

## ANINDYA BASU

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### PRESENT POSITION

I am currently working as Librarian in Maharani Kasiswari College, Kolkata. My research area are Knowledge Organisation, Digital Library, Ontology, Scientometrics and Informetrics etc.

### EDUCATIONAL QUALIFICATION

Examination	Institution	Board	Year of Passing
WBBSE	Ramakrishna Mission Boys' Home High School, Rahara	WBBSE	2003
WBCHSE	Ramakrishna Mission V.C. College, Rahara	WBCHSE	2005
B.E. in IT	University Institute of Technology	Burdwan University	2009
MS in LIS	DRTC	ISI, Bangalore	2012
PhD	Vidyasagar University		2023

### PROJECTS

<b>Title</b>	Design of Database of the employees for Wipro Technologies.
<b>Platform</b>	Linux(Enterprise Edition) and webmin.rpm.
<b>Description</b>	By this system the employees can access their database according to hierarchy basis. One can access their sub-ordinates but not their superiors.
<b>Title</b>	<b>Wavelet based image processing (One year final year college project).</b>
<b>Platform</b>	Visual basic 6.0
<b>Description</b>	Wavelet transform (Haar and Daubechies) are used for image compression and decompression and subsequently analyze the image quality and comparison.
<b>Title</b>	<b>Living Knowledge Project, European Union</b>
<b>Description</b>	Analysis of text , keyword extraction and arrange in DEPA facet sequence of the news database euobserver.
<b>Title</b>	<b>Building Ontology on Sculpture as part of Living Knowledge project and Trento University, Italy.</b>
<b>Description</b>	Universal Knowledge portal and Wordnet used to build an Ontology on sculpture through UK gloss and hierarchical relationship in DERA structure.
<b>Title</b>	<b>Creating Multi-thesaural framework through Apache Solr</b>
<b>Description</b>	Agrovoc,NAL thesaurus skos files are transformed into xml file by writing xslt transform schema and indexed through Apache solr. As there is a common index for 2 thesauri,user can access both thesauri from one search interface . Apache nutch is also used to crawl agriculture related websites and the index is merged with apache solr. A search interface is made through Apache Velocity.
<b>Title</b>	<b>EPIKH (European Project)</b>
<b>Country Visited</b>	<b>Catania University, Catania, Sicily, Italy</b>
<b>Description</b>	An ontology based repository was created on Rice information and schema was created to map related concepts pertaining to rice.
<b>Platform</b>	Protege, Sesame ontological Server, European GRID Structure

## TRAINING

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1. One month in-company summer training on “Network Management Using Linux” certified by I.I.M Calcutta organized by NETTECH .
2. Koha and NewGenlib installation and customization workshop in DRTC,2011
3. “Advanced Dspace” workshop in DRTC,2011
- 4.UGC-SAP Sponsored national workshop on Scientometrics in Karnataka State University,Dharwad,2012
5. Green Belt in Statistical Quality Control from the department of SQC and OR in Indian Statistical Institute, Bangalore

## TECHNICAL SKILLS

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<b>Languages</b>	<b>C ,</b>
<b>Database</b>	<b>Oracle, MySql, SPARQL</b>
<b>Working Platforms</b>	<b>Windows XP ,UNIX , Linux.</b>
<b>Research Interest</b>	<b>Informetrics , Scientometrics , Ontology</b>
<b>Library Management Software</b>	<b>Koha</b>
<b>Scripting Language</b>	<b>HTML,XML</b>
<b>Ontology Software</b>	<b>Protege</b>
<b>Indexing Software</b>	<b>Apache-Solr, Nutch, Velocity</b>
<b>Statistical Software</b>	<b>R, SPSS, Minitab, Strata</b>

## TEACHING EXPERIENCE

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I have two and half years teaching experience for MS students of DRTC, Indian Statistical Institute, Bangalore on Scientometrics, Infomometrics and Webometrics; Research Methodology and Cataloguing Theory. I am also serving as Guest Faculty to Department of Library and Information Science, University of Kalyani. I am also teaching in B.A./B.Sc. in Library and Information Studies(Hons) since 2019[Courses – Reference Sources and Services, Computer and IT Skills (1 and 2 including practical), Classification Theory and others.

## PUBLICATION

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1. Madhuryamaya Das, Anindya Basu. Bridging Copyright to Open Access. ICTK conference Proceedings,Vol-1,P. 511-519,2012.

2. Saravanan G., & Basu, A. (2014). Authorship and collaboration pattern in ecological applications: A Scientometric Study. In 3rd National Conference on Scientometrics, Big Data Analytics and Libraries, Kuvempu University. ISBN: 978-81-923260-2-3.
3. Basu, Anindya and Chatterjee, Usashi(2014). Evaluation of Semantic Web Search Engines. SciDataCon, New Delhi.
4. Basu, Anindya and Paul, Mita(2014). An Overview on Semantic Web Search Engines and a case study, International Conference of Information Retrieval, Jadavpur University, Kolkata.
5. Basu, Anindya and Paul, Mita (2015). Semantic Web Search Engines: A Case study. National Conference on LiNE: Libraries in Next Era (January,2015) organized by University of Kalyani.
6. Basu, Anindya(2016), Open Data: A Derived Culture of Open Access. International Conference on LiNE: Libraries in Next Era, organized by University of Kalyani.
7. Basu, Anindya; Chowdhury, Rahul (2018), Dominant Players in Educational Empowerment: A Judgemental Game, International Seminar on Women, Society and Politics: A Study on India and Bangladesh (ISWSP-2018), Karimpur Pannadevi College, Karimpur.

### **Book Chapter**

1. Basu, Anindya (2017), Semantic Web, Ontology and Linked Data. Book Title- Managing Knowledge and Scholarly Assets in Academic Libraries: Issues and Challenges, p. 189-217 , IGI Global.

### **Journal**

1. Paul, Mita and Basu, Anindya (2015). A Study On Open Access In Indonesia. International Journal of Library Science and Research 5(4), pp. 11-20.
2. Basu, A., & Dutta, B. (2023). Redesigning of Lotka's Law with Simpson's 3/8 Rule. *Journal of Scientometric Research*, 12(1), 197–203. <https://doi.org/10.5530/jscires.12.1.017>

### **Online Course Module**

1. e-PG Pathshala, Subject- Library and Information Science, Module Name:- Statistical Methods for Information Retrieval, Paper Name- Information storage and Retrieval.
2. Course writer on Chapter named as "Literature Review" in MLIS level course Material, Netaji Subhas Open University.

### **Other Professional Activity**

1. Acting as Project Guide for MLIS Students of NSOU.

## **EXTRA CO-CURRICULAR ACTIVITIES AND ACHIEVEMENTS**

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Best Seminar presentation on "Latent Semantic Indexing" in DRTC , 2012  
 Won 1<sup>st</sup> prize in Technical Paper Representation on " Networking System of Mobile IP" in Annual Technical & Cultural fest, Waltz-2007  
 Won 1<sup>st</sup> prize in C-Programming in Waltz-2007.  
 Won 1<sup>st</sup> prize in Quiz competition in Waltz-2006  
 Won 1<sup>st</sup> prize in C-programming in Waltz-2006  
 Won 3<sup>rd</sup> prize in Quiz competition in Waltz-2005  
 Won 1<sup>st</sup> prize in Quiz at school level in 2000 and 2001  
 Won 2<sup>nd</sup> prize in essay competition at school level in 2000.

