

**Workshop on Data Science with Panel Discussion on Career Prospects
(18-19th September 2019)**

TEACHER'S ACTIVITY REPORT 2019-2020

FACULTY: SCIENCE **DEPARTMENT:** ELECTRONICS **IQAC ACTIVITY No:** SVC/2019-20/ELECT/NK/2

NAME OF THE ACTIVITY: Workshop on Data Science with Panel Discussion on Career Prospects			
DATE	FACULTY	DEPARTMENT/COMMITTEE	COORDINATOR NAME
18-19 th September 2019	Science	Electronics	Dr Neeru Kumar, Dr Neha Verma, Mr Hari Singh
TIME	VENUE	NUMBER OF PARTICIPANTS	NATURE: Outdoor/Indoor
09:30 AM-04:30 PM	ICT Lab III	54	Indoor
SUPPORT/ASSISTANCE:	Sri Venkateswara College, University of Delhi, IEEE EDS Delhi Chapter, Innovians Technologies in association with TECHNEX'20 Indian Institute of Technology (BHU), Varanasi		

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO. –III, IV,V):

TOPIC/SUBJECT OF THE ACTIVITY	Two Day Workshop On Data Science by Innovians Technologies in association with TECHNEX'20 Indian Institute of Technology (BHU), Varanasi. A Panel Discussion on Career Prospects by Prof Mridula Gupta, Head of the Department, Department of Electronics Science.
OBJECTIVES	<ul style="list-style-type: none"> To provide a platform where students can learn various concepts of Data Science through hands on session. To offer opportunities to students in clarifying their career development queries in the field of Electronics.
METHODOLOGY	Hands-on and Interactive Sessions in ICT Lab
OUTCOMES	<ul style="list-style-type: none"> Students learnt about the importance of Data Science, Machine learning, Exploratory Data Analysis, and Python Programming on the First day. Interesting hands-on sessions about Data Manipulation in Python, Machine Learning Techniques, and Machine Learning Implementation on Second day. Students also worked on a live project and participated in a competition, organized by the resource person (Innovians Technologies in association with TECHNEX'20 Indian Institute of Technology(BHU), Varanasi) Students also had a Panel Discussion on Career Prospects in the Research area of Electronics by Professor, Mridula Gupta, Head of the Department, Department of Electronics Science.

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

Notice & Letters✓	Student list of participation	Activity report ✓	Photos ✓	Feedback form✓
Feedback analysis✓	News clip with details	Certificate ✓	Any other	

IQAC Document No:	Criterion No: III, V	Metric No:
Departmental file No:	IQAC file No:	

NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
Dr. Neeru Kumar	Dr. Neeru Kumar	

For Reference

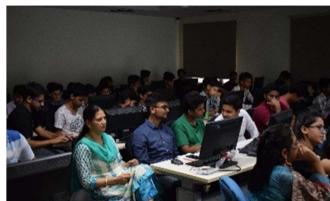
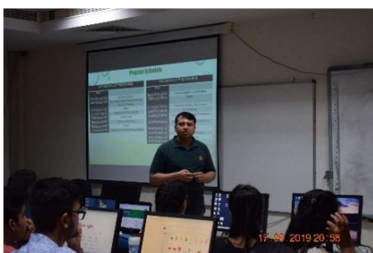
Criterion I	Curricular Aspects (planning & Implementation)	Criterion V	Student Support & Progression
Criterion II	Teaching Learning & Evaluation	Criterion VI	Governance
Criterion III	Research, Innovations & Extension	Criterion VII	Institutional Values & Best Practices
Criterion IV	Learning Resources and Infrastructure		

PROOFS
SUMMARY REPORT & PHOTOS



The buzzword of Data Science has been circulating for a while, but a very few people know about it. The principal purpose of Data Science is to find patterns within data. It uses various statistical techniques to analyze and draw insights from the data. Due to the growing scope of data, data science came into picture which is a multidisciplinary field. It uses scientific approaches, procedure, algorithms, and framework to extract the knowledge and insight from a huge amount of data. The

extracted data can be either structured or unstructured. Data science is a concept to bring ideas together, data examination, Machine Learning, and their related strategies to comprehend and dissect genuine phenomena with data. With this growing importance of Data Science today, the Department of Electronics decided to have a workshop on it. With our encouraging principal, Dr. Hemalatha Reddy and immense support of the whole department, we successfully organized a two day workshop on Data Science on 18-19 September, 2019, supported by IEEE EDS Delhi Chapter. It was organized by Innovians Technologies in association with TECHNEX'20, Indian Institute of Technology (BHU), Varanasi.



The overwhelming response for this workshop was well recognized by the registration of more than 50 participants. All the arrangements were well managed and beautiful Rangolis were made by our creative students to mark the inauguration. The workshop started-off with the inaugural ceremony wherein Dr. Neeru Kumar, Teacher in Charge, Department of Electronics, welcomed the august gathering. Followed was the lighting of lamp by our Resource person, Mr. Vishwajeet Rana, Trainer for the workshop, Faculty Members, Laboratory Staff, and Office Bearers of Department Student Council. Subsequently, Mr. Vishwajeet Rana took over the charge and started with Data Science basic concepts preceded by various technical sessions.





Students learnt about the importance of data science, machine learning, exploratory data analysis, and Python programming on the first day. The second day marked off with several interesting hands on sessions about data manipulation in python, machine learning techniques, and machine learning implementation. All the student participant attentively listened to this intensive short course and also asked questions as and when needed. The last session of the workshop was a case study and a competition amongst the students, where they outperformed. All the sessions and activities during the workshop brought the concepts of data science to life with our trainer.


We also had a panel discussion on career prospects in the research area of electronics. For this, Professor, Mridula Gupta, Head of the Department, Department of Electronics Science came to grace our event. She addressed the inquisitiveness of our students and guided them in a perfect manner. To conclude, this workshop provided a platform where undergraduate students had a broad exposure to key concepts and introduced them to the tools from Python and Machine learning. They also had their career related queries resolved by the end of the workshop.



NOTICES (POSTER)

**TECHNEX'20**
The annual techno-management festival of
Indian Institute of Technology
(Banaras Hindu University) Varanasi



**INNOVIANS
TECHNOLOGIES**
(ISO 9001:2015 Certified)

Sri Venkateswara College

DEPARTMENT OF ELECTRONICS

brings you the first step towards

DATA SCIENCE

A WORKSHOP

BY
INNOVIANS TECHNOLOGIES
In Association With
TECHNEX'20, INDIAN INSTITUTE OF TECHNOLOGY (BHU),
VARANASI

18-19
September,
2019


ICT LAB III
09:30 AM-04:30
PM

Machine Learning,
Exploratory Data
Analysis, Python
Programming, Data
Mining

**PANEL
DISCUSSION**

**CAREER
PROSPECT**

Sponsored By
IEEE EDS Delhi Chapter

**IEEE EDS**
IEEE ELECTRON
DEVICES SOCIETY

Patron: Dr P Hemalatha Reddy (Principal)
Convener: Dr Neeru Kumar
Co-convener: Dr Neha Verma, Mr Hari Singh
Organizing Team: Dr J Lalita, Dr Nutan Joshi,
Dr Sunita Jain, Dr Rakhi Narang, Ms Shubhra Gupta

FLYER & SCHEDULE

SRI VENKATESWARA COLLEGE
UNIVERSITY OF DELHI


DEPARTMENT OF ELECTRONICS
PRESENTS


TWO DAYS WORKSHOP
ON
DATA SCIENCE

By
INNOVIANS TECHNOLOGIES
In Association with
**TECHNEX'20 INDIAN INSTITUTE OF
TECHNOLOGY (IIT), VARANASI**


WHEN
18th-19th September, 2019
09:30 AM – 04:30 PM

WHERE
ICT LAB-III
Sri Venkateswara College, Dhaula Kuan, New Delhi-110021





SPONSORED BY
IEEE EDS
DELHI
CHAPTER



REGISTRATION FEE:
INR 600/-
(LIMITED SEATS ONLY)
Fee payable to :
Principal,
Sri Venkateswara
College.

Contact Person
Ms Nancy Tyagi
(President)
+91-7042037915

ABOUT THE WORKSHOP

This workshop will provide a platform where young undergraduate students can learn Data Science. Data Science is the process of examining data sets in order to draw conclusions about the information they contain, increasingly with the aid of specialized systems and software. The workshop will be for two days and some important topics will be covered i.e. Machine Learning, Exploratory Data Analysis, Python Programming etc.

SCHEDULE**Wednesday, 18th September, 2019**

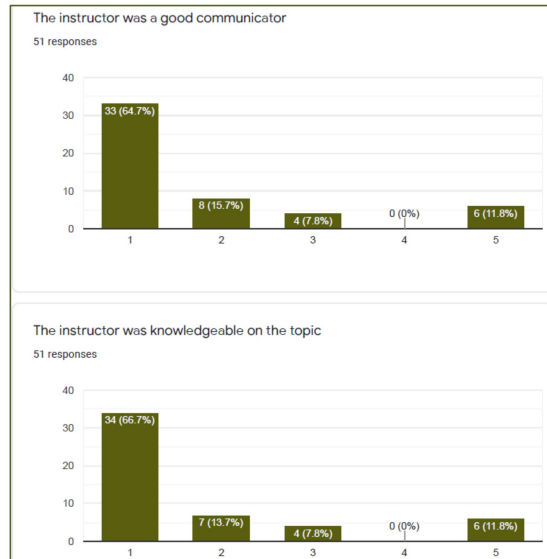
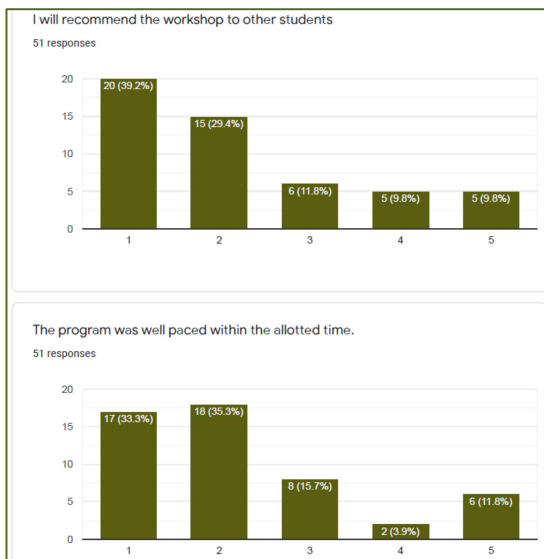
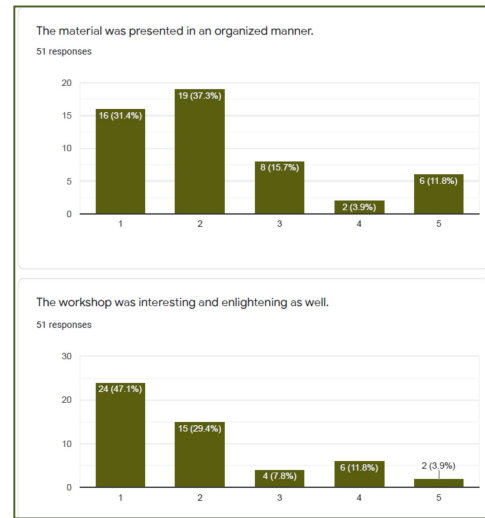
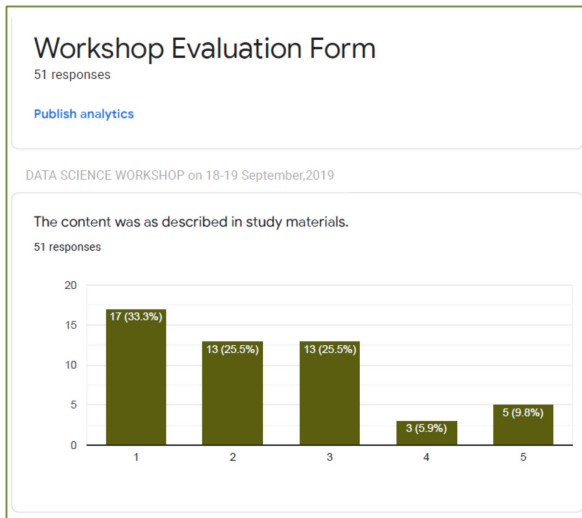
TIME	
09:30 AM-10:00 AM	Welcome Address
10:00 AM-11:00 AM	Introduction about Data Science and Machine Learning
11:00 AM-11:15 AM	Break
11:15 AM-12:45 PM	Exploratory Data Analysis
12:45 PM-01:30 PM	Lunch Break
01:30 PM-03:00 PM	Working with Python
03:00 PM-03:15 PM	Break
03:15 PM-04:30 PM	Introduction to Python Programming

Thursday, 19th September, 2019

TIME	
09:30 AM-11:00 AM	Data Manipulation in Python
11:00 AM-11:15 AM	Break
11:15 AM-12:45 PM	Machine Learning Techniques
12:45 PM-01:30 PM	Lunch Break
01:30 PM-02:30 PM	Data Mining: Clustering Techniques
02:30 PM-03:00 PM	Machine Learning Implementation
03:00 PM-03:15 PM	Break
03:15 PM-04:15 PM	Case Studies and Project
04:15 PM-04:30 PM	Vote of Thanks

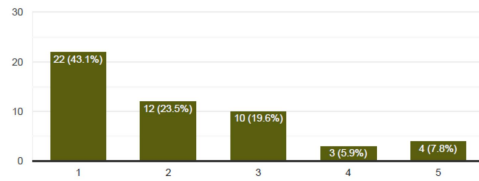
FEEDBACK FORM

Workshop Evaluation Form	
Your feedback is critical for Department Of Electronics, Sri Venkateswara College to ensure we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinion with us so we can serve you better.	
DATA SCIENCE WORKSHOP on 18-19 September,2019 Conducted by : Innovians Technology in association with IIT VARANASI	
The content was as described in study materials. * <div> 1 2 3 4 5 </div> <div> Strongly Agree <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> Strongly Disagree </div>	
The material was presented in an organized manner. * <div> 1 2 3 4 5 </div> <div> Strongly Agree <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> Strongly Disagree </div>	
The workshop was interesting and enlightening as well. * <div> 1 2 3 4 5 </div> <div> Strongly Agree <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> Strongly Disagree </div>	
I will recommend the workshop to other students * <div> 1 2 3 4 5 </div> <div> Strongly Agree <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> Strongly Disagree </div>	
The program was well paced within the allotted time. * <div> 1 2 3 4 5 </div> <div> Strongly Agree <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> Strongly Disagree </div>	
The instructor was a good communicator * <div> 1 2 3 4 5 </div> <div> Strongly Agree <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> Strongly Disagree </div>	
The instructor was knowledgeable on the topic * <div> 1 2 3 4 5 </div> <div> Strongly Agree <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> Strongly Disagree </div>	
I would be interested in attending a follow-up, more advanced workshop on this same subject. * <div> 1 2 3 4 5 </div> <div> Strongly Agree <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> Strongly Disagree </div>	
Given the topic, was this workshop * <div> <input type="radio"/> Too short <input checked="" type="radio"/> Right Length <input type="radio"/> Too long </div>	
In your opinion, was this workshop * <div> <input type="radio"/> Introductory <input checked="" type="radio"/> Intermediate <input type="radio"/> Advanced </div>	

FEEDBACK ANALYSIS

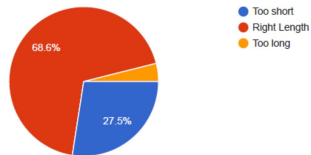
I would be interested in attending a follow-up, more advanced workshop on this same subject.

51 responses



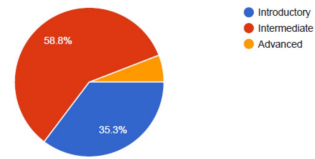
Given the topic, was this workshop

51 responses

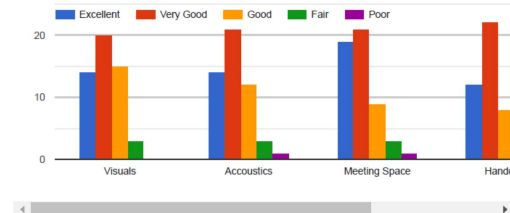


In your opinion, was this workshop

51 responses



Please rate the following



What did you most appreciate was best about the workshop? Any suggestions for improvement

51 responses

X

Yun

The thing that I like about the workshop is that the teacher was very good he is master in his field and he first give us an intro about python for 2 hours to built our interest in python

No suggestions !!

Way of Teaching

the workshop was interesting and enlighten as well

All in all a very good experience where the basics of an unknown language was cleared in such a good manner that now the language seems quite familiar.

Learning environment

CERTIFICATE





SRI VENKATESWARA COLLEGE
(University of Delhi)

Internal Quality Assurance Cell

Chairperson

Prof C. Sheela Reddy
Principal
Sri Venkateswara College

IQAC Coordinator

Dr. N. Latha
Department of Biochemistry

External Members

Prof Debi P Sarkar
Department of Biochemistry
University of Delhi South
Campus

Prof Alo Nag
University of Delhi South
Campus

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NIPGR, Delhi

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Department of Commerce

Dr. Padma Priyadarshini
Department of Sociology

Dr. Nimisha Sinha
Department of Biochemistry

Shri D. Venkat Ramana
A.O(I/C)

This is to certify that the Activity report (Teacher/Department /Society/Association)
has been submitted for documentation to IQAC, Sri Venkateswara College,
University of Delhi.

N. Latha

IQAC Coordinator
Sri Venkateswara College

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