MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS)

Affiliated to JNTUA, Anantapur & Approved by AICTE, New Delhi
Recognised Research Center
Accredited by NBA for CSE, ECE, EEE & ME
World Bank funded Institute
Recognised by UGC under the sections 2(f) and 12(B) of the UGC act 1956
Recognised as Scientific & Industrial Research Organization by DSIR of DST

DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

(Academic Year 2018-19)

Circular Dated: 01-02-2019

The students of B.Tech II year CSIT and IT are hereby informed that a guest lecture on *Databases: Current and Future Trends* is going to held on 23rd February 2019. Totally 50 students can participate in the workshop and the students will be selected based on First Cum First Serve.

Interested students are requested to register themselves in the department office on or before 16th February 2019.

HOD
Head of The Department
Computer Science & Technology
Madanapalle Institute of Technology & Science
MADANAPALLE - 517 325

Copy to:

PRINCIPAL

PRINCIPAL
Madanapalle Institute of Technology & Science
PO Box NO 14, Kadiri Road, Angallu
MADANAPALLE 517 325 A P

1. Notice Board – CST
2. To be circulated in II - IT and CSIT classes.

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC - AUTONOMOUS)

Report on
A Guest Lecture on
Databases: Current & Future Trends
23 February 2019

Submitted by : Mr. Y C A Padmanabha Reddy, Assistant Professor, Dept. of Computer Science & Engineering

Resource Person: - Mr L Chandrahas, Senior Software Engineer, Aricent Technologies Bangalore

Title: Databases: Current & Future Trends
Venue: Mechanical Seminar Hall (South Block)
Audience: II B. Tech Students (104)

The Department of CSE is organizing a series of Alumni Guest Lectures on Current trends and technologies in the Industry to fill the gap between Industry and Academia. On 23.02.2019, an alumni guest lecture was organized on the importance of databases which play vital role in any application.

The guest speaker **Mr. L Chandrahas** covered the following topics which are useful for the implementation of mini projects and main projects for B. Tech students.

1. **Evolution to Databases**: - He explained the transformation of databases from network, hierarchical, relational and object-oriented models.

2. **Types of Databases: -** He distinguished the relational and non-relational databases types. Relational DB types are relational tables consist of rows and columns, but non-relational DB types are document stores, key value stores, wide column stores, graph databases and search engines.

3. **Comparison of databases**: -He has given statistical analysis and ranking on the following databases such as Oracle, MySQL, Microsoft SQL Server, PostgreSQL, MongoDB, IBM DB2, Redis and SQLite.

4. **Selection of DB for your application**: -The parameters or factors are explained for selection of a database for choosing any application. The factors are data model, Query requirements, data consistency, speed, scalability, Reliability and Security.

5. **Oracle 11g Vs Oracle 18c:** - The features such as Multitenancy, In-memory column store, Native JSON support are compared with 11g and 18c.

6. **Advanced features of Oracle Database 18c**: - The Oracle 18c supports for cloud applications and most of exiting features are enhanced. He highlighted the multitenant architecture of oracle 18c which is good in terms of performance, security, scalability and support for data warehousing and Big data. The future trend of the database is oracle 18c with few more enhancements which supports for heterogeneous and complex data types.

The session ended with an interactive session with the students followed by vote of thanks proposed by Alumni Co-ordinator Dr Ramesh Reddy.
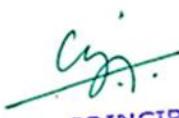
Press Clips:

Data Bases: Current and Furure Trends"

Instructions by Chandra Bose

23/02/2019

An awareness program was conducted at MITS near Angallu on "Data Bases: Current and Furure Trends" for III year students of the department of CSE. The resource person Mr. Chandra Bose asserted that there is a need of new technologies to preserve valuable technical data. There is an urgent need to discover new technologies for a large data preservation. He has given statistical analysis and ranking on different databases. He also explained about the features such as Multitenancy, In-memory column store, Native JSON support are compared with 11g and 18c. The future trend of the database is Oracle18c with few more enhancements, he told. Principal of MITS Dr. C. Yuvaraj , HOD Dr. Kalpana and Ramesh Reddy participated in the program.

PRINCIPAL
Madanapalle Institute of Technology & Science
P.o.Box No.14, Kadiri Road, Angallu
MADANAPALLE-517 325, AP

Databases: Current & Future Trends- Dept. of CST

Sl.No.	Roll. No.	Name	23-02-2019 Session 1	Session 2
1	17691A1248	K.Sravan	P	P
2	17691A1204	MAREDDY BALA GANESH REDDY	P	P
3	17691A1205	GUTTA BALAJI NAIDU	P	P
4	17691A1240	GETTI BOYINI SAIPRASAD YADAV	a	P
5	17691A2515	PASUPULETI GNANENDAR ROYAL	P	P
6	17691A2517	REDDYCHERLA HARI KRISHNA	P	P
7	17691A2507	INDLURI BHANU PRAKASH	P	P
8	17691A2510	SOMPALYAM DEEPIKA	P	P
9	17691A2519	RAVOORI KARUNASRI	P	P
10	17691A2523	AVULA LAKSHMIKAR REDDY	P	P
11	17691A2525	P MANASA	P	P
12	17691A2535	KADIRI PRAGATHI	P	P
13	17691A2538	NAGELLA PRANEETHA	P	D
14	17691A2540	MANIPOTI PUJITHA	P	P
15	17691A2541	GOPANAPALLI RANYASREE	P	P
16	17691A2542	SOMINENI RAMYASREE	P	P
17	17691A2544	GHANTASALA REDDY RAMYA SRI	P	a
18	17691A2551	PALADUGU SHILPA	P	P
19	17691A2547	T K SAFEENA MUNIM	P	P
20	17691A2552	ADAKA SRIMANNARAYANA	P	P
21	17691A2555	VUPPANDLA VAISHNAVI	P	P
22	17691A2557	PULIBANDLA VENKATA RISHI KUMAR	P	P
23	17691A2558	GURRAM VENKATA SREEKAR	P	P
24	17691A2543	A RANJITHA	P	P
25	17691A2539	BADUGU PRATHYUSHA	P	P
26	17691A1215	AKULA LAVANYA	P	P
27	17691A1216	DONDLA LAVANYA	P	P
28	17691A1217	POOJARI MAHESH	P	P
29	17691A1218	JABBALA MANASA	P	P
30	17691A1222	MARPURI MEGHANA	P	P
31	17691A1224	B H MONISHA	a	P
32	17691A1226	GURRAM NIKHITHA	P	P
33	17691A1246	TAMMINENI SIREESHA	P	P
34	17691A1254	DUVVURU UPANYA	P	P
35	17691A1259	KADAPA VISHNUVARDHAN REDDY	P	P
36	17691A1206	G HARIKA	P	P
37	17691A1245	PULAKUNTLA SHIREESHA	P	P
38	17691A1249	EKKALURI SRAVANI	P	P
39	17691A1250	VEMPALLI SUHANA	P	P
40	17691A1251	GONCHIKAR THEJA	P	P
41	17691A1255	CHAVALI VASANTHI	P	P
42	17691A1252	ARAVETI THEJASWANI	P	P
43	17691A1237	PATHAN SAHEERA BANU	P	ae
44	17691A1253	KOPARTHI UJWALA	P	P

45	17691A1235	PURRA RAJESWARI	P	a
46	17691A1211	M HARITHA	P	P
47	17691A1241	GORLA SAI SUMITH	^	P
48	17691A1238	OBULREDDY SAI LAKSHMI	P	P
49	17691A1232	BADAA RAJ KUMAR YADAV	P	P
50	17691A1219	KALAVAPALLE MANIKANTA	P	a

HOD
Head of The Department
Computer Science & Technology
Madanapalle Institute of Technology & Science
MADANAPALLE - 517 325

PRINCIPAL
Madanapalle Institute of Technology & Science
PO Box NO 14, Kadiri Road, Angallu
MADANAPALLE 517 325 A P