2019 - 2020

A One day Workshop on Data science

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 Departments

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

" Data Science " Workshop will be held at SR & BGNR GOVT. ARTS & SCIENCE COLLEGE(Autononmos), Khammam, Telangana India, on 25, February 2020. The aim of the workshop Data Science is to provide the skills mechanism to the students for learning deep study of the massive amount of data, which involves extracting meaningful insights from raw, structured and unstructured data that is processed during the scientific method, different technologies and algorithms. The workshop is to meet new challenges, collect new ideas and exhibit it as a practice during the session.

ONE DAY WORKSHOP
On
" DATA SCIENCE "
On
21th FEBRUARY,2020
Organized By
DEPARTMENT OF COMPUETR SCIENCE & APPLICATIONS
SR & BGNR GOVT. ARTS & SCIENCE COLLEGE
AUTONOMOUS
KHAMMAM
Under
STUDENT DEVELOPMENT PROGRAM
(To cultivate Student Learning and development by supporting Students in their Academic, Personal and Social Growth)

Resourse Person

M.SREENIVASA RAO, M.C.A, M.Phil
DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS
SR & BGNR GOVT. ARTS & SCIENCE COLLEGE(A), KHAMMAM

VENUE

Room No: 205, COMPUTER LAB1

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

Department of Computer Science & Applications is organizing the following event.
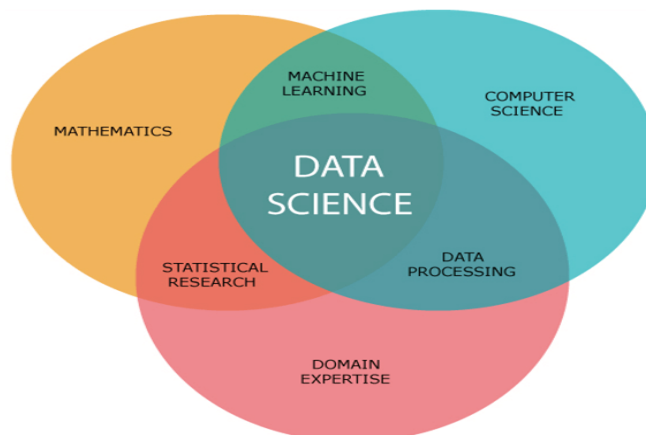
Name of the Event: Workshop

Date: 21-02-20

Venue: Computer Lab
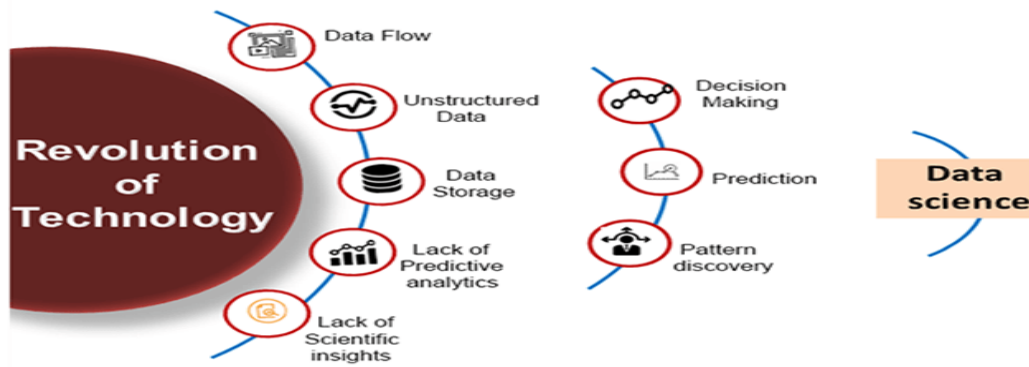
Topic: Workshop on Data science

Content Covered:

The term "data science" was coined in 2001, attempting to describe a new field. a famous blog post by Drew Conway in 2013, called The Data Science Venn Diagram, in which he drew the following diagram to indicate the various fields that come together to form what we call "data science."
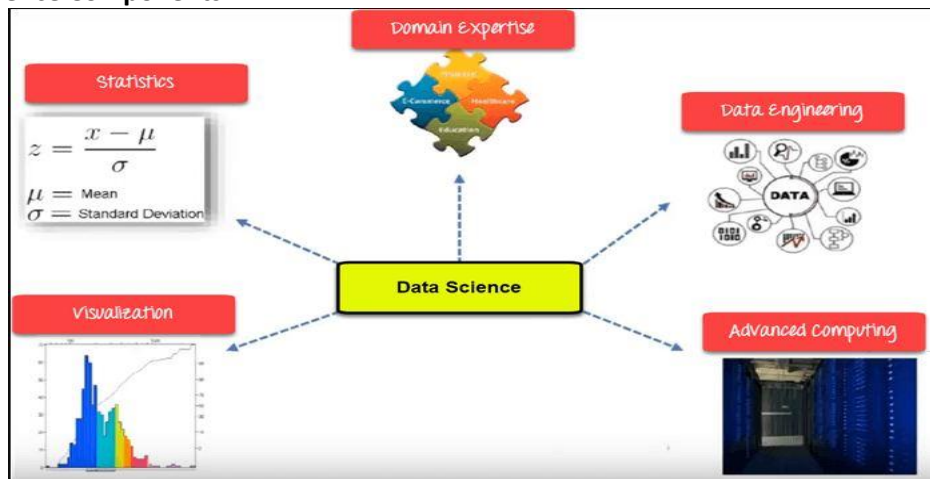

Regardless of whether data science is just a part of statistics, and regardless of the domain to which we're applying data science, the goal is the same: **to turn data into actionable value.** The professional society INFORMS defines the related field of analytics as "the scientific process of transforming data into insight for making better decisions."

Data science is a deep study of the massive amount of data, which involves extracting meaningful insights from raw, structured, and unstructured data that is processed using the scientific method, different technologies, and algorithms.

It is a multidisciplinary field that uses tools and techniques to manipulate the data so that you can find something new and meaningful.

Data Science Components

- **Statistics:**
  Statistics is the most critical unit of Data Science basics, and it is the method or science of collecting and analyzing numerical data in large quantities to get useful insights.

- **Visualization:**
  Visualization technique helps you access huge amounts of data in easy to understand and digestible visuals.

- **Machine Learning:**
  Machine Learning explores the building and study of algorithms that learn to make predictions about unforeseen/future data.

- **Deep Learning:**
  Deep Learning method is new machine learning research where the algorithm selects the analysis model to follow.

Data Science Jobs Roles

Most prominent Data Scientist job titles are:
- Data Scientist
- Data Engineer
- Data Analyst

- Statistician
- Data Architect
- Data Admin
- Business Analyst
- Data/Analytics Manager

Data Scientist:
- **Role:** A Data Scientist is a professional who manages enormous amounts of data to come up with compelling business visions by using various tools, techniques, methodologies, algorithms, etc.
- **Languages**: R, SAS, Python, SQL, Hive, Matlab, Pig, Spark

Data Engineer:
- **Role:** The role of a <u>data engineer</u> is of working with large amounts of data. He develops, constructs, tests, and maintains architectures like large scale processing systems and databases.
- **Languages:** SQL, Hive, R, SAS, Matlab, Python, Java, Ruby, C + +, and Perl

Data Analyst:
- **Role:** A data analyst is responsible for mining vast amounts of data. They will look for relationships, patterns, trends in data. Later he or she will deliver compelling reporting and visualization for analyzing the data to take the most viable business decisions.
- **Languages:** R, Python, HTML, JS, C, C+ + , SQL

Statistician:
- **Role:** The statistician collects, analyses, and understands qualitative and quantitative data using statistical theories and methods.
- **Languages:** SQL, R, Matlab, Tableau, Python, Perl, Spark, and Hive

Data Administrator:
- **Role:** Data admin should ensure that the <u>database</u> is accessible to all relevant users. He also ensures that it is performing correctly and keeps it safe from <u>hacking</u>.
- **Languages**: Ruby on Rails, SQL, Java, C#, and Python

Business Analyst:
- **Role:** This professional needs to improve business processes. He/she is an intermediary between the business executive team and the IT department.
- **Languages:** SQL, Tableau, Power BI and, Python

Conclusion: Data science is valuable to any company in any industry so it is important to every student to have good knowledge about Data Science job roles who aspire to be in good position in their job.

Participants list:

SR & BGNR GOVT. ARTS & SCIENCE DEGREE COLLEGE (A), KHAMMAM
Department of Computer Science & Applications
Workshop on Data science
B.SC II YEAR

SNo.	HTNo	Student Name	Signature
1	2619-4501	CHAMAKURI MAHESH	
2	2619-4502	GUGULOTH NARESH	
3	2619-4505	AJMEERA SIDDHU	
4	2619-4506	ANGOTHU SATHISH	
5	2619-4508	BADAVATH KALYAN	
6	2619-4509	BANOTH UPENDAR	
7	2619-4510	BANOTH VAMSHI	
8	2619-4511	DHUKYA KIRAN	
9	2610-4516	CHANDA JAGADISH	
10	2619-4517	CHEDE SAMPATH	
11	2519-4518	CHEERA PRIYANKA	
12	2619-4519	CHIRRA NAVEEN	
13	2619-4520	DASARI HARISH	
14	2619-4521	DEVARAGATLAPUSHPALATHA	
15	2619-4522	DHARAVATH THARUN	
16	2619-4523	GANDAMALLA MANOIKUMAR	
17	2619-4524	GANESHULA SHIVA	
18	2619-4525	GOPI ARYAN	
19	2619-4527	GUGULOTHU MOHAN	
20	2619-4528	GUNDEDOINA CHARANKUMAR	
21	2619-4529	GUNDLA PRAVEEN	
22	2619-4530	INDLA SANDEEP	
23	2619-4535	KONDAPALLY SAI SITHARA	
24	2619-4536	KORATLA VINAY SAI	
25	2619-4537	MEDIKONDA LAXMAN TEJA	
26	2619-45464	PUU RAJU	
27	2619-4547	RACHURI CHARAN YADAV	
28	2619-4548	RAMANABOINA RAJU	
29	2619-4549	REKHA UMESH	
30	2619-4550	SAMALA SANDEEP	
31	2619-4557	TULASI RITHWIKA SAI	
32	2619-4558	VARALA NIKHIL	
33	2619-4559	VELPULA UDAY	
34	2619-4560	YERRAMALLA SIDDHU	
35	2619-4601	BANOTHU INDUIA	
36	2619-4602	AVULA LINGARAIU	
37	2619-4603	AZMEERA GANESH	
38	2619-4604	BADAVATH SHEKAR	
39	2619-4606	BHUKYA RAM	
40	2619-4608	BOLLA NAVEENREDDY	
41	2619-4611	CHAMARTHI TEIASWINI	
42	2619-4614	EERLA SHIVANI	
43	2619-4615	GADDAM NARENDHAR	
44	2619-4625	KESAGANI NARENDHAR	
45	2619-4631	MALOTH MANIU NATH	

46	2619-4632	MALOTH SATHISH	
47	2619-4633	MANAPRAGADA CHARANSAI	
48	2619-4634	MAREEDU SWATHI	
49	2619-4635	MATETI UJWALA	
50	2619-4636	MEESALA YAMINI	
51	2619-4637	MENTHINI SRAVANPRASAD	
52	2619-4638	MIDATHAPALLY DABU	
53	2619-4642	NORU MAHENDAR	
54	2619-4644	PALLAPU VUAYARAIKUMAR	
55	2619-4645	PASUPULETI THARUN	
56	2619-4646	PENDLI BINDU PRIYA	
57	2619-4647	PERABOINA NAGARAJU	
58	2619-4648	PIDAMARTHI ABHILASH	
59	2619-4649	PUTTAPAKULA VINOD	
60	2619-4650	RAMINENI RAKESH	
61	2619-4651	RAVURI SAIKIRAN	
62	2619-4652	SHAIK SAJITHA	
63	2619-4654	THAKUR SANJAY SINGH	
64	2619-4658	THATI RAVI	
65	2619-4659	VAGGELA NAVEEN	
66	2619-4402	DUDDHA NAGAMANIKANTA	
67	2619-4403	CHARPA THILAK	
68	2619-4404	GUGULOTH NAVEEN KUMAR	
69	2619-4405	INTURI NAGARAJU	
70	2619-4406	MOKKA SHIVAGOUD	
71	2619-4409	AKUTHOTA RAKESH	
72	2619-4410	AMBATI NAVEEN KUMAR	
73	2619-4411	BADDI YASHWANTH SAI	
74	2619-4414	BOLLAM SRAVANI	
75	2619-4415	CHALLA GOPAL RAO	
76	2619-4416	CHENNOJU RAIITHA	
77	2619-4417	CHITHARU POOJA	
78	2619-4418	DHARAVATH VEERABABU	
79	2619-4419	DONAKONDA SATHISHKUMAR	
80	2619-4420	DUGGI SRAVANTHI	
81	2619-4427	KORSA NAVEEN KUMAR	
82	2619-4432	NALAMADA MOUNIKA	
83	2619-4433	NIDIGONDA RAKESH	
84	2619-4434	PINNI RAMA	
85	2619-4435	POOLA SRAVAN KUMAR	
86	2619-4436	RAVURI VENKATANARAYANA	
87	2619-4437	REDDY PAVANI PRASANNA	
88	2619-4444	TENALI SUMATHI	
89	2619-4445	THOGATI AKHILA	
90	2619-4446	THUMMALA ANUSHA	
91	2619-4450	VISSAMPALLI RAVI TEIA	
92	2619-4451	VORIKOLLU PAVANI	

Dept. of Computers
S.R.&B.G.N.R. Govt. College
(Autonomous)
K H A M M A M

Feedback Form

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

Workshop Evaluation Form

Title of the Workshop: _Data Science_

Date: _21 – 02 – 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   [4]
   1. Poor   2.Good   3.Fair   4.Excellent

4. The workshop activities were   [4]
   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 Appreciation

This is to certify that Mr/Ms .... of SR & BGNR GOVT. Arts & Science College(A), Khammam has successfully attended the national level W o r k s h o p on "Data Science" organized by Department of Computer Science and Application conducted on 21/02/2020 .

M.Srinivasa Rao
Convenor

N.Srinivasa Rao
Incharge

K.S.S. Ratna Prasad
Principal