

A STUDY ON ACADEMIC ACHIEVEMENT OF GOVERNMENT DEGREE COLLEGES AND GOVERNMENT MODEL DEGREE COLLEGES OF ARUNACHAL PRADESH

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Abstract

This study aimed to investigate the status of academic achievement of students of Government Degree Colleges and Government Model Degree Colleges of Arunachal Pradesh. In order to find out the academic achievement scores of students from the academic sessions 2018-19 to 2021-22, an academic scores of 4 (four) government degree colleges and 3 (three) government model degree colleges of Arunachal Pradesh were selected. From the findings, it was found that the mean score of students at government degree colleges and government model degree colleges of Arunachal Pradesh came out to be 739.37 out of total 1200, which indicates good academic achievement of students of government degree colleges and government model degree colleges. When we compare the academic achievement of students of government degree colleges and government model degree colleges, we found that the academic achievement of students of government degree colleges is better than the students' academic achievement of government model degree colleges of Arunachal Pradesh in the last four academic sessions.

Keywords: Higher Education, Academic Achievement, Academic Session, Government Model Degree College and Rastriya Uchchar Shiksha Abhiyan.

INTRODUCTION

Education is necessary for overall development of an individual, it is the most powerful assets of human being in this modern world, without it we cannot progress and achieve whatever we want in this competitive life. It has been accepted as a means of improving one's ability to read and write and for developing one's all round personality and enabling one to be an efficient citizen of the country. It helps in personal development as well as social and economic development of the nation.

Higher education enable people to know more on moral, cultural, social and spiritual issues facing by human being. It produces specialized knowledge and skills person that lead to national development. In India, higher education begins after secondary education in learning institutions. India's higher education system is the third largest in the world after the United States and China. University Grants Commission (UGC) is the highest governing body for higher education in India, which enforces its standards, advises the government, and helps coordinate between the Centre and the State.

RATIONALE OF THE STUDY

Arunachal Pradesh is the largest state of North- East India; it is surrounded by Tibet and China to the north, Assam and Nagaland to the south, Myanmar to the east, Bhutan to the west. The state has total population of around 14 lakhs and 17 persons per sq.km as per 2011 census. It has 26 major tribes and around 110 sub-tribes. They are practicing and preserving their own different culture, custom, dialects, and traditions. The official record reveals that the formal education system in the state started after Independence. There were only 3 (three) primary schools with an enrolment of 35 students at the time of country's independence. When the first ever census was conducted in 1961 the state literacy rate was recorded with 7.23 percent against 28.30 percent of all India. According to 2011 census report, the state has recorded the literacy rate of 66.95% which is still below than the national literacy rate of 74.04%.

There are many research studies conducted in the field of education such as: Begi, J. (2007) conducted a study on education in Arunachal Pradesh since 1947 and the findings reveals that the formal education system began in 1947 with the appointment of Mrs. Indira Mili as Education Officer. Before 1947 the formal education in the state was started by missionaries but could not function properly. Benal, Nayak, PK (2002) conducted a study on higher education in Arunachal Pradesh and found that the government has initiated many initiatives to expand education system in the state. Taba, R (2004) conducted a study on development of education in Arunachal Pradesh since independence and found that till 1971 there was only 1 college and by 2003 there were 7 colleges and 1 university in the state.

From the above studies, it is clear that none of the study has been conducted on the status of academic achievement of students at government degree colleges and government model degree colleges of Arunachal Pradesh. Therefore, the present study was taken up on the status of academic achievement of students at government degree colleges and government model degree colleges of Arunachal Pradesh. The findings of the study will be useful for the administrators, policy makers and teachers to get clear picture about the status of academic achievement of students at government degree colleges and government model degree colleges of Arunachal Pradesh. The study is also very significant for effective implementation of centrally sponsored scheme particularly RUSA in the state and finally it will fill up the research gap in this area.

OBJECTIVE

To investigate and compare the academic achievement of students of government degree colleges and government model degree colleges of Arunachal Pradesh at under graduate level.

HYPOTHESIS

1. There is no significant difference in the academic achievement mean score of students of government degree colleges and government model degree colleges of Arunachal Pradesh.

2. There is no significant difference in the academic achievement mean score of male and female students of government degree colleges of Arunachal Pradesh.
3. There is no significant difference in the academic achievement mean score of male and female students of Government Model Degree Colleges of Arunachal Pradesh.

METHODOLOGY

The present study is confined with the status of academic achievement of students at government degree colleges and government model degree colleges of Arunachal Pradesh at under graduate level. Therefore, Descriptive Method of Educational Research was employed. Data were collected from the 4 (four) Government Degree Colleges and 3 (three) Government Model Degree Colleges and official records of Directorate of Higher and Technical Education, Government of Arunachal Pradesh.

Population of the present study consist of 12 Government Degree Colleges and 6 Government Model Degree Colleges and all the students of 12 government degree colleges and 6 government model degree colleges of Arunachal Pradesh. Sample of the present study consist of 24891 students of last four academic sessions from 2018-19 to 2021-22 of 4 selected government degree colleges and 3 government model degree colleges of Arunachal Pradesh, which were selected on the basis of students' enrolment (high, moderate and low).

FINDINGS

To find out the status of academic achievement of students at under graduate level academic scores of 4 selected government degree colleges and 3 government model degree colleges of Arunachal Pradesh from the academic session 2018-19 to 2021-22 were collected.

1.0 Overall academic achievement of government degree colleges and government model degree colleges of Arunachal Pradesh at under graduate level.

Table – 1: Computation of Mean Scores and Standard Deviation of overall academic achievement of government degree colleges and government model degree colleges of Arunachal Pradesh from year 2018-19 to 2021-22.

CL - I	X	f	x'	fx'	fx' ²
1101-1200	1150.5	436	5	2180	10900
1001-1100	1050.5	809	4	3236	12944
901-1000	950.5	3236	3	9708	29124
801-900	850.5	4231	2	8462	16924
701-800	750.5	7467	1	7467	7467
601-700	650.5	3734	0	0	0
501-600	550.5	2738	-1	-2738	2738
401-500	450.5	996	-2	-1992	3984
301-400	350.5	775	-3	-2325	6975
201-300	250.5	469	-4	-1876	7504
		N = 24891		∑fx' = 22122	∑fx'² = 98560

Mean = 739.37 N = 24891 SD = 178.03

Interpretation

Table - 1 Shows the combine computed mean score of academic achievement of students at government degree colleges and government model degree colleges of Arunachal Pradesh. Which came out to be 739.37 out of total 1200 marks, which indicates above average performance among the students at government degree colleges and government model degree colleges. It is a matter of good sign for the teacher, educational administrations and the state government as a whole. Further, the study found that 51.94 percent students were found below mean score (739.37) and 49.06 percent students were found above the mean score. It is also found that academic achievement mean score (739.50) of students of government degree colleges is higher than the academic achievement mean score (734.87) of students of government model degree colleges.

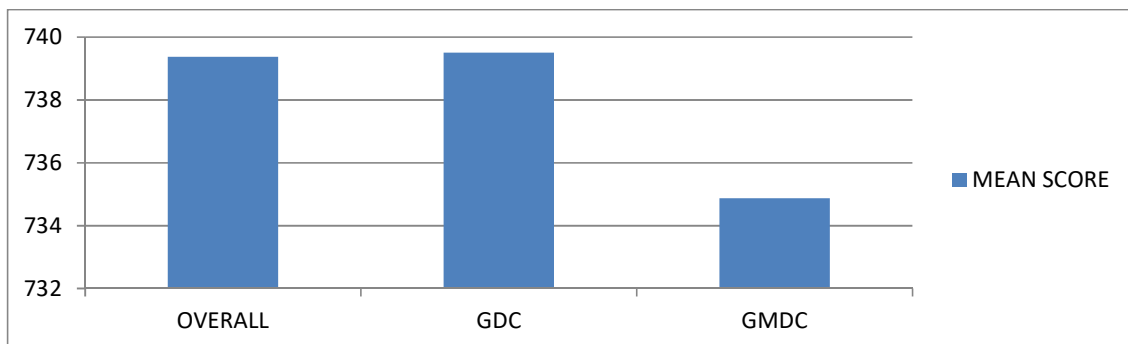
Hypothesis - 1: There is no significant difference in the academic achievement mean score of students of government degree colleges and government model degree colleges of Arunachal Pradesh from year 2018-19 to 2021-22.

Table - 2: Summary of overall academic achievement mean score, standard deviation, and t - value of students of government degree colleges and government model degree colleges of Arunachal Pradesh from year 2018-19 to 2021-22.

Group	N	M	SD	SE _d	Computed 't' Value	Remarks
GDC	22536	739.50	178.83	3.92	1.18	No significant at .05 level
GMDC	2355	734.87	181.06			

N = Number, M = Mean, SD= Standard Deviation, SE_d = Standard Error of Deviation

Figure – 1: Indicating academic achievement mean score of students at government degree colleges and government model degree colleges of Arunachal Pradesh from 2018-19 to 2021-22.



Interpretation

Table - 2 and figure - 1 show that computed t-value (1.18) is found lesser than the table t - value (1.96) at 0.05 level of confidence for 24889 df. Therefore, the formulated

hypothesis “There is no significant difference in the academic achievement mean score of students of Government Degree Colleges and Government Model Degree Colleges of Arunachal Pradesh” gets accepted. It means, there is no significance difference in the academic achievement means score of students of Government Degree Colleges and Government Model Degree Colleges of Arunachal Pradesh. And, it is interpreted that overall academic achievement mean score (739.50) of Government Degree Colleges students is higher than the academic achievement mean score (734.87) of Government Model Degree Colleges of Arunachal Pradesh.

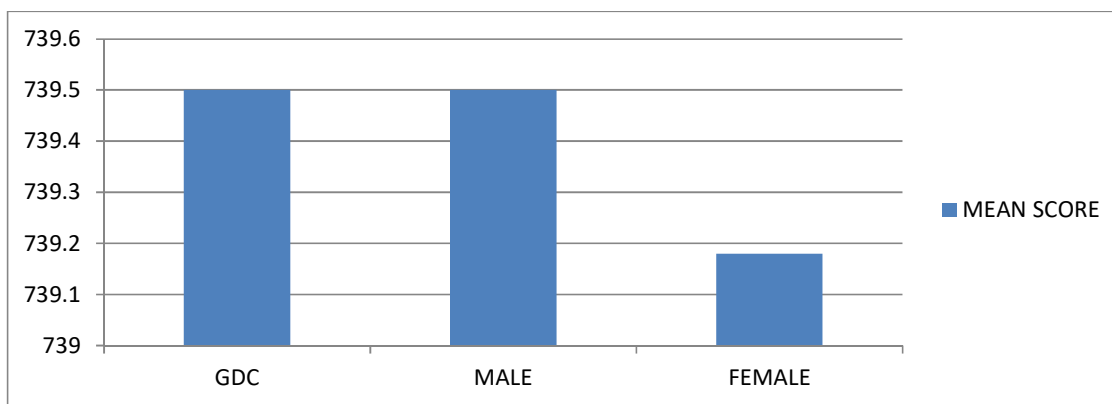
Hypothesis - 2: There is no significant difference in the academic achievement mean score of male and female students of government degree colleges of Arunachal Pradesh.

Table - 3: Summary of the academic achievement mean score, standard deviation, and t - value of male and female students of government degree colleges of Arunachal Pradesh from year 2018-19 to 2021-22.

Group	N	M	SD	SE _d	Computed ‘t’ Value	Remarks
Male	10733	739.50	178.85	2.50	0.128	Not Significant at .05 level
Female	11803	739.18	196.70			

N = Number, M = Mean, SD= Standard Deviation, SE_d = Standard Error of Deviation

Figure - 2: Indicating academic achievement mean score of male and female students at government degree colleges of Arunachal Pradesh from 2018-19 to 2021-22



Interpretation

Table - 3 and figure - 2 shows that computed t - value (0.128) is found lesser than the table t - value (1.96) at 0.05 level of confidence for 22534 df. Therefore, the formulated hypothesis “There is no significant difference in the academic achievement mean score of male and female students of government degree colleges of Arunachal Pradesh” gets accepted. It means, there is no significance difference in the academic achievement of male and female students of government degree colleges of Arunachal Pradesh. And, it is interpreted that academic achievement mean score (739.50) of male students of Government

Degree Colleges is slightly higher than the academic achievement mean score (739.18) of female students of Government Degree Colleges of Arunachal Pradesh.

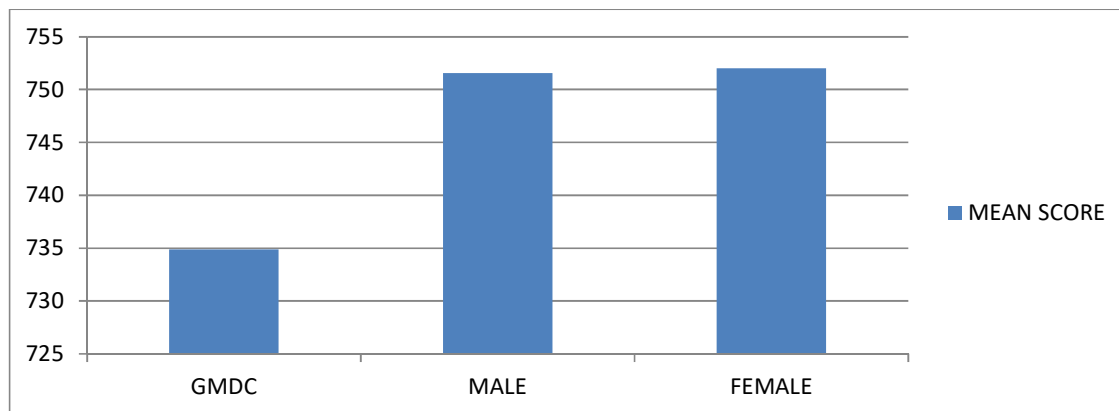
Hypothesis – 3: There is no significant difference in the academic achievement mean score of male and female students of government model degree colleges of Arunachal Pradesh.

Table - 4: Summary of the academic achievement mean score, standard deviation, and t - value of male and female students of government model degree colleges of Arunachal Pradesh from 2018-19 to 2021-22

Group	N	M	SD	SE _d	Computed 't' Value	Remarks
Male	1241	751.54	154.14	6.37	0.075	Not significant at .05 level
Female	1114	752.02	154.37			

N = Number, M = Mean, SD= Standard Deviation, SE_d = Standard Error of Deviation

Figure – 3: Indicating academic achievement mean score of male and female students at government model degree colleges of Arunachal Pradesh from 2018-19 to 2021-22.



Interpretation

Table – 4 and figure – 3 shows that computed t - value (0.075) is found lesser than the table t - value (1.96) at 0.05 level of confidence for 2353 df. Therefore, the formulated hypothesis “There is no significant difference in the mean score of male and female students of Government Model Degree Colleges of Arunachal Pradesh” gets accepted. It means, there is no significant different difference in the academic achievement means score of male and female students of Government Model Degree Colleges of Arunachal Pradesh. And, it is interpreted that academic achievement mean score (752.02) of female students of Government Model Degree Colleges is slightly higher than the academic achievement mean score (751.54) of male students of Government Model Degree Colleges of Arunachal Pradesh.

CONCLUSION

From the findings of the study, it was found that the academic achievement mean score of students of government degree colleges is slightly higher than the academic achievement mean score of students of government model degree colleges of Arunachal Pradesh. Which reveals that the academic achievement of government degree college is better than the academic achievement of government model degree colleges of Arunachal Pradesh in the last four academic sessions from 2018-19 to 2021-22. This may be because of location and better infrastructure facilities available in the government degree colleges. Most of the government degree colleges are located in district headquarter and equipped with basic facilities required for smooth functioning of the colleges, such as: number of teachers, subject option and availability of classroom facilities etc. With regards to the government model degree colleges in the state, these colleges are established after 2010 under the initiative of Rastriya Uchchatar Shiksha Abhiyan and are mostly located in rural or newly established town and areas. Therefore, more focus is to be given to government model degree colleges as these colleges cater the need of rural population of the state.

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