

## **CRITICAL ANALYSIS OF THE FUNCTIONING AND PERFORMANCE OF VARIOUS DIET'S OF KARNATAKA STATE**

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### **Abstract**

To analyse the functioning of various departments of DIET's in Karnataka state, 16 DIET's were selected for the study and the researcher collected the data by using the questionnaire as a tool prepared separately with respect to the functioning of the seven departments of the DIET's. The data was analysed with reference to the objectives and hypotheses by using Normal Probability Curve approach by computing the Z-scores to determine the performance level. Davanagere DIET had good performance towards educational leadership management and planning, comparatively to least performance towards educational leadership management and planning was seen in Dharwad DIET. But Mysore and Gulbarga DIET's have average performance towards educational leadership management and planning. Davanagere DIET had good performance on teacher education as compared to least performance towards teacher education was seen in

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### **Keywords:**

DIET; District Institute of Education and Training.

Educational leadership management and planning;

Teacher education;

Language;

Mathematics and science.

Humanity,

Pre-Service Teacher Education,

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Mandya DIET. But other DIET's have average performance towards teacher education. Shivamogga and Hassan DIET had good performance in language department as compared to Chikkamagalur DIET which has seen least performance. But other DIET's have average performance in department of language. Chikkamagalur DIET had good performance on the department of mathematics and science comparatively least performance was seen in Mandya DIET. But other DIET's have average scores on the department of mathematics and science. Ballari&Raichur DIET had good performance in humanity department as compared Shivamogga and Haveri DIET's. But other DIETs have average performance in humanity department. Gulbarga DIET had good performance in pre-service teacher education as compared to Tumkur DIET. But other DIETs have average scores pre-service teacher education. Shivamogga DIET had good performance on local needs as compared to least performance on local needs was seen in Belgaum DIET. But other DIETs have average scores on the department of local needs.

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## **1. Introduction**

Education is very essential for the social, economical, political and cultural development and education is also very essential in the era of globalization. Hence all the nations have effectively planned the tasks through education for their development.

Government of India has brought into effect national policy of education in the year 1986 for the implementation of compulsory education, universalization of elementary education and eradicating illiteracy.

Hence for the improvement of education in terms of quantity and quality, NPE 1986 forwarded the central government recommendation for the establishment of DIET- District Institute of education and training in all the states in the year 1987.

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## **NEED AND IMPORTANCE OF THE STUDY**

After the establishment of the DIET's by the recommendation of National Policy of Education 1986. Earlier all the DIET's functioned very well, when compared to earlier years pre service teacher education department showed the lowest admission rate and quality of training given to in service teachers is not upto the expected level. Hence, there is a need for the present study. The importance of the present study is to know the functioning of the various departments of the DIET's to provide suitable suggestions with respect to the functioning of the DIET's to improve the quality of elementary education.

## **OBJECTIVES:**

1. To measure & analyze critically the performance of educational leadership, management and planning department of DIET's.
2. To measure & analyze critically the performance of teacher education department of DIET's.
3. To measure & analyze critically the performance of language department of DIET's.
4. To measure & analyze critically the performance of science and mathematics department of DIET's .
5. To measure & analyze critically the performance of humanity department of DIET's .

6. To measure & analyze critically the performance of pre service teacher education department of DIET's .
7. To measure & analyze critically the performance of local needs department of DIET's .
8. To study the overall qualitative performance of various departments of DIET's.

## 2. Research Method

For the present study survey method which is a descriptive method of research was used by the researcher.

### SAMPLING:

Among 32 DIET's of Karnataka state Bangalore, Mysore, Belgaum and Gulbarga are the four educational divisions 16 DIET's were selected randomly through simple random sampling technique, similarly DIET's from each divisions were also selected randomly by giving due representation to all the four divisions, finally 5 DIET's from Bangalore division, 4 DIET's from Mysore division, 4 DIET's from Belgaum and 3 DIET's from Gulbarga division are selected.

### TOOLS USED FOR THE COLLECTION OF DATA:

Table: Total number of questions with respect to 7 departments of DIET's.

SL NO	DEPARTMENTS OF THE DIET	NUMBER OF QUESTIONS
1.	DEPARTMENT OF EDUCATIONAL LEADERSHIP MANAGEMENT AND PLANNING	45
2.	DEPARTMENT OF TEACHER EDUCATION	44
3.	DEPARTMENT OF LANGUAGE	24
4.	DEPARTMENT OF MATHEMATICS AND SCIENCE	19
5.	DEPARTMENT OF HUMANITY	15
6.	DEPARTMENT OF PRE-SERVICE TEACHER EDUCATION	27
7.	DEPARTMENT OF LOCAL NEEDS	36
	TOTAL NUMBER OF QUESTIONS	210

The tool was prepared by the researcher which includes 210 statements with respect to the performance of 7 departments of various DIET's. The statements were measured on 3 point

rating scale. The scale weightage assigned for all statements was 2, 1 and 0, for responses indication as good, average & No. Data was collected by giving this questionnaire as a tool to principals, senior lecturers and lecturers of 7 department of DIET's.

### STATISTICAL TECHNIQUE USED TO ANALYSE DATA:

After the data was collected it was analyzed with reference to the objectives and Research questions using normal probability curve approach and by computing the Z scores.

### 3. Results and Analysis

#### ANALYSIS OF DIFFERENT DIET'S WITH RESPECT TO TOTAL PERFORMANCE SCORES AND PERFORMANCE SCORES RELATED TO DIFFERENT DEPARTMENTS

1. Whether the performance of the department of educational leadership management and planning is satisfactory?

Table: Computation of Z-scores for all DIET's on performance scores towards educational leadership management and planning in Karnataka state

No	DIET	Scores	Difference	Z-scores
1	Bangalore	83	11.31	0.80
2	Chitradurga	83	11.31	0.80
3	Davangere	88	16.31	1.16
4	Shivamogga	75	3.31	0.24
5	Tumkur	76	4.31	0.31
6	Mysore	58	-13.69	-0.97
7	Mandya	80	8.31	0.59
8	Hassan	86	14.31	1.02
9	Chikkmagalure	55	-16.69	-1.18
10	Dharwad	44	-27.69	-1.96
11	Belagavi	82	10.31	0.73
12	Bagalkot	76	4.31	0.31
13	Haveri	79	7.31	0.52
14	Gulbarga	49	-22.69	-1.61

15	Ballari	76	4.31	0.31
16	Raichur	57	-14.69	-1.04
	Mean	71.69		
	SD	14.11		

From the results of the above table it can be seen that, the Davanagere DIET had good performance towards educational leadership management and planning as compared to Dharwad DIET. But Mysore and Gulbarga DIET's have average performance in department of educational leadership, management and planning.

2. Whether the performance of the department of teacher education is satisfactory?

Table: Computation of Z-scores for all DIET's on performance scores towards teacher education in Karnataka state

No	DIET	Scores	Difference	Z-scores
1	Bangalore	80	12.50	0.86
2	Chitradurga	75	7.50	0.51
3	Davangere	88	20.50	1.40
4	Shivamogga	86	18.50	1.27
5	Tumkur	78	10.50	0.72
6	Mysore	64	-3.50	-0.24
7	Mandya	42	-25.50	-1.75
8	Hassan	65	-2.50	-0.17
9	Chikkmagalure	56	-11.50	-0.79
10	Dharwad	56	-11.50	-0.79
11	Belagavi	84	16.50	1.13
12	Bagalkot	68	0.50	0.03
13	Haveri	61	-6.50	-0.45
14	Gulbarga	44	-23.50	-1.61
15	Ballari	79	11.50	0.79
16	Raichur	54	-13.50	-0.92
	Mean	67.50		
	SD	14.61		

From the results of the above table it can be seen that, the Davanagere DIET had good performance in teacher education department when compared to Mandya DIET. But other DIET's have average performance in teacher education.

3. Whether the performance of the department of teacher education is satisfactory?

Table: Computation of Z-scores for all DIET on performance scores towards language in Karnataka state

No	DIET	Scores	Difference	Z-scores
1	Bangalore	24	-11.25	-1.39
2	Chitradurga	39	3.75	0.46
3	Davangere	30	-5.25	-0.65
4	Shivamogga	46	10.75	1.32
5	Tumkur	29	-6.25	-0.77
6	Mysore	26	-9.25	-1.14
7	Mandya	44	8.75	1.08
8	Hassan	46	10.75	1.32
9	Chikkmagalur	21	-14.25	-1.76
10	Dharwad	33	-2.25	-0.28
11	Belagavi	44	8.75	1.08
12	Bagalkot	40	4.75	0.59
13	Haveri	33	-2.25	-0.28
14	Gulbarga	37	1.75	0.22
15	Ballari	42	6.75	0.83
16	Raichur	30	-5.25	-0.65
	Mean	35.25		
	SD	8.12		

From the results of the above table it can be seen that, the Shivamogga & Hassan DIET's had good performance in language department compared to Chikkmagalur DIET. But other DIET's have average performance in department of language.

4. Whether the performance of the department of mathematics and science is satisfactory?

Table: Computation of Z-scores for all DIET on performance scores towards mathematics and science in Karnataka state

No	DIET	Scores	Difference	Z-scores
1	Bangalore	34	1.81	0.92
2	Chitradurga	34	1.81	0.92
3	Davanagere	34	1.81	0.92
4	Shivamogga	33	0.81	0.41
5	Tumkur	33	0.81	0.41
6	Mysore	30	-2.19	-1.11
7	Mandya	29	-3.19	-1.62
8	Hassan	31	-1.19	-0.60
9	Chikkmagalur	36	3.81	1.93
10	Dharwad	31	-1.19	-0.60
11	Belagavi	34	1.81	0.92
12	Bagalkot	33	0.81	0.41
13	Haveri	31	-1.19	-0.60
14	Gulbarga	30	-2.19	-1.11
15	Ballari	30	-2.19	-1.11
16	Raichur	32	-0.19	-0.10
	Mean	32.19		
	SD	1.97		

From the results of the above table it can be seen that, the Chikkmagalur DIET had good performance on the department of mathematics and science comparatively in Mandya DIET. But other DIET's have average scores in the department of mathematics and science.

5. Whether the performance of the department of humanity is satisfactory?

Table: Computation of Z-scores for all DIET's on performance scores towards humanity in Karnataka state

No	DIET	Scores	Difference	Z-scores
1	Bangalore	29	2.75	0.99
2	Chitradurga	29	2.75	0.99



3	Davanagere	25	-1.25	-0.45
4	Shivamogga	22	-4.25	-1.52
5	Tumkur	24	-2.25	-0.81
6	Mysore	26	-0.25	-0.09
7	Mandya	25	-1.25	-0.45
8	Hassan	30	3.75	1.34
9	Chikkmagalur	26	-0.25	-0.09
10	Dharwad	23	-3.25	-1.16
11	Belagavi	26	-0.25	-0.09
12	Bagalkot	25	-1.25	-0.45
13	Haveri	22	-4.25	-1.52
14	Gulbarga	28	1.75	0.63
15	Ballari	30	3.75	1.34
16	Raichur	30	3.75	1.34
	Mean	26.25		
	SD	2.79		

From the results of the above table it can be seen that, the Ballari&Raichur DIET's had good performance in department of humanity compared to Shivamogga and Haveri DIET's. But other DIETs have average performance in department of humanity.

6. Whether the performance of the department of pre-service teacher education is satisfactory?

Table: Computation of Z-scores for all DIET on performance scores towards pre-service teacher education in Karnataka state

No	DIET	Scores	Difference	Z-scores
1	Bangalore	45	5.31	0.70
2	Chitradurga	42	2.31	0.30
3	Davanagere	42	2.31	0.30
4	Shivamogga	39	-0.69	-0.09
5	Tumkur	22	-17.69	-2.31
6	Mysore	31	-8.69	-1.14

7	Mandya	25	-14.69	-1.92
8	Hassan	45	5.31	0.70
9	Chikkmagalur	40	0.31	0.04
10	Dharwad	37	-2.69	-0.35
11	Belagavi	38	-1.69	-0.22
12	Bagalkot	46	6.31	0.83
13	Haveri	45	5.31	0.70
14	Gulbarga	48	8.31	1.09
15	Ballari	44	4.31	0.56
16	Raichur	46	6.31	0.83
	Mean	39.69		
	SD	7.65		

From the results of the above table it can be seen that, the Gulbarga DIET had good performance in pre-service teacher education department as compared to Tumkur DIET. But other DIETs have average scores in department of pre-service teacher education.

7. Whether the performance of the department of local needs is satisfactory?

Table: Computation of Z-scores for all DIET on performance scores towards local needs in Karnataka state

No	DIET	Scores	Difference	Z-scores
1	Bangalore	39	5.19	0.35
2	Chitradurga	38	4.19	0.29
3	Davanagere	14	-19.81	-1.35
4	Shivamogga	52	18.19	1.24
5	Tumkur	25	-8.81	-0.60
6	Mysore	26	-7.81	-0.53
7	Mandya	40	6.19	0.42
8	Hassan	42	8.19	0.56
9	Chikkmagalur	50	16.19	1.10
10	Dharwad	12	-21.81	-1.49
11	Belagavi	42	8.19	0.56

12	Bagalkot	19	-14.81	-1.01
13	Haveri	22	-11.81	-0.81
14	Gulbarga	46	12.19	0.83
15	Ballari	58	24.19	1.65
16	Raichur	16	-17.81	-1.21
	Mean	33.81		
	SD	14.67		

From the results of the above table it can be seen that, the Shivamogga DIET had good performance in local needs as compared to Belgaum DIET. But other DIETs have average scores in the department of local needs.

8. Whether the overall performance of all the seven departments of DIET's of Karnataka state is satisfactory?

Table: Computation of Z-scores for all DIET's on total management scores in Karnataka state

No	DIET	Scores	Difference	Z-scores
1	Bangalore	334	27.63	0.73
2	Chitradurga	340	33.63	0.89
3	Davanagere	321	14.63	0.39
4	Shivamogga	353	46.63	1.24
5	Tumkur	287	-19.38	-0.51
6	Mysore	261	-45.38	-1.21
7	Mandya	285	-21.38	-0.57
8	Hassan	345	38.63	1.03
9	Chikkmagalur	284	-22.38	-0.59
10	Dharwad	236	-70.38	-1.87
11	Belagavi	350	43.63	1.16
12	Bagalkot	307	0.63	0.02
13	Haveri	293	-13.38	-0.36
14	Gulbarga	282	-24.38	-0.65
15	Ballari	359	52.63	1.40
16	Raichur	265	-41.38	-1.10
	Mean	306.38		
	SD	37.66		

From the results of the above table it can be seen that, the Ballari DIET had good total management scores as compared to least total management scores was seen in Dharwad DIET. But other DIETs have average total management scores.

## **FINDINGS**

1. Davanagere DIET had good performance in department of educational leadership, management and planning as compared to Dharwad DIET. But other DIET's have average performance in department of educational leadership, management and planning.
2. Davanagere DIET had good performance in teacher education as compared to Mandya DIET. But other DIET's have average performance in department of teacher education.
3. Shivamogga & Hassan DIET had good performance in language department as compared to Chikmagalur DIET. But other DIET's have average performance in department of language.
4. Chikmagalur DIET had good performance in department of mathematics and science comparatively least performance was seen in Mandya DIET. But other DIET's have average scores in the department of mathematics and science.
5. Ballari & Raichur DIET had good performance in humanity department as compared to Shivamogga and Haveri DIETs. But other DIETs have average performance in department of humanity.
6. Gulbarga DIET had good performance in department of pre-service teacher education as compared to Tumkur DIET. But other DIETs have average scores in department of pre-service teacher education.
7. Shivamogga DIET had good performance in department of local needs as compared to Belgaum DIET. But other DIETs have average scores in the department of local needs.
8. Ballari DIET had good total management scores as compared to least total management scores was seen in Belgaum DIET. But other DIETs have average total management scores.

## **4. Conclusion**

When critical analysis was done with respect the functioning of seven departments of the DIET's it was seen that except few DIET's in the Karnataka state overall performance was good among the seven departments of the DIET's. If the government, the authorities and the lecturers would pay attention still better performance can be expected with respect to elementary education.

## References

- [1] Best John. W (1977), “Research in Education “ New Delhi, Prentice hall of India pvt Ltd.
- [2] Lokesh Koul. (2002), “Methodology of Educational Research” Vikas Publications, New Delhi.
- [3] DIET Manual.
- [4] Roddannavar J G (2005) “Functions of DIET’s in Karnataka State” VidyanidhiPrakashana, Gadag.
- [5] Lakshmi. N (2005) “ Educational Statistics” VidyanidhiPrakashana , Gadag.
- [6] Vamadevappa. H. V (2010) “ Evaluation and Statistics in Education ” Shreyas Publication, Davanagere.
- [7] Yashodhara.K. (2007) “Statistics in Education” SheebaPrakashana, Mysore.

## WEBLIOGRAPHY:

- [8] [www.Shodhaganga.inflibnet.com](http://www.Shodhaganga.inflibnet.com)
- [9] [www.ask.org](http://www.ask.org)
- [10] [www.chea.org](http://www.chea.org)
- [11] <http://trove.nla.gov.au>
- [12] <http://link.Springer.com>
- [13] <http://pubmedcentralcanada.ca/pmcc/article>