2.	Mean Scores	2.90	2.50	3.20	2.30

**Observation :** In Table No. 21 the total sten score and mean score on personality factor 'Q<sub>4</sub>' 'Relaxed Tensed' of Educational Technology trained teacher educators and teacher educators trained with other than Educational Technology as an optional subject.

In the case of Educational Technology trained male teacher educators the total sten score is 29 and the mean score is 2.90.

Educational Technology trained female teacher educators have a total sten score is 25 and the mean score is 2.50.

Male teacher educators trained with other than Educational Technology as an optional subject the sten score is 32 and the mean score is 3.20.

Female teacher educators trained with other than Educational Technology as an optional subject the sten score is 23 and the mean score is 2.30.

#### **Interpretation and Conclusion :**

The mean score of Educational Technology trained male and female teacher educators and the female teacher educators trained with other than Educational Technology as an optional subject falls between 2.30 to 2.90 which indicates that on factor 'Q<sub>4</sub>' all the teacher educators have low sten scores which means they all fall in the category of 'being relaxed'.

#### **Interpretation :**

When the mean sten scores on the 16 personality <sup>factor</sup> of both the Educational Technology trained male & female

teacher - educators and the teacher - educators trained other than Educational Technology as an optional subject were compared it was found that on the following 14 factors namely A, B, C, E, F, G, H, I, M, N, Q<sub>1</sub>, Q<sub>2</sub>, Q<sub>3</sub>, Q<sub>4</sub> all the teacher - educators fall in the 1-3 item score, indicating a personality profile of being reserved, less intelligent, affected by feelings, being humble and sober being expedient, shy, tough minded, practical, forthright, conservative group dependent, undisciplined and relaxed.

However, for the two factors L and O mean item scores falls between 3.1 to 4.20 which is nearer to the low scores but high, thus indicating that along with the above stated profile the teacher- educators are thrusting, moving towards being suspicious self assured moving towards being apprehensive.

The reason for the all teacher-educators exhibiting the above personality profile could be attributed to the fact that they come from a semi-urban social setting working in a closed special environment with little or no mobility, lack of interaction due to compartmentalization of subjects, lack of participation in professional associations and bodies, orientation courses etc.

Teacher - educators should be encouraged to interact with the community and broaden their views for the development of their personality.

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