# My First LATEX document

P. K. Yadav<sup>1</sup>\*, K. Kumar<sup>2</sup>, F. A. Faroque<sup>3</sup>

<sup>1</sup>Manipal University Jaipur, <sup>2</sup>PMO Office, Delhi, 3CM Office Srinagar, J & K
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#### Abstract

Why waste time check results in section (2)

#### 1 Introduction

Let us start with the list. I am learning LATEX because of the following:

- 1. I find it cool
- 2. I find it hot
- 3. I can not sense temperature

A sum of square of x and that of y produces a square of a, mathematically,  $x^2 + y^2 = a^2$ . We may represent it as:

$$f(x,y) = a^2 (1)$$

#### 1.1 Actual Problem

The nested Lists.

- $\square$  The itemize label at the first level is a bullet.
  - 1. The numbering is with Arabic numerals since this is ...
    - ♦ This is the third level of the nesting, but the ...
      - (a) And this is the fourth level of the overall ...
      - (b) Thus the numbering is with lower case letters ...
    - $\diamond$  The label at this level is a long dash.
  - 2. Every list should contain at least two points.
- $\square$  Blank lines ahead of an ...

<sup>\*</sup>Corresponding Author: P.K. Yadav, rs@pm.0.in



Figure 1: The first figure, Sharda Uni Logo.

## 2 Results

Let us insert a figure here. A standard scientific document has figure at top or at the bottom of the page.

## 3 Discussions

## 3.1 Lagrange TeX tables

The simplest table.



Figure 2: The first figure, Sharda Uni Logo.

 $\begin{array}{cccc} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{array}$ 

Table 1: The first table

A	В	С
2	4	Y
	8	N
8	7	Y

Table 2: More table

### 3.1.1 Case-Study I

Table with \cline{i-j}

### 3.1.2 A slightly complex table

Merging several columns, we follow Leslie [1985].

#### 3.1.3 Colorful table

### 4 Conclusions

#### 4.1 Future works

## 5 Appendices

### 6 Acknowledgements

We appreciate the great work of Leslie [1985], which let us write our work more beautifully. Of course we also thank also Prof. Knuth for his grand work [Donale, 2000, p. 215].

### References

Leslie Lamport, 1985. LATEX-A Document Preparation...

Donald E. Knuth, 1989. Typesetting Concrete Mathematics,...

Ronald L. Graham, ...

Team sheet		
С	M. Dhoni	
BM	V. Kohli	
BM	R. Sharma	
BR	Z. Khan	
BR	I. Sharma	

Table 3: A slightly complex table

$\operatorname{odd}$	$\operatorname{odd}$	$\operatorname{odd}$
even	even	even
$\operatorname{odd}$	$\operatorname{odd}$	odd
even	even	even

Table 4: A colorful table