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R. N. PATEL IPCOWALA SCHOOL OF LAW & JUSTICE

R. N. PATEL IPCOWALA SCHOOL OF LAW & JUSTICE

Five Days Workshop on Data Carpentry for Library Professionals: Practical Skills for the Digital Age

12th to 17th October, 2023

A BRIEF PREVIEW OF THE PROGRAMM

Data Carpentry for Library Services is a specialized training program that equips librarians with essential data management and analysis skills to enhance library services in the digital age. Through the workshops, librarians learn data wrangling, reconciliation, and named-entity recognition techniques using open-source tools. This empowers them to efficiently handle large datasets, improve information organization, and provide data-driven insights to users. Therefore, to prepare LIS professionals with new skills and knowledge, we propose five days' workshop on "Data Carpentry for Librarians: Practical Skills for the Digital Age" for people working in library- and information-related roles during 12th to 17th October, 2023. This workshop covers a wide range of topics, including installation and configuration of OpenRefine, data fetching and extraction, library carpentry for citation and Altmetric data, data reconciliation, Named Entity Recognition, automated subject indexing, and much more.

REGISTRATION LINK: https://forms.gle/5o3osorKyVuF97EB7

ABOUT CVM UNIVERSITY

Charutar Vidya Mandal University (CVM University) (Estd. 2019), Vallabh Vidyanagar-388 120, Gujarat, India - a leading University of Gujarat having a strong lineage of Pre-Independence era (1945 onwards) (Managed by a renowned Trust - Charutar Vidya Mandal (CVM) with a vision of Sardar Vallabhbhai Patel, established under the Gujarat Act No. 8 of 2009, Government of Gujarat. University Grants Commission (UGC), Govt. of India has empowered CVM University to award Degrees under Section 22 of UGC Act 1956. CVMU legacy of knowledge aims to enlighten the future generations by inspiring innovations, forward thinking for a better tomorrow. Presently, CVM University offers 129 programs from Undergraduate to Doctoral (Ph D) under the tutelage of 19 Constituent Colleges / Institutes, Eight (08) Faculties, Four (04) Major Centers / Cells, employee strength of 1000+ and student strength of 10000. The programs are offered in the allied disciplines of Technology & Engineering, Architecture, Pharmacy, Pure and Applied Sciences, Computer Sciences, Commerce and Management, Law and Ayurveda among others. As a University, CVMU intends not just to hand a map to those willing to follow it, but to inculcate leadership and restlessness into a new generation. Therefore, the thrust, at CVMU, is on need-based Teaching-Learning and socially relevant Innovations and Research.

ABOUT THE INSTITUTE

As a tribute to Sardar Patel & other founders, Hon'ble Chairman of CVM, Late Dr. C. L. Patel established a Law College in the name of R.N. Patel Ipcowala School of Law & Justice as first ever Law School in India in the year 2012, which provides Honors degree based on choice based credit system offering 5- years integrated law courses, BA, LL.B (Hon's) / BBA, LL.B (Hon's) / B.Com, LL.B (Hon's). R N Patel Ipcowala school of Law & Justice is constituent college of The CVM University and also famous for its highly experienced & knowledgeable faculties, eminent guest speakers, innovative courses, moots and super structured internship policy and infrastructure. R N Patel Ipcowala School of Law & Justice is very popular and created the brand name among the Law schools in Gujarat even though it was established few years back. R N Patel Ipcowala School of Law & Justice is moving towards glorious days ahead and can be very effective in providing necessary guidelines to promising and future legal fraternity.

**R. N. PATEL IPCOWALA
SCHOOL OF LAW & JUSTICE**

Five Days Workshop on
Data Carpentry for Library Professionals: Practical Skills for the Digital Age

OBJECTIVES OF THE WORKSHOP

- Provide hands-on training to participants on the practical application of open source data wrangling tools and techniques.
- Equip professionals with the necessary expertise to navigate and utilize new generation tools for efficient data management and analysis.
- Foster a comprehensive understanding of data science methodologies and their application in the library and information science field, enabling participants to adapt to evolving data-driven landscapes.

OUTCOMES OF THE WORKSHOP

- Participants will acquire a deep understanding of open source data wrangling tools and techniques, allowing them to confidently apply these skills in real-life scenarios.
- Participants will gain proficiency in utilizing new generation tools for data wrangling, data reconciliation, and Named-Entity Recognition (NER) through hands-on training and practical exercises.
- The workshop will inspire participants to continue their professional development in data science, encouraging lifelong learning and a commitment to staying updated with emerging trends and technologies.

Details of Programme

Who can Participate	Librarians / Faculty Members / Students and other professionals working in library and information related roles.
Registration Fee	₹ 1200/- (Inclusive of all Taxes) Per Person
Certification	The participants who have attended all the days will get a certificate of participation within 10 days after completion of the programme.
Mode of Workshop	Online platform. Specific link will be sent on registered email address.
Registration Link	https://forms.gle/5o3osorKyVuF97EB7
Important Dates	Last date for Registration: 7th October, 2023
Requirements	Applicants must have basic computing skills.

Resource Persons

Prof. Parthasarathi Mukhopadhaya

Parthasarathi Mukhopadhyay is a Professor in Library and Information Science and Head, Department of Library and Information Science, Kalyani University. Prof. Mukhopadhyay, a recipient of Best Young LIS Teacher award (IASLIC), is an open source enthusiast and worked as a developer and promoter of many open source projects. He has more than 100 papers in journals and conference volumes, and five books in his beeline. His recent book on Interoperability and Retrieval is published by UNESCO, Paris. Prof. Mukhopadhyay acted as a metadata consultant for the project NDL (National Digital Library) hosted by IIT, Kharagpur. He is presently a member of the Advisory Committee for National Virtual Library Project of Ministry of Culture, Govt. of India. He developed VidyaOnline as e-learning portal for Vidyasagar University in 2006 and presently running three online courses in SWAYAM platform. His research interest in Open source, Open access and Open standards in Information sciences.

Prof. Aditya Tripathi

Prof. Aditya Tripathi is a distinguished Professor and Former Head of the Department of Library and Information Science, Banaras Hindu University (BHU), Varanasi, UP. Over many years of experience, he is renowned for his expertise in IT Applications, Digital Libraries, and Digitization. He holds a Ph.D. from the University of Pune and is an alumnus of BHU and the Indian Statistical Institute. He is celebrated for developing digital library test beds on platforms like DSpace and Greenstone and has authored course materials for prestigious institutions like IGNOU and Hyderabad Central University. As a recipient of the Smt. A Satyavathi and Prof A A N Raju - IASLIC Best Young LIS Teacher Award, Prof. Aditya has made significant contributions to the field. He has an extensive research portfolio, including international collaborations in Germany and Thailand. Prof. Aditya has published prolifically, with articles in renowned journals and books on various aspects of library science and information technology.

Dr. Raina D. Gaharwar

Dr. Raina Gaharwar is a distinguished academic and researcher in Computer Science, holding a Ph.D., M.C.A., and B.Sc. She serves as a Lecturer at the PG Department of Computer Science, Sardar Patel University, Vallabh Vidyanagar, since 2012. Her Ph.D. work led to the development of a ground breaking Terrorist Web Miner model. With various research papers in international journals and conference presentations, she has demonstrated her expertise. Dr. Gaharwar played crucial roles in coordinating State Level IT Quiz and Programming Competitions. Specializing in Data Mining, Web Mining, SEO, Meta-Search Engine Optimization, and Web Application Development, her notable publications include papers on Degree Centrality in Terrorist Networks and Search Engine Optimization.

TENTATIVE SCHEDULE

Day: 1 - Introduction to Data Carpentry Tool - OpenRefine

Date/Day	Time	Particulars	Resource Person(s)
12th October, 2023 Thursday	11 :00 AM to 12 : 30 PM 02 : PM to 03 : 30 PM	• Introduction of Data carpentry- tools & rules • Installation and configuration of OpenRefine in Linux and Windows environment • Concept of REST/API and sources for API-enabled ODbL datasets • Experiment with data fetching and data extraction in OpenRefine (Open Access Status determination)	Prof. Parthasarathi Mukhopadhyay

Day: 2 - Advanced Data Carpentry

Date/Day	Time	Particulars	Resource Person(s)
13th October, 2023 Friday	11 :00 AM to 12 : 30 PM	• Library carpentry for citation and altmetric data • Deep faceting of data • GRELs in depth	Prof. Parthasarathi Mukhopadhyay
	02 : PM to 03 : 30 PM	• Data reconciliation -concept and tools • MARC data import/export in/from OpenRefine • Data reconciliation - name authority Subject authority	

Day: 3 -Data Carpentry for Text

Date/Day	Time	Particulars	Resource Person(s)
14th October, 2023 Saturday	11 :00 AM to 12 : 30 PM 02 : PM to 03 : 30 PM	• Named Entity Recognition (NER) • Use of Stanford NLP • Automatic sentiment analysis • Automated subject indexing - the future possibility (Demonstration only)	Prof. Parthasarathi Mukhopadhyay

Day: 4 - MarcEdit

Date/Day	Time	Particulars	Resource Person(s)
16th October, 2023 Monday	11 :00 AM to 12 : 30 PM 02 : PM to 03 : 30 PM	• Introduction to MarcEdit • Getting Started with MarcEdit • Working with MARC files • Layout of the MarcEditor • Profiling Your MARC data • Manipulating MARC data • Tasks and Automation • Integrations • Regular Expressions	Prof. Aditya Tripathi

Day: 5 - Introduction to Git/GitHub and Web Scrapping

Date/Day	Time	Particulars	Resource Person(s)
17th October, 2023 Tuesday	11 :00 AM to 12 : 30 PM	• Introduction to Git/GitHub • Getting started with Git • Sharing your work • Review • GitHub Pages	Dr. Raina D.Gaharwar
	02 : PM to 03 : 30 PM	• Introduction: What is web scraping? • Open Source Web Scraping Tools • Selecting content on a web page with XPath • Manually scrape data using browser extensions • Web Scraping for Content Creation	

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Contact

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(A Constituent College of The CVM University)
(A Self-Financed English Medium College || Approved by BCI, New Delhi)

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