

B.V. Raju College

(Formerly Dr. B.V. Raju Institute of Computer Education)

Affiliated to Adikavi Nannaya University

Vishnupur, BHIMAVARAM,

West Godavari Dist-534 202, A.P., India

Tel: 08816 - 250861/62,

Email: bvrcollege@rediffmail.com

www.bvricedegree.edu.in

31st July 2017

To

The Principal,

V S K Degree College,
Bhimavaram.

Respected sir,

Sub: Guest Speaker Invitation

The department of Computer Science wishes to conduct a seminar on "Advanced Excel Functions" for I BSc I Semester students of our college on 05-48-2017 from 10 AM to 12 PM.

Kindly depute one of your Computer Science faculty members as a resource person to deliver an expert lecture on "Advanced Excel Functions". We believe that your contribution to this field is unparalleled and a workshop on this topic will be of great benefit.

Thanking you.

COLUMBUS COL

Yours Sincerely

B.V. RAJU COLLEGE SISHNUPUR, BHIMAVARAM. 534

VABILISETTY SATYANARAYANA KRISHNAMURTHY DEGREE COLLEGE

(Affiliated to Adikavi Nannaya University) Dirusumarru Road, BHIMAVARAM - 534 201



Off: 233794

Mobile: 8977826235

Email.vskcollegebvrm@gmail.com

Smt.A.V.RAMANA,

M.A., M. Phil., Principal (FAC)

Bhimavaram,

01-08-2017.

To.

The Principal,

B V Raju College,

Vishnupur,

Bhimavaram.

Respected sir,

Sub: Acceptance of Invitation to Seminar

Thank you for your invitation to the seminar on "Advanced Excel Functions" hosted by Department of Computer Science on 05-08-2017 from 10 AM to 12 PM.

I am happy to inform you that Mrs. I V SIVA KUMAR, M.Tech HOD of Computer Science will be in the resource person. Please send more information about this seminar directly to my attention.

As mentioned in your letter, this is an excellent opportunity to enhance our working relationship. We look forward to it!.

Thanking you.

ours Sincerely

V. S. K. Degree Conega BHIMAYARAM-B34201,

VISHNUPUR::BHIMAVARAM

CIRCULAR

Date: 01st Aug 2017

It is informed to that; the department of Computer Science is conducting a seminar on "Advanced Excel Functions" for I BSc I Semester students by Mr. I V Siva Kumar, M.Tech

HOD of Computer Science in V S K Degree College on 05th Aug 2017 from 10 AM to 12 PM.

Interested students could consult Mr. B Naresh to enrol your names.

2. Panaloo

HOD
Head of the Department,
Dept. of Computer Science
B.V. Raju College, BHIMAVARAM-2

Principal

PRINCIPAL
B.V. RAJU COLLEGE
Vishnupur, BHIMAVARAM-534 202

B V Raju College

Vishnupur::Bhimavaram

Workshop on Advanced Excel Functions Department of Computer Science

Date: 5th Aug 2017

I BSc (MECs,MPCs & MSCs)

		Attendance She	CI .	
S No	Roll No	Student Name	Section	Signature
1	173117137243	AINAMPUDI RAMYA SUREKHA	MECs	A. Yonya Surekla
2	173117137245	ALLURI LAKSHMI PRASANNA	MECs	A. Cake him: prasauma
3	173117137247	AMANAPU SIVA PARVATHI	MECs	A-Siva Dayrothi
4	173117137252	BADDI RAVINDRABHARATHI	MECs	B Yavindra Boratti
5	173117137258	BANDI REKHA SATYA SREE	MECs	B. Satyasvec.
6	173117137263	CHENCHALA PAVANI	MECs~	c. Pavanî
7	173117137267	DANGETI NAVEEN	MECs	D. Naveen
8	173117137270	GALIDEVARA JAGADEESH	MECs	G. Jagadoczb
9	173117137276	GUDURI LAKSHMI PRIYANKA	MECs	Gr. Caksfui Dryanco
10	173117137278	IMANDI SRIKAR KARUNA SAGAR	MECs	M.s.k. Sagar
11	173117137285	KADALI USHA DHARANI	MECs	of USher othoromi
12	173117137290	KATURI PRAVEENYA	MECs	K. Praveenya
13	173117137292	KODE PRAMODH	MECs	K. Paramobla
14	173117137296	KONITHIVADA ANUJA	MECs	Anuja
15	173117137300	KOSURI YAJNAPRIYA	MECs	K. Yajna priya
16	173117137303	K V V V BHAVA DURGA	MECs	K. V.V. V. B. Durga
17	173117137304	K LAKSHMI DURGA BHAVANI	MECs	k. Plavani
18	173117137313	MUDUNURI DHARANI	MECs	M. Dharani
19	173117137315	N MOHINI GANGA BHAVANI	MECs	N. Granga Bharam.
20	173117137319	NANDYALA SIRISHA	MECs	N. Sirisha
21	173117137326	PENIMATHSA SIRISHA	MECs	P. sivisha
	173117137328	PENMETSA NAGA HARITHA	MECs	P. waga hariffha
		POLIREDDI ROHINI DEVI	MECs	P. Rohini de vi
		S SRI LALITHA RASMITHA	MECs	S.S.I. Rasmitha
		SHAIK ABDUL RAZAK	MECs	S. A.Rarak
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26	173117137350	TOOPATI YOGAMBICA	MECs	YOGIAMBICA
27	173117137355	VENDRA ADITYA KUMAR	MECs	V. Apitya Luma.
28	173117137358	YADLA SRI RAMA SWAMY ANIL	MECs	4.5. R.S. Anil
29	173117102062	ALLURI VALLI PRAVALLIKA	MPCs	Ar Pravallika
30	173117102067	BALLARI SHABREEN	MPCs	R ShaBreen
31	173117102069	CHENNAMSETTI VANI SRI LATHA	MPCs	c.v.s.Latha
32	173117102072	DAMISETTI SAI TEJA	MPCs	D. Sai Teja
33	173117102073	DARAPUREDDY HARINI SRI	MPCs	D. Havini Sou
34	173117102079	GUDDATI SRI SATYA HEMALATHA	MPCs	G. Tremalatha
35	173117102083	JUTTIGA VASUDHA	MPCs	J. Vasudha
36	173117102086	KOTHA RAMYA SRI	MPCs	K. Ramya Sri
37	173117102091	MADDALA NAGA SWATHI	MPCs	M. Noga gunifii
38	173117102096	MUCHATLA YAMINI DIVYA	MPCs	M. Yunin Duya.
39	173117102098	MUKKU SITA MAHA LAKSHMI	MPCs	M. sitamaha lakshini
40	173117102102	PAMPANA DHARANI	MPCs	P. Dharani
41	173117102104	PATNALA S S MANOJ KUMAR	MPCs	Ps. s Manoj rumar
42	173117102113	R G N LAKSHMI PRASANNA	MPCs	R prasanna
43	173117102117	VALAVALA BALA TRIPURA SUNDARI	MPCs	V.B.T. Sundari
44	173117102120	YERRA YAMINI LAKSHMI	MPCs	Y. Yanini labshmi
45	173117109124	AKULA SOWBHAGYA LAKSHMI	MSCs_	A: Sou Bagya
46	173117109128	BOTTA LAHARI	MSCs	B. Lahari
47	173117109132	CH LEELA MANUSHA	MSCs	Ch. Marriesha
48	173117109138	GUNTU SINDHU	MSCs	Gr. sindhu
49	173117109143	KALIDINDI VIDYADEVI	MSCs	K. Vidyadevi
50	173117109148	K V RATNA DURGA SIRISHA	MSCs	KV. R. Darga sirida
51	173117109155	M V V SATYANARAYANA MURTHY	MSCs	M.V.V. S. Murthy.
52	173117109166	POTTI JYOTHI SAI SRI LAKSHMI	MSCs	P. Lakshnii
53	173117109177	T NAGA SATYA SIVA SAI SRI	MSCs	Sha ,
54	173117109179	VANAPALLI PRATHYUSHA	MSCs	V. Prathy sha
				-

Dept. of Computer Science
Dept. of Computer Science
B.V.Raju College, BHIMAVARAM-2



B.V. Raju College

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05th Aug 2017

To

Mr. I V Siva Kumar,

HOD of Computer Science,

V S K Degree College,

Bhimavaram.

Dear Sir,

Sub: Letter of Appreciation.

Thank you very much for delivering an informative and thought provoking lecture on "Advanced Excel Functions" held on 05-08-2017 at B V Raju College, Vishnupur, Bhimavaram.

It is really a splendid lecture that exposed our students to the field practices. All the students appreciated and got benefitted from your views on the subject.

Looking forward for your cooperation for the promotion of compute education in future as well.

Thanking you.

Deceived Copy by

Yours Sincerely,

Vishnopur, SHIMAYARAM-37420

Introduction to Excel

VSK DEGREE COLLEGE I V SIVA KUMAR BHIMAVARAM

Worksheets

Excel's main screen is called a "worksheet".

 Each worksheet is comprised of many "cells" boxes, called



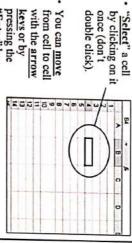
Organize Information

 You can organize information by typing a single piece of data into each cell. (see next slides)

6/1/2008 Sper hr Paycheck 40 15 \$ 800.00 20 10 \$ 200.00 30 20 \$ 600.00 40 14 \$ 500.00 \$1,400.00 0

Selecting a Cell

• You can move from cell to cell with the arrow kevs or by pressing the "Enter" key.



Entering Information / The Formula Bar

 When you are done either To enter information in a cell, just start typing.

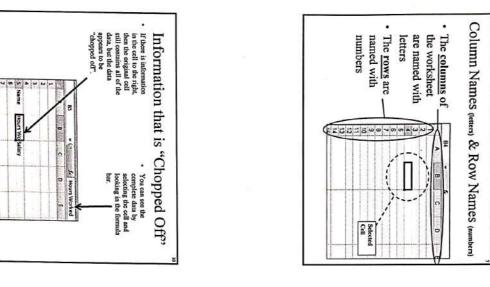
- Press the Enter Key
- Press an arrow key
- Click on the "they button" (only visible when entering data into a cell)

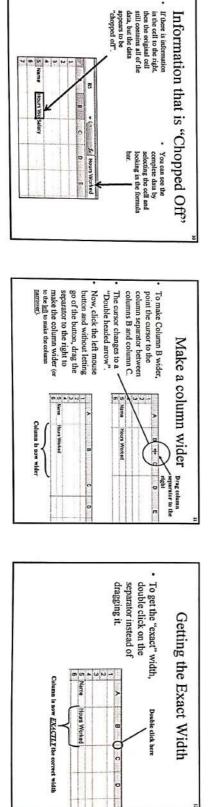
The information in the selected cell is also displayed in the "formula bar" above the worksheet.

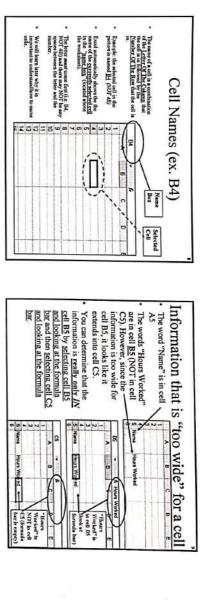
Double Click to Modify a Cell

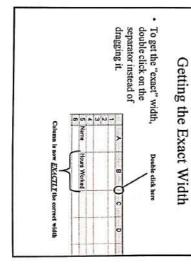
- To modify the contents of a cell double click on the cell.
- Then use the right, left arrow keys and the Insert and Delete keys to modify the data
- When you are done: - Press the Enter key
- Click on the check box.

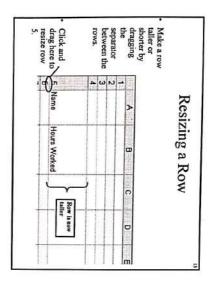
* * 5 5 5 5 6 9 8 Double click to change "hi there" to "hello there"

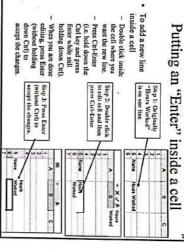


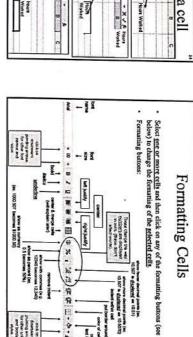














Unformatted worksheet – see next slide for formatting

=	10	9	8	7	6	On	4	ω	2	-	12
Total		Abe	Meg	Joe	Sue	Employee Hours Name Worked		To	From	Payroll	A
						Hours Worked		6/1/2	6/1/2008		8
		8	8	20	8			8	8		
						Salary Per Hour					c
		=	8	ó	2						ij.
=		~	•	~	•	ay				-	ä
1,960.00		\$ 580.00	600.00	200.00	600.00	check					0

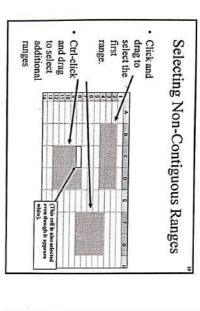
Example -making cells bold

- Click on cell A1 and drag to cell A3.
 Then press the Bold button to make cells A1,A2,A3 bold.
 You could also press the fine to bedground color buttons to change the color or apply any other formatting you like (this is not shown below).

=	10	9	8	63864	σ	Oh	4	ω	2	-	
11 Total		Abe	Meg	Joe	Sue	Employee Hours Name Worked	***	To	From	Payroll	A
		8	8	28		Hours Worked		6/7/2008	6/1/2008		6
			23			Salary Per Hour					0
•		•	•	•	•	P					100
\$1,960.00		550.00	600.00	200.00	600.00	Paycheck					0

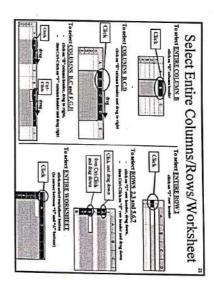
Other Ways of Selecting More Than One

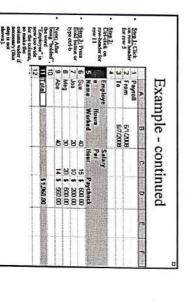
- To select a large range of cells, click on the upper left cell in the range. Then hold the shift key and click on the lower right cell in the range.
- You can select different "non-contiguous" areas of cells by holding down the Ctrl key while clicking and dragging.

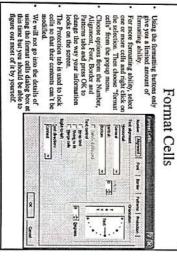


Selecting entire Rows, entire Columns or all cells on the worksheet.

- To select an entire column, click on the letter for the column header. To select several columns, click on the header for the first column and drag to the right.
- To select an entire row, click on the number for the row header. To select several rows, click on the header for the first row and drag down.
- To select all of the cells on the spreadsheet, click on the upper left hand corner of the spreadsheet (where the column headers meet the row headers)







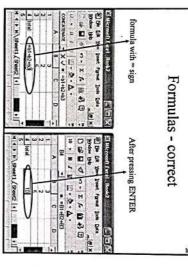
Formatting changes how things LOOK, not how they WORK.

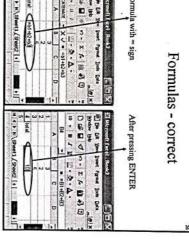
- NOTE: you will probably not understand this slide until after you learn about Excel Formulas.
 Formulas are covered later in this presentation.
 When you change the format of a cell, Excel still
- "remembers" the original value.

 Excel will use the un-formatted value when calculating formula values.
- Example: if you change numbers to appear with fewer decimal points the original number with all of its decimal points are used in calculations.

Excel Formulas

- The = sign tells excel that the contents of the cell You must have an equals sign (=) as the first character in a cell that contains a formula.
- Without the = sign, the formula will not calculate is a formula anything. It will simply display the text of the





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3 4 10 10 10 10 10 10 10 10 10 10 10 10 10	A - 3	EX Hodge Or Dear Figure Dot Ora	X Eluterant frest floor	After pressing ENTER	Formulas - correct
	-81-82-83 C D	10 to			

	With = sign After pressing ENTER Before In part figure 15th Date 15th Dat	Missing = sign! Before pressing enter Substantifications of the property of
Formulas - correct	Formulas - correct	
F		

(no change - not a function) After pressing ENTER Missing = sign

D & C 1 2 . C □-☆-Δ-

puert Figment Jock Data

Types of operations

 You can use any of the following operations in a operation formula: symbol example

subtraction:

multiplication:

=d1/100=a1*b1 =100-b3=a1+3

=a2^2

addition:

exponentiation division:

(same symbol as subraction)

 You can use both explicit values and cell references in a formula An explicit value is also called a literal value

Explicit (literal) values and cell references

- Formula with only cell references:

=a1*b1

- Formula with only literal values: =100/27
- Formula with both cell references and literal values:

=a1/100

Common Errors

- The following are some errors that may appear in a spreadsheet (there are others too).
- Cold is no survey to display the results of the formula. To fix this simply make the column wider and the real" value will be displayed metod of the eventual ages. Note that one metod as review ages are broat displayed, Excel will use the "real" value to include formula that reference this coll.
- PNAME?

 You used a cell reference in the formula that is not formed correctly (e.g. =BB+10 instead of =B3+10).
- IVALUE!
 Chunty for read of tying to do muth with a tennal value. Example: "Al*3 where Al contains the word "solo"
- #D[VO]

 Toying to divide by zoro. Example: "3/A1 where A1 contains 0 (zero)
- Circular Reference
 Using a formula that contains a reference to the cell that the formula "New in". Example: period the formula "A1+1 in cell A1 or period the formula "SUM(A1-E2) in any of the cells A1, B1, A2, B2

Complex formulas

- You can use several operations in one function
 You can group those operations with parentheses
- Examples

=3*2+1

=cl*(al+b1)

=(100*a2-10)+(200*b3-20)+30

=(3+2*(50/63+3)/7)*(3+67)

Order of operations

- When using several operations in one formula, Excel follows the order of operations for math. - first:
- third: - second:
- fourth:
- all parentheses innermost first
- exponents (^)

all addition (+) and subtraction (-). Do these starting with the leftmost + or - and work to the right. all multiplication (*) and division (/). Do these starting with the leftmost * or / and work to the right.

Please Excuse My Dear Aunt Sally

The sentence "Please excuse my dear aunt Sally" is a popular mneumonic to remember the order of operations:

- My Dear	- Excuse	- Please	Menumonic
			ı
mulitplication and division (going left to right)	exponents	parentheses	Meaning
	mulitplication and division (going left to right)	exponents multiplication and division (going left to right)	parentheses exponents multiplication and division (going left to right)

Order of operations

· The value of

3+2*5

Si

13

NOT 25!

3+8-(2/4+9 11:3) 3 +(80 / 10)-6 * 2 / 4 + 9 3+(100-20)110-6*214+9 3+8-6-2/4+9 Order of operations

Cntrl-`

- To see the formulas in the worksheet
- Press the Cntrl key at the same time as you press the key (i.e. Cntrl-')
- Press Cntrl-' again to see the values

What is a function?

- A function is a "named operation"
- Functions have
- a name
- parentheses
- parameters/arguments inside the parentheses
- The words parameter and argument mean the same thing
- The number of parameters is one more than the number of with commas (,)

you can have many parameters for one function separated

=SUM(9,a1,b2,5,c1)	=SUM(a1,b1,c1)	=SUM(1,2,3,4,5)	Function	• Examples	The SU
9+a1+b2+5+c1	a1+b1+c1	15	Result		The SUM function

/	Examples C3:E10
/-]- 	s participation of runners
11.00	-LIM
	100 minus

A1:B2

Example: A1:B2 is shorthand for A1,A2,B1,B2

- Followed by the lower right cell of the range

Followed by a colon :

- the name of the upper left cell of the range

See next slide for more examples

The name of a range is

A rectangular box of cells is called a "range"

Ranges

Using a range as a parameter

- Ranges can be specified as a parameters to a function call
- Both of the following function calls produce the same result as =a1+b1+c1+a2+b2+c2+a3+b3+c3+a4+b4+c4 however the 2rd version uses a range and is much shorter.

with a range =SUM(a1:c4) without a range =SUM(a1,b1,c1,a2,b2,c2,a3,b3,c3,a4,b4,c4)

Terminology

SUM(1,2,3,4,5)

- The name of the function is "SUM"
- The parameters or arguments to this function are 1,2,3,4 and 5
- The entire thing, i.e. SUM(1,2,3,4,5), is a function call
- The value of this function call is 15. Another way to say this is that this function call returns 15.

Function calls with multiple parameters

- You can include multiple ranges and cells as parameters
- Example: the following function call has 3 parameters.
 There are two ranges (a1:b2 and c4:c7), one number (100) and one cell reference (d3)

=SUM(a1,a2,b1,b2,100,c4,c5,c6,c7,d3)

=SUM(a1:b2,100,c4:c7,d3)

Is the same as:

VISHNUPUR::BHIMAVARAM

DEPARTMENT OF COMPUTER SCIENCE

DATE: 5th July 2017

PARTICIPANT FEEDBACK FORM

Name of the Student: A. Rangya Susrekha

Register Number: 173117137243

Course & Group: I.BSc MECS

Contact Number: 7702563889

Email ID: Ranyasuriekha@gmail.com

Future events you are expecting: —

How do you rate the event conducted: 1/2/3/4/5

Are you satisfied with event conduction: Yes/No

Comments or Suggestions: Nothing

A. Swickhair Signature of the student

VISHNUPUR::BHIMAVARAM

DEPARTMENT OF COMPUTER SCIENCE

DATE: 5th Aug 2017

PARTICIPANT FEEDBACK FORM

Name of the Student: A. Lakshmi prasanna

Register Number: 173117137243

Course & Group: IBSC-MECS

Contact Number: 1981983820

Email ID: Lakshruprasana@gmail. com

Future events you are expecting:

How do you rate the event conducted: 1/2/3/4/5

Are you satisfied with event conduction: Yes/No

Comments or Suggestions:

A prosama.

Signature of the student

VISHNUPUR::BHIMAVARAM

DEPARTMENT OF COMPUTER SCIENCE

DATE: 5th Aug 2017

PARTICIPANT FEEDBACK FORM

Name of the Student: A. Siva Panvathi

Register Number: 1731[1] 37247

Course & Group: IBSC - MESS

Contact Number: 8309135357

Email ID : partyath 268@g mail.com

Future events you are expecting:

How do you rate the event conducted: 1/2/3/4/5

Are you satisfied with event conduction: Yes/No

Comments or Suggestions: Nothing

A. S. paravathi Signature of the student

VISHNUPUR::BHIMAVARAM

DEPARTMENT OF COMPUTER SCIENCE

DATE: 5th Aug 2017

PARTICIPANT FEEDBACK FORM

Name of the Student: B. Ravindra Bharothi

Register Number: 17311737252

Course & Group: 1st B.sc mecs

Contact Number: 7013551438

Email ID: Ravindra Bharathi @gmail.com

Future events you are expecting:

How do you rate the event conducted: 1/2/3/4/5

Are you satisfied with event conduction: Yes/No

Comments or Suggestions: Mothing.

13. Revinda 13han Hic, Signature of the student