



VISHNU
UNIVERSAL LEARNING

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

16th Aug 2018

To

The Principal,
B R R & G K R Chamber's Degree & PG College,
Palakol.

Respected sir,

Sub: Guest Speaker Invitation

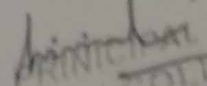
The department of Computer Science wishes to conduct a seminar on "Computer Software" for I BSc I Semester students of our college on 28-08-2018 from 10 AM to 1 PM.

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

Thanking you.



Yours Sincerely


B.V. RAJU COLLEGE
VISHNUPUR, BHIMAVARAM, A.P.



B.R.R. & G.K.R. CHAMBERS DEGREE & P.G. COLLEGE

(Affiliated to Adikavi Nannaya University)

Lajapatiroy Pet, PALAKOL - 534 260, W.G.Dt., A.p.

K.V. Krishna Varma, M.A., P.G.Dt.,
Principal

Off : 08814 - 229521
Cell : 98492 12321
E-mail : cespkl@yahoo.com (College)
krishnavarmakv@gmail.com

16th Aug 2018
Date : _____

To

The Principal,
B V Raju College,
Vishnupur,
Bhimavaram.

Respected sir,

Sub: Acceptance of Invitation to Seminar


Thank you for your invitation to the workshop on "Computer Scoftware" hosted by Department of Computer Science on **28-08-2018** from 10 AM to 1 PM.

I am happy to inform you that **Mr. Lakshmana Rao Kawluri Lecturer of Computer Science** will be in the resource person. Please send more information about this workshop 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.




PRINCIPAL
Yours Sincerely
B.R.R. & G.K.R. Chamber's Degree College
L.R. Pet, PALAKOL - 534 260

B V RAJU COLLEGE

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CIRCULAR

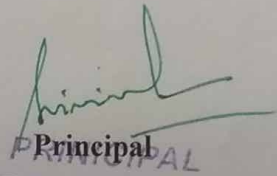
Date: 20th Aug 2018

It is informed to that; the department of Computer Science is conducting a seminar on "Computer Software" for I BSc I Semester Computer Science students by **Mr. Lakshmana Rao Kawluri**, MCA Lecturer in Computer Science, B R R & G K R Chamber's Degree & PG College Palakol on 28th Aug 2018 from 10 AM to 1 PM. Interested students could consult Mr. A V Satyanarayana Raju to enrol your names.



HOD

**Head of the Department,
Dept. of Computer Science
B.V. Raju College, BHIMAVARAM.**



Principal

**B.V. RAJU COLLEGE
VISHNUPUR, BHIMAVARAM-534 202**

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www.bvricedegree.edu.in

28th Aug 2018

To

Mr Lakshmana Rao Kawluri,
Lecturer of Computer Science,
B R R & G K R Chamber's Degree & PG College,
Palakol.

Dear Sir,

Sub: Letter of Appreciation.

Thank you very much for delivering an informative and thought provoking lecture on "Computer Software" held on 28th August 2018 at B V Raju College, Vishnupur, Bhimavaram.

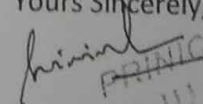
It is really a splendid lecture that exposed our students to the field practices. All the students appreciated and got benefitted from your views on the subject.

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

Thanking you.



Yours Sincerely,


PRINCIPAL
B.V. RAJU COLLEGE
VISHNUPUR, BHIMAVARAM, A.P.

B V Raju College
Vishnupur::Bhimavaram
Seminar on Computer Software
Department of Computer Science

Date: 28-08-2018

I BSc (MECs, MPCs & MSCs)

Attendance Sheet

S No	Roll No	Student Name	Section	Signature
1	183117102055	AKULA RAMANJANEYULU	MPCs	Akula Ramanjaneyulu
2	183117102060	BONDADA M N V DURGA SAI	MPCs	B.M.N.V. D. Sai
3	183117102063	CHATLA MOUNIKA	MPCs	Chatla mounika.
4	183117102067	CHUKKA JAYA SIVAKANTH	MPCs	C. Jaya Sivakanth
5	183117102072	GAJULA UDAYA PANDARI	MPCs	G. Udaya Pandari
6	183117102077	GUBBALA SANDEEPA SRAVANI	MPCs	G. Sandeepa Sravani.
7	183117102082	GUTTHULA RAJESH	MPCs	GUTTHULA RAJESH
8	183117102090	KARRI DURGA MANIKANTA	MPCs	K. Durga Manikanta.
9	183117102093	KARUMURI LAKSHMI SATYA	MPCs	K. Lakshmi Satya
10	183117102096	KEERTHI SRINIVAS	MPCs	K. Srinivas
11	183117102101	KONDA PRIYANKA	MPCs	Konda priyanka.
12	183117102105	KURELLA DHARANI NAGA	MPCs	Kurella Dharani.
13	183117102109	MANDALA ANUSHARANI	MPCs	M. Anusharani
14	183117102114	MOLUGU SRI RANGA JANAKI	MPCs	M. S. Ranga Janaki
15	183117102118	NANDYALA NITYA LAKSHMI	MPCs	N.N. Lakshmi
16	183117102125	PERAM CHINNARI ANASUYA	MPCs	P. Sa. Venkata Raju
17	183117102127	POTTURI SAI VENKATA RAJU	MPCs	Potturi Sai Venkata Raju
18	183117102129	PUPPALA JAYA VYSHNAVI	MPCs	P. Jaya Vyshanavi
19	183117102138	SALADI LAKSHMAN	MPCs	S. Srivalli Priyanka
20	183117102141	SEGU SRIVALLI PRIYANKA	MPCs	S. S. Priyanka
21	183117102144	TANGELLA SUJITHA	MPCs	T. Sujitha
22	183117102148	UNGARALA SIREESHA	MPCs	U. Sireesha
23	183117102151	VEERAVALLI LAKSHMI	MPCs	V. Lakshmi
24	183117102157	YATHAM SRILATHA	MPCs	Yatham srilatha
25	717128505155	KANDULA HIMA NAGA SATYA	MPCs	K. Hima Naga Satya
26	183117137272	BANDARU PAVANI	MECs	Bandaru pavani
27	183117137276	BODDUCHARLA RAJESH	MECs	Bodducharla Rajesh
28	183117137278	BOLLAM KUMAR SAIVENKATA	MECs	C. Durga Naga.
29	183117137282	CHANAPATHI DURGA NAGA	MECs	C.H. Durga Naga.
30	183117137284	CHAVAKULA NAVYA RENUKA	MECs	C.N. Renuka

31	183117137286	CHINTAPALLI GEETHA SREE	MECs	C. Geetha sree
32	183117137288	CHOKKAPU ESWARA	MECs	Ch. Eswara
33	183117137298	GADHIRAJU REVATHI	MECs	Gadhiraju YUKTHA
34	183117137299	GADHIRAJU YUKTHA	MECs	G. Yuktha
35	183117137302	GHANTA HEMASRI	MECs	G. Hemasri
36	183117137304	GORRELA PAVANI	MECs	G. Parani
37	183117137308	INDUKURI SAMYUKTHA	MECs	I. Samyuktha
38	183117137309	JAKKAMSETTI SOWMYA SRI	MECs	J. Sowmya Sri
39	183117137310	JOGI BHANU SRI	MECs	Jogi Bhanu Sri
40	183117137320	KASAGANA SASIVADANA	MECs	K. Sasivadana
41	183117137326	KETA NEEHARIKA	MECs	K. Neeharika
42	183117137332	KOPPINEEDI MANI VIJAYA	MECs	K. M. Vijaya
43	183117137335	KUNA SATYA KUMARI	MECs	K. Satya Kumari
44	183117137340	MANDAPATI JYOTHI	MECs	Mandapati Jyothi
45	183117137348	MYDI SWETHA	MECs	Mydi Swetha
46	183117137351	NAGARAJU HARIVARMA	MECs	N. Harivarma
47	183117137358	PADALA SHANMUKHA SURYA	MECs	P. Surya
48	183117137361	PANASAKARLA GANESH	MECs	P. Ganesh
49	183117137363	PEDDI SRAVANI	MECs	PEDDI SRAVANI
50	183117137370	PUSARAPU SUMA SRI	MECs	P. Suma Sri
51	183117137373	SINGALURI HEMA MOUNIKA	MECs	S. Hema Mounika
52	183117109167	GADIRAJU DEVI KRISHNA	MSCs	G. Krishna
53	183117109171	GUBBALA SRIHARI PRIYA	MSCs	G. Srihari Priya
54	183117109177	JUTTIGA BINDHU MADHAVI	MSCs	J. Bindhu Madhav
55	183117109184	KOMMOJU KUMAR KIRAN	MSCs	Kommoju. K. Kiran
56	183117109185	KORLEPARA SRI LAKSHMI	MSCs	K. Sri Lakshmi
57	183117109189	KUTHADA SREE LAKSHMI	MSCs	K. Sreedakshmi
58	183117109197	NARAHARISETTY SAI HARIKA	MSCs	N. Harika
59	183117109209	RAVIPATI SAI VENKATA KIRAN	MSCs	R. Sai Venkata Kiran
60	183117109212	SIMAKURTHI AMRUTHA	MSCs	S. Amrutha
61	183117109215	VALIVETI SREE AVEKTHA	MSCs	Valiveti Sree Avektha

R. Parana R

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

Computer Software

Mr. Lakshmana Rao Kawiuri
Lecturer in Computer Science
B R R & G K R Chamber's Degree & PG College
Palakol



Learning Objectives

Upon successful completion of this chapter, you will be able to:

- Define the term software
- Describe the two primary categories of software
- Describe the role ERP software plays in an organization
- Describe cloud computing and its advantages and disadvantages for use in an organization
- Define the term open source and identify its primary characteristics



Types of Software

Software is the set of instructions that tells the hardware what to do

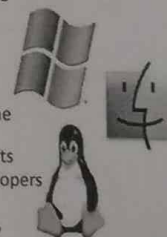
Two main types of software:

1. Operating Systems
2. Application Software
 1. Productivity software
 2. Utility software
 3. Programming software
 4. Applications for the Enterprise (ERP)

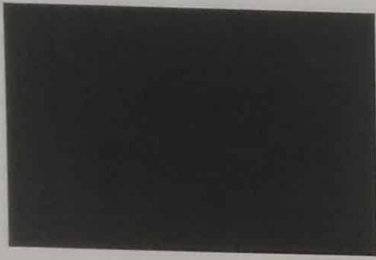


Operating Systems

- All devices have an operating system
- Software which manages the hardware
- Creates the interface between the hardware and the user
- Functions performed by the operating systems:
 - Managing the hardware resources of the computer
 - Providing the user-interface components
 - Providing a platform for software developers to write applications
- Most popular are Microsoft Windows, Apple Mac OS, and Linux



History of Microsoft Windows



Source: YouTube

Application Software

- Software that allows users to accomplish some goal or purpose
- Categories:
 - Productivity software to help employees complete their job duties such as Microsoft Office
 - Utility software allows you to fix or modify your computer
 - For example, antivirus software
 - Programming software makes more software
 - Programmers can code, test, and convert into a format that the computer will understand
 - CIS students typically use Visual Studio

Application Software Challenges

- Finding the right software to do what you need to do
- How to use the right software to do what you need to do
- Power Point to Death video:




- You only purchase a license for the software

Enterprise Application Software

- Early applications were often independent from other applications
- Consequently, information from one application did not always correlate to information from another application
- Enterprise Resource Applications (ERP) were developed to provide a common application that supports functions across the entire enterprise for the company's employees
 - For example, an ERP can contain the general ledger and its subsidiary ledgers such as accounts payable, accounts receivables, etc.
 - Builds in best business practices for an enterprise



Enterprise Application Software

- SAP is the most popular 
- Customer Relationship Management (CRM)
 - Manages an organization's customers
 - Personalize your relationship with the customer
 - An example is Salesforce
- Supply Chain Management (SCM) manages an organization's



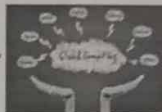
Mobile Applications

- Operate on tablets and smartphones
- Each device has its own operating system (e.g., Android or iOS)
- Each application is developed for the specific mobile device's operating system
- Websites are now offering mobile friendly interfaces to run on mobile devices
 - Independent of the mobile devices' operating system



Cloud Computing

- Internet-based applications, services, and data storage
- Advantages:
 - No software to install or upgrade
 - If you have Internet access, you can always use it
 - No restrictions on how much you store and don't have to worry about losing it
- Disadvantages:
 - Your information is stored on someone else's computer - how safe is it?
 - Internet access is required
 - Relying on someone else to provide these services



Business Cloud Usage

- Private Cloud
 - Still uses cloud concepts but allows the business to control over that space
 - Improves who can access it and how it is secured
- Virtualization
 - Using software to simulate a computer or some other device
 - Can create a server without actually purchasing a server



Software Creation

- Software is written in a programming language
 - Consists of commands organized logically to execute specific functions
 - Written in human-readable format (source code) and converted to machine-readable format (object code)
 - Object code can be interpreted by the computer to allow interaction with the hardware
- Usually done in pieces so several programmers can work together
- Closed-Source Software – only object code is available for purchase
- Open-Source Software:
 - Code is shared with everyone to use and add features or fix bugs
 - Examples are Firefox browser and Linux operating system



Open vs. Closed Source Software

- Open-Source Software:
 - Software is available for free
 - Source code can be reviewed prior to installing
 - Large programmer groups can fix bugs and add feature
 - May increase risk of attack as everyone knows how your software works
- Closed-Source Software:
 - Company that developed the software provides technical support
 - Employs large number of programmers to enhance the product



Summary



- Defined the term software
- Described the two primary categories of software
- Described the role ERP software plays in an organization
- Described cloud computing and its advantages and disadvantages for use in an organization
- Defined the term open source and identify its primary characteristics



B V RAJU COLLEGE

VISHNUPUR::BHIMAVARAM

DEPARTMENT OF COMPUTER SCIENCE

EVENT NAME: *Computer Software*

DATE: *28-08-2018*

PARTICIPANT FEEDBACK FORM

Name of the Student : *M. Swetha*
Register Number : *183117137348*
Course & Group : *MECS*
Contact Number : *7032686068*
Email ID : *Swetha001@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 : *No Comments*

M. Swetha
Signature of the student

B V RAJU COLLEGE

VISHNUPUR::BHIMAVARAM

DEPARTMENT OF COMPUTER SCIENCE

EVENT NAME: *Computer software*

DATE: *29/08/2018*

PARTICIPANT FEEDBACK FORM

Name of the Student : *A. Revathi*
Register Number : *133117137298*
Course & Group : *M.E.Cs*
Contact Number : *9154180222*
Email ID : *Revathi4321@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. Revathi
Signature of the student

B V RAJU COLLEGE

VISHNUPUR::BHIMAVARAM

DEPARTMENT OF COMPUTER SCIENCE

EVENT NAME: *Computer Software*

DATE: *28/08/2018*

PARTICIPANT FEEDBACK FORM

Name of the Student : *K. Priyanka*
Register Number : *183117102101*
Course & Group : *M.P.C'S*
Contact Number : *9010451549*
Email ID : *priyankap555@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 : *No*

K. Priyanka

Signature of the student

B V RAJU COLLEGE

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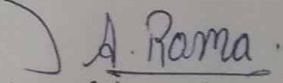
DEPARTMENT OF COMPUTER SCIENCE

EVENT NAME: Computer software

DATE: 28/8/2018

PARTICIPANT FEEDBACK FORM

Name of the Student : A. Rama anjaneyulu
Register Number : 183117102055
Course & Group : M.P.CS
Contact Number : 9032299979
Email ID : Rama anjaneyulu.A.88@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


Signature of the student

B V RAJU COLLEGE

VISHNUPUR::BHIMAVARAM

DEPARTMENT OF COMPUTER SCIENCE

EVENT NAME: *Computer Software*

DATE: *28/08/2018*

PARTICIPANT FEEDBACK FORM

Name of the Student : *B. Rajesh*
Register Number : *183117137276*
Course & Group : *M ECS*
Contact Number : *7416114507*
Email ID : *Rajesh 276@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 : *NO*

B. Rajesh
Signature of the student