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A One day Workshop on DBMS in Industries



On
"DBMS in Industries"
On
4TH December, 2021

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

**AUTONOMOUS
KHAMMAM**

STUDENT DEVELOPMENT PROGRAM

(To cultivate Student Learning and development by supporting Students in their Academic, Personal and Social Growth)

About the College

S.R. & B.G.N.R Government Arts and Science College was established in 1956 to cater the Educational needs of the Rural and Backward areas in and around Khammam town. Since Khammam is semi-urban area and is located aimed a commercially and industrially potential area, the college felt the need for introducing novel and Job Oriented Restructured courses to attend the demand of the day and the society.



About the Department

S.R. & B.G.N.R Government Arts and Science College, Khammam has introduced the Computer Course in the year 1997 with B.Sc Mathematics, Physics and Computer Science combination. In the immediately successive year, i.e,(1998-1999) computer course with B.A and B.Com classes also was introduced. Since then there has been a steady and evident development of the department. Currently the Courses are B.Sc (Phy. Sci.) as MPCS, MCCS, MSCS, MECS, B.Com (CA), B.A(CA) and B.Sc (Life Sci with CA).

About the Workshop

"DBMS in Industries" Workshop will be held at SR & BGNR GOVT. ARTS & SCIENCE COLLEGE(Autonomous), Khammam, Telangana India, on 4th December, 2021. The aim of the workshop DBMS in Industries makes it possible for end users to create, protect, read, update and delete data in a database. The most prevalent type of data management platform, the DBMS essentially serves as an interface between databases and users or application programs, ensuring that data is consistently organized and remains easily accessible. The workshop is to meet new challenges, collect new ideas and exhibit it as a practice during the session.

Resource Person

J. Gulab Singh M.C.A

SR & BGNR GOVT. ARTS & SCIENCE COLLEGE(A), KHAMMAM

VENUE

Room No: 233, COMPUTER LAB2





SR & BGNR GOVT. ARTS & SCIENCE
COLLEGE(A),
KHAMMAM

Department of Computer Science & Applications is
organizing the following event.

Name of the Event: Workshop

Date: 04-12-21

Venue: Computer Lab

Topic: Database in Industries

- Databases are widely used by businesses to store reference data and track transactions. Websites need databases and **Enterprise Resource Planning (ERP)** systems need them.
- The **Database Management System (DBMS)** is the software that formats data for storage in databases and gives access to it through data retrieval methods. It is difficult to get an **overview of your data** through command line SQL. A graphical user interface gives you a much better way of checking the status of your database and managing it properly with better visibility.
- If you are starting to look around for software to meet your business needs, you are going to encounter a lot of options that have a database system as their base. Sophisticated interfaces to new database tools make it easier for anyone in the business to create and run a database – you no longer need a specialist database technician or Database Administrator.

List of the best database management software:

1. **Microsoft SQL Server Management Studio** A free tool from Microsoft that makes the administration of SQL Server database easier.
2. **TeamDesk** and online database creator and is aimed at small enterprises that probably don't have a DBA on staff.
3. **_SQL Server Monitoring_**A monitoring system for networks, servers, applications, and websites that includes database monitoring. This is a cloud-based service.

DBMS Tools:

Here we will look at different database front ends that will help you manage your data effectively. The list here contains a range of SQL management tools that are suitable for individuals up to large organizations with dedicated DBAs.

- An easy-to-use interface

- Full control through to the underlying DBMS
- Query optimization features
- Performance tracking with alerts
- Examination of underlying resource usage by the DBMS
- Secure interface, preferably with multiple user accounts with adjustable permission levels for technician access
- Free assessment period either through a demo, a money-back guarantee, or a free trial period
- Valuable tools at a fair price

Site24x7 SQL Server Monitoring:

Site24x7 is a cloud-based monitoring platform that offers a number of packages to businesses. Site24x7 Infrastructure is a system that supervises networks, servers, and applications and it includes a database monitoring service.

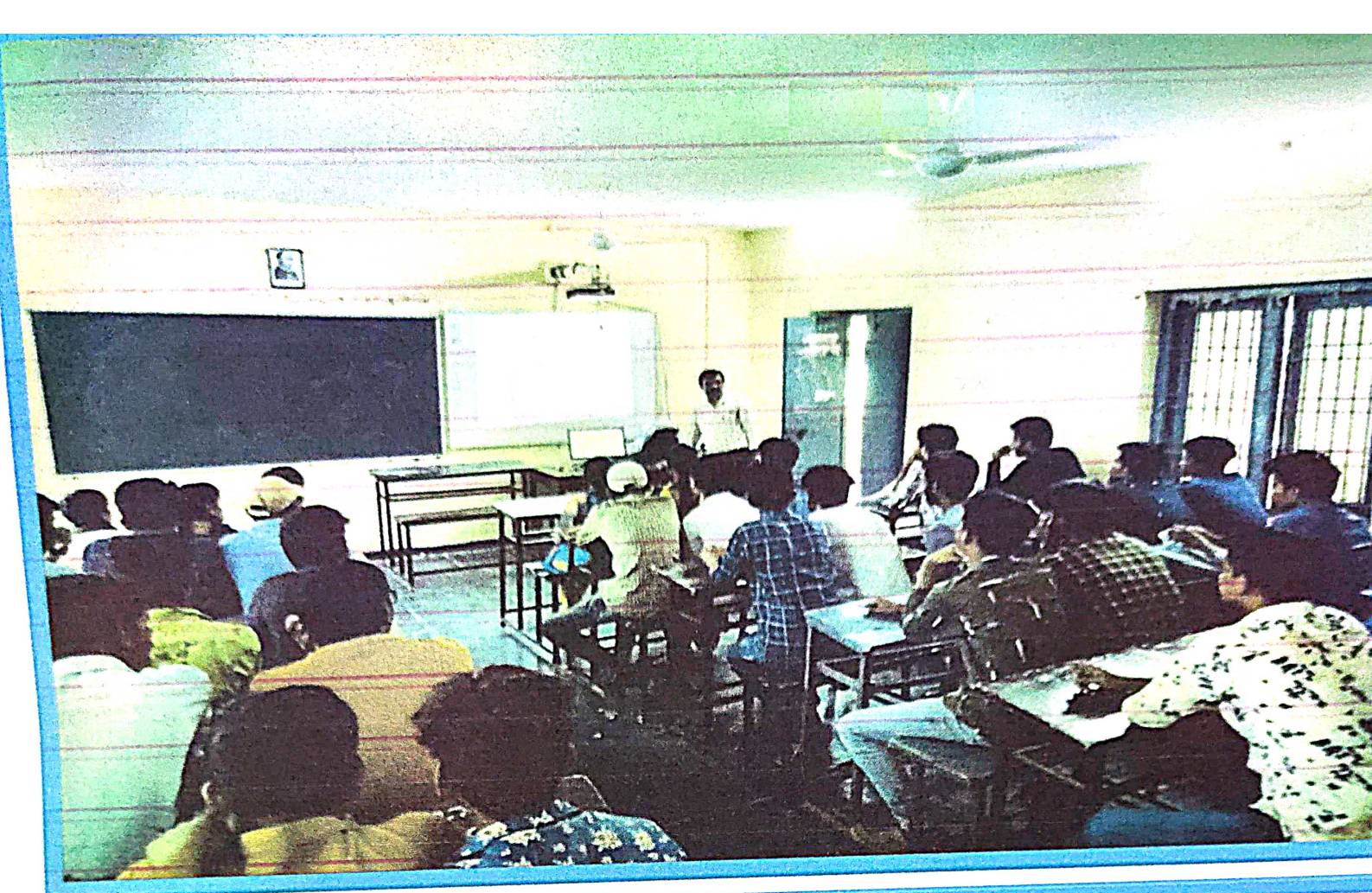
Key Features:

- Database transaction monitoring
- System resource monitoring
- Encrypted connection for data uploads
- Application stack mapping

This monitoring system is able to track the performance of It SQL Server, MySQL, Oracle, Site24x7 Infrastructure also searches running processes to identify connections between applications. This enables it to draw up an application stack, which maps the interdependencies of applications, including databases. The application stack is then a key resource if interfaces or applications show performance issues. It supports root cause traces to check whether the real problem is really with another part of the system. It also identifies the resources of the supporting host that are used by the database and watches their capacity.

The database monitor records total temporary tables, space used by temporary tables, temporary tables on disk, and temporary table removal. It logs read and write activities, slow queries, aborted clients, threads, and open files. The system also tracks database connection usage, aborted connections, and the maximum number of used connections.

Site24x7 Infrastructure database monitoring includes an alerting mechanism that is based on performance and resource availability thresholds. This generates an alert whenever a problem arises. The alerts can be forwarded to technicians by SMS, email, voice call, or instant messaging post.



SR & BGNR GOVT. ARTS & SCIENCE DEGREE COLLEGE (A), KHAMMAM

Department of Computer Science & Applications

Workshop on Database in Industries

B.Sc/B.Com III YEAR

SNo.	HTNo	Student Name	Signature
1	26204209	BANOTH BHASKAR	BHASKAR
2	26204211	BANOTH MAHESH	mahesh
3	26204212	BANOTH SHIVA	B. Shiva
4	26204213	BANOTH VAMSHI	vamshi
5	26204214	BANOTH VAMSI NAIK	vamsi Naik
6	26204215	BANOTH VIJAY	vijay
7	26204225	BODA SAI	Sai
8	26204226	BODA SURESH	Suresh
9	26204227	BODDU SHIVA KUMAR	Shiva Kumar
10	26204228	BOINA GANESH	Ganesh
11	26204229	BOLLAM NAVEEN	B. Naveen
12	26204251	GADDAMEEDI GOPINATH	Gopinath
13	26204252	GADDE UMAMAHESWAR	umamaheswar
14	26204254	GODISHALA MADHUKUMAR	MADHUKUMAR
15	26204401	ALLURI SAI	Sai
16	26204403	ANANTHU VIJAYARANI	vijayarani
17	26204405	BAMANDLA UDAY RAJ	uday Raj
18	26204406	BANDA RAVI	B. Ravi
19	26204408	BANOTH NARESH	Nareesh
20	26204409	BANOTH RAVINDAR	Ravindar
21	26204416	CHITTIMOTHU NAVEEN	Ravi Datta
22	26204417	DANNE RAVI KUMAR	Ravi Kumar
23	26204419	GANTHOTI SUNIL	Sunil
24	26204420	INTI MANIKANTA	Manikanta
25	26204421	KANAKAPUDI RAJESH	Rajesh
26	26204422	KANDULA VENU KUMAR	Venu Kumar
27	26204423	KARINGULA UMESH	K. umesh
28	26204424	KATAKAM AKSHAYA	Akshaya
29	26204425	KATE VENKATESWARLU	Venkateswarlu
30	26204360	SIKKA HEMA GAYATHRI	Gayatri
31	26204365	TENALI NAGARAJU	Nagaraju
32	26204366	THADABOINA PUJITHA	Pujitha
33	26204368	THERALA ANUSHA	T. Anusha
34	26204370	UDUGULA ANUSHA	Anusha
35	26204371	VADDE KAVYA	V. kavya
36	26204372	VADDIRAJU SAI SPURTHI	Sai spurthi
37	26204373	VALIPIREDDY SAI PRANAY	Sai Pranay
38	26204374	VANJARA GOPI	V. Gopi
39	26204378	VINOD KUMAR BODA	Boda

40	26204379	YALAGAM SAI KUMAR	Sai Kumar
41	26204380	YERRA SAI CHAITANYA	Sai Chaitanya
42	26204381	ANDEM MAHESH	Andem Mahesh
43	26202601	ADHI VISHWA TEJA	Adhi Vishwa Teja
44	26202602	AJMEERA VEERANNA	Ajmeera Veeranna
45	26202603	AKARAPU DIVYA	Akarapu Divya
46	26202604	AKARAPU SIDDU	Akarapu Siddu
47	26202605	ALUVALA SATHISH	Aluvala Sathish
48	26202606	AMBALA SRAVAN KUMAR	Ambala Sravan Kumar
49	26202624	BANOTH RAMSINGH	Banoth Ramsingh
50	26202625	BANOTH RAVIKUMAR	Banoth Ravikumar
51	26202626	BANOTH SANTHOSH KUMAR	Banoth Santhosh Kumar
52	26202627	BANOTH SARUNA	Banoth Saruna
53	26202628	BANOTH SRINIVAS	Banoth Srinivas
54	26202629	BANOTH SRINIVAS	Banoth Srinivas
55	26202630	BANOTH THARUN	Banoth Tharun
56	26202645	BOBBALA VINOD	Bobbala Vinod
57	26202646	BOBBALI GANESH	Bobbali Ganesh
58	26202647	BODA AKHILA	Boda Akhila
59	26202648	BODA ASHOK	Boda Ashok
60	26202649	BODA GNANAPRAKASH	Boda Gnanaprakash
61	26202650	BODA GOPI	Boda Gopi
62	26202661	CHALLA VIKAS	Challa Vikas
63	26202662	CHAPALA SATHISH	Chapala Sathish
64	26202663	CHEKURI ARCHANA	Chekuri Archana
65	26202664	CHENNAM SAI	Chennam Sai
66	26202665	CHENUBONI VAMSI	Chenuboni Vamsi
67	26202721	GUNDAMALLA SHYAM	Gundamalla Shyam
68	26202722	GUNDLAPALLI KEERTHANA	Gundlapalli Keerthana
69	26202723	GUNTI MADHURI	Gunti Madhuri
70	26202724	GURRAM NAGATHARUN	Gurram Nagatharun
71	26202725	GURRAM RAKESH	Gurram Rakesh
72	26202726	HATKAR PRUDHVIRAJ	Hatkar Prudhviraj
73	26202825	NERELLA SAI RAM	Nerella Sai Ram
74	26202826	NOSINA LOKESH	Nosina Lokesh
75	26202827	NUNAVATH SRINU	Nunavath Srinu
76	26202828	NUNAVATH VENKATESH	Nunavath Venkatesh
77	26202829	PADDAM CHANDRAKALA	Paddam Chandrakala
78	26202830	PADIDAM SAIRAM	Padidam Sairam
79	26202831	PADIGALA DINESH	Padigala Dinesh

N. Sreenivas Reddy

Dept. of Computers
& B.G.N.R. Govt. Coll...
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Workshop Evaluation Form

Title of the Workshop: Database in Industries

Date: 04-12-2021

In order to continue to improve the quality of educational programming, the Department of Computer Science & Applications, would appreciate you taking few minutes of your time to complete this evaluation. Your comments and suggestions will help us to plan future lectures to meet your educational needs.

- | | | | | |
|--|---------|---------|--------------|-----|
| 1. The workshop organization was | | | | [4] |
| 1. Poor | 2. Good | 3. Fair | 4. Excellent | |
| 2. The workshop instructor was | | | | [4] |
| 1. Poor | 2. Good | 3. Fair | 4. Excellent | |
| 3. The workshop presentation methods were | | | | [3] |
| 1. Poor | 2. Good | 3. Fair | 4. Excellent | |
| 4. The workshop activities were | | | | [3] |
| 1. Poor | 2. Good | 3. Fair | 4. Excellent | |
| 5. The workshop topic coverage and relevance was | | | | [4] |
| 1. Poor | 2. Good | 3. Fair | 4. Excellent | |
| 6. How would you rate the usefulness of the content was | | | | [4] |
| 1. Poor | 2. Good | 3. Fair | 4. Excellent | |
| 7. How would you rate the hand-on activities | | | | [4] |
| 1. Poor | 2. Good | 3. Fair | 4. Excellent | |
| 8. How would you rate the presenter's knowledge in the subject | | | | [4] |
| 1. Poor | 2. Good | 3. Fair | 4. Excellent | |
| 9. The workshop overall content was | | | | [4] |
| 1. Poor | 2. Good | 3. Fair | 4. Excellent | |
| 10. What is your overall assessment of the event | | | | [4] |
| 1. Poor | 2. Good | 3. Fair | 4. Excellent | |

Certificate

SR & BGNR GOVT ARTS & SCIENCE COLLEGE(A)

Khammam :: Telangana-507002

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATION



Certificate of Participation

This is to certify that Mr/Ms of SR & BGNR GOVT. Arts & Science College(A), Khammam has successfully attended the national level Workshop on "ITBMS in Industries" organized by Department of Computer Science and Application conducted on 04/12/2021 .

N. Srinivasa Rao
N.Srinivasa Rao
Incharge

Dr. MD. Zakirullah
Principal