SRI VENKATESWARA COLLEGE OF ENGINEERING

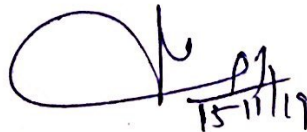## DEPARTMENT OF INFORMATION TECHNOLOGY

Sriperumbudur - 602117

Three days National Level Workshop on
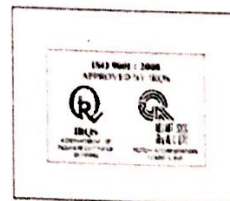"Data Exploration using R programming"
on 22th and 24th August 2019

Report

Submitted to the Principal.

To: HOD-IT
Noted

SRI VENKATESWARA COLLEGE OF ENGINEERING

Department of Information Technology

Ref.: SVCE/IT/AQIPP/July 2019

19.07.2019

Submitted to the Principal:

Subject: Requisition for permission to conduct AQIPP based three days Workshop on "Data Exploration using R Programming"

It is proposed to conduct three days workshop on "Data Exploration using R" for the Students and faculty members by the Department of Information Technology during 22nd Aug to 24th Aug 2019 (3 days).

Objective

- To expose the Student/Faculty/ Research Scholars in emerging technologies in the area of **R Programming**.

- To provide an exposure to various **data exploration techniques**

Venue

The training program will be conducted at the premises of Sri Venkateswara College of Engineering.

Target Audience

Student/Faculty/ Staff members.

Resource Person

- Eminent resource persons from reputed academic institutions/Industries

→ Why not us?.

Budget
Receipts:

Fee collected per participant (**External**)	: Rs.700/-	
Number of external participants	: 10	
Number of Internal participants	: 30	
Total Fee Collected from ext. part	: 10*Rs. 700	Rs. 7000/-

Expenses:

Honorarium to visiting Resource Person	: Rs. 3,500/-
Program kit and Stationary	: Rs. 1,000/-
Certificates	: Rs. 500/-
Lunch for ext. part	: Rs. 600/-
Snacks & Tea (for all participants)	: Rs. 1,000/-
	--
Rs. 7,000/-	Rs. 6,600/-
	--

It is requested that the proposal may be kindly approved.

Coordinators
Dr. T. Sukumar, Asso. Prof/IT
Ms. N. Uma, AP/IT
Ms. M. Sugacini, AP/IT

HOD/IT i/c
Dr.V.Vidhya

Convenor

To: HOD-IT
Approved
22/7/19.

Note : Dear sir, 50% Internal expert, 50% external expert - P.T.O

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Compose

Inbox 5,249

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Drafts 41

Categories

Social 534

Updates 640

Forums 3,194

Promotions 254

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No recent chats
Start a new one

ZoomRx

www.zoomrx.com

On Mon, Jul 1, 2019 at 1:33 PM SUKUMAR T IT <sukumart@s

Dear Sir,

  Well and wish the same for you. We planned to conduct on

We are seeking your kind support in this regard. kindly provid

Our faculty members will handle theory session. This is for y

--

Thanks and Regards,
Dr. T. Sukumar
Associate Professor,
Department of IT,
Sri Venkateswara College of Engineering,
Irungattukkottai - 602117,
Sriperumbudur Taluk, Kanchipuram District,
Tamil Nadu, India

SRI VENKATESWARA COLLEGE OF ENGINEERING
[Autonomous- Affiliated to Anna University]
Pennalur, Sriperumbudur Taluk – 602117

Department of Information Technology

Solicit your gracious presence for the

Inauguration function

of

Three days National Level Workshop on
"Data Exploration using R programming"
from 22th to 24th August 2019

Dr. S. Ganesh Vaidyanathan

Principal & Professor,

Sri Venkateswara College of Engineering

will preside over the function and initiates the workshop session

Venue   : Marine Block IT Lab

Date   : 22nd Aug 2019

Time   : 9.00 AM

Three days National Level Workshop on "Data Exploration using R programming" from 22th to 24th August 2019

INAUGURATION

AGENDA

- Prayer Song

- Welcome Address

- Introduction of Chief Guest

- Chief Guest Address

- Vote of Thanks

Dr. T.Sukumar, ASP/IT
Ms. N.Uma, AP/IT
Ms. M.Sugacini, AP/IT   Dr.V.Vidhya
   Coordinators   **Head-Incharge/IT**

ABOUT THE COLLEGE

Sri Venkateswara College of Engineering (Autonomous), a premier self-financing engineering college was established in the year 1985 and is managed by Sri Venkateswara Educational and Health Trust. The college offers 10 BE/B.Tech Degree Courses and 10 PG Courses in Engineering/ Technology. The courses are approved by AICTE and affiliated to Anna University, Chennai, The college attained autonomous status in the year 2016. The college is accredited by National Assessment and Accreditation Council (NAAC). The National Board of Accreditation has accredited many of the eligible programmes. The college is an ISO 9001:2008 certified institution. The college is situated in serene environment about 37 Kms from Chennai and situated on the way of Chennai – Bangalore National Highway (NH4) at Pennalur, Sriperumbudur, in Kanchipuram district.

ABOUT THE DEPARTMENT

Sri Venkateswara College of Engineering Pioneered the introduction of the B.Tech degree programme in Information Technology in the year 1996. The Department of Information Technology has well qualified faculty members and is offering undergraduate course in Information Technology and a postgraduate course in Computer Science Engineering with specialization in Networks. Also, the Department is recognized as Research Centre by Anna University and many scholars are pursuing their research under the same.

B.Tech(IT) course is accredited by NBA for six years. SVCE is accredited as National Resource Centre by National Cyber Safety and Security Standards and managed by the Department of Information Technology.

ABOUT THE WORKSHOP

Cutting edge technologies and sparkling ideas in business make the whole world to discover meaningful Data to set new business strategies for the betterment of research and market in all domains. Hence the Data exploration and analysis is become an important aspect as many organizations have been collecting massive amounts of domain-specific data, which can contain useful information about the problems, organizations are facing. Data exploration is a thrusting technique to discover meaningful data and information for analysis purpose. The R language is widely used among statisticians and data miners for developing statistical software and data analysis. The rapid development in DBMS and Data Analysis techniques have a significant impact on modern business and in turn increase the use of these techniques in the areas of Financial Forecasting, Search Engines, Image Recognition, Natural Language Processing, Medical Diagnosis, Marketing Recommendation Systems, Classification and Prediction for various systems. This workshop is designed to provide the state of the art trends and advancements of Data exploration using R programming. The programme will focus on theoretical aspects and also provide hands on experience to participants.

WORKSHOP OBJECTIVE

- To expose the Faculty/ Research Scholars in emerging technologies in the area of Data Science and Machine learning.
- To provide an exposure to various machine learning techniques using python and derive practical solutions using predictive analytics

Workshop on "Data Exploration using R Programming"

(August 22nd – 24th, 2019)
REGISTRATION FORM

1. Name   :
2. Designation   :
3. Department   :
4. Educational Qualification:
5. Institution / Organization:
6. Mailing Address   :

7. Phone / Mobile   :
8. Email-id   :

Place:
Date: Signature of the
Candidate

RECOMMENDATION FROM THE HEAD OF THE INSTITUITION / ORGANIZATION

This is to certify that Mr. / Ms. ……………………

of ………………………………………………………

(Name of the Institution / Industry) is permitted to participate in the workshop during April 29- May 3, 2019 at Sri Venkateswara College of Engineering, Irungattukottai, Sriperumbudur Taluk- 602117, Tamilnadu.

Date
Signature
 Designation&Seal)

TOPICS COVERED

- **Introduction to Big Data Analytics**
- **Introduction to R Programming**
- **Hands on Experience on XStore – Oracle Retail Point of Service**
- **Hands on Experience on R Programming**

PARTICIPANTS

- *Students*
- **Researchers from Universities /**
- **Colleges / Research Institutions**
- **R & D Personnel of Industries**

RESOURCE PERSONS

Eminent resource persons from reputed academic institutions

REGISTRATION FEE

Rs. 750/- per participant

Registration Fee includes refreshments, programme kit and Certificate at the end of the workshop.

The registration fee is to be paid along with the completed registration form to the coordinators. The registration form is also available at our website: www.svce.ac.in

IMPORTANT DATES

Last date for registration: 16th August 2019

Confirmation of Selected candidate through email: 19th August 2019

ADVISORY COMMITTEE

Dr. M. Sivanandham
Secretary, Sri Venkateswara College of Engineering

Dr. S. Ganesh Vaidyanathan
Principal, Sri Venkateswara College of Engineering

Dr. V.Vidhya
Professor & Head-I/C, Information Technology
Sri Venkateswara College of Engineering

Dr. G.Sumathi
Professor,
Information Technology
Sri Venkateswara College of Engineering

Workshop
on
"Data Exploration using R Programming"
(August 22nd – 24th, 2019)
Organized By

**Department of Information Technology
Sri Venkateswara College of Engineering**

CONVENOR

**Dr. V.VIDHYA,
Professor & Head,
Information Technology**

COORDINATORS

**Dr. T. SUKUMAR
Ms. N. UMA
Ms. M. SUGACINI**

Department of Information Technology
Sri Venkateswara College of Engineering
(Autonomous - Affiliated to Anna University)
Sriperumbudur Tk -602117
Tamil Nadu, India
www.svce.ac.in

Sri Venkateswara College of Engineering
Department of Information Technology
Three Days National Level Workshop on "Data Exploration using R Programming"

Attendance Sheet

No.	Name	College	22/08/19 FN	22/08/19 AN	23/08/19 FN	23/08/19 AN	24/08/19 FN	24/08/19 AN
1	S. Harish	REC						
2	V. Nithish Kumar	REC						
3	G. Santhosh Krishna sha	REC						
4	Harsha Vardhini S	REC						
5	T. Mahalakshmi	REC						
6	R. Sudharshanaraj	SEC						
7	Poreddy Govardhan Reddy	SEC						
8	B. Preethi	SEC						
9	V. Rahul	SEC						
10	P. Preethi	SEC						
11	D. Inickezia Sisvin	PIT						
12	K. Aarthi	PIT						
13	M. Jayathi Priyanka	PIT						
14	G. S. Yogashree	PIT						
15	J. Jayanisha	PIT						
16	E. Indhira Priyadarsini	PIT						
17	P. Saikumar	SVCE						
18	R. Vasanthan	SVCE						
19	K. P. Rahul	SVCE						
20	R. Akkshaya	SVCE						
21	M. Meyyammai	SVCE						
22	S. Laksha	SVCE						
23	V. Revathy	SVCE						
24	V. P. Gokulnath	SVCE						
25	S. Gokulakrishnan	SVCE						
26	B. Gowtham	SVCE						
27	S. Saija	SVCE			AB	AB		
28	M. Vaishali	SVCE						
29	M. R. Vedhavarshini	SVCE						
30	S. Sangeetha	SVCE						
31	C. Sujithra	SVCE						
32	R. Pradheesha	SVCE						
33	T. S. Vishnu Priya	SVCE						
34	R. Pradeep	SVCE						
35	M. R. Kishore Kumar	SVCE						
36	G. Krithika	SVCE						
37	V. Anobhama	SVCE						
38	L. Francis Inigo Raj	SVCE						
39	K. Kalaimani	SVCE						
40	K. Mohan	SVCE						

41	S. Manigandan	SVCE						
42	P. K. Praveen Kumar	SVCE	P	P	P	P		
43	P .Sharon Femi	SVCE						
44	K. Kiruthika Devi	SVCE						
45	R. Iyswarya	SVCE						
46	S. Poorani	SVCE						
47	K. Kumanan	SVCE						
48	B. Praveen Kumar	SVCE						

SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK – NATIONAL LEVEL WORKSHOP ON DATA EXPLOARATION USING R PROGRAMMING

Name of the Student / Faculty / Staff	S. Maniganolan			
Year/Branch/College	Computer operator / Dept IT SVCE			

Whether the training/Course was useful? In what way? Give reasons.

22/08/2019			23/08/2019	24/08/2019
Introduction to Big Data Analytics by Ms. N. Uma, AP/IT	**Introduction to R Programming** by Ms. M. Sugacini, AP/IT	**Introduction to R Programming** by Dr. T. Sukumar, ASP/IT	**Xstore Oracle retail point of service** by Mr. Aaksah Kumar, Consultant, Logic Information System	**Hands on Session on R** by Ms. Usha Nandhini, ZoomRx
Basic of big Data Learned	usefull	very information	froplimnett onllen stme	Poctrcul Secinn Vbary usefulng

Any other suggestions

Signature

SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK – NATIONAL LEVEL WORKSHOP ON DATA EXPLOARATION USING R PROGRAMMING

Name of the Student	Sangeetha·S			
Year/Branch/College	3rd yr IT SVCE			

Whether the training/Course was useful? In what way? Give reasons.

22/08/2019			23/08/2019	24/08/2019
Introduction to Big Data Analytics by Ms. N. Uma, AP/IT	**Introduction to R Programming by** Ms. M. Sugacini, AP/IT	**Introduction to R Programming by** Dr. T. Sukumar, ASP/IT	**Xstore Oracle retail point of service by** Mr. Aaksah Kumar, Consultant, Logic Information System	**Hands on Session on R by** Ms. Usha Nandhini, ZoomRx
Gained some brief idea about big Data (Very Good)	Good got to work some basic operations in R	Due to some technical issues couldn't get proper handson session.	Got brief idea about pos system and tredit Developed Xstore (Good)	Got some better idea as whereto use R and some knowledge about what really Data Scio. do. (very good.)

Any other suggestions

NO

Signature

SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK – NATIONAL LEVEL WORKSHOP ON DATA EXPLOARATION USING R PROGRAMMING

Name of the Student	M. Vaishali			
Year/Branch/College	III yr / B.Tech IT/SVCE			
Whether the training/Course was useful? In what way? Give reasons.				
22/08/2019			23/08/2019	24/08/2019
Introduction to Big Data Analytics by Ms. N. Uma, AP/IT	**Introduction to R Programming** by Ms. M. Sugacini, AP/IT	**Introduction to R Programming** by Dr. T. Sukumar, ASP/IT	**Xstore Oracle retail point of service** by Mr. Aaksah Kumar, Consultant, Logic Information System	**Hands on Session on R** by Ms. Usha Nandhini, ZoomRx
Good Introduction Session	Good Could have handled more topics.	Good		Good Session. Interactive and useful Better understanding of R languages and its uses
Any other suggestions				
				Vaishali M Signature

SRI VENKATESWARA COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY

Three days National Level Workshop on "Data Exploration using R programming"

A Report

The Department of Information Technology organized a 3 days **National Level Workshop on "Data Exploration using R programming" from 22nd August to 24th August 2019.** The event started with a prayer song by S. Deepikha, III Year, IT followed by the welcome address by Dr. T. Sukumar , ASP/IT & Workshop Coordinator. Dr.V.Vidhya, Convenor of the Workshop gave an introductory talk emphasizing the importance of the Data Exploration and Big data in the industry perspective. She tinted the purpose of conducting such a programme and motivated the participants. The profile of the chief guest was given by Dr V.Vidhya, Head Incharge/IT and she addressed the gathering and gave an introductory note about the Workshop.

Workshop was inaugurated by Dr. S. Ganesh Vaidhyanathan, Professor and Principal, Sri Venkateswara College of Engineering. The Chief Guest highlighted the recent trend in Data Exploration and Big data with various real time scenarios.

Prayer Song on 22nd Aug 2019

Welcome Address by Dr. T Sukumar on 22nd Aug 2019

On Day one (22/08/2019), the first session on "Introduction to Big Data Analytics" was handled by Ms. N. Uma, Assistant Professor, Department of Information Technology. The session was started with an Introduction about Big Data and enlightens the need for the emergence of Data Exploration to the participants. The speaker elucidates the sources of big data and analytics techniques with real time applications.

The second session was handled by Ms. M. Sugacini, Assistant Professor, Department of Information Technology. She has focussed on "Introduction of R Programming" and prediction models with various real time applications. Subsequently, the third session was handled by Dr. T. Sukumar, Associate Professor, who has covered practical usage of R programming through R studio with various examples.

Introducing the Resource Person Mr. Aakash Kumar, Alumni 2016 Batch on 23rd Aug 2019

Technical Talk delivered by Mr. Aakash Kumar on 23rd Aug 2019

On the second day (23/09/2019), the fourth session by **Mr. Aakash Kumar**, Consultant, Logic Information System, covered "**XStore – Oracle Retail Point of Service** - with hands-on session. He gave an exposure about how data are explored in the industries. He has explained retail point of service dataset with hands on.

On day three (24/08/2019), the fifth session was handled by **Ms. K. R. Usha Nandhini**, **Associate, ZoomRX and her team**. She expounded the concepts with various data sets. She and her team gave a practical exposure to handle data set through R programming. In addition to that, she elucidates various predictive models with hands on.

Feedback by Student on 24th Aug 2019   Memento to Ms. K. R. Usha Nandhini on 24th Aug 2019

The Valedictory function was presided over by **Ms. K. R. Usha Nandhini, Associate, ZoomRX**. She awarded the certificates to all the participants. Dr.V.Vidhya motivated and requested all the participants to continue their work. Dr. T. Sukumar delivered the vote of thanks.

This Workshop was intended to provide opportunity for faculty members and Students for upgrading their knowledge in the area of Data analytics. The workshop was conducted with 16 external participants in and around Chennai and 25 internal participants (List enclosed).

The participants acclaimed the programme with various benefits acquired from the Workshop lecture sessions and the practical sessions. This gave insight to pursue research in these areas.

As a concluding note we express our heartfelt thanks to the Management and the Principal for their great support for the conduct of the programme.

Outcome of the Programme:

- The participants will be able to apply data exploration techniques irrespective of domain, for their problem.
- To become familiar with R Programming.
- To gain knowledge about Big Data Analytics techniques and technologies

Dr.V.Vidhya, HOD-In charge
Workshop Convenor,
Department of Information Technology.