

Two-day Workshop

On

**“LaTeX-An efficient Documentation Tool”**

**March 17-18, 2017**

Organized by



**Department of Computer Science and Informatics**

**University of Kota, Kota (Raj.)**

**About the University of Kota:** The University of Kota is a state University recognized by U.G.C. under section 2(F) & 12(B) by the UGC act 1956, was established in the year 2003 in a culturally rich heritage city Kota situated at the bank of holy river Chambal. Presently, 176 colleges of south east Rajasthan, that is Hadoti region consisting of six districts, are under the territorial jurisdiction of the university. The university has six faculties and been offering various academic programmes including MBA, MCA, M.Sc. in Physics-Energy, Pure Chemistry, Industrial Chemistry, Wild Life, Life Sciences, Heritage etc.

**About the Department:** The department of Computer Science & Informatics has come into existence in the year 2007. Since from inception, the department is imparting quality technical and research education in the leading fields of computer science to young and bright students to improve society needs. The department is running Master of Computer Applications (MCA) and Ph.D. programs. The faculty members are actively involved in research in the field of Wireless Ad-hoc Networks, Artificial Intelligence, Software Testing, Cloud Computing, Image Processing etc.

**ABOUT THE WORKSHOP:** The workshop is intended to provide hands on experience on LaTeX. The workshop is designed to cover and create structured documents containing mathematical equations and can also be used for any type of research document. LaTeX being a high quality typesetting language requires a practice to overcome a short learning curve. The workshop sessions will be fully filled with tutorials giving you enough opportunity to practice and explore more. The target audience for this workshop are faculty members/Research scholars/M.Phils/PG students and others people from industry who rely on publishing high quality thesis, textbook chapters, report preparations and research papers.

## Objective:

LaTeX is a document preparation system for producing professional-looking documents, it is not a word processor. It is particularly suited to producing long, structured documents, and is very good at typesetting equations. It has several following advantages:

Separation of content and style	Portability
Control	Flexibility
Quality	Output
Scalability	Free of cost

## Topics to be covered:

<b>Day-I (17/03/17)</b> 1. Introduction to LaTeX <ul style="list-style-type: none"><li>Why LaTeX?</li></ul> 2. Basic Document Creation <ul style="list-style-type: none"><li>Creating basic document</li><li>Changing the class (article, report)</li><li>Section, subsection</li><li>Chapter, paragraph, subparagraph</li><li>Generating table of contents</li><li>Starred version of the commands</li><li>Title creation</li></ul> 3. Formatting the Document <ul style="list-style-type: none"><li>Special characters</li><li>Dashes &amp; Hyphens</li><li>Spacing &amp; newline</li><li>Footnote</li><li>Formatting (bold, italic, underline, emph)</li><li>Itemize &amp; enumerate</li><li>Flush left &amp; right</li></ul> Writing Abstracts	<b>Day- II(18/03/17)</b> 4. IEEE format <ul style="list-style-type: none"><li>Creating documents in IEEE format</li><li>Installation of Latex both in Windows and Linux</li><li>Managing the important packages (Graphics X for images etc)</li></ul> 5. Advanced Topics <ul style="list-style-type: none"><li>Tables</li><li>Mathematics</li><li>Equations</li><li>Greek letters</li><li>Equation numbering</li><li>Vectors</li></ul> 6. Graphics <ul style="list-style-type: none"><li>Inserting images</li><li>Giving caption and label</li><li>Sub_gures</li></ul> 7. Referencing <ul style="list-style-type: none"><li>Create references.</li></ul> 8. Introduction to Beamer <ul style="list-style-type: none"><li>Creating presentations using Beamer class</li><li>Brief introduction to beamer</li></ul>
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## Registration

- Fee: ₹ 200/-
- Registration form is available on-line at <https://goo.gl/forms/h84jv8H89HGSjfZW2>.
- Registration will be on the basis of first come first register (last date of registration is 15/03/17).
- Registration fee includes high tea during sessions, writing materials and certificates.

Bank Details (for NEFT)	PayTM Details
Bank Name:Oriental Bank of Commerce A/C Holder Name: Head, CSI IFSC: ORBC0100895 A/CNo: 08951131000457 Address: VMOU, Rawat Bhata Road,Kota	8764321836

**Seats:** Seats are limited to 40

## Eligibility of the Participants:

Faculty members/Research Scholars/Post-Graduate students/Industry Persons

## Resource Persons:

- Dr.Harish Sharma, RTU, Kota
- Dr. Aditya Mishra, RTU,Kota
- Mr.K K Sharma, UOK, Kota

**Patron**

Prof. P K Dashora  
Hon'ble Vice-Chancellor, UOK, Kota

**Convenor**

Prof. Reena Dadhich

**Advisors**

Dr.O P Rishi  
Dr. P C Gupta

**Co-convenor**

Mr.K K Sharma

**Organizing Committee**

Dr. Arvind Sharma  
Dr. Pradeep Agarwal  
Mrs. Rekha Sharma  
Mrs. Divya Sharma

**Venue**

Department of Computer Science & Informatics,  
University of Kota, Kota, Rajasthan, INDIA

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