

# Analysis Of Physical Education Institutions In India

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## Abstract

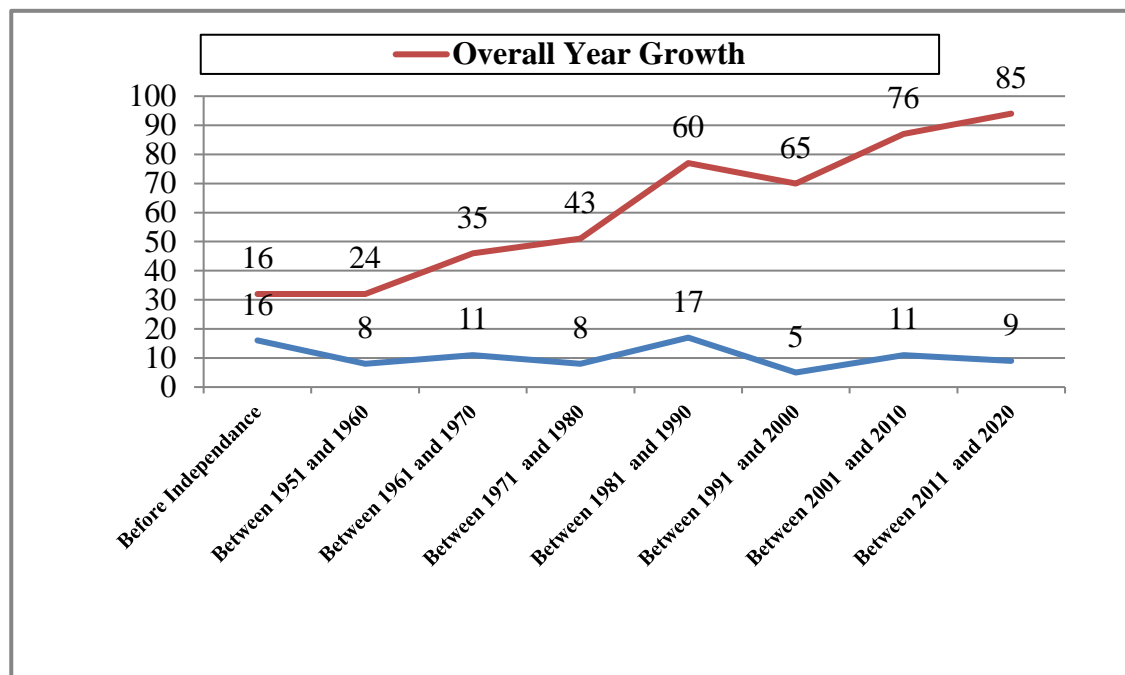
The paper was to analysis the websites of NCTE recognized Physical Education courses, offered by Universities of India. The paper investigates such as the website page size (in bytes) and the Number of Web Pages, Total Links, Self Links, External Links and Back link or Incoming Links and the data were calculated as Simple Links Web Impact Factor, Self-Links Web Impact Factor, External Links Web Impact Factor and Revised Web Impact Factor, ranking To 85 websites of recognized Physical Education courses, offered by Universities of NCTE. Pearson correlation coefficient (r) was used to establish the association or closeness in ranking based on SWIF and R-WIF. Also this study SocSciBot 4.0 has been used for created link topology. The study revealed the four main aspect that the 1) Simple Web Impact Factor (Website Quality), Sai Nath University-Ranchi was the first position with 64.8750 SWIF 2) Revised Web Impact Factor (Website Popularity), Bharathiar University-Coimbatore was the first position with 671.9590 is RWIF 3) Pearson correlation coefficient (r) value is  $r = 0.02$ , which means 'Very Weak Positive Correlation' among Universities 4) Link Topology, are not well connected among Universities of NCTE.

**Keywords:** Webometric, Physical Education Websites, Link Analysis, Web Impact Factors.

## INTRODUCTION

The World Wide Web (WWW) is plays an important role in the modern world especially in academic sector. Website is important for educational institutions for their advertisements. Presently, According to (UGC, 2022) 1022 Universities in India into the state universities-443, deemed to be universities-126, Central universities-54 and private universities- 399 among 85 (8.32%) Universities offered the NCTE recognized Physical Education courses in India. The Indian education system is The Physical Education department is inbuilt part, but for other departments, are start is must get separate approval from concern department of Indian government.

Webometric analysis is one of the well-known methods, used by practioners of information science to analyse websites. The term, webometrics, was coined by (Thomas, et al., 1977). (Bojorneborne and Ingwersen, 2004) defined it as "the study of quantitative aspects of the construction and the use of information resources, structure and technologies on the World Wide Web, drawing on informetric and bibliometric approaches". Webometrics is divided the four primary areas such as the 1.Web page content analysis 2.Web link structure analysis 3.Web usage analysis and 4.Web technology analysis. Particularly, in this study focus on link analysis of NCTE recognized Physical Education courses offered Universities in India and their Website.



**Figure 1. Classification of recognized Physical Education courses offered Universities of India by year of their establishment**

Figure 1, depicts the year of establishment of 85 Physical Education courses offered Universities in India. There was a phenomenal growth during 1981-1990; nearly 17 (20 per cent) Universities were established during this period also noted that the Before Independence of India 16 (18.82 per cent) Universities were established. Mumbai

University-Mumbai in Maharashtra of West region was the first state university established in 1857. In the last 20 years, about 21 Universities have been established, which reflects the growth of higher education in India.

NCTE has been divided into four regions 1) Eastern Regional Committee (ERC) 2) Western Regional Committee (WRC) 3) Northern Regional Committee (NRC) and 4) Southern Regional Committee (SRC). Figure 2 shows the Regional committee-wise distribution of 85 Physical Education courses offered Universities in India.

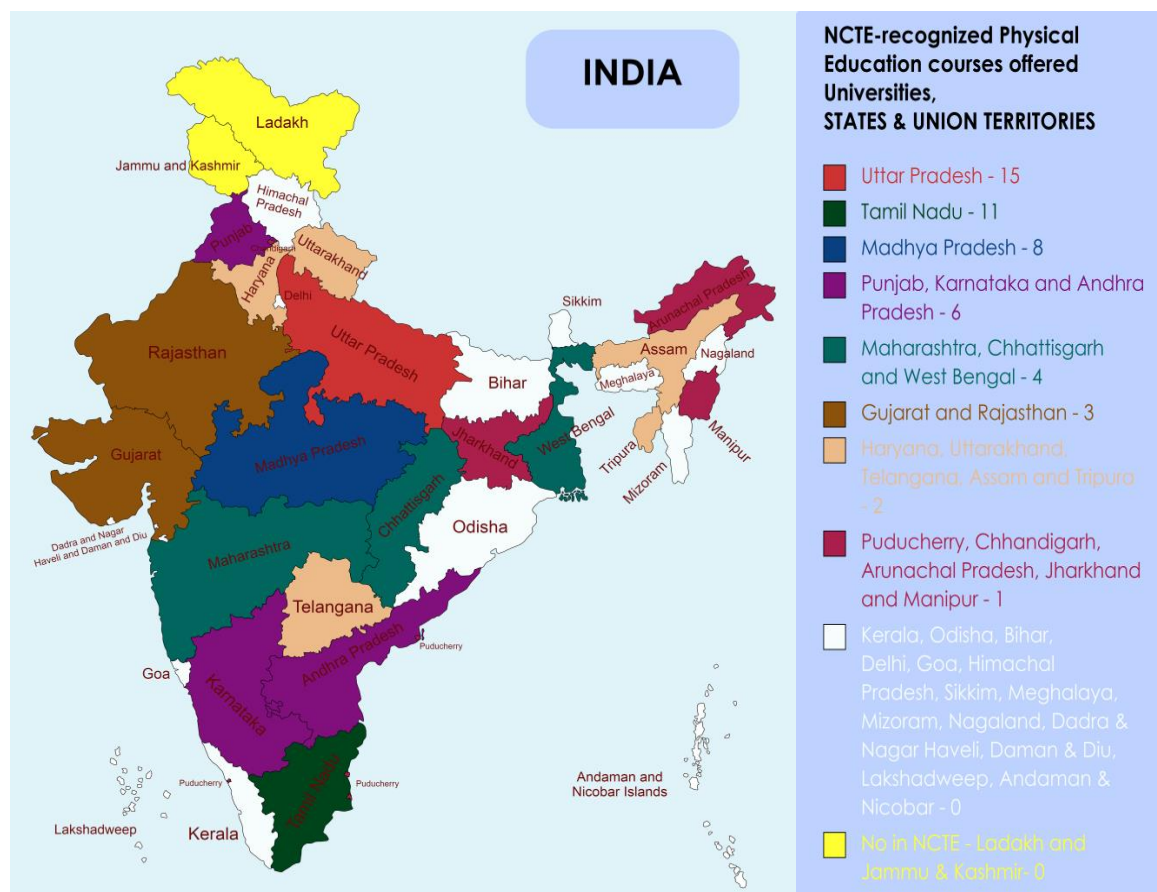
**NCTE REGIONS OF INDIA -  
recognized Physical  
Education courses offered  
Universities**

- South Region - Tamil Nadu, Andhra Pradesh, Karnataka, Lakshadweep, Puducherry, Kerala, Andaman & Nicobar and Telangana - 26
- East Region - Arunachal Pradesh, Manipur, Odisha, Assam, Meghalaya, Sikkim, Bihar, Mizoram, Tripura, Jharkhand, Nagaland and West Bengal - 11
- West Region - Gujarat, Goa, Maharashtra, Chhattisgarh, Dadra Nagar Haveli, Madhya Pradesh, Rajasthan and Daman and Diu - 22
- North Region - Chandigarh, Himachal Pradesh, Uttar Pradesh, Delhi, Punjab, Uttarakhand and Haryana - 26
- No in NCTE - Ladakh and Jammu & Kashmir - 0

**Figure 2. NCTE Regional committee-wise distribution of Physical Education courses offered Universities in India**

The NCTE Regional committee-wise distribution of recognized Physical Education courses offered Universities in India is given in Figure 2. While South Region and North Region have the maximum number of 26 (30.59 percent) each respectively, followed by West Region have 22 (25.88 percent) and East Region have 11 (12.94 percent). The NCTE

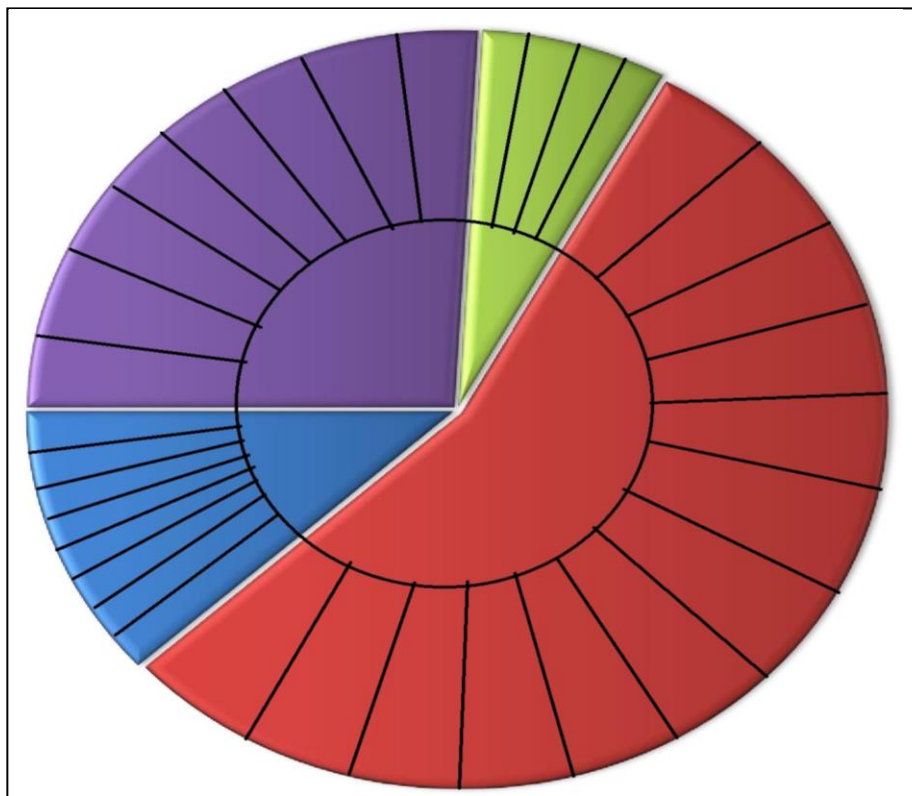
members are 28 states 8 union territories and the Jammu and Kashmir is also union territory of India but officially not included in NCTE so as per official website of NCTE and a totally 35 entities. Odisha, Meghalaya, Mizoram, Nagaland, Sikkim, Lakshadweep, Dadar & Nagar haveli, Daman & Diu, Andaman & Nicobar do not have any department for Physical Education in Universities. The NCTE recognized seventeen programmes including C.P.Ed, D.P.Ed, B.P.Ed, M.P.Ed. in Physical Education (NCTE, 2022).



**Figure 3. State-wise distribution of NCTE Recognized Physical Education courses offered Universities in India**

The distribution of recognized Physical Education courses offered Universities in India is given in Figure 3. Almost all the Indian States and Union Territories have established at least one university. While Uttar Pradesh have the maximum of 15 (17.65 percent) universities, Tamil Nadu has 11 (12.94 percent) followed by

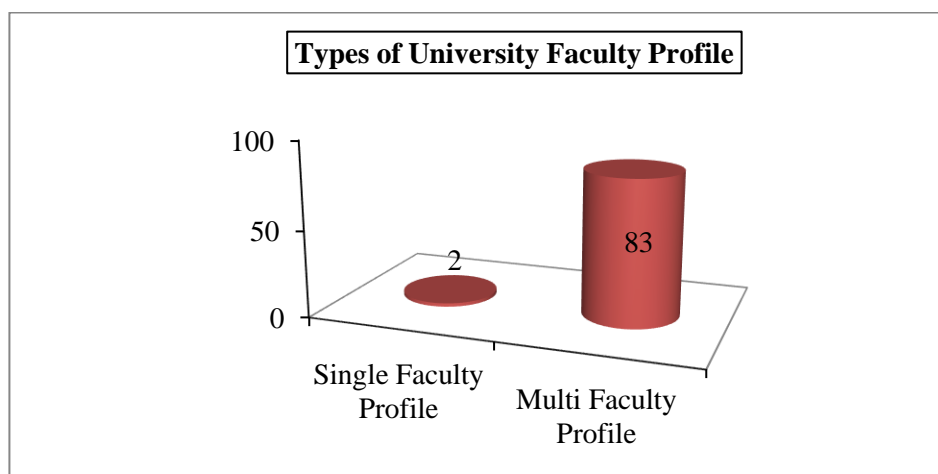
Madhya Pradesh have 8 (9.41 percent) universities, Andhra Pradesh, Punjab, Karnataka have 6 each (7.06 percent) Universities each, Chhattisgarh, Maharashtra, West Bengal have 4 (4.71 percent) Universities each, Gujarat, Rajasthan have 3 (3.53 percent) Universities each, Haryana, Uttarakhand, Telangana, Assam, Tripura have 2 (2.35 percent) Universities each and remaining 5 States with one (1.18 percent) university each.



**Figure 4. Management-wise distribution of NCTE Recognized Physical Education courses offered Universities in India**

The management-wise distribution of recognized Physical Education courses offered Universities in India is given in Figure 4. While

state government funded Universities have the maximum number of 47 (55.29 percent), followed by Private management funded Universities have 22 (25.88 percent), Central government funded Universities have 10 (11.76 percent) and deemed to be Universities have 06 (7.05 percent).



**Figure 5. Faculty Profile-wise distribution of NCTE Recognized Physical Education courses offered Universities in India.**

The faculty profile-wise distribution of recognized Physical Education courses offered Universities in India is given in Figure 5. While Multi Faculty Profile Universities have the

maximum number of 83 (97.65 percent) and single faculty profile Universities have 2 (2.35 percent)

Also noted in this concept, at present nine, single faculty profile Universities have in India. Which mean exclusive Universities for 'Physical Education and sports' among these, the Lakshmibai National Institute of Physical

Education (LNIPE), Gwalior and Tamil Nadu Physical Education and Sports University (TNPE&SU), Chennai was analyzed part of in

this study and other than the exclusive Universities for Physical Education and Sports, details given below table-1.

**Table 1. Status of Exclusive Universities for ‘Physical Education and Sports’ in India.**

S. No	University Name & Place	Short Name	ST / UT	MGT	RGN	ESTD	Website address
1	National Sports University-Imphal	NSU	MN	CU	East Region	2018	<a href="https://www.nsu.ac.in">https://www.nsu.ac.in</a>
2	Sri Sri Aniruddhadeva Sports University-Dibrugarh	SSASU	AS	SU		2020	<a href="https://www.sas.ac.in">https://www.sas.ac.in</a>
3	Swarnim Gujarat Sports University-Gandhinagar	SGPU	GJ	SU	West Region	2011	<a href="https://sgsu.gujarat.gov.in">https://sgsu.gujarat.gov.in</a>
4	Rajasthan Sports University-Jhunjhunu	RSU	RJ	SU		2013	-
5	The Maharaja Bhupinder Singh Punjab Sports University-Patiala	MBSPSU	PJ	SU	North Region	2019	<a href="http://mbpspu.ac.in">http://mbpspu.ac.in</a>
6	Sports University of Haryana-Sonipat	SUH	HR	SU		2019	-
7	Delhi Sports University-Ghevra	DSU	DL	SU		2021	-

Observed and Explanation of this table-1, the National Sports University (NSU)-Imphal is only the central government fully funded and managed university in India but NSU do not have NCTE recognized courses of physical education department. The NSU ran sports coaching related courses only. The Sri Sri Aniruddhadeva Sports University-Dibrugarh and Swarnim Gujarat Sports University-Gandhinagar and The Maharaja Bhupinder Singh Punjab Sports University-Patiala of websites were not working, during the analyzed time of this paper. The Rajasthan Sports University-Jhunjhunu, Sports University of Haryana-Sonipat and Delhi Sports University-Ghevra were do not have website address.

## LITERATURE REVIEW

(Almind and Ingwersen, 1997) this paper is introduced the use of informatics techniques on the World Wide Web and a variety of specialized informetric analysis parameters are

described. The analysis of the study part is the proportion of the WWW in Denmark is compared to other Nordic countries. A result of the study is shows that that Denmark lags far behind other Nordic countries in terms of net visual science and its position in the databases.

(Rodriguez and Gairin, 1997) measured web citation analysis and the Impact assessment of information on the Internet with used AltaVista.

(Smith, 1999) Attempted to broaden the concept of impact factors for web-based resources base by leveraging the power of search engines to cover other domains on the Internet. A survey was conducted to test the coverage of search engines for calculating WIF, which was discovered to be highly uneven at times and leads to misleading calculations.

(Smith and Thelwall 2002) Web Impact Factors (WIFs) for Australian Universities had been calculated using a specifically made crawler and the Altavista search engine in this study. Links among

Universities in the United Kingdom, Australia, and New Zealand had been expressed. The number of pages on the site, as well as the number of academic staff members, was used to determine the size of the universities. In evaluating link counts, there is a strong correlation between the crawler and Altavista. The WIFs do not appear to be well correlated with traditional measures of research output.

(Jalal et al., 2010) Examined the efficacy and relevance of web impact factors (WIFs) for Indian university websites. Examines the web impact factor in terms of how this link-based metric is developed and applied. The results show that all NITs are closely linked in the topology structure functions, because while nodes are not significantly linked in the case of Universities of the state and central.

(Babu et al., 2010) This study looks at the websites of 40 Indian central universities. Examines website domain systems, analyses the number of webpages and link pages, and computes the SWIF, SLWIF, ELWIF and RWIF for Central Universities in India, ranking the websites according to the WIF. This study also creates a novel network diagram that depicts link structures between web nodes.

(Thelwall, 2002) This paper presented an analysis of which domain is the best possible domain to count backlinks from. WIFs for British Universities assessed from various source domains, primarily the .edu, .uk, .ac and .uk domains, as well as the entire web, are compared. The findings show that all four areas produce WIFs that strongly correlate with research ratings, but none produce indisputable superior figures.

(Bakkiyaraj, 2017) analyzed the websites of Physical Education and Sports Universities in India, used the SimilarWeb Limited software and Cybermetrics Lab ranking. The result exposed that LNIPE website had received superior ranking in traffic and visit by viewers.

(Hnamte and Ngurtinkhuma, 2021) This study examined National Medical Council in North-eastern states of India of 7 medical colleges. The study analysis the domain and page authority and relationships of WIFs. The study result indicates the overall positive relationship between R-WIF and WIF.

## OBJECTIVES OF THE STUDY

The main objective of the paper was to analyses the websites of NCTE recognized Physical Education courses offered by Universities in India.

1. To study the types of top-level domain of NCTE recognized website of Physical Education courses offered Universities.
2. To assess the web-based indicators such as the domain size in bytes, total number of webpages, total number of links, number of self-links, number of external links, and number of incoming links of NCTE recognized websites of Physical Education courses offered universities.
3. To calculate Simple links WIF (Web Impact Factor), Self-links WIF, External links WIF and Revised WIF.
4. To rank, NCTE recognized website of Physical Education courses offered Universities' is based on the SWIF (website quality) and RWIF (website popularity).
5. To establish the Pearson correlation coefficient between R-WIF (Website Popularity) and SWIF (Website Quality) of NCTE recognized websites of Physical Education courses offered universities.
6. To generate a link topology among all the NCTE recognized websites of Physical Education courses offered Universities.

## METHODOLOGY

For this study, data of the National Council Teacher Education (NCTE) recognized Physical Education courses offered by Universities and their official website address collected from NCTE-official website (<https://ncte.gov.in/website/index.aspx/>), on May, 2022. 85 NCTE recognized websites of Physical Education courses, offered by Universities were considered for the webometric analysis study. An observation method was used to conduct this research work. Each website was cross verified by the investigators through online search. Quantitative analysis of the study indicators list and online software for data extracting purpose details are mentioned in the below Table 2.

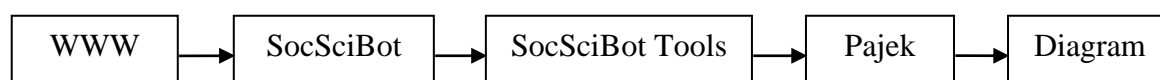
**Table No -2 List of Web-based indicators, Software and Website Address**

S.No.	Web-based indicators	Software	Website Address
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1	Site Page size (in bytes)	Small SEO Tools	<a href="https://smallseo.tools/">https://smallseo.tools/</a>
2	Number of Web Pages (NWP)		
3	Total Links (TLs)	WebConfs.com	<a href="https://www.webconfs.com">https://www.webconfs.com</a>
4	Self Links (SLs)		
5	External Links (ELs)		
6	Back Link or Incoming Links (ILs)	ahrefs	<a href="https://ahrefs.com">https://ahrefs.com</a>

Small SEO tools, WebConfs.com and ahrefs were provided comprehensive details, about website page size (in bytes) and the Number of Web Pages (NWP), Total Links (TLs), Self Links (SLs), External Links (ELs) and Back link or incoming links (ILs) of all 85 Universities taken up for the study. Simple calculation method was used for this study and to rank is based on simple links web impact factor (SWIF), self-links web impact factor (SLWIF), external links web impact factor (ELWIF) and revised web impact factor (R-WIF).

VassarStats online Statistics software (<http://vassarstats.net>) -Pearson correlation coefficient (r) was used to establish the association or closeness in ranking based on SWIF and R-WIF. SocSciBot 4.0 (<http://socscibot.wlv.ac.uk/>) has been used for this study, in addition to find out a microstructure of web relationships within websites. Another tool, used for visualization of links relationship, is Pajek3.1. This powerful visualization tool is embedded with SocSciBot. The information flow for visualizing the network diagram can be explained as in Figure 6.



**Figure. 6 - Information flows for building the network diagram.**

### Web Impact Factor

Web Impact Factor (WIF) is a measure of the standard number of webpage on web in a website, which has been linked, at a give point in time (Noruzi, 2006).

### Four types of Web Impact Factors and Calculation Method.

#### 1. The Simple Web Impact Factor

$$\frac{\text{Total Links}}{\text{Total web pages}} = \text{SWIF}$$

The ratio of all links means the number of pages of internal external links.

#### 2. The Self Web Impact Factor

Total Self-Links

$$\frac{\text{Total Self-Links}}{\text{Total web pages}} = \text{SLWIF}$$

Total web pages

The ratio of self link is number of page within a site.

#### 3. The External Web Impact Factor

$$\frac{\text{Total External Links}}{\text{Total web pages}} = \text{ELWIF}$$

Total web pages

The ratio of link made from external sites to the target site, to the number of page at a site.

#### 4. The Revised Web Impact Factor

$$\frac{\text{Total In-Links}}{\text{Total web pages}} = \text{R-WIF}$$

Total web pages

The ratio of R-WIF is number of links of a particular site received from other sites.



This is the calculation method of Web Impact Factor (Ingwersen, 1998).

### Top-Level Domain, Webpage and Webpage size

A domain name is a text form of the IP address is alternative series of digits in computer. It was created by ARPANET (Halvorson, et al. 2012).

A webpage is a "page" of the World Wide Web, generally in HTML format and with hypertext link, to enable navigation from one page to another page (Zhu, et al. 2007).

Webpage is the size of Specific Uniform Resource Locator (URL) (Jalal, et al. 2010).

### DATA ANALYSIS AND INTERPRETATION

Distinctive analyses of information with interpretations had been offered on this segment. The information amassed from numerous internet resources is quantitatively analyzed to fulfill the objectives. Information was systematically categorized, tabulated, analyzed and interpreted within the following way.

**Table 3: Domain-wise distribution of Websites**

Sl. No	Types of Top-Level Domain	Total Domain	Percentage of Domain	Rank
1.	.ac.in	58	68.24	1
2.	edu.in	10	11.76	2
3.	.in	5	5.88	3
4.	.org	4	4.71	4
5.	.com	3	3.53	5
6.	.co.in	2	2.35	6
7.	.edu	2	2.35	6
8.	.org.in	1	1.78	8
<b>Total</b>		<b>85</b>	<b>100</b>	<b>8</b>

Table 3 shows that the .ac.in occupied the first position among top-level domains with 58 (68.24%) and second position was secured by edu.in, with 10 (11.76%). The third position was secured by .in with 5 (5.88%). and the fourth position was secured by .org with 4

(4.71%). The fifth position was secured by .com with 3 (3.53%). .co.in and .edu occupied the sixth position with 2 (2.35%) each and remain domain of .org.in was secured last position with 1 (1.78%). There were 8 types of domains and entitles of 85 websites in NCTE.

**Table No – 4 Status of Web page size, Number of web pages, Total links, Self links, External links, Back links of Physical Education Courses offered by Universities in NCTE of India.**

S. No	University Short Name & Place	Page Size in kb	Number of Web Pages	Total Links	Internal Links	External Links	Back Links
1	MGKV-Varanasi	0	7270	0	0	0	20522
2	HNGU-Patan	1240	672	0	0	0	68272
3	CCSU-Meerut	5725	3610	3	1	2	86403
4	RMVU-Coimbatore	13585	6120	160	99	61	1479389
5	SVNU-Sagar	18231	508	0	0	0	1200
6	PU-Mohali	21212	177	75	26	49	25548
7	BNU-Udaipur	21950	1120	63	55	8	6000
8	SU-Rajkot	25632	368	10	7	3	9023

9	MSU-Tirunelveli	39432	4040	85	69	16	246472
10	GU-Kalaburagi	41153	18	275	250	25	5961
11	GU-Ahmedabad	42949	1890	161	121	40	19655
12	JU-Gwalior	47157	48900	87	67	20	30672
13	APSU-Rewa	47402	388	116	95	21	9838
14	TU-Ganganagar	48225	1070	102	81	21	3999
15	SRTMU-Nanded	55065	25900	232	211	21	78314
16	SPMV-Chittoor	56261	1390	123	115	8	9599
17	ANU- Guntur	60617	3970	117	103	14	55636
18	TNPESU-Chennai	63066	470	41	40	1	145900
19	SRM-Chennai	64374	9220	96	37	59	616391
20	AKNU-Rajahmundry	64769	1280	76	68	8	13611
21	BU-Jhansi	64855	1190	193	147	46	8025
22	SBBSU-Khiala	64921	519	164	151	13	820
23	DR.BAU-Agra	66318	534	113	53	60	11935
24	ANU-Chidambaram	71304	10900	132	121	11	161711
25	BU-Coimbatore	74171	488	161	121	40	327916
26	AMU-Aligarh	75508	26500	178	156	22	82357
27	VMU-Salem	75525	1910	105	100	5	58637
28	MU-Mangalagangotri	78754	13400	180	151	98	32468
29	AU-Visakhapatnam	80757	1840	222	189	33	20335
30	UA-Prayagraj	80830	3060	1	0	10	34834
31	UL-Lucknow	81565	13000	300	234	66	108640
32	KU-Shankaraghatta	83795	779	98	81	17	9037
33	SKU-Anantapur	87665	438	149	127	22	3143
34	MU-Mysuru	92530	3040	154	132	22	336323
35	MU-Pindwara	92775	912	68	55	13	6775
36	DU-Chittoor	93791	2500	132	128	4	15289
37	BU-Bhopal	94211	2590	128	101	27	16508
38	DAV-Indore	95528	8560	164	98	66	137130
39	SGGSWU-Fatehgarh Sahib	96763	239	132	123	9	85524
40	KU-Khammam	98985	3480	201	186	15	412619
41	DU-Jalandhar	104714	3770	200	178	22	65405
42	GKU-Haridwar	108444	1020	0	0	0	9931
43	AU-Karaikudi	110484	2940	219	186	33	306537
44	OU-Hyderabad	113856	7980	171	141	29	168708
45	CDLU-Sirsa	116560	5270	160	150	10	8556
46	PRSU-Raipur	123224	1680	42	41	1	13580
47	SGBAU-Amravati	130833	3900	214	175	39	62740
48	AUW-Coimbatore	132190	297	148	127	21	12013
49	BDU-Tiruchirapalli	132957	10200	290	270	20	953911
50	HNBGU-Srinagar	133205	13100	216	206	10	34789
51	KU-Raipur	140953	1800	130	117	13	15608
52	RTU-Bhojpur	142717	757	196	168	28	3740
53	KSWU-Vijayapura	143329	766	353	142	211	5545
54	MU-Mandsaur	156565	5340	177	171	6	25972
55	ITMU-Gwalior	172813	3161	110	89	21	17923
56	GGV-Bilaspur	181983	2470	405	382	23	26784
57	BHU-Varanasi	189427	15400	624	602	22	143611
58	LPU-Phagwara	193436	2580	305	192	113	101046
59	GKU-Talwandi Sabo	196179	381	156	80	76	2545
60	MATS-Raipur	197823	2070	277	244	33	314592
61	BANU-Bengaluru	210849	3470	148	109	39	149438

62	DR.RLAU-Ayodhya	215556	1420	176	132	44	23244
63	PU-Pondicherry	223052	3680	71	70	1	2164204
64	CU-Ajitgarh	228049	1550	193	167	26	665456
65	MU-Mumbai	237843	61400	345	260	85	231457
66	Dr.BAMU-Aurangabad	243040	6500	214	179	35	19835
67	TMU-Moradabad	265058	1950	267	253	14	8434
68	AU-Noida	288738	51000	371	323	48	213331
69	SVSU-Meerut	358576	566	163	125	38	3790
70	KU-Kurukshetra	369789	47900	718	705	13	112991
71	CSMU-Kanpur	405018	2190	147	123	24	3136
72	MKU-Madurai	521271	13300	260	225	35	355760
73	KU- Nadia	579278	1200	45152	6	6	45140
74	BBDU-Lucknow	619097	5570	150	125	25	25905
75	DU- Dibrugarh	658808	29000	622754	425	19	622310
76	MU- Imphal	658812	2790	12803	310	31	12462
77	BU- Burdwan	658813	6660	55687	257	9	55421
78	VBU- Santiniketan	933740	11800	11617	2013	12	9592
79	JU- Kolkata	103545 9	10600	55188	240	35	54913
80	LNIPe- Guwahati	119915 9	3160	3129	124	15	2990
81	RGU- Doimukh	164900 0	6800	40447	269	5	40173
82	SHUATS-Allahabad	208193 8	1860	177	55	122	18853
83	SNU- Ranchi	301633 2	88	5709	178	6	5525
84	TU- Agartala	304035 3	4230	53629	431	24	53174
85	ICFAI- Kamalghat	491400 0	1200	10826	343	30	10453

Observed from the Table 4, Page Size in kilo byte, Hemchandracharya North Gujrat University-Patan was first position with 1240, followed by Chaudhary Charan Singh University-Meerut was second position with 5725 and Ramakrishna Mission Vivekananda University-Coimbatore was third position with 13585. Goggle indexed Webpages, Mumbai University-Mumbai was first position with 61400, followed by Amity University-Noida was second position with 51000 and Jiwaji University-Gwalior was third position with 48900. Total Links, Dibrugarh University-Dibrugarh was first position with 622754, followed by The University of Burdwan-Burdwan was second position with 55687, Jadavpur University-Kolkata was third position with 55188. Internal Links, Visva-Bharati University-Santiniketan was first position with 2013, followed by Kurukshetra University-

Kurukshetra was second position with 705 and Banaras Hindu University-Varanasi was third position with 602. External Links, Karnataka State Women'S University-Vijayapura was first position with 211, followed by The Sam Higginbottom University of Agriculture, Technology and Sciences-Allahabad was second position with 122 and Lovely Professional University-Phagwara was third position with 113. Back Links, Pondicherry University-Pondicherry was first position with 2164204, followed by Ramakrishna Mission Vivekananda University-Coimbatore was second position with 1479389 and Bharathidasan University -Tiruchirapalli was third position with 953911.

The website page size in kilobyte was lowest to maximum listed on this writing table because regarding page size is continually under 4MB, which internet site is loaded quick also SEO (Search Engine Optimization)

performance is always good on NET. Also noted the Mahatma Gandhi Kashi Vidyapith-Varanasi university website is not responding well to crawler, meaning consequences shown on this file can be incomplete, or faulty. It is

probably there is a firewall or different security mechanism in location stopping us viewing the content efficiently. Otherwise, all types of links in percentage were listed highest to lowest of values.

**Table 5: Status of simple web impact factor and rank, self link web impact factor and rank external link web impact factor and rank, revised web impact factor and rank of NCTE recognized physical education courses offered Universities website in India.**

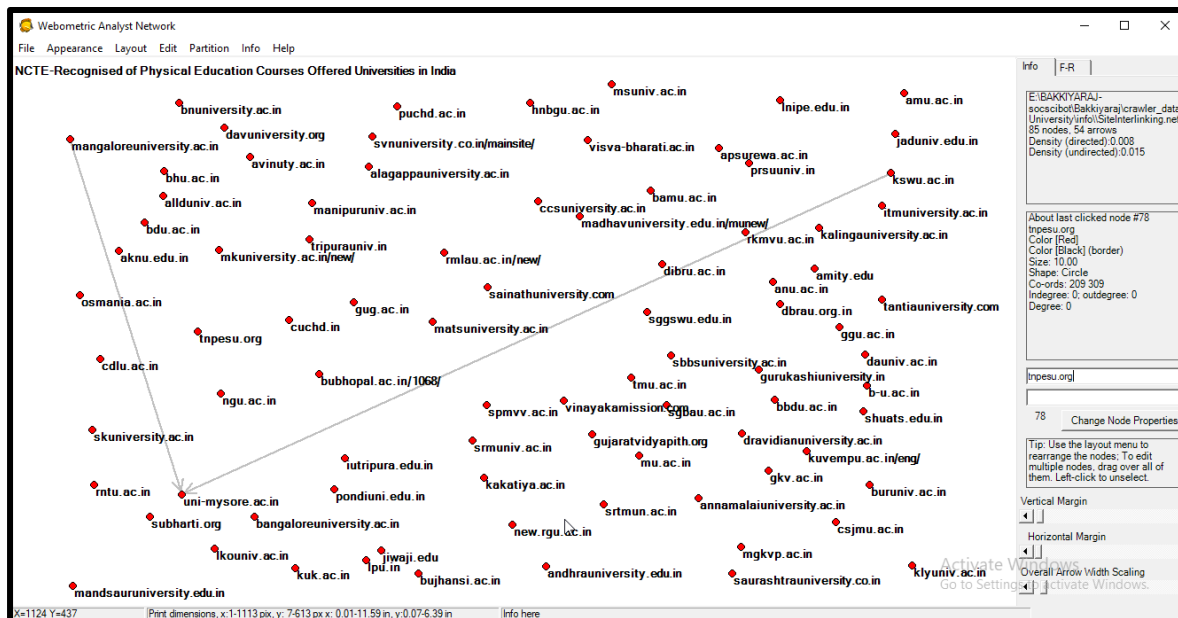
S. No	University Short Name & Place	SWIF	R a n k	SLWIF	R a n k	ELWIF	R a n k	RWIF	R a n k
1	BU-Coimbatore	0.3299	19	0.2480	8	0.0820	6	671.9590	1
2	PU-Pondicherry	0.0193	68	0.0190	61	0.0003	80	588.0989	2
3	CU-Ajitgarh	0.1245	30	0.1077	21	0.0168	24	429.3265	3
4	SGGSWU-Fatehgarh Sahib	0.5523	13	0.5146	3	0.0377	15	357.8410	4
5	GU-Kalaburagi	15.2778	4	13.8889	1	1.3889	1	331.1667	5
6	TNPESU-Chennai	0.0872	37	0.0851	27	0.0021	61	310.4255	6
7	RMVU-Coimbatore	0.0261	62	0.0162	66	0.0100	32	241.7302	7
8	MATS-Raipur	0.1338	28	0.1179	19	0.0159	25	151.9768	8
9	PU-Mohali	0.4237	16	0.1469	16	0.2768	2	144.3390	9
10	KU-Khammam	0.0578	44	0.0534	36	0.0043	53	118.5687	10
11	MU-Mysuru	0.0507	50	0.0434	43	0.0072	38	110.6326	11
12	AU-Karaikudi	0.0745	40	0.0633	33	0.0112	27	104.2643	12
13	HNGU-Patan	0.0000	82	0.0000	81	0.0000	82	101.5952	13
14	BDU-Tiruchirapalli	0.0284	59	0.0265	55	0.0020	62	93.5207	14
15	SRM-Chennai	0.0104	74	0.0040	78	0.0064	43	66.8537	15
16	SNU- Ranchi	64.8750	1	2.0227	2	0.0682	8	62.7841	16
17	MSU-Tirunelveli	0.0210	66	0.0171	64	0.0040	54	61.0079	17
18	BANU-Bengaluru	0.0427	52	0.0314	50	0.0112	27	43.0657	18
19	AUW-Coimbatore	0.4983	14	0.4276	4	0.0707	7	40.4478	19
20	LPU-Phagwara	0.1182	33	0.0744	30	0.0438	13	39.1651	20
21	KU- Nadia	37.6267	2	0.0050	76	0.0050	50	37.6167	21
22	VMU-Salem	0.0550	46	0.0524	38	0.0026	59	30.7000	22
23	MKU-Madurai	0.0195	67	0.0169	65	0.0026	59	26.7489	23
24	APSU-Rewa	0.2990	21	0.2448	9	0.0541	11	25.3557	24
25	SU-Rajkot	0.0272	60	0.0190	60	0.0082	35	24.5190	25
26	CCSU-Meerut	0.0008	80	0.0003	80	0.0006	77	23.9343	26
27	DR.BAU-Agra	0.2116	24	0.0993	25	0.1124	5	22.3502	27
28	DU- Dibrugarh	21.4743	3	0.0147	68	0.0007	75	21.4590	28
29	OU-Hyderabad	0.0214	65	0.0177	63	0.0036	55	21.1414	29

30	DU-Jalandhar	0.0531	48	0.0472	41	0.0058	45	17.3488	30
31	DR.RLAU-Ayodhya	0.1239	31	0.0930	26	0.0310	17	16.3690	31
32	SGBAU-Amravati	0.0549	47	0.0449	42	0.0100	32	16.0872	32
33	DAV-Indore	0.0192	69	0.0114	70	0.0077	36	16.0199	33
34	ANU-Chidambaram	0.0121	73	0.0111	72	0.0010	69	14.8359	34
35	ANU- Guntur	0.0295	58	0.0259	56	0.0035	56	14.0141	35
36	TU- Agartala	12.6783	5	0.1019	24	0.0057	47	12.5707	36
37	KU-Shankaraghatta	0.1258	29	0.1040	22	0.0218	20	11.6008	37
38	UA-Prayagraj	0.0003	81	0.0000	81	0.0033	57	11.3837	38
39	AU-Visakhapatnam	0.1207	32	0.1027	23	0.0179	23	11.0516	39
40	GGV-Bilaspur	0.1640	25	0.1547	15	0.0093	34	10.8437	40
41	AKNU-Rajahmundry	0.0594	43	0.0531	37	0.0063	44	10.6336	41
42	GU-Ahmedabad	0.0852	38	0.0640	32	0.0212	21	10.3995	42
43	SHUATS-Allahabad	0.0952	35	0.0296	51	0.0656	10	10.1360	43
44	GKU-Haridwar	0.0000	82	0.0000	81	0.0000	82	9.7363	44
45	BHU-Varanasi	0.0405	53	0.0391	46	0.0014	65	9.3254	45
46	ICFAI- Kamalghat	9.0217	6	0.2858	7	0.0250	19	8.7108	46
47	KU-Raipur	0.0722	41	0.0650	31	0.0072	38	8.6711	47
48	UL-Lucknow	0.0231	64	0.0180	62	0.0051	49	8.3569	48
49	BU- Burdwan	8.3614	7	0.0386	48	0.0014	65	8.3215	49
50	PRSU-Raipur	0.0250	63	0.0244	57	0.0006	77	8.0833	50
51	MU-Pindwara	0.0746	39	0.0603	34	0.0143	26	7.4287	51
52	KSWU-Vijayapura	0.4608	15	0.1854	13	0.2755	3	7.2389	52
53	SKU-Anantapur	0.3402	18	0.2900	6	0.0502	12	7.1758	53
54	SPMV-Chittoor	0.0885	36	0.0827	28	0.0058	45	6.9058	54
55	BU-Jhansi	0.1622	26	0.1235	18	0.0387	14	6.7437	55
56	SVSU-Meerut	0.2880	22	0.2208	11	0.0671	9	6.6961	56
57	GKU-Talwandi Sabo	0.4094	17	0.2100	12	0.1995	4	6.6798	57
58	BU-Bhopal	0.0494	51	0.0390	47	0.0104	31	6.3737	58
59	DU-Chittoor	0.0528	49	0.0512	39	0.0016	64	6.1156	59
60	RGU- Doimukh	5.9481	8	0.0396	44	0.0007	75	5.9078	60
61	ITMU-Gwalior	0.0348	54	0.0282	53	0.0066	42	5.6700	61
62	BNU-Udaipur	0.0563	45	0.0491	40	0.0071	41	5.3571	62
63	JU- Kolkata	5.2064	9	0.0226	58	0.0033	57	5.1805	63
64	RTU-Bhojpur	0.2589	23	0.2219	10	0.0370	16	4.9406	64
65	MU-Mandsaur	0.0331	55	0.0320	49	0.0011	68	4.8637	65
66	BBDU-Lucknow	0.0269	61	0.0224	59	0.0045	52	4.6508	66
67	MU- Imphal	4.5889	10	0.1111	20	0.0111	29	4.4667	67
68	TMU-Moradabad	0.1369	27	0.1297	17	0.0072	38	4.3251	68
69	AU-Noida	0.0073	76	0.0063	74	0.0009	71	4.1830	69
70	MU-Mumbai	0.0056	78	0.0042	77	0.0014	65	3.7697	70



**$r = 0.02$  = This value meaning is 'Very Weak Positive Correlation'.**

Hence, the value of  $r$  indicates Very Week Positive relationship between R-WIF and SWIF. In other word, there is Very Week Positive variation or and Very Week Positive differences between the R-WIF and SWIF.



**Figure 7: Link Topology of recognized website of Physical Education courses offered Universities in India.**

It can be seen from Figure 7 that websites of NCTE recognized Physical Education courses offered Universities in India are not well connected. Two Universities are link to one university as a V-shaped link topology has been formed. There is not a significant web-based association among these Universities of NCTE.

## MAJOR FINDINGS

1. 85 Universities were offered the NCTE recognized Physical Education courses in India.
2. Year of Establishment, between 1981 and 1990 has started maximum Universities with 17 (20 Percent). Also noted the Before Independence of India 16 (18.82 Percent) Universities were started.
3. NCTE Regional committee-wise distribution of Physical Education courses offered Universities of India is the South Region and North Region has highest number of Universities with 26 (30.59 Percent) each.
4. Regarding State-wise distribution of NCTE Recognized Physical Education courses courses offered Universities of India, the Multi Faculty Profile Universities were in high numbers of 83 (97.65 percent) out of 85.
7. Totally 9 Universities through this study pinned the exclusive Universities for 'Physical Education and Sports' in India among this 7 were not including due do the criteria of this study.
8. 'ac.in' (academic institutes in India) is top level domain has occupies more than 60% of NCTE recognized Physical Education courses Universities website in India.
9. Page Size in kilo byte, Hemchandracharya North Gujrat University-Patan was first in

offered Universities of India is the Uttar Pradesh has maximum number of Universities with 15 (17.65 Percent) also noted the Tamil Nadu is the second position with 11 (12.94 percent) in this list.

5. University Management-wise (funded by) distribution of NCTE Recognized Physical Education courses offered Universities of India, the state government funded Universities has high numbers of 47 (55.29 percent) in this research work.
6. University Faculty Profile-wise distribution of NCTE Recognized Physical Education courses offered Universities of India, the Multi Faculty Profile Universities were in high numbers of 83 (97.65 percent) out of 85.
7. Totally 9 Universities through this study pinned the exclusive Universities for 'Physical Education and Sports' in India among this 7 were not including due to the criteria of this study.
8. 'ac.in' (academic institutes in India) is top level domain has occupies more than 60% of NCTE recognized Physical Education courses Universities website in India.
9. Page Size in kilo byte, Hemchandracharya North Guirat University-Patan was first in

this study, which means website loaded is quickly on NET.

10. Goggle indexed Webpages, Mumbai University-Mumbai website, pages has indexed high numbers of this study.
11. Total Links, Dibrugarh University-Dibrugarh was first position among overall study of this study concept.
12. Internal Links, Visva-Bharati University-Santiniketan website has high number of internal linked pages which mean the VBU website has good quality of this study.
13. External Links, Karnataka State Women'S University-Vijayapura was given more number of external links of this study.
14. Back Links, Pondicherry University-Pondicherry was first position, which means PU has best popularity of this area of concept.
15. Simple Web Impact Factor, Sai Nath University-Ranchi was the first position with 64.8750 SWIF.
16. Self Link Web Impact Factor, Gulbarga University-Kalaburagi was the first position with 13.8889 SLWIF.
17. External Link Web Impact Factor, Gulbarga University-Kalaburagi was the first position with 1.3889 ELWIF.
18. Revised Web Impact Factor, Bharathiar University-Coimbatore was the first position with 671.9590 RWIF.
19. Pearson correlation coefficient (r) value is  $r = 0.02$ , this value meaning is 'Very Weak Positive Correlation' among website of Universities in NCTE.
20. Link Topology, Websites of recognized Physical Education courses offered Universities are not well connected.

## CONCLUSION

Link analysis of the websites of Physical Education courses offered Universities of NCTE is an anonymous area of webometric research. This study provides a good overview of the information provided by the websites of the 85 Physical Education courses offered by Universities of NCTE. The values range of web impact factors is fairly good between SWIF and RWIF also the link topology relationship was not better among the Physical Education courses offered by Universities of NCTE. So recommended of the study is necessitating a balanced output between RWIF and SWIF also connectivity of link topology relationships among Physical Education the courses offered

by Universities of NCTE. Further, similar webometric studies essential for international standard development of the Physical Education and Sports field of NCTE in India.

## ABBREVIATIONS

ST/UT- State/Union Territory, MGT-Management, TFP-Types of Faculty Profile, RGN-Region, Estd-Establishment, GJ-Gujarat, CG-Chhattisgarh, RJ-Rajasthan, MH-Maharashtra, MP-Madhya Pradesh, CH-Chandigarh, HR-Haryana, PB-Punjab, UP-Uttar Pradesh, UK-Uttarakhand, TN-Tamil Nadu, KA-Karnataka, AP-Andhra Pradesh, TG-Telangana, PY-Pondicherry, WB-West Bengal, AS-Assam, TR-Tripura, AR-Arunachal Pradesh, JH-Jharkhand, MN-Manipur, DL-Delhi, CU-Central University, SU-State University, DU-Deemed To Be University, PU-Private University, SFP-Single Faculty Profile, .ac.in-academic India, edu.in-educational India, .in-India, .org-organization, .com-commercial, .co.in-commercial India, .edu-educational, .org.in-organization India.

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## Annexure-I

**Table 1: Details of NCTE recognized Physical Education courses offered Universities in India.**

S. No	University Name & Place	Short Name	S T / U T	M G T	T F P	R G N	ES T D	Website Address
1	Saurashtra University-Rajkot	SU	GJ	SU	M ul ti	W e s	1967	<a href="https://www.saurashtrauniversity.co.in">https://www.saurashtrauniversity.co.in</a>

2	Hemchandracharya North Gujarat University-Patan	HNGU	GJ	SU	F a c u l t y P r o f i l e	t R e g i o n	1986	<a href="https://ngu.ac.in">https://ngu.ac.in</a>
3	Gujarat Vidyapith-Ahmedabad	GU	GJ	DU			1920	<a href="https://gujaratvidyapith.org">https://gujaratvidyapith.org</a>
4	Pt. Ravishankar Shukla University-Raipur	PRSU	CG	SU			1964	<a href="http://www.prsuuniv.in">http://www.prsuuniv.in</a>
5	MATS University-Raipur	MATS	CG	PU			2006	<a href="https://matsuniversity.ac.in">https://matsuniversity.ac.in</a>
6	Kalinga University-Raipur	KU	CG	PU			2013	<a href="https://kalingauniversity.ac.in">https://kalingauniversity.ac.in</a>
7	Guru Ghasidas Vishwavidyalaya-Bilaspur	GGV	CG	CU			1983	<a href="https://www.ggu.ac.in">https://www.ggu.ac.in</a>
8	Madhav University-Pindwara	MU	RJ	PU			2014	<a href="https://madhavuniversity.edu.in">https://madhavuniversity.edu.in</a>
9	Bhupal Nobles' University- Udaipur	BNU	RJ	PU			1923	<a href="https://www.bnuniversity.ac.in">https://www.bnuniversity.ac.in</a>
10	Tantia University- Sri Ganganagar	TU	RJ	PU			1956	<a href="https://tantiauniversity.com">https://tantiauniversity.com</a>
11	Mumbai University-Mumbai	MU	MH	SU			1857	<a href="https://mu.ac.in">https://mu.ac.in</a>
12	Sant Gadge Baba Amravati University-Amravati	SGBAU	MH	SU			1983	<a href="https://www.sgbau.ac.in">https://www.sgbau.ac.in</a>
13	Dr. Babasaheb Ambedkar Marathwada University-Aurangabad	Dr.BA MU	MH	SU			1958	<a href="http://www.bamu.ac.in">http://www.bamu.ac.in</a>
14	Swami Ramanand Teerth Marathwada University-Nanded	SRTMU	MH	SU			1994	<a href="https://www.srtmun.ac.in">https://www.srtmun.ac.in</a>
15	Jiwaji University-Gwalior	JU	MP	SU			1964	<a href="http://www.jiwaji.edu">http://www.jiwaji.edu</a>
16	ITM University - Gwalior	ITMU	MP	PU			1997	<a href="http://itmuniversity.ac.in">http://itmuniversity.ac.in</a>
17	Mandsaur University-Mandsaur	MU	MP	PU			2015	<a href="https://www.mandsauruniversity.edu.in">https://www.mandsauruniversity.edu.in</a>
18	Barkatullah University-Bhopal	BU	MP	SU			1970	<a href="http://www.bubhopal.ac.in">http://www.bubhopal.ac.in</a>
19	Devi Ahilya Vishwavidyalaya-Indore	DAV	MP	SU			1964	<a href="https://www.dauniv.ac.in">https://www.dauniv.ac.in</a>
20	Awadhesh Pratap Singh University-Rewa	APSU	MP	SU			1968	<a href="http://apsurewa.ac.in">http://apsurewa.ac.in</a>
21	Rabindranath Tagore University- Bhojpur	RTU	MP	PU			1985	<a href="https://rntu.ac.in">https://rntu.ac.in</a>
22	Swami Vivekanand University-Sagar	SVNU	MP	PU			2012	<a href="https://www.svnuuniversity.co.in">https://www.svnuuniversity.co.in</a>
23	Panjab University-Mohali	PU	CH	SU		N o r t h R e	1882	<a href="https://www.puchd.ac.in">https://www.puchd.ac.in</a>
24	Chaudhary Devi Lal University-Sirsa	CDLU	HR	SU			2000	<a href="https://www.cdlu.ac.in">https://www.cdlu.ac.in</a>
25	Kurukshetra University-Kurukshetra	KU	HR	SU			1956	<a href="https://www.kuk.ac.in">https://www.kuk.ac.in</a>

26	Chandigarh University-Ajitgarh	CU	PB	PU	g i o n	2012	<a href="https://www.cuchd.in">https://www.cuchd.in</a>
27	Sant Baba Bhag Singh University-Khiala	SBBSU	PB	PU		2014	<a href="http://www.sbbsuniversity.ac.in">http://www.sbbsuniversity.ac.in</a>
28	Lovely Professional University-Phagwara	LPU	PB	PU		2005	<a href="https://www.lpu.in">https://www.lpu.in</a>
29	Guru Kashi University-Talwandi Sabo	GKU	PB	PU		2011	<a href="https://gurukashiniversity.in">https://gurukashiniversity.in</a>
30	DAV University-Jalandhar	DU	PB	PU		2013	<a href="https://www.davuniversity.org">https://www.davuniversity.org</a>
31	Sri Guru Granth Sahib World University-Fatehgarh Sahib	SGGSWU	PB	PU		2008	<a href="http://www.sggswu.edu.in">http://www.sggswu.edu.in</a>
32	University of Lucknow-Lucknow	UL	UP	SU		1867	<a href="https://www.lkouniv.ac.in">https://www.lkouniv.ac.in</a>
33	Bundelkhand University-Jhansi	BU	UP	SU		1975	<a href="https://www.bujhansin.ac.in">https://www.bujhansin.ac.in</a>
34	Swami Vivekanand Subharti University-Meerut	SVSU	UP	PU		2008	<a href="https://www.subharti.org">https://www.subharti.org</a>
35	Chhatrapati Shahu Ji Maharaj University-Kanpur	CSMU	UP	SU		1966	<a href="http://csjmu.ac.in">http://csjmu.ac.in</a>
36	The Sam Higginbottom University of Agriculture, Technology And Sciences-Allahabad	SHUATS	UP	SU		1910	<a href="https://shuats.edu.in">https://shuats.edu.in</a>
37	Amity University-Noida	AU	UP	PU		2005	<a href="https://www.amity.edu">https://www.amity.edu</a>
38	Dr. Rammanohar Lohia Avadh University-Ayodhya	DR.RLAU	UP	SU		1975	<a href="http://www.rmlau.ac.in">http://www.rmlau.ac.in</a>
39	Aligarh Muslim University-Aligarh	AMU	UP	CU		1875	<a href="https://www.amu.ac.in">https://www.amu.ac.in</a>
40	Dr Bhimrao Ambedkar University-Agra	DR.BAU	UP	SU		1927	<a href="http://www.dbrau.org.in">http://www.dbrau.org.in</a>
41	Chaudhary Charan Singh University-Meerut	CCSU	UP	SU		1965	<a href="https://ccsuniversity.ac.in">https://ccsuniversity.ac.in</a>
42	Mahatma Gandhi Kashi Vidyapith-Varanasi	MGKV	UP	SU		1995	<a href="https://www.mgkvp.ac.in">https://www.mgkvp.ac.in</a>
43	University of Allahabad-Prayagraj	UA	UP	CU		1887	<a href="https://www.alldu niv.ac.in">https://www.alldu niv.ac.in</a>
44	Banaras Hindu University-Varanasi	BHU	UP	CU		1916	<a href="https://www.bhu.ac.in">https://www.bhu.ac.in</a>
45	Babu Banarasi Das University-Lucknow	BBDU	UP	PU		2010	<a href="https://bbdu.ac.in">https://bbdu.ac.in</a>
46	Teerthanker Mahaveer University-Moradabad	TMU	UP	PU		2008	<a href="https://www.tmu.ac.in">https://www.tmu.ac.in</a>
47	Hemvati Nandan Bahuguna Garhwal University-Srinagar	HNBGU	UK	CU		1973	<a href="http://hnbgu.ac.in">http://hnbgu.ac.in</a>
48	Gurukula Kangri University-Haridwar	GKU	UK	DU		1902	<a href="https://www.gkv.ac.in">https://www.gkv.ac.in</a>

49	SRM University-Chennai	SRM	TN	PU			S o u t h R e g i o n	1985	<a href="http://www.srmuniv.ac.in">http://www.srmuniv.ac.in</a>
50	Annamalai University-Chidambaram	ANU	TN	SU				1929	<a href="http://www.annamalaiuniversity.ac.in">http://www.annamalaiuniversity.ac.in</a>
51	Madurai Kamaraj University-Madurai	MKU	TN	SU				1965	<a href="https://mkuniversity.ac.in">https://mkuniversity.ac.in</a>
52	Manonmaniam Sundaranar University-Tirunelveli	MSU	TN	SU				1990	<a href="https://www.msuniv.ac.in">https://www.msuniv.ac.in</a>
53	Ramakrishna Mission Vivekananda University-Coimbatore	RMVU	TN	DU				2005	<a href="http://rkmvu.ac.in">http://rkmvu.ac.in</a>
54	Bharathidasan University-Tiruchirapalli	BDU	TN	SU				1982	<a href="http://www.bdu.ac.in">http://www.bdu.ac.in</a>
55	Vinayaka Missions University-Salem	VMU	TN	DU				1981	<a href="https://www.vinayakamission.com">https://www.vinayakamission.com</a>
56	Alagappa University-Karaikudi	AU	TN	SU				1985	<a href="https://alagappauniversity.ac.in">https://alagappauniversity.ac.in</a>
57	Tamil Nadu Physical Education and Sports University-Chennai	TNPE SU	TN	SU	S F P	M u l t i F a c u l t y P r o f i l e	2005	<a href="http://tnpesu.org">http://tnpesu.org</a>	
58	Bharathiar University-Coimbatore	BU	TN	SU			1982	<a href="http://www.b-u.ac.in">http://www.b-u.ac.in</a>	
59	Avinashilingam Institute for Home Science and Higher Education for Women-Coimbatore	AUW	TN	DU			1957	<a href="http://www.avinuty.ac.in">http://www.avinuty.ac.in</a>	
60	Mangalore University-Mangalagangothri	MU	KA	SU			1980	<a href="https://mangaloreuniversity.ac.in">https://mangaloreuniversity.ac.in</a>	
61	Bangalore University-Bengaluru	BANU	KA	SU			1964	<a href="http://bangaloreuniversity.ac.in">http://bangaloreuniversity.ac.in</a>	
62	University of Mysore-Mysuru	MU	KA	SU			1916	<a href="http://www.unimysore.ac.in">http://www.unimysore.ac.in</a>	
63	Karnataka State Women'S University-Vijayapura	KSWU	KA	SU			2003	<a href="http://www.kswu.ac.in">http://www.kswu.ac.in</a>	
64	Gulbarga University-Kalaburagi	GU	KA	SU			1980	<a href="https://gug.ac.in">https://gug.ac.in</a>	
65	Kuvempu University-Shankaraghatta	KU	KA	SU			1987	<a href="http://www.kuvempu.ac.in">http://www.kuvempu.ac.in</a>	
66	Adikavi Nannaya University-Rajahmundry	AKNU	AP	SU			2006	<a href="http://aknu.edu.in">http://aknu.edu.in</a>	
67	Sri Padmavathi Mahila Visvavidyalayam-Chittoor	SPMV	AP	SU			1983	<a href="http://www.spmvv.ac.in">http://www.spmvv.ac.in</a>	
68	Andhra University-Visakhapatnam	AU	AP	SU			1926	<a href="https://www.andhrauniversity.edu.in">https://www.andhrauniversity.edu.in</a>	
69	Sri Krishnadevaraya University-Anantapur	SKU	AP	SU			1981	<a href="http://skuniversity.ac.in">http://skuniversity.ac.in</a>	
70	Acharya Nagarjuna University-Guntur	ANU	AP	SU			1976	<a href="http://www.anu.ac.in">http://www.anu.ac.in</a>	
71	Dravidian University-Chittoor	DU	AP	SU			1997	<a href="http://www.dravidianuniversity.ac.in">http://www.dravidianuniversity.ac.in</a>	

72	Osmania University-Hyderabad	OU	TG	SU			1918	<a href="https://www.osmania.ac.in">https://www.osmania.ac.in</a>
73	Kakatiya University-Khammam	KU	TG	SU			1976	<a href="http://www.kakatiya.ac.in">http://www.kakatiya.ac.in</a>
74	Pondicherry University-Pondicherry	PU	PY	CU			1985	<a href="http://www.pondiuni.edu.in">http://www.pondiuni.edu.in</a>
75	Kalyani University-Nadia	KU	WB	SU			1960	<a href="https://www.klyuniv.ac.in">https://www.klyuniv.ac.in</a>
76	Visva-Bharati University-Santiniketan	VB	WB	CU			1921	<a href="https://www.visva-bharati.ac.in">https://www.visva-bharati.ac.in</a>
77	Jadavpur University-Kolkata	JU	WB	SU			1955	<a href="http://www.jaduniv.edu.in">http://www.jaduniv.edu.in</a>
78	The University of Burdwan-Burdwan	BU	WB	SU			1960	<a href="https://www.buruniv.ac.in">https://www.buruniv.ac.in</a>
79	Lakshmbai National Institute of Physical Education-Guwahati	LNIP E	AS	DU	S F P	E a s t R e g i o n	1957	<a href="http://lnipe.edu.in">http://lnipe.edu.in</a>
80	Dibrugarh University-Dibrugarh	DU	AS	SU	M u l t i F a c u l t y P r o f i l e		1965	<a href="https://dibru.ac.in">https://dibru.ac.in</a>
81	The ICFAI University-Kamalghat	ICFAI	TR	PU			1984	<a href="https://www.iutripura.edu.in">https://www.iutripura.edu.in</a>
82	Tripura University-Agartala	TU	TR	CU			1987	<a href="https://www.tripurauniv.in">https://www.tripurauniv.in</a>
83	Rajiv Gandhi University-Doimukh	RGU	AR	CU			1984	<a href="https://new.rgu.ac.in">https://new.rgu.ac.in</a>
84	Sai Nath University-Ranchi	SNU	JH	PU			2012	<a href="https://www.sainathuniversity.com">https://www.sainathuniversity.com</a>
85	Manipur University-Imphal	MU	M N	CU			1980	<a href="https://www.manipuruniv.ac.in">https://www.manipuruniv.ac.in</a>