

**Government Degree College  
Ravulapalem**



**Report of  
Guest lecture on  
Database Design & Number System**

**Resource Persons:1. Dr.I.R. Krishnam Raju**

Principal, BV Raju Degree College, Bhimavaram

**2. Sri R. Rama Rao**

HOD, Dept of CS, BVRaju Degree College, Bhimavaram

**Dt: 10-Nov-2022**

**By**

**Department of Computer Science, Applications & IOT**

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**Government Degree college  
Ravulapalem  
Department of Computer Science, Applications& IOT**

**REQUEST LETTER**

Respected Sir,

Sub: Request permission to organize a guest lecture to our college students –Reg

Department of Computer Science & Applications is intending to conduct a guest lecture to our college students of I and II B. Com Computers and B.Sc Computer Science students. The guest lecture will be conducted on **10-Nov-2022 from 10.30am to 12.30 pm at Digital Room and MANA TV room**

Thanking you.

Yours faithfully

Smt.V.Sailaja

HOD,Dept. of CS &CA

**Government Degree college  
Ravulapalem  
IQAC &  
Department of Computer Science & Applications**

**CIRCULAR**

All the staff members of Department of Computer Science & Applications and IQAC coordinator are hereby informed that there will be a meeting held at Computer Lab to discuss about guest lecture from **3:00 PM to 3:30 PM today i.e., on 07.11.2022**

**Meeting Agenda:**

1. To organize a guest lecture to computer students of I and II years of B.Sc and B.Com of our college.
2. To discuss the preferred dates and time of the lecture

Principal

  
**PRINCIPAL**  
Government Degree College  
Ravulapalem-533238, E.G.Dt.

**Government Degree college  
Ravulapalem**  
Department of Computer Science & Applications  
Minutes of Meeting  
3.11.2022

A meeting was held by the HoD, Department of Computer Science with computer teaching staff members at Computer Lab in GDC, Ravulapalem.

The following Members attended the meeting:

1. Smt.V. Sailaja, HoD, Department of Computer Science, IQAC Coordinator
2. Sri.K.S.N. Prasad, Lecturer in Computer Science

**Agenda:**

1. To organize a guest lecture to computer students of I and II years of B. Sc and B. Com of our college.
2. To discuss the preferred dates and time of the guest lecture


**Resolutions:**

1. It is resolved to conduct a guest lecture for both B. Com and B. Sc Computer Students of I and II years.
2. It is resolved to conduct the guest lecture in the 2<sup>nd</sup> week of November 2022


1. Smt.V.Sailaja
2. Sri.K.S.N.Prasad


  
**PRINCIPAL**  
Government Degree College  
Ravulapalem-533238, E.G.Dt.

## FLYER



**GOVERNMENT DEGREE COLLEGE, RAVULAPALEM**  
**NAAC Accredited with 'B' Grade(2.61 CGPA)**  
( Affiliated to Adikavi Nannaya University )  
Beside NH-16, Main Road, Ravulapalem-533238, Dr.B.R.Ambedkar Dist., A.P, INDIA  
E-Mail : [jkcjyec.ravulapalem@gmail.com](mailto:jkcjyec.ravulapalem@gmail.com), Phone : 08855-257061  
ISO 50001:2011, ISO 14001:2015, ISO 9001:2015 Certified College





# DEPARTMENT OF COMPUTERS CONDUCTING GUEST LECTURE

**TOPIC: DATABASE DESIGN & NUMBER SYSTEM**

**RESOURCE PERSON: DR.I.R. KRISHNAM RAJU**, PRINCIPAL, BV RAJU DEGREE COLLEGE, BHIMAVARAM

**2. SRI R. RAMA RAO** , HOD, DEPT OF CS, BV RAJU DEGREE COLLEGE, BHIMAVARAM

**DT: 10-NOV-2022**

Relieving letters:

 **GOVERNMENT DEGREE COLLEGE, RAVULAPALEM**   
(N.A.A.C. Accredited with 'B' Grade (2.61 C.G.P.A.)  
(Affiliated to Adikavi Nannaya University, Rajamahendravaram)  
Beside NH-16, Main Road, Ravulapalem-533238, East Godavari Dist., A.P., INDIA.  
ISO: 50001:2011, ISO 14001:2015, ISO 9001:2015 Certified College

**Dr. KRISHNA CHAPPIDI**  
M.Sc. Tech, N.E.T., P.G.D.C.A., Ph.D.,  
**PRINCIPAL & RJD (FAC) Zone I & II**  
Ravulapalem, E.G.Dt, A.P. Pin:533238

Phone: 98855-257061(O)  
Mobile: 9440093239  
Website: [www.gdcrcpm.ac.in](http://www.gdcrcpm.ac.in)  
E-Mail: [jkcrcpm.ravulapalem@gmail.com](mailto:jkcrcpm.ravulapalem@gmail.com)

Ravulapalem,  
Dated: 10.11.2022.

**ATTENDANCE CERTIFICATE**



This is certify that **Dr.L.R.Krishnam Raju, Principal, B.V.Raju College, Bhimavaram, West Godavari District** attended as **Resource Person** and delivered a **Guest Lecture** on **"Database Design"** in **B.Com Digital Room** conducted by the **Department of Computer Science & Applications, Government Degree College, Ravulapalem** on **10.11.2022** from **10.30 A.M** to **12.30 P.M.**

  
**Srilalajamma**  
HOD  
Dept., of Computer Science & Application

  
**Principal**  
**GOVERNMENT DEGREE COLLEGE**  
Ravulapalem, E.G.Dt, A.P.



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**Dr. KRISHNA CHAPPIDI**  
M.Sc. Tech, N.E.T., P.G.D.C.A., Ph.D.,  
**PRINCIPAL & RJD (FAC) Zone I & II**  
Ravulapalem, E.G.Dt, A.P. Pin:533238


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E-Mail: [jkcrcpm.ravulapalem@gmail.com](mailto:jkcrcpm.ravulapalem@gmail.com)

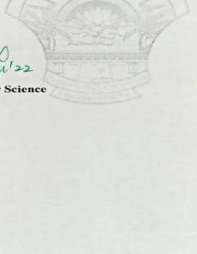
Ravulapalem,  
Dated: 10.11.2022.

**ATTENDANCE CERTIFICATE**

This is certify that **Sri R.Rama Rao, H.O.D, Department of Computer Science, B.V.Raju College, Bhimavaram, West Godavari District** attended as **Resource Person** and delivered a **Guest Lecture** on **"Number System"** in **MANA T.V. Room** conducted by the **Department of Computer Science & Applications, Government Degree College, Ravulapalem** on **10.11.2022** from **10.30 A.M** to **12.30 P.M.**

  
**Srilalajamma**  
HOD  
Department of Computer Science

  
**Principal**  
**GOVERNMENT DEGREE COLLEGE**  
Ravulapalem, E.G.Dt, A.P.



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# Attendance Sheet:

**GOVERNMENT DEGREE COLLEGE  
RAVULAPALEM**

NAAC Accredited with 'B' Grade (2.61 CGPA)  
(Affiliated to Adikavi Nannaya University)  
Beside NH 16, Main Road, Ravulapalem-533238, East Godavari Dist., A.P., INDIA.  
E-Mail: jkcrjyc.ravulapalem@gmail.com, Tel: 08855-257061  
ISO 50001:2011, ISO 14001:2015, ISO 9001:2015 Certified College

Dr. C. Krishna M.Sc., Tech., MISTE, PGDCA, NET., PhD  
Principal

**GUEST LECTURE** 10- NOV. 22

S.NO	NAME OF THE STUDENT	CLASS
1	D. Ganesh	1 <sup>st</sup> MPES
2	G. Kavan Kumar?	1 <sup>st</sup> MPES
3	T. Sai Sri Ram	1 <sup>st</sup> MPES
4	P. LAKSHMI NARASIMHA	1 <sup>st</sup> MPES
5	N. Anuga Anand	1 <sup>st</sup> MPES
6	K. Swapna	1 <sup>st</sup> MPES
7	T. venu madhavi	1 <sup>st</sup> MPES
8	V. pavani	1 <sup>st</sup> MPES
9	D. Lakshmi	1 <sup>st</sup> MPES
10	N. Hanika, Lakshmi	1 <sup>st</sup> MPES
11	G. Prvi	1 <sup>st</sup> MPES
12	K. H. gangotri	1 <sup>st</sup> MPES
13	M. Raghika	1 <sup>st</sup> MPES
14	M. Sai pallavi	1 <sup>st</sup> MPES
15	M. Sanku Sana	1 <sup>st</sup> MPES
16	A. Maha gangotri	1 <sup>st</sup> MPES
17	M. Swapna	1 <sup>st</sup> MPES
18	P. Sulfaja	1 <sup>st</sup> MPES
19	M. Anuja	1 <sup>st</sup> MPES
20	V. Tejaswini	1 <sup>st</sup> MPES
21	G. Ganesh	1 <sup>st</sup> MPES
22	G. D.V. Ramana	1 <sup>st</sup> MPES
23	A. Veerababu	1 <sup>st</sup> MPES
24	A. N. Subbarayudu	1 <sup>st</sup> MPES
25	K. MP. Subbarayudu	1 <sup>st</sup> MPES
26	D. Subbarayudu	1 <sup>st</sup> MPES
27	Ch. Jagadeeswarari	1 <sup>st</sup> MPES
28	A. Sanku	1 <sup>st</sup> MPES
29	G. Sanku	1 <sup>st</sup> MPES
30	T. Sai Sanku	1 <sup>st</sup> MPES
31	M. Sanku	1 <sup>st</sup> MPES
32	M. Venkata Satya	1 <sup>st</sup> MPES
33	K. Tejaswini	1 <sup>st</sup> MPES
34	P. Sanku	1 <sup>st</sup> MPES
35	M. Sanku	1 <sup>st</sup> MPES
36	V. Sanku	1 <sup>st</sup> MPES
37	P. Sanku	1 <sup>st</sup> MPES
38	V. Sanku	1 <sup>st</sup> MPES

S.NO	NAME OF THE STUDENT	CLASS
39	P. Divya	1 <sup>st</sup> B.com (C.A)
40	K. J. Suresh	1 <sup>st</sup> B.com (C.A)
41	D. Isaac	1 <sup>st</sup> B.com (C.A)
42	K. Sai Naga Saiju	1 <sup>st</sup> B.com (C.A)
43	M. Vinod Kumar	1 <sup>st</sup> B.com (C.A)
44	A. Upendra	1 <sup>st</sup> B.com (C.A)
45	M. Venkanna bahu	1 <sup>st</sup> B.com (C.A)
46	R. V. D. Rishi	1 <sup>st</sup> B.com (C.A)
47	M. Ravi	1 <sup>st</sup> B.com (C.A)
48	V. S. V. D. Krishna	1 <sup>st</sup> B.com (C.A)
49	D. Tazun	1 <sup>st</sup> B.com (C.A)
50	K. V. Siva Prasad	1 <sup>st</sup> B.com (C.A)
51	P. Balaji	1 <sup>st</sup> B.com (C.A)
52	M. Rama Sandeep	1 <sup>st</sup> B.com (C.A)
53	K. Sanku	1 <sup>st</sup> B.com (C.A)
54	C. Venkat	1 <sup>st</sup> B.com (C.A)
55	D. D. Subrahmanyam	1 <sup>st</sup> B.com (C.A)
56	P. V. S. Sanku	1 <sup>st</sup> B.com (C.A)
57	V. V. S. Sanku	1 <sup>st</sup> B.com (C.A)
58	V. V. S. Sanku	1 <sup>st</sup> B.com (C.A)
59	T. Sanku	1 <sup>st</sup> B.com (C.A)
60	K. Sanku	1 <sup>st</sup> B.com (C.A)
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## Photos:





# **Government Degree College, Ravulapalem**

## **Guest lecture**

### **On**

## **Database Design & Number System**

### **Report**

#### **Objective:**

1. To enrich the student community by means knowledge transfer
2. To acquire wider perspective of computer concepts

Department of Computer Science & Applications has conducted a guest lecture on Database design & Number system for the I and II Computer students of BSc and B.Com of the college on 10<sup>th</sup> of November 2022 with the permission and guidance of the Principal Dr.C.Krishna garu,

On the first day, Sri Bh. Bh.S.V.V.N.Satya Murthy, Vice principal inaugurated the program with a speech and addressed the gathering. Around 80 plus students are benefitted by this session. Highly qualified resource persons Dr.I.R.Krishnam Raju, Principal and Sri R.Rama Rao, HOD, Dept. of Computer Science of BV Raju Degree College, Bhimavaram, a reputed institute in West Godavari District have been invited to deliver lecture on Database design and number system.

## **Synopsis:**

### **Database Design in DBMS Tutorial: Learn Data Modeling**

#### **What is Database Design?**

**Database Design** is a collection of processes that facilitate the designing, development, implementation and maintenance of enterprise data management systems. Properly designed database are easy to maintain, improves data consistency and are cost effective in terms of disk storage space. The database designer decides how the data elements correlate and what data must be stored.

The main objectives of database design in DBMS are to produce logical and physical designs models of the proposed database system.

The logical model concentrates on the data requirements and the data to be stored independent of physical considerations. It does not concern itself with how the data will be stored or where it will be stored physically.

The physical data design model involves translating the logical DB design of the database onto physical media using hardware resources and software systems such as database management systems (DBMS).

#### **Why Database Design is Important?**

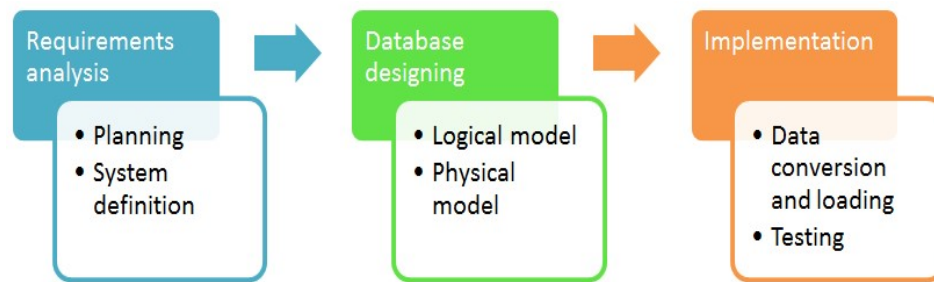
It helps produce database systems

1. That meet the requirements of the users
2. Have high performance.

Database design process in DBMS is crucial for **high performance** database system.

Note, the genius of a database is in its design. Data operations using SQL is relatively simple

## Database development life cycle



The database development life cycle has a number of stages that are followed when developing database systems.

The steps in the development life cycle do not necessarily have to be followed religiously in a sequential manner.

### Requirements analysis

- **Planning** – This stage of database design concepts are concerned with planning of entire Database Development Life Cycle. It takes into consideration the Information Systems strategy of the organization.
- **System definition** – This stage defines the scope and boundaries of the proposed database system.

### Database designing

- **Logical model** – This stage is concerned with developing a database model based on requirements. The entire design is on paper without any physical implementations or specific DBMS considerations.
- **Physical model** – This stage implements the logical model of the database considering the DBMS and physical implementation factors.

### Implementation

- **Data conversion and loading** – this stage of relational databases design is concerned with importing and converting data from the old system into the new database.
  - **Testing** – this stage is concerned with the identification of errors in the newly implemented system. It checks the database against requirement specifications.