

Analysing Vital Management Roles In Providing Physical Education And Sports To Indian Students

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KEYWORDS ABSTRACT

NCTE, States, Physical Education, Website and Management

The aim of this study is to identify the states and union territories offering NCTE-recognized Physical Education courses (D.P.Ed, B.P.Ed, and M.P.Ed.) by institutions in India also identify based on their management type. Data, source for this study collected from the National Council for Teacher Education (NCTE) official website. The findings of this study show that, Totally 289 institutions offered Physical Education courses in India among Uttar Pradesh has the highest number of NCTE-recognized Physical Education courses offered by institutions, followed by Tamil Nadu in second position. Twenty-three states have institutions offering these courses, and three union territories also have such institutions. In terms of institution management, private management colleges hold the top position, while among universities, state management universities are at the top. The recommendation of this study is that five states and six union territories currently have no institutions offering these courses, so the governments must initiate the establishment of at least one institution in these states and union territories. Additionally, the government should increase the number of their managed institutions in all states and union territories.

1. Introduction

Physical Education and Sport in India, with its structured curriculum and extracurricular activities, plays a crucial role in promoting physical fitness, teamwork, and overall well-being among students and the general population. Rooted in ancient traditions like yoga and martial arts, the modern system has significantly evolved to include organized competitions and dedicated physical education classes in schools and colleges. This evolution is supported by bodies like the Sports Authority of India (SAI), which foster athletic development from grassroots to elite levels.

In parallel, the National Council for Teacher Education (NCTE) is pivotal in maintaining high standards in the teacher education sector, ensuring that educators are well-equipped to deliver quality physical education. Established under the NCTE Act of 1993, this statutory body oversees teacher education institutions, provides program recognition, and conducts quality assessments. The synergy between these two domains underscores a holistic approach to health, fitness, and education, vital for nurturing young talent and enhancing the competence and professionalism of teachers across India.

Review of Literature

(Bakkiyaraj & Kalidasan, 2024) Analysed the relationship between identified factors and different regions of the National Council for Teacher Education (NCTE) in India. This study focused on the Simple Web Impact Factor (SWIF) and Revised Web Impact Factor (RWIF) as indicators of website quality and popularity. The Pearson correlation coefficient was used to assess the correlation between SWIF and RWIF for each region. The findings showed a weak positive correlation in the eastern region, a moderate positive correlation in the northern, southern, and western regions. (Bakkiyaraj & Kalidasan, 2023) Analysed of the websites of Physical Education courses offered by 189 multi faculty profile institutions of NCTE in India. Online statistics software VassarStats-Pearson correlation coefficient (r) was used to establish the closeness or association in ranking based on RWIF and SWIF. Also, SocSciBot 4.0 has been used for creating link topology. (Bakkiyaraj & Kalidasan, 2022) Analysed the websites of recognized Physical Education courses offered single faculty profile which mean D.P.Ed, B.P.Ed, M.P.Ed course offered institutions of NCTE. The paper examined and calculated as simple links web impact factor, self-links web impact factor, external links web impact

factor and revised web impact factor, ranking to 100 websites of recognized Physical Education institutions of NCTE in India. (Bakkiyaraj & Kalidasan, 2022) The paper analysed the 85 websites of NCTE recognized Physical Education courses, offered by Universities of India. The paper investigates such as the website page size (in bytes) and the Number of Web Pages, Total Links, Self Links, External Links and Back link or Incoming Links of NCTE. (Gunasekaran, 2011) Presented a webometric ranking of business schools of the top 100 schools. The results show that schools in the United States and Europe dominate the top positions, with Harvard Business School ranking first. (Jalal et. al., 2010) This study examined the efficacy and applicability of web impact factors (WIFs) for the websites of Indian universities. It investigates the development and usage of this link-based statistic, and discusses a case study involving universities in West Bengal. (Babu et. al., 2010) reported on the retrieval syntax of online pages for forty central universities in India using the Altavista search engine. (Payne & Thelwall, 2004) provided the findings of a statistical examination of online link structure text files from 111 UK institutions. (Thelwal et. al., 2002) Analysed the sizes of 670 websites of higher education institutions in European Union countries, as measured by AltaVista. (Chu & et. al., 2002) this study analyzed of the in-links to 53 websites of library and information science (LIS) schools accredited by the American Library Association (ALA) in Canada and USA.

Objective of The Study

To identify the States and union territories wise of NCTE-recognised Physical Education courses offered by institutions in India.

To analysis institution management wise of NCTE-recognised Physical Education courses offered by institutions in India.

2. Methodology

For this study, data Source from the National Council for Teacher Education (NCTE) recognized Physical Education courses (C.P.Ed, B.P.Ed, M.P.Ed.) and the institutions offering them were collected from the official NCTE website (<https://ncte.gov.in/website/index.aspx>) on May 20th and 21st 2022. Additionally, general internet searches were conducted to find other institutions offering Physical Education courses. The data collected from the NCTE website were cross-checked for validity against other online sources.

Data were collected and analyzed according to NCTE regional states and union territories, as well as the type of institution management. Simple calculation methods were used for data analysis, presenting rank based on numbers and percentages. Pie charts were employed for illustration. A total of 289 websites of recognized Physical Education institutions were considered for the study. An observation method was used to conduct this research.

Data Analysis and Interpretation

Distinctive analyses of information with interpretations have been offered on this segment. The information gathered from various internet sources is quantitatively analyzed to fulfil the objectives. Information was systematically categorized, tabulated, analyzed and interpreted in the following way. Below mentioned are States and union territories wise of NCTE-recognised Physical Education courses offered by institutions in India.

Table-1 List of State & Union Territory wise NCTE-recognised Physical Education courses offered by institutions of India

S.No	Name of the State & Union Territory	Number of Institution	Percentage	Rank
1	Uttar Pradesh	76	26.30	1
2	Tamil Nadu	31	10.73	2
3	Andhra Pradesh	22	7.61	3
4	Maharashtra	21	7.27	4

5	Punjab	19	6.57	5
6	Karnataka	18	6.23	6
7	Madhya Pradesh	18	6.23	6
8	Chhattisgarh	12	4.15	8
9	West Bengal	12	4.15	8
10	Haryana	12	4.15	8
11	Rajasthan	8	2.77	11
12	Gujarat	7	2.42	12
13	Telangana	6	2.08	13
14	Odisha	3	1.04	14
15	Jharkhand	3	1.04	14
16	Uttarakhand	3	1.04	14
17	Tripura	3	1.04	14
18	Bihar	3	1.04	14
19	Assam	3	1.04	14
20	Kerala	2	0.69	20
21	Himachal Pradesh	2	0.69	20
22	Arunachal Pradesh	1	0.35	22
23	Manipur	1	0.35	22
24	Chandigarh (UT)	1	0.35	22
25	Delhi (UT)	1	0.35	22
26	Puducherry (UT)	1	0.35	22
27	Meghalaya	0	0.00	-
28	Sikkim	0	0.00	-
29	Mizoram	0	0.00	-
30	Nagaland	0	0.00	-
31	Goa	0	0.00	-
32	Dadra & Nagar Haveli (UT)	0	0.00	-
33	Daman and Diu (UT)	0	0.00	-
34	Lakshadweep (UT)	0	0.00	-
35	Andaman & Nicobar (UT)	0	0.00	-
36	Ladakh (UT)	0	0.00	-
37	Jammu & Kashmir (UT)	0	0.00	-
Total		289	100.00	26

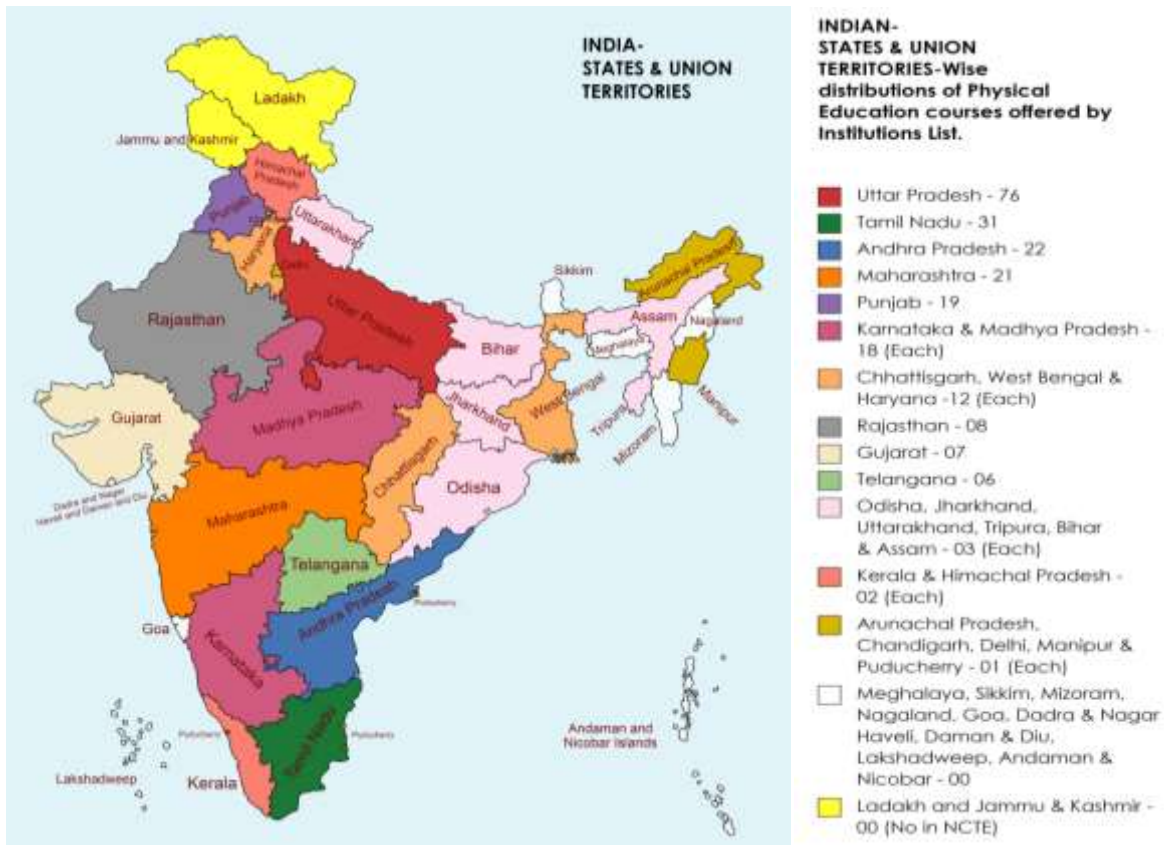


Figure 1 States and union territories wise distribution of recognized Physical Education courses offered by Institutions in India.

The data represents the number of institutions offering NCTE-recognised Physical Education courses in India, categorised by state/union territory, and presented in terms of the number of institutions, percentage, and rank.

There are 289 institutions in India offering NCTE-recognised Physical Education courses. Uttar Pradesh has the highest number of such institutions 76 (26.30 percent), followed by Tamil Nadu 31 (10.73 percent), Andhra Pradesh 22 (7.61 percent), Maharashtra 21 (7.27 percent), and Punjab 19 (6.57 percent). These five states together account for more than half (57.5 percent) of the total institutions offering Physical Education courses in India.

The data also highlights that a large proportion of states have a low number of institutions offering NCTE-recognised Physical Education courses, with 6 states having only 3 institutions each. Moreover, 5 states have no institutions offering such courses.

The next concept of this study is the analysis of institutional management. Generally, in India, there are seven types of management. Among the deemed-to-be universities, management should be considered as private management. Therefore, a total of six types of management have been formulated for this study. Below are the institution management types categorized by states and union territories, along with NCTE-recognized Physical Education courses offered by institutions in India

Table 2 Institutions management, states, and union territories wise recognised Physical Education courses offered by institutions in India.

S.No	Name of the State & Union Territory	Number of Institution	Percentage	Rank
1	Private Management College			
1	Uttar Pradesh	57	31.32	1
2	Tamil Nadu	17	9.34	2

3	Maharashtra	17	9.34	2
4	Andhra Pradesh	16	8.79	4
5	Karnataka	12	6.59	5
6	Punjab	10	5.49	6
7	Haryana	10	5.49	6
8	Madhya Pradesh	9	4.95	8
9	Chhattisgarh	6	3.30	9
10	Rajasthan	5	2.75	10
11	West Bengal	4	2.20	11
12	Telangana	4	2.20	11
13	Bihar	3	1.65	13
14	Orissa	3	1.65	13
15	Gujarat	3	1.65	13
16	Jharkhand	2	1.10	16
17	Himachal Pradesh	2	1.10	16
18	Uttarakhand	1	0.55	18
19	Kerala	1	0.55	18
Total		182	100.00	19
2	State Management University			
1	Uttar Pradesh	8	16.67	1
2	Tamil Nadu	7	14.58	2
3	Andhra Pradesh	6	12.50	3
4	Karnataka	6	12.50	3
5	Maharashtra	4	8.33	5
6	Madhya Pradesh	4	8.33	5
7	West Bengal	3	6.25	7
8	Haryana	2	4.17	8
9	Telangana	2	4.17	8
10	Gujarat	2	4.17	8
11	Assam	2	4.17	8
12	Chhattisgarh	1	2.08	12
13	Chandigarh	1	2.08	12
Total		48	100.00	13
3	Private Management University			
1	Punjab	6	20.69	1
2	Madhya Pradesh	5	17.24	2
3	Uttar Pradesh	4	13.79	3
4	Tamil Nadu	4	13.79	3
5	Rajasthan	3	10.34	5
6	Chhattisgarh	2	6.90	6
7	Gujarat	1	3.45	7
8	Jharkhand	1	3.45	7
9	Uttarakhand	1	3.45	7
10	Tripura	1	3.45	7
11	Assam	1	3.45	7
Total		29	100.00	11
4	Government Management College			
1	West Bengal	4	26.67	1
2	Punjab	3	20.00	2
3	Uttar Pradesh	2	13.33	3

4	Chhattisgarh	2	13.33	3
5	Gujarat	1	6.67	5
6	Tripura	1	6.67	5
7	Kerala	1	6.67	5
8	Delhi	1	6.67	5
Total		15	100.00	8
5	Central Management University			
1	Uttar Pradesh	3	30.00	1
2	West Bengal	1	10.00	2
3	Chhattisgarh	1	10.00	2
4	Tripura	1	10.00	2
5	Uttarakhand	1	10.00	2
6	Puducherry	1	10.00	2
7	Manipur	1	10.00	2
8	Arunachal Pradesh	1	10.00	2
Total		10	100.00	8
6	Government Aided Management College			
1	Tamil Nadu	3	60.00	1
2	Uttar Pradesh	2	40.00	2
Total		5	100.00	2
Over All Total		289	100.00	-

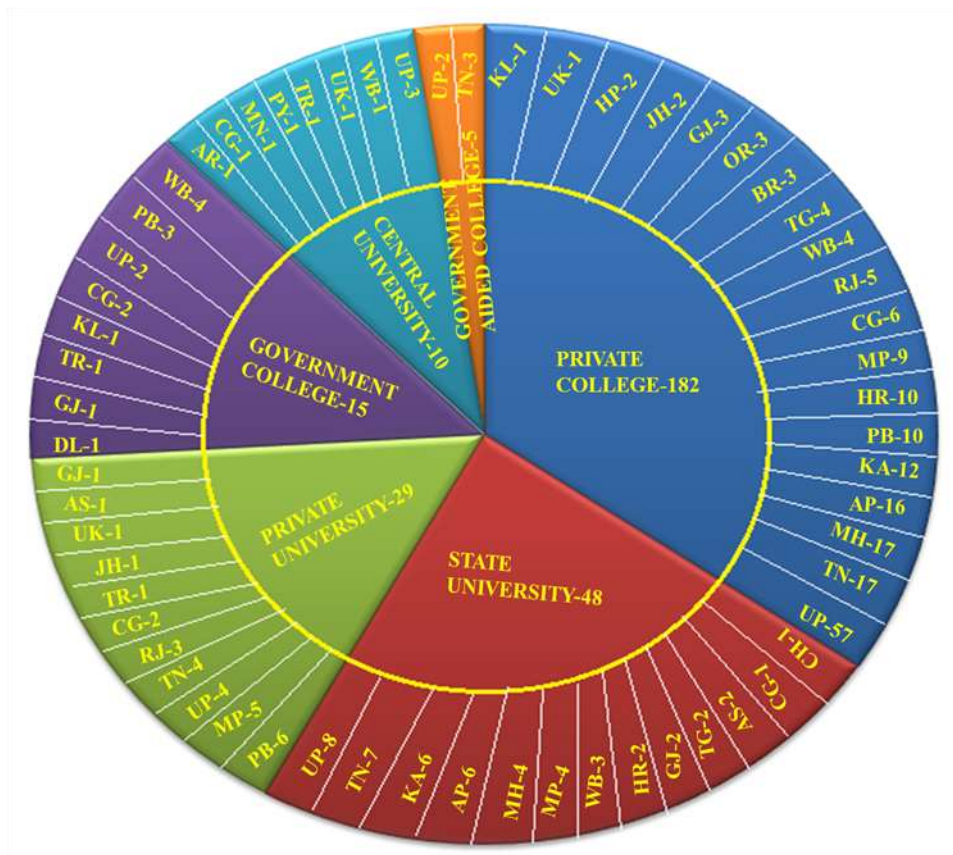


Figure 2 institutions management, States & Union territories wise distribution of recognized Physical Education courses offered by institutions of India.

From the Table 2 and Figure 2 observed that, the management-wise distributions of recognized 289 Physical Education courses offered by single faculty profile institutions and multi faculty profile institutions are given into single faculty profile institutions are 100 and 189 multi faculty profile

institutions in India. Generally, six types of management institutions in the education sector of NCTE in India among Private Management College has been 182 (62.97 percent) institutions and being first position. The State Management University is second position with 48 (16.60 percent) institutions. The Private Management University is third position with 29 (10.03 percent) institutions. The Government management college is fourth position with 15 (percent) institutions. The Central management university is fifth position with 10 (percent) institutions and the Government aided Management College is last position with 5 (percent) institutions.

The Private Management College wise, The Uttar Pradesh has been 57 (31.32 percent) institutions and being first positions among all states of India followed by The Tamil Nadu and Maharashtra shared second positions with 17 (9.34 percent) institutions each respectively and the Andhra Pradesh has been 16 (8.79 percent) and being fourth position. The State Management University wise, The Uttar Pradesh has been 8 (16.67 percent) institutions and being first positions among all states of India followed by The Tamil Nadu has been 7 (14.58 percent) institutions and being second position and the Andhra Pradesh and Karnataka shared third positions with 6 (12.50 percent) each respectively. The Private Management University wise, the Punjab has been 06 (20.69 percent) institutions and being first position and the Madhya Pradesh has been 05 (17.24 percent) institutions and being second position and the Uttar Pradesh and Tamil Nadu have been 04 (13.79 percent) institutions each respectively and sharing third positions. Government management college wise, The West Bengal has been 04 (26.67 percent) institutions and being first position and the Punjab has been 03 (20.00 percent) institutions and being second position and the Uttar Pradesh and Chhattisgarh have been 02 (13.33 percent) institutions each respectively and sharing third positions. Central management university wise, The Uttar Pradesh has been 03 (30.00 percent) institutions and being first position and the West Bengal, Chhattisgarh, Tripura, Uttarakhand, Puducherry, Manipur and Arunachal Pradesh have been 01 (10.00 percent) institutions each respectively and sharing second positions. Government aided Management College wise; the Tamil Nadu has been 03 (60.00 percent) institutions and being first position and the Uttar Pradesh has been 02 (40.00 percent) institutions and being second position.

Major Findings

- 1) Uttar Pradesh has the highest number of NCTE-recognized Physical Education courses offered by institutions, followed by Tamil Nadu in second position. Twenty-three states have institutions offering these courses, and three union territories also have such institutions. Five states and six union territories have no institutions offering these courses.
- 2) In terms of institution management, private management colleges hold the top position. Among universities, state management universities are at the top, while Government Aided Management Colleges are in the last position.

3. Conclusion and future scope

Uttar Pradesh has 76 institutions, which is significantly higher compared to other states. Five states and six union territories do not have a single institution.

In terms of institution management, private management colleges have 182 institutions, while Government Aided Management Colleges have only five.

Recommendation Of The Study

- 1) Five states and six union territories do not have a single institution, causing students from these areas to face difficulties if they are interested in studying Physical Education courses (D.P.Ed, B.P.Ed, M.P.Ed). This study strongly recommends that institutions be established in these regions.
- 2) In terms of institution management, private management colleges dominate over central and state government management institutions. Therefore, this study strongly recommends that both the

central and state governments increase the number of institutions in the five states and six union territories.

Abbreviations

St/Ut-State/Union Territory, Mgt-Management, Rgn-Region, Estd-Establishment, TN-Tamil Nadu, AS-Assam, AP-Andhra Pradesh, KA-Karnataka, TG-Telangana, KL-Kerala, BR-Bihar, OR-Orissa, TR-Tripura, WB-West Bengal, JH-Jharkhand, GJ-Gujarat, CG-Chhattisgarh, RJ-Rajasthan, MH-Maharashtra, MP-Madhya Pradesh, DL-Delhi, PB- Punjab, MN-Manipur, HR-Haryana, AR-Arunachal Pradesh, CH-Chandigarh, HP-Himachal Pradesh, PY-Puducherry, UK-Uttarakhand, UP-Uttar Pradesh, CU- Central University, SU-State University, DU- Deemed to be University, PU- Private University, GC- Government College, GD- Government Aided College and PT- Private College.

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