



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)

SCHOOL OF BASIC SCIENCE

Date : 4.5.2018

CIRCULAR

Sub: Organising Value added Course: Measurement of system analysis- reg.,

With reference to the above mentioned subject, we bring it to your notice that School of Basic Science, Bharath Institute of Higher Education & Research is organising **Value added course "Measurement of system analysis"**. The syllabus and registration form is enclosed below.

The candidates those who are interested to join must fill the registration form and submit to the Course Coordinator Dr.P.PAULRAJ, School of Basic Science on or before 23.06.2018. The Registration form received after the mentioned date shall not be entertained under any circumstances.

Encl: A copy of Syllabus & Registration form

Copy To:

1. All HODs
2. Office File/ Notice Board
3. Course Coordinator


Dean- Arts and Science
Dea Faculty of Arts & Science
Bharath Institute of Higher Education & Research
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)
Chennai-600 073. INDIA

Bharath Institute of Higher Education & Research
SCHOOL OF BASIC SCIENCE
Lesson Plan

Value Added Course: Measurement system analysis			Course Duration:30 Hrs	
S.No	Date	Topic	Time	Hour
1	04-06-18	Introduction of Measurement system analysis	2.00-3.00p.m	1
2	05-06-18	Errors: Expected Uncertainty & Probability and Statistics	2.00-3.00 p.m	1
3	06-06-18	Lab Safety, Report Writing and Graphing	2.00-3.00 p.m	1
4	07-06-18	Instrument Characteristics and Zero Order Systems	2.00-4.00 p.m	2
5	08-06-18	Force and Strain Measurements	2.00-4.00 p.m	2
6	09-06-18	Temperature Measurements	10.30-12.30 a.m	2
7	11-06-18	Pressure Measurements	2.00-4.00 p.m	2
8	12-06-18	Flow Measurements	2.00-4.00 p.m	2
9	13-06-18	Rotational Frequency Measurements	2.00-3.00p.m	1
10	14-06-18	Power Measurements	2.00-4.00 p.m	2
11	15-06-18	Drag Force	2.00-4.00p.m	2
12	16-06-18	Measurement System Behavior: First Order Systems	10.30-12.30 a.m	2
13	18-06-18	Computerized Data Acquisition	2.00-4.00p.m	2
14	19-06-18	Heat Transfer Basics	2.00-4.00 p.m	2
15	20-06-18	Dynamic Response of a Thermocouple	2.00-4.00 p.m	2
16	21-06-18	Measurement System Behavior: Second Order Systems	2.00-4.00 p.m	2
17	22-06-18	Analysis of A U-Tube Manometer	2.00-4.00 p.m	2

Bharath Institute of Higher Education & Research
School of Basic Science
Course TimeTable

Value Added Course: Measurement system analysis

Course Duration:30 Hrs

S.No	Date	Time	Hour
1	04-06-18	2.00-3.00p.m	1
2	05-06-18	2.00-3.00 p.m	1
3	06-06-18	2.00-3.00 p.m	1
4	07-06-18	2.00-4.00 p.m	2
5	08-06-18	2.00-4.00 p.m	2
6	09-06-18	10.30-12.30 a.m	2
7	11-06-18	2.00-4.00 p.m	2
8	12-06-18	2.00-4.00 p.m	2
9	13-06-18	2.00-3.00p.m	1
10	14-06-18	2.00-4.00 p.m	2
11	15-06-18	2.00-4.00p.m	2
12	16-06-18	10.30-12.30 a.m	2
13	18-06-18	2.00-4.00p.m	2
14	19-06-18	2.00-4.00 p.m	2
15	20-06-18	2.00-4.00 p.m	2
16	21-06-18	2.00-4.00 p.m	2
17	22-06-18	2.00-4.00 p.m	2



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SCHOOL OF BASIC SCIENCE

Course Feedback form

Value Added Course

Date: 28/6/2018

Course Title: Measurement system analysis

Name: M. Satishkumar
RegNo: U17CI025
Department: Chemistry

S.No	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very Satisfied)						
1.	Ojectives of the course clear to you				✓	
2.	Course contents met with your expectations				✓	
3.	Lecture sequence was well planned					✓
4.	Lectures were clear and easy to understand				✓	
5.	Teaching aids were effective					✓
6.	Instructors encourage interaction and were helpful				✓	
7.	The level of the course				✓	
(1. Very poor 2. Poor 3. Average 4. Good 5. Excellent)						
8.	Overall rating of the course:	1	2	3	4	5

Please give Suggestion for the improvement of the course:


Signature



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SCHOOL OF BASIC SCIENCE

Course Feedback form

Value Added Course

Date: 28/6/2018

Course Title: Measurement system analysis

Name: B. Rakesh
RegNo: U17CI035
Department: Chemistry

S.No	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very Satisfied)						
1.	Objectives of the course clear to you				✓	
2.	Course contents met with your expectations					✓
3.	Lecture sequence was well planned				✓	
4.	Lectures were clear and easy to understand				✓	
5.	Teaching aids were effective					✓
6.	Instructors encourage interaction and were helpful					✓
7.	The level of the course					✓
(1. Very poor 2. Poor 3. Average 4. Good 5. Excellent)						
8.	Overall rating of the course:	1	2	3	4	5

Please give Suggestion for the improvement of the course:

Rakesh
Signature



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH

School of Basic Science

83/3, Agaram Main Road, Thiruvancherry, Chennai-600 126, Tamilnadu, India.

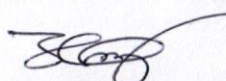
Certificate of participation

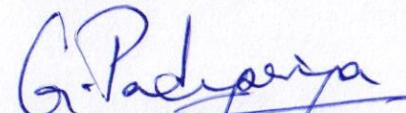
This is to certify that

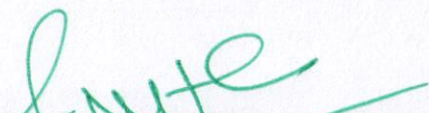
B. LOGESHWARY

has participated in the value added course: Measurement system analysis, a unique and special program held at School of Basic Science, BIHER from June 4, 2018 to June 22,

2018.


Dr. P. Paulraj
Course Co-ordinator


Dr. G. Padmapriya
Convener


Dr. A. Muthukumaravel
Dean- Arts & Science



Shaheed

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SCHOOL OF BASIC SCIENCE



Resource Person Details

Dr.Dr . S. Arul Antony
Asso. Prof and Head,
Department of Chemistry,
Presidency College,
Chennai -600005



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SCHOOL OF BASIC SCIENCE

Registration Form

Value Added Course

Date: 19/5/2018

Name : M. SATISHKUMAR

Reg.No. : U17CI025

Gender : MALE

Department : CHEMISTRY

Year : 2017

Contact No. : 8190081492

Email ID : sandysatish@gmail.com

Course Applied For : Measurement of system analysis

NSH
Signature



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SCHOOL OF BASIC SCIENCE

Registration Form

Value Added Course

Date: 18/5/2018

Name : B. RAKESH

Reg.No. : U17CI035

Gender : Male

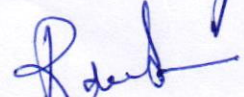
Department : Chemistry

Year : 2017

Contact No. : 8682025033

Email ID : rakesh0143@gmail.com

Course Applied For : Measurement of system analysis


Signature

Bharath Institute of Higher Education & Research
 School of Basic Science
 Students Registration List
 Value Added Course: Measurement system analysis

S.NO	REG.NO	NAME OF THE CANDIDATE	DEPARTMENT
1	U17CI001	R.FARZANA BEGUM	CHEMISTRY
2	U17CI002	A.DILSHATH BEGAM	CHEMISTRY
3	U17CI003	S.SATHIYA PRIYA	CHEMISTRY
4	U17CI004	K.ASHWIN	CHEMISTRY
5	U17CI005	A.RANJANI	CHEMISTRY
6	U17CI006	P.PREETHA	CHEMISTRY
7	U17CI007	A.DINAKARAN	CHEMISTRY
8	U17CI008	A.AISHWARYA	CHEMISTRY
9	U17CI009	P.ANTONY LEO SEBASTINE	CHEMISTRY
10	U17CI010	M.VIDYA	CHEMISTRY
11	U17CI011	B.LOGESHWARY	CHEMISTRY
12	U17CI013	R.SANDHIYA	CHEMISTRY
13	U17CI014	V.MOHAN RAJ	CHEMISTRY
14	U17CI015	R.SETHURAMAN	CHEMISTRY
15	U17CI016	S.YUKESH	CHEMISTRY
16	U17CI017	M.SARATHKUMAR	CHEMISTRY
17	U17CI018	K.SUMAIYA BANU	CHEMISTRY
18	U17CI019	D.MUKUNDA KUMAR	CHEMISTRY
19	U17CI020	D.GOWTHAM	CHEMISTRY
20	U17CI021	S.SUNDAR RAJ	CHEMISTRY
21	U17CI022	P.NAVEENKUMAR	CHEMISTRY
22	U17CI023	T.ROJA	CHEMISTRY
23	U17CI024	P.THAMILARASU	CHEMISTRY
24	U17CI025	M.SATHISH KUMAR	CHEMISTRY
25	U17CI026	K.DIVYA	CHEMISTRY
26	U17CI027	M.ANISHA	CHEMISTRY
27	U17CI028	N.SABITHA	CHEMISTRY
28	U17CI029	S.DEEPAK	CHEMISTRY
29	U17CI030	M.VALAIESWARI	CHEMISTRY
30	U17CI031	R.CHITRA	CHEMISTRY
31	U17CI032	N.ANISH	CHEMISTRY
32	U17CI033	J.KARTHIKEYAN	CHEMISTRY
33	U17CI034	C.RAJAGOPAL	CHEMISTRY
34	U17CI035	B.RAKESH	CHEMISTRY
35	U17CI036	K.VIJAYALAKSHMI	CHEMISTRY
36	U17CA001	P.BALAMURUGAN	BCA
37	U17CA017	PRABURAJ L	BCA
38	U17CA025	ISAC NEWTON M	BCA

39	U17CA031	POORNIMA G	BCA
40	U17CA041	SHALINI S	BCA
41	U17CA042	RAHUL S	BCA
42	U17CA060	DEENA S	BCA
43	U17CA063	ASWIN S	BCA
44	U17CA072	PRAVEEN M	BCA
45	U17CA073	RAKUL K	BCA



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Value Added Course

Measurement system analysis

Syllabus

- 1.Introduction of Measurement system analysis
- 2.Errors: Expected Uncertainty & Probability and Statistics
3. Lab Safety, Report Writing and Graphing
4. Instrument Characteristics and Zero Order Systems
5. Force and Strain Measurements
6. Temperature Measurements
- 7.Pressure Measurements
- 8.Flow Measurements
9. Rotational Frequency Measurements
- 10.Power Measurements
- 11.Drag Force
12. Measurement System Behavior: First Order Systems
13. Computerized Data Acquisition
14. Heat Transfer Basics
- 15.Dynamic Response of a Thermocouple
16. Measurement System Behavior: Second Order Systems
- 17.Analysis of A U-Tube Manometer