EVALUATION OF VIDWAN EXPERT DATABASE WITH SPECIAL REFERENCE TO MAHARASHTRA

Dr. Manisha R. Khakre

Librarian
Arts, Commerce & Science College Arvi,
Dist. Wardha (M.H.)

Abstract

INFLIBNET centre has taken Initiative to develop the Vidwan database which is the premier database of profiles of researchers, scientists of a leading Institution and R & D organizations from India those are involving in teaching and research. The study focuses on the present status of Vidwan database, organization wise experts, category wise experts, state wise experts, State University wise, Experts of State Universities of top ten states, experts of top ten Maharashtra state Universities, and experts by top ten designations of Maharashtra States.

Keywords: -
INFLIBNET, Vidwan, Expert database, ICT (NME-ICT)

Introduction

Vidwan database of experts is launched by INFLIBNET. VIDWAN is the Premier database of profiles of researchers and government agencies, scientists and other faculty members, involved in teaching & research in India from Various R & D organizations and leading academic institutions in India. This database is developed and maintained by Information and Library Network (INFLIBNET) with financial support from National mission on Education through ICT (NME-ICT). Vidwan database helps the researchers to maintain their academic profile and to identify the experts from various subjects in one place. Vidwan database provides the important information about expert's background, contact address, experience, scholarly communication, skills and accomplishments researcher identity. Databases are helpful tools for finding expert's information. It also helps in selection of Panels of experts for Various Committees, a taskforce established by the Ministries/Government establishments for monitoring and evaluation purposes. It is also helpful for the selection of experts for the Ph.D Research Committee for the Ph.D. Scholars at Universities and R&D organizations. (Ganasekarn D. and Rajkumar T., 2020)

Review of Literature

Panda S. K. & Kannan, P. (2016) carried out a web content analysis to collect data from Vidwan database has 54974 plus. Experts by organizations, 64314 plus subject. Wise experts and there were 721999 plus citations in Vidwan database. State University occupied First rank with 14342 (26.08%) of experts in organization category. The database is researcher's Network and establishes communication between research scholars & faculty members. Muthuraj & Rajkumar T. (2017) carried out a study to find out the experts in Vidwan database based on organizations, subjects and in Tamil Nadu. Study revealed that the VIDWAN database is the database of Experts in all scientific areas from various R & D organizations and Universities of Tamil Nadu State. Study showed that there were 23278 Experts in the organization category. Out of which 6468 experts were from state university categories. Engineering & Technology is the leading subject from this subject category; there were most of the 6278 experts. Experts from the professor category were high productivity experts with 378 (46.32%) experts. Chaman Sab m. Dharani Kumar and Biradus, (2018) in their study examined Engineering and Technology. Experts should come forward to Contribute the Aerospace Engineering to identify the experts in emerging areas of Engineering & Technology study shared that Vidwan database has 1008 publications from Tamil category i.e. 2483 nadu state, Highest experts high publication from professor publication from Electronic & electrical Engineering. Gananasekarn Rajkumar, T. (2020) Carried study of experts related to Engineering & Technology Subject from Deemed Universities in Vidwan database. Study showed that these were 4365 experts from deemed Universities and 1729 experts were from engineering & Technical subject category and koneru Lakshmaiah Education foundation and Kalinga Institute of Industrial Technology had contributed more experts.

The database is researcher's Network and establishes communication between research scholars & faculty members.

Objectives of the Study

To find out the status of experts in Vidwan database from India.

1. To find out the organization wise experts of Vidwan database.
2. To identify the subject wise experts of Vidwan database.
3. To analyze the experts of State Universities of top ten States in India.
4. To analyze the experts by top ten Maharashtra State Universities in Vidwan database.
5. To investigate the experts by subjects of State Universities in Maharashtra.
6. To analyze the experts by top ten designations of Maharashtra State Universities.

Methodology-

The data retrieved from Vidwan database (http./Vidwan.inflibnet.ac.in) during 1-21 December 2021. Data collected were analysed using simple calculations with percentage and ranking.

Data Analysis-

On 17 December 2021 Vidwan database listed a total 106270 Experts of various subjects from 11419 organizations with 1546746 citations.

- **Experts by organization wise in Vidwan database**

Table No. 1 : Experts by organization wise in Vidwan database

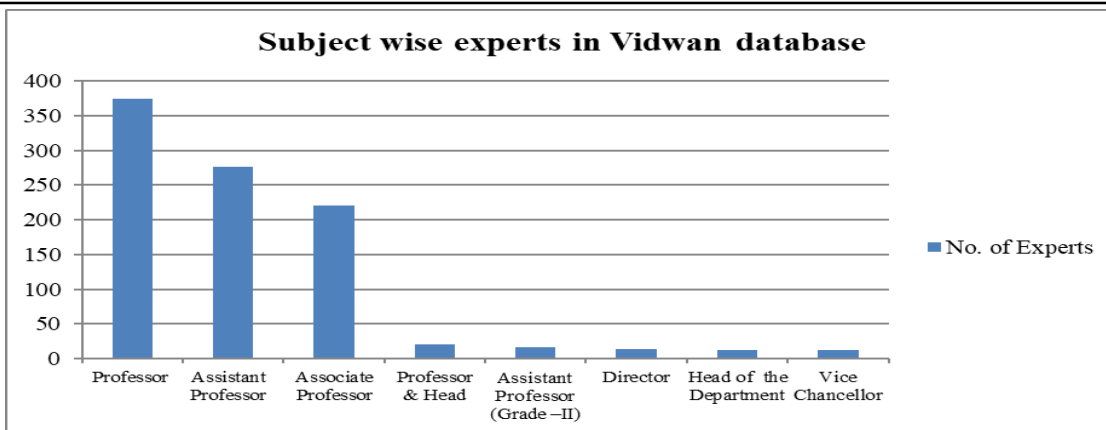| Sr. No.	Organization Category	No. of Experts	%	Rank
1.	Other Institutions	29717	30.30	1
2.	State University	17893	18.24	2
3.	Institute of National Importance	15092	15.39	3
4.	Deemed University	11636	11.86	4
5.	Technical Instituted	9550	9.73	5
6.	Central University	9110	9.29	6
7.	R & D Organization	5061	5.16	7
	Total	**98051**	**100%**	

Fig. no. 1 Experts by organization wise in Vidwan database

from Table No.1 & figure it is found that other Institutes has large number of experts ie. 29717 (30.30%) in the Vidwan database and placed first rank State University has 17893 (18.24%) experts and occupied second rank Instituted of National Importance has 15092 (15.39) experts and occupied third rank in Vidwan database. It is found that Deemed university has 11636 (11.86%) experts in the Vidwan database and placed in fourth rank. Technical Institutes has 9550 (9.73%) experts in Vidwan database and in the fifth position in Vidwan database. Central University has 9110 (9.29%) experts in the Vidwan database. R & D organizations had 5061 (5.16%) experts in Vidwan database and occupied Seventh position. Total 9851 experts from different organization categories.

- **Subject wise experts in Vidwan database**

Table: 2 Subject wise experts in Vidwan database

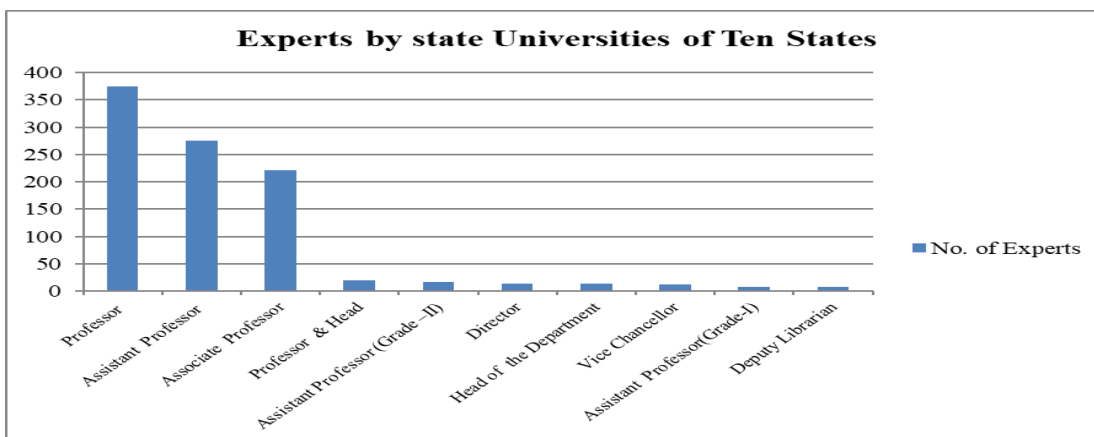| Sr. No.	Subject	No. of Experts	%	Rank
1.	Engineering & Technology	39401	37.76	1
2.	Social Science	18842	18.05	2
3.	Medical & Health Science	11104	10.14	3
4.	Physical Science	10586	10.14	4
5.	Arts & Humanities	8312	7.96	5
6.	Agricultural Science	6469	6.20	6
7.	Chemical Science	5368	5.14	7
8.	Biological Science	4256	4.07	8
	Total	**104337**	**100%**	

Fig. No. 2 Subject wise experts in Vidwan database

From Table no. 2 & Fig. no.2. It is found that Engineering & Technology has 39401 (37.76%) experts in The Vidwan database and placed in first rank. It is followed by Social Science 18842 (10.64%) experts. Medical & Health Science has 11104 (10.14%) experts in Vidwan database and placed in third rank. Physical science has 10586 (10.14%) experts & placed in fourth rank. Chemical science has 42556 (4.07%) & Biological Science has 4256 (4.07%) experts and placed in Seventh and Eight rank respectively.

- **Experts by state Universities Ten States**

Table 3 :- Experts by State Universities of Top Ten States

Sr. No.	State	No. of Experts	Top Ten %	Over all %	Rank
1	Tamil Nadu	3706	1	29.70	1
2	Karnataka	1666	2	13.30	2
3	West Bengal	1609	3	12.86	3
4	Gujrat	1365	4	10.94	4
5	Maharashtra	1067	5	8.52	5
6	Chandigarh	891	6	7.14	6
7	Punjab	597	7	4.78	7
8	Andhra Pradesh	563	8	4.51	8
9	Utter Pradesh	554	9	4.44	9
10	Utterakhand	458	10	3.67	10
	Total	**12476**		**100%**	

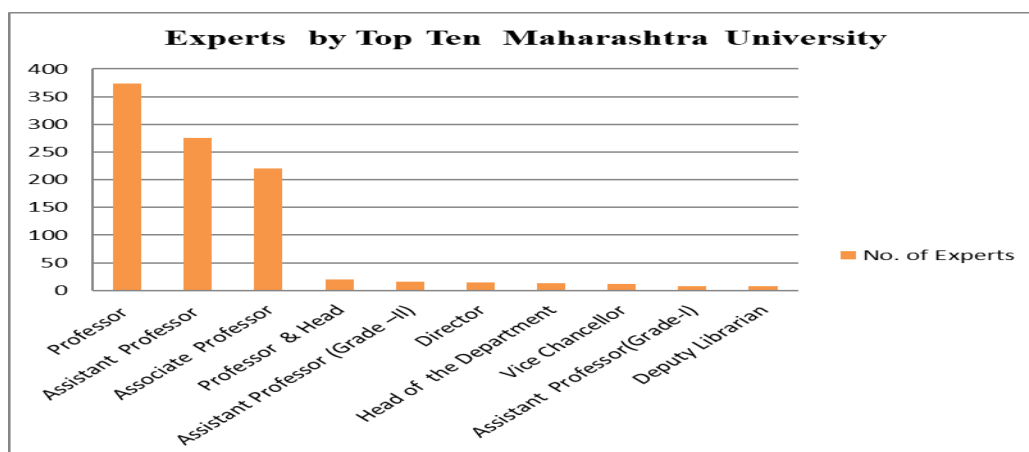*Fig. No. 3 Experts by state Universities of Ten States*

Table no. 3 describes that Tamil Nadu State is in first Rank with 3706 (20.70%) experts which is followed by Karnataka with 1666 (13.30%) experts. West Bengal has 1609 (12.86%) experts and on Third rank. Gujarat State is on Fourth rank with 1365 (10.94%) experts. Maharashtra State is on fifth rank and has 1067 (8.52%) experts. Chandigarh has on Sixth rank with 891 (7.14%) experts. Punjab Stands on Seventh rank with 597 (4.78%) experts. Andhrapradesh has 563 (4.51%) experts placed on Eighth rank. Uttar Pradesh placed at Ninth rank with 554 (4.44%) Experts. Utterakhand placed on Tenth rank with less no of experts i.e. 458 (3.67%) There are a total 17893 experts from all State Universities.

- **Experts by Top Ten Maharashtra University.**

Table no.4 Experts by Top Ten Maharashtra University.

Sr. No	Name of State University	No. of Experts	%	Rank
1.	Shivaji University	231	29.27	1
2.	Dr. Babasaheb Ambedkar Marathwada University	98	12.42	2
3.	Savitribai Phule Pune University	89	12.42	3
4.	University of Mumbai	84	11.28	4
5.	Kaviyatri Bahinabai Chaudhari North Maharashtra University	82	10.39	5
6.	Rashtrasant Tukdoji Maharaj Nagpur University	51	6.46	6
7.	Mahatma Phule AgriculturalUniversity	46	5.83	7
8.	Swami Ramanand Tirth Marathwada University	45	5.70	8
9.	SNDT Women's University Mumbai	34	4.30	9
10	Sant Gadge Baba Amravati University	33	4.18	10
	Total	**789**	**100%**	

Fig. No. 4 Experts by Top Ten Maharashtra University

From Table No.4 it is observed that Shivaji University has contributed with maximum no of experts in the Vidwan database ie. 231 (29.27%) and placed at first rank in Maharashtra State Universities. It is found that the remaining nine Universities contributed less than 100 experts. Dr. Babasaheb Ambedkar Marathwada University Contributes 98 (12.42%) experts and placed on second rank Savitribai Phule Pune University with 84 experts placed on third rank with 89 (11.28%)Experts. University of Mumbai placed at Fifth rank with 82 (10.64) Experts. Sant Gadge Baba Amravati University Contributed with 33 (4.18%) and placed Tenth rank in Vidwan Database.

- **Experts by subject wise experts in Maharashtra State Universities**

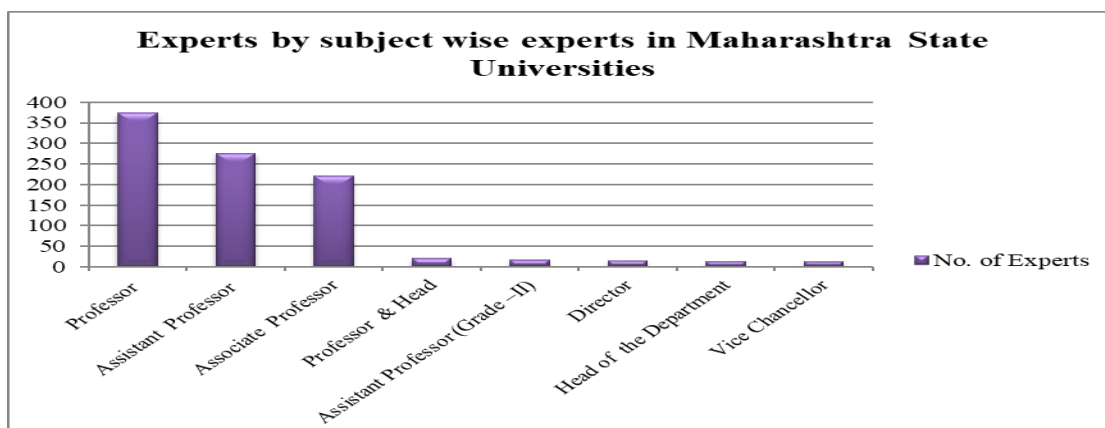**Table-5 :-Experts by subject wise experts in Maharashtra State Universities**

Sr. No	Name of State University	No. of Experts	%	Rank
1.	Social Science	339	32.04	1
2.	Engineering & Technology	145	13.70	2
3.	Physical Science	137	12.94	3
4.	Agricultural Science	125	11.81	4
5.	Arts & Humanities	97	9.16	5
6.	Chemical Sciences	79	7.46	6
7.	Medical & Health Sciences	72	6.80	7
8.	Biological Sciences	64	6.04	8
	Total	**1058**	**100%**	

From Table no. 5 It is noticed in Maharashtra state Universities. There are a total 339 (32.04%) subject experts in Vidwan database and placed in first rank. Other subjects have less than 150 experts. Engineering & Technology subject has 145 (13.70%) experts and placed on second rank. Physical science has 137 (12.94%) experts and placed in third rank. Agricultural science placed

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fourth rank with 125 (11.81%) experts Arts & Humanities, Chemical sciences, Medical & Health Sciences, Biological Sciences has experts less than 100. Biological Sciences placed tenth rank with 1058 (100%) experts.
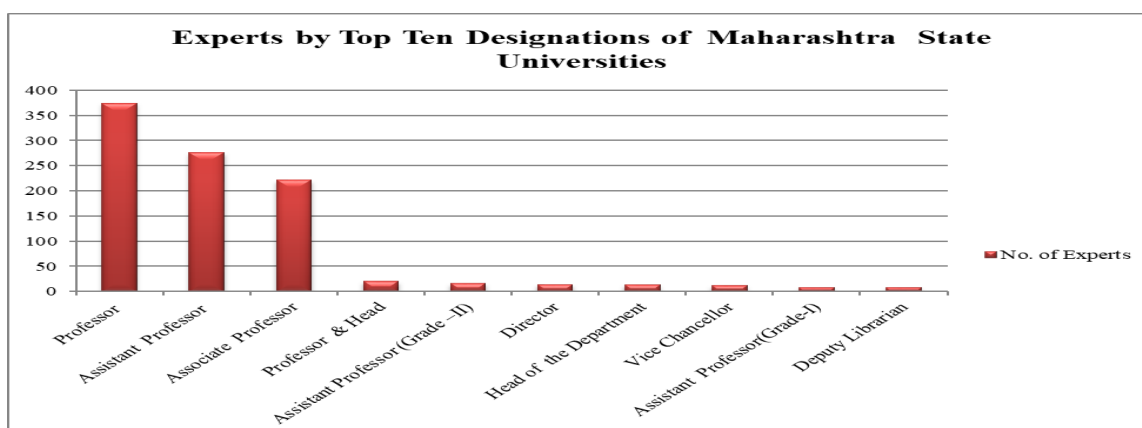

Fig. No. 5 Experts by subject wise experts in Maharashtra State Universities

Out of 1058 Experts of all subjects Social Science has placed in first rank with 339 Experts.

- **Experts by Top Ten Designations of Maharashtra State Universities**

Table -6 :- Experts by Top Ten Designations of Maharashtra State Universities

Sr. No	Name of Designation	No. of Experts	%	Rank
1.	Professor	374	38.87	1
2.	Assistant Professor	276	28.69	2
3.	Associate Professor	221	22.97	3
4.	Professor & Head	20	2.07	4
5.	Assistant Professor (Grade –II)	16	1.66	5
6.	Director	14	1.45	6
7.	Head of the Department	13	1.35	7
8.	Vice Chancellor	12	1.24	8
9.	Assistant Professor(Grade-I)	8	0.83	9
10	Deputy Librarian	8	0.83	10
	Total	**962**	**100%**	

Fig. No. 6 Experts by Top Ten Designations of Maharashtra State Universities

Table No. 6 Show that the professor category has 376 (38.87%) experts and placed on first rank second rank achieved by Assistant professor Category with 276 (28.69%) experts and followed by Associated Professor Category with 221 (22.97%) Experts and placed on third rank. There are very few experts below 50 experts. The Deputy Librarian category has only (0.83%) experts placed on Tenth rank. There are a total 962 experts from above ten Designation categories of Maharashtra State Universities.

Conclusion and Recommendations:-

INFLIBNET has developed the experts database of Indian Subject experts. Research is carried out during December 2021.

The following are the major findings of This Study.

- It is found that there are a total 98051 experts by state University by organization category wise in Vidwan database.
- It is found that 104337 of experts are in the Vidwan database from 8 Subjects from the subject category.
- It is found that 1067(8.52%) of experts by Maharashtra State from State Universities.
- It is found that 339(332.04%) of experts in social science subjects from the state University of Maharashtra State.
- It is found that 233 (29.27%) of experts by Shivaji University Kolhapur of Maharashtra State.
- Found that 962 experts in Vidwan database from Maharashtra State Universities out of which a large number ie. 374 (38.87%) experts are from Professor Community.

From the study it is found that there are less number of researchers who uploaded their profiles in the Vidwan database. Reason behind the less number of experts productivity is due to the lack of awareness among the institutions and faculty members. It is recommended that Indian Universities, Institutions, colleges and Information centers should increase the awareness among the faculty members so that most of the experts must register in the Vidwan database and increases the network of experts working all over the world.

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