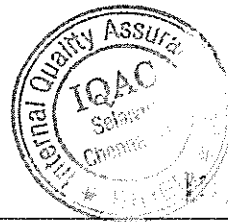


**Bharath Institute of Higher Education and Research**  
[Declared Under Section 3 of UGC Act, 1956] Chennai-600073.  
**INTERNAL QUALITY ASSURANCE CELL (IQAC) DOCUMENTS  
SUBMISSION FORM**

Date of Submission	13.03.2020
Type of Documents	Workshop report
Description	"Two days Workshop on Data Analysis"
Enclosures	a) Requisition Letter
	b) Circular
	c) Brochure, Invitation, Schedule
	d) List of Participants
	e) Photo
	f) Certificate
	g) feedback form
No. of Pages	13
Submitted By	Name : Ms. P. Jennifer
	Designation : Assistant Professor
	Department : Department of Computer Science
	Signature :

**For Office Use Only**

Verified By:	K. Sakthivel	Sign:	Date: 13/3/2020
Uploaded By:	K. Senthil Kumar	Sign:	Date: 13/3/2020
File Name:	BS-LOOKK-2019-2020-013		



Director

**IQAC-BIHER**

**K. NAVEENCHANDRAN**  
Director

Internal Quality Assurance Cell (IQAC)  
Bharath Institute of Higher Education & Research  
(Declared as Deemed to be University as per UGC Act, 1956)  
Seraiyur, Chennai - 600 073, India.



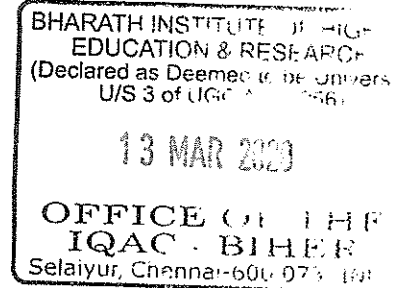
# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as deemed to be university under section 3 of UGC Act 1956, vide notification No.F-9-5/2000-U.3)

04.03.2020

To  
The Dean (Arts & Science)  
Bharath Institute of Science and Technology  
BIHER  
Chennai - 600126.



Respected sir,

**Sub: Two days Workshop to be organized by the Department of Computer Science, School of Basic Sciences in association with Aptech Softview Solutions Pvt Ltd on March 2020- Request for Permission -Reg.**

It is proposed to organize "Two days Workshop On Data Analysis" on March 2020. The proposal may kindly approve.

Kindly accept our request and do the needful.

HOD/CS

Head of the Department  
Department of Computer Science  
Faculty of Arts & Science  
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH  
(Declared as Deemed to be university U/S 3 of UGC Act. 1956)  
CHENNAI-600 126, INDIA.



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## SCHOOL OF BASIC SCIENCES

Date: 06.03.2020

From

The HOD  
Department of Computer science  
School of Basic Sciences  
BIHER


To

Mr. M. ChandrasekarRao,  
Business Head  
Chennai.

Respected Sir

Sub: The Department of Computer science, School of Basic Sciences, BIHER, proposed to conduct a **“Two days Workshop On Data Analysis”** in association with **Aptech Softview Solutions Pvt Ltd**-Permission requested to deliver an invited talk - **Reg.**

In the continuation of telephonic conversation, it is requested to deliver an Invited talk in **DATA ANALYSIS** on **10<sup>th</sup> and 11<sup>th</sup> March 2020**. Kindly accept our request and do the needful.

  
Head of the Department  
Department of Computer Science  
Faculty of Arts & Science  
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH  
(Declared as Deemed to be University U/S 3 of UGC Act. 1956  
Chennai-600 126. INDIA.



# **Bharath**

**INSTITUTE OF HIGHER EDUCATION AND RESEARCH**

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## **SCHOOL OF BASIC SCIENCES**

**Date:09.03.2020**

### **CIRCULAR**

We are pleased to inform that the School of Basic Sciences is organizing a “Two days Workshop On Data Analysis” on 10<sup>th</sup> and 11<sup>th</sup> March 2020 in association with Aptech Softview Solutions Pvt Ltd, Chennai. The details of the program are:

**Resource person** : **Mr. M. ChandrasekarRao,**  
**Business Head**  
**Chennai.**

**Convener** : **Dr. D. Kerana Hanirex**

**Coordinator** : **Ms. P. Jennifer**

The interested students shall register their names for the programs. All are invited to take active part in the program.



  
**Convener**




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<p><b>Chief Patrons</b> Dr.S. JAGATHRAKSHAGAN Founder, BIHER.</p> <p><b>Patrons</b> Dr. J.SUNDEEP AANAND Chancellor, BIHER. Dr. S. SWETHA SUNDEEP AANAND Managing Director, BIHER.</p> <p><b>Advisory Committee</b> Dr. V. Kanagasabai, Vive-Chancellor, BIHER Dr.. V.Thuyamani, Pro-VC, BIHER Dr. S.Bhominadhan ,Registrar, BIHER</p> <p><b>Convener</b> Dr. D. Kerana Hanirex, HOD/CS-Faculty of Arts &amp; Science, BIHER,Chennai.</p> <p><b>Co-ordinator</b> Ms. P. Jennifer Dept. of CS, BIHER.</p>	<p><b>Participation</b> It is open to faculty members of academic institution, PG/UG/Research Scholars of Computer science and computer application department and interested department can also participate.</p> <p><b>Address of Communication</b> Department of Computer Science School of Basic Science Bharath Institute of Higher Education and Research, (BIHER) 83/3, Agaram Main Rd, Tiruvanchery, Selaiyur, Chennai, Tamil Nadu 600126 www.bharathuniv.ac.in</p> <p><b>Resource Person</b> <b>Mr. M. ChandrasekarRao,</b> <b>Business Head</b> <b>Chennai.</b></p>	 <p><b>Two days Workshop</b> <b>On</b> <b>Data Analysis</b> <b>in association with Aptech Softview</b> <b>Solutions Pvt Ltd</b> <b>10<sup>th</sup> and 11<sup>th</sup> March 2020</b></p>  <p><b>Organized by</b> Department of Computer Science School of Basic Sciences Bharath Institute of Higher Education and Research, (BIHER) 83/3, Agaram Main Rd, Tiruvanchery, Selaiyur, Chennai, Tamil Nadu 600126 www.bharathuniv.ac.in</p>
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<p><b>ABOUT BIHER:</b> Bharath Institute of Higher Education and Research (Bharath University) was established under the aegis of Sri Lakshmi Ammal Educational Trust with the aim of imparting higher knowledge in Science and Technology to the aspiring boys and girls so that they can emerge as competent scientists, engineers and technologists of repute. BIST was started in the year 1984, and acquired deemed to be University status in the Year 2003 by University Grant Commission (UGC). The Institute is committed to the grand task of providing quality education, which will transform the students into efficient and successful careerists. Students who have graduated from BIST are already serving in responsible positions, in India and Abroad.</p> <p><b>ABOUT DEPARTMENT:</b> The Department of Computer Science was established in the academic year 1998 with the intake of 60 in Bharath Institute of Science and Technology [BIST], Chennai. It strives hard to develop world class, self disciplined computer professionals who will be responsible for uplifting the economical status of our Nation and humanity.</p>	<p>The Programmes offered under Department of Computer Applications are: Master of Computer Applications - (3 Years). Lateral Entry (2 Years). M.Sc. (CS) - Master of Computer Science (2 Years). BCA- Bachelor of Computer Applications (3 Years). B.Sc. (CS) - Bachelor of Science in Computer Science (3 Years). M.Phil. &amp; Ph.D</p> <p><b>WORKSHOP OBJECTIVES</b> To address for examines the interaction between information and methods of communication technology. It explores the impact that technology has on individuals and organizations and the effects of current technology infrastructure plus use, duplication, and transmission of information in our world. Exhibit proficiency with software applications and demonstrate knowledge of computer technology and components to aide in their understanding of data and information.</p> <p><b>IMPORTANT DATES</b> Last date for Registration: 09.03.2020 Date of WORKSHOP: 10<sup>th</sup> and 11<sup>th</sup> March 2020</p>	 <p><b>Two days Workshop</b> <b>On</b> <b>Data Analysis</b> <b>in association with Aptech Softview</b> <b>Solutions Pvt Ltd.</b> <b>10<sup>th</sup> and 11<sup>th</sup> March 2020</b></p> <p><b>REGISTRATION FORM</b> Name : Qualification : Designation: Department: Address for Communication: Mobile No : Email : Applicant's Signature; <i>Photo copy of the form can be used</i></p>
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## PROGRAM SCHEDULE

(10.03.2020)

- Inauguration** : **09.30 -10.00 A.M.**
- 09.30 am** : **Welcome Address**  
**Mrs.E. Srimathi**
- 09:35 am** : **About the Workshop**  
**Mrs.S. BrindhaRajakumari**
- 09:40 am** : **Introduction of the Chief Guest**  
**Mr.S.Kannan**
- 09:45 am** : **Inaugural address by Chief Guest**  
**Mr. M. ChandrasekarRao,**  
**Business Head**  
**Chennai.**
- 10.00 am** : **Invited Talk**  
**Mr. M. ChandrasekarRao,**  
**Business Head**  
**Chennai.**
- Discussion** : **11 a.m – 1.30p.m**
- Lunch** : **1.30 p.m – 2.30 p.m**
- Discussion** : **2.30 p.m – 4.00p.m**

**(11.03.2020)**

**10.30 am** : **Invited Talk**  
**Mr. M. ChandrasekarRao,**  
**Business Head**  
**Chennai.**

**Discussion** : **11 a.m – 1.30 p.m**

**Lunch** : **1.30 p.m – 2.30 p.m**

**Valedictory Function** : **2.30 p.m – 3.00 p.m**

**Participants' feedback**

**Vote of Thanks** : **Coordinator**  
**Ms. P. Jennifer**



# Bharath

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## SCHOOL OF BASIC SCIENCES

Participant List  
Workshop on Data Analysis  
Total No. Of Students :50

S.NO	NAME OF THE CANDIDATE	DEPT	COLLEGE NAME
1.	PRITHIKA .V	B.Com	Madras Christian College
2.	VINCENT .C	BCA	Sri Venkateshwara Arts and Science
3.	KARTHIK .R	CS	Gurunank College
4.	SADHAN ANANDH K	BA Eng	Sri Lakshmi Ammal Arts
5.	SMITHA C.S	BA Eng	Sri Lakshmi Ammal Arts
6.	YUKANTHAN A	B.Com	Madras Christian College
7.	SURYA PRAKASH S	B.Com	Sri Lakshmi Ammal Arts
8.	PREM J	Tamil	Sri Lakshmi Ammal Arts
9.	NARENDHAR S	BCA	Sri Venkateshwara Arts and Science
10.	REENA K K	Tamil	Sri Lakshmi Ammal Arts
11.	SYED MAHASHAD KARIM	BCA	Sri Venkateshwara Arts and Science
12.	GLADSON J	B.Com	Madras Christian College
13.	KOTNANI KRISHNA VAMSI	Tamil	Sri Lakshmi Ammal Arts
14.	VIJAYALAKSHMI A	BCA	Gurunank College
15.	VISHANTH K	Chemistry	Sri Lakshmi Ammal Arts
16.	Sofia A	CS	Gurunank College
17.	SubhmoySamanta .	BCA	Sri Venkateshwara Arts and Science
18.	SURYA PRAKASH S	CS	Gurunank College
19.	SUSENDRAN T	CS	Gurunank College
20.	TAMIL SELVA KUMAR V	BA Eng	Sri Lakshmi Ammal Arts
21.	PRADEEP KUMAR P	BCA	Gurunank College
22.	KOSHIK S	BCA	Gurunank College

23.	ADITYA T S M	B.Com	Madras Christian College
24.	SRIRAM S	BCA	Sri Venkateshwara Arts and Science
25.	INDRA KUMAR SAHU	B.Com	Madras Christian College
26.	JANAKI RAMAN V	B.Com	Madras Christian College
27.	SANTHOSH M	Biotech	Sri Lakshmi Ammal Arts
28.	VIJAY S	BCA	Gurunank College
29.	SARAVANAN R	BCA	Sri Venkateshwara Arts and Science
30.	U16CA041-PRASANTH P	CS	Gurunank College
31.	U16CA053-GANESH R	B.Com	Madras Christian College
32.	Manikandan. V	B.Com	Sri Lakshmi Ammal Arts
33.	U16CA701-KARTHICKRAJA J	Biotech	Sri Lakshmi Ammal Arts
34.	S. Surya	CS	Gurunank College
35.	U16SC016-DHARUN KUMAR M	BCA	Gurunank College
36.	Sangeetha	CS	Gurunank College
37.	U16SC048-PURUSHOTHAMAN K	Biotech	Sri Lakshmi Ammal Arts
38.	KAVITHA C	Biotech	Vaishnav College
39.	PAVANKRISHORE P	BCA	Gurunank College
40.	Preetha .	CS	Vaishnav College
41.	PREM J	CS	Gurunank College
42.	U17SC602-MOHAMMED JABITH	BCA	Bharath Institute of Higher Education and Research
43.	U17SC043-LAVANYA	BCA	Bharath Institute of Higher Education and Research
44.	BALAMURUGAN B	BCA	Bharath University
45.	HEMNATH KUMAR RAJU R	BCA	Ramanujar College
46.	ARUN S	BCA	A.M Jain College
47.	U17SC044-PACHAIYAPPAN	B.Sc CS	Bharath Institute of Higher Education and Research
48.	NANDHINI POOJA R	B.Sc CS	Bharath University
49.	U17SC017-SHARMILA DEVI	B.Sc CS	Bharath Institute of Higher Education and Research
50.	JAYASOORYA V	B.Sc CS	MCC

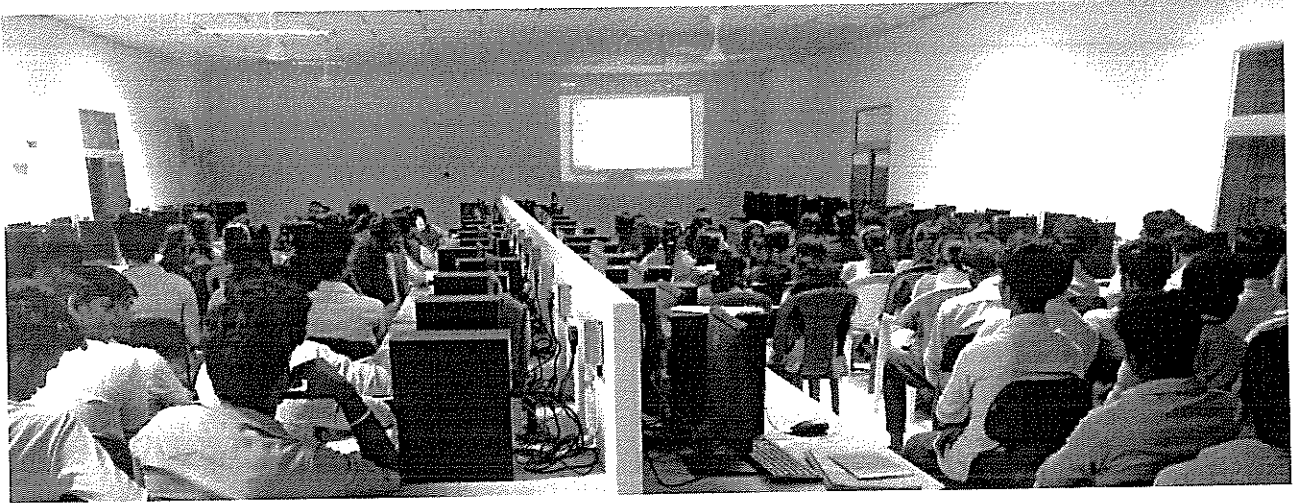


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**“Two Days WORKSHOP ON DATA ANALYSIS 10.3.2020 & 11.3.2020”**



**Students attended Workshop on DATA ANALYSIS**



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## SCHOOL OF BASIC SCIENCES

### SECOND WORKSHOP ON DATA ANALYSIS

#### FEEDBACK FORM

Name : Lavanya  
Department: CS  
College Name: BIHER

<u>Criteria</u>	<u>Strongly</u> <u>Agree</u> <u>(3)</u>	<u>Agree</u> <u>(2)</u>	<u>Disagree</u> <u>(1)</u>
Workshop was relevant to my needs	✓		
Length of Workshop was sufficient	✓		
Content was well organized		✓	
Questions were engaged	✓		
Instructions were clear and understandable	✓		
Workshop met my expectations	✓		
The Lab Sessions were effective	✓		

Lavanya  
Signature



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## SCHOOL OF BASIC SCIENCES

### Two days, Second Workshop on DATA ANALYSIS

#### FEEDBACK FORM

Name : *A. Sofia*  
Department: *CS*  
College Name: *Gurunanak*

<u>Criteria</u>	<u>Strongly Agree</u> <u>(3)</u>	<u>Agree</u> <u>(2)</u>	<u>Disagree</u> <u>(1)</u>
Workshop was relevant to my needs	✓		
Length of Workshop was sufficient		✓	
Content was well organized	✓		
Questions were engaged		✓	
Instructions were clear and understandable	✓		
Workshop met my expectations	✓		
The Lab Sessions were effective	✓		

*Sofia A.*  
Signature

**CERTIFICATE**




**Bharath Institute of Science and Technology**  
63.3 Agharam Main Road, Secretariat Colony, Thiruvanchery, Selalpur, Chennai - 600126, Tamil Nadu, India.

**School of Basic Sciences**

**Certificate of Participation**

*This certificate is awarded to Mr./ Ms. Lavanya for enthusiastic participation in Two days Workshop on DATA ANALYSIS organized by the department of computer science, School of Basic Sciences, BIHER in association with Aptech Softview Solutions Pvt Ltd, Chennai held on 10<sup>th</sup> and 11<sup>th</sup> March 2020.*

  
Ms. F. Jennifer  
Co-Ordinator

  
Dr. D. Keerana Hanirex  
Convener