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Funding Research on IEEE Publication field of Computer Science in India

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Abstract - This study is based on the publication output funding and non-funding research on computer science field papers as indexed by Web of Science (WoS) database for the period from 2010 to 2020. The study uses ten years publications data on funding agencies research on IEEE journal publication in India. These 11 year's citation window has been used for computing the quality of the research. With a total of India 59,486 with 1,76,092 citations records were downloaded and analyzed. The Year-Wise Distribution of Funded and Unfunded Publications in India from the below table on. I use that India has 9446 published papers and 5394 unfunded papers from the past 11 years. With compare to in the year 2010, 813 funded papers and 713 unfunded papers slowly rising from the year 2008 to 2012, with a maximum of 97 % during the period 2015 to 2017. The 11 years of data, we see that Funded papers increased in citations are in 2018, 1283 % 21.20 and the Unfunded highest citation are 2015, 22988 % 17.36. In the Top Funded Agencies in IEEE Publications are the number one position is Department of Science Technology, India 693 papers, % 11.45 and the Citation wise Top is National Science Foundation NSF, 6211 citations, % 10.96 and the highest 11 India is National Natural Science Foundation of China, i.e. 37. The Lowest is Conselho Nacional Desenvolvimento i.e. 49 papers, % 0.81 and the citation wise is Ministry of Human Resource Development MHRD GOI, 228 papers % 0.51. The I-India is 6. The Top Ten Journals in IEEE Publications Funding Agencies are IEEE Access, 596 papers, % 9.85. And Citation wise Top is the same i.e. 4995, % 15.72, and the ACP Top is IEEE Transactions on Image Processing, % 31.44. And the Lowest is IEEE Wireless Communication Letters, 43 papers % 0.71 and the Citation wise, IEEE-ACM Transactions on Networking, 394 papers % 0.65. In the Table, IV, Document Type-wise Distribution of Funding is in the Top Proceedings: Total Papers, 55778, and the Funded Papers is, 4171 % 68.91 and the

Unfunded Top Papers is 51407, % 96.65. The Citation wise Top citations is Total Citation 19959 and Funded citations is 10548, % 23.71. The Unfunded papers is 51407, % 96.65 The Total Citations is 99418, % 74.08. The Lowest Document Type-wise Distribution Funding and Un-funding publications in Letters, the Total Papers is 82 and funded is 81, % 6.02. The Total Citations is, 52 % 6.12 and the Unfunded Publication is Letters, 01 % 0.00. The Unfunded Citation is Correction, 81 % 0.00.

Index Terms - Funding and Unfunding Research, Publications, Distribution, Agencies, Citations, Distribution.

INTRODUCTION

IEEE Xplore is a research database for discovery and access to journal articles, conference proceedings, technical standards, and related materials on Computer Science, Electrical Engineering and Electronics and allied fields. It contains material published mainly by the Institute of Electrical and Electronics Engineers (IEEE) and other partner publishers. IEEE Xplore provides web access to more than 4.5-million documents from publications in computer science, electrical engineering, electronics and allied fields. Its documents and other materials comprise over 195 scholarly journals, over 1,800 conference proceedings, more than 6,200 technical standards, approximately 2,400 books and over 425 online courses. Approximately 20,000 new documents are added each month. Anyone can search IEEE Xplore and find bibliographic records and abstracts for its contents, while access to full-text documents requires an individual or institutional subscription. Computer science is the study of computers and computing as well as their theoretical and practical

