

## EXECUTIVE SUMMARY

- Title of the Project:** Developing a Subject Information Gateway in Information Technology (SIGIT)
- Principal Investigator:** Dr. Naushad Ali P.M
- Implementing Agency:** Department of Library and Information Science, Aligarh Muslim University, Aligarh.
- Year of Completion:** February, 2013

- Subject Gateways, also known as Subject Information Gateways are the Internet search tools to help people to find resources easily on the Internet in a specific subject area. The concept of “Subject Information Gateways” has emerged in the early 1990s.
- Gateways offer linked collections of Internet resources via a database of resource description. Subject gateways allow persons and organizations to explore the usefulness of their subject expertise in the organization of knowledge in the world of network-based, digital information.
- Subject Information Gateway in Information Technology (SIGIT) has been developed and is available in the public domain on [www.itsubjectgateway.info](http://www.itsubjectgateway.info). It is nevertheless to state that SIGIT is the first full-fledged subject information gateway exclusively in the field of Information Technology (IT).
- The content range of SIGIT is links to resources of almost every area of Information Technology under the headings e-journals, e-books, databases, software, electronic theses and dissertations, programming languages, research projects, IT schools, fellowships and grants, forthcoming conferences/workshops, training programmes in IT, etc.

- SIGIT, at present, gives links to hundreds of e-journals which deals with different aspects of IT. It includes both Open Access journals and Subscription-based journals.
- Presently, SIGIT provides links to details of more than 710 full-text Electronic Theses and Dissertations submitted in different universities, both Indian and foreign, on various fields of IT such as Algorithm; Artificial Intelligence; Communication Technology; Computer Science; Hardware and Software Technology; Image Processing; IT in Art & Literature; IT in Biological & Health Sciences; IT in Business, Management & Industry; IT in Education; IT in Law; IT in Library Science; IT in Physics; IT in Society; Networks & Networking; and Web & Internet.
- SIGIT links, so far, to more than 500 full-text e-books in different areas of IT, available on the Internet for free download.
- In SIGIT, links have been provided for major full text and bibliographic academic databases which index academic journals, conference proceedings, technical reports, professional publications, and other reference sources in the field of Information Technology.
- The gateway, presently, links to major online dictionaries and online encyclopedias available online in the field Information Technology.
- The “Conference Proceedings” section of SIGIT links to some full-text conference proceedings in Information technology.
- The project team has collected details of more than 100 book reviews of Information Technology books available online and have been organized under the section “Book Reviews” in the gateway.
- At present, more than 120 IT products and 150 software have been listed with their details and links under the sections “IT Products” and “Software” respectively.

- The 'Patents and Copyright' section of SIGIT provides links to patent and copyright offices of 47 countries.
- We have collected and provided, so far, links along with the abstracts of many completed and ongoing research projects in different universities and institutes in India as well as abroad in different fields of IT such as Hardware and Software Technology, Networks & Networking, Communication Technology, Internet & WWW.
- SIGIT provides links to major Weblogs & LISTSERVS in the field of Information Technology and short biographies of famous IT personalities in the world.
- The section "Conferences/Seminars" provides links to the forthcoming conferences, seminars, workshop, etc. in the field of IT.
- Some video lectures in the field of IT have been included in SIGIT portal under various headings.
- In SIGIT, details of IT schools have been provided under the section 'Schools'. SIGIT also provides details of different IT courses and the universities and institutes offering those courses in the section "Courses". Under each course, links to the details of various institutes offering that course have been arranged.
- SIGIT contains links to 144 fellowships available in the field of IT all over the world. It includes both Indian and International fellowships. It also provides details of more than 120 Indian and international professional associations and societies in the field of Information Technology.
- SIGIT provides links to the websites of Government IT departments. The entries include links to the websites of a total of 29 Indian and 26 foreign countries Departments and Ministries of IT.
- In the section 'IT Companies', SIGIT provides details of famous IT companies. Details include Name, A brief description and the website

address. SIGIT also provides details of Research centers and Laboratories exclusively working in the field of Information Technology.

- SIGIT links to various training programmes being organized both in India and abroad in IT. Team members collect and post them regularly in the gateway in the section “Training Programs”. The gateway is updated by adding new programs and deleting the completed one.
- With an aim to provide information to the for qualitative jobs in the field of IT, the team members collect details of jobs at different levels and designation and include them in the gateway in the section “IT Jobs”.
- As a way to find a professional in the field of Information Technology and to bring together IT professionals from anywhere and everywhere in India, the investigators collected details of many number of professionals in different field of IT in India. Details of 48 IT professionals in India have been given in SIGIT.
- The resources in the gateway can be searched by the “Search” interface provided in the website. It provides “Simple Search” option using key words and “Advanced Search” using Boolean Logic. The articles can be searched using options “All words”, “Any words” and “Exact Phrase”. There is also an option for the ordering hits such as “Newest first”, “Oldest first”, “Most popular”, “Alphabetical”, etc.
- During the project period two national workshops on Web Content Management (WCM 2011 and WCM 2012) were organized in Aligarh Muslim University during 03-04 December, 2011 and 18-19 December 2012. Many working information professionals and research scholars all over the country including the DST sponsored project staff were rigorously trained in the workshops on designing and developing web portals and subject gateways using Joomla and Dropal. Eminent scholars were invited from the reputed institutions in the country as resource persons and trainers.

- To review the progress in the project works, three Local Project Advisory Committee (LPAC) meetings of the project were held in the Department of Library and Information Science, AMU, Aligarh. In the meetings, the committee discussed the progress of the project works and the members gave their suggestions and opinions to improve the efficiency of the gateway.
- A Project Review Meeting was also held at the Department of Science and Technology (DST), New Delhi on 09<sup>th</sup> August 2012. Dr. Naushad Ali. P M, the Principal Investigator, made a presentation of the works done during period of time and a discussion was held. Modifications have made as per the suggestions given by the honorable members.
- Since its launching in December, 2011, SIGIT has got very warm attention from the IT professionals within a short span of time, without any proper marketing or advertisement. As per the statistics available, SIGIT has been used by more than 1,50,000 times by users from 101 countries in the world (as on 03 February, 2013).