

SCHOOL OF BASIC SCIENCE

Date: 20.06.2019

CIRCULAR

Sub: Organising Value-added Course: Courses on Gem Polisher & Cleaner Training - Reg.

With reference to the above-mentioned subject, we bring it to your notice that School of Arts, Bharath Institute of Higher Education & Research is organising Value-added course "Courses on Gem Polisher & Cleaner Training". The syllabus and registration form are enclosed below. The candidates those who are interested to join must fill the registration form and submit to the Course Coordinator Dr.S.Anandhi, Department of Physics on or before 01.07.2019. The Registration form received after the mentioned date shall not be entertained under any circumstances.

Dean

Dean-Faculty of Arts & Science Bharath Institute of Higher Education & Reserv (Declared as Deemed to be University U/S 3 of UGC Act : Chennal-600 0/3. INDIA

Head of the Department

Durk



Encl: A copy of Syllabus & Registration form

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

SCHOOL OF BASIC SCIENCE

Value Added Course

Courses on Gem Polisher & Cleaner Training

Syllabus

Gemmology. Descriptions of gemstones, minerals and rocks. Definition of a gem. Natural gems (minerals, rocks, non-minerals, organic materials). Artificial stones (imitations, composites and synthetics). Formation of minerals, Deposits. Matter constituents (atoms, molecules, ions, etc.), Chemical composition of the minerals, Allochromatism and idiochromatism, Isomorphism and polymorphism.

Nature of crystals, Crystalline and amorphous materials, Polycrystalline materials, Crystal systems, Symmetry, Crystal habit, Twinning.Hardness and durability.Mohs' scale.Cleavage.Parting.Fracture.Specific gravity and its determination (hydrostatic and heavy liquids).Other properties (thermal, electrical, etc.).

Loupe 10x, binocular loupes, microscopes, balances, Leveridge gauge. Theory of gem cutting techniques, crystallography & applications in Gemology. Cutting and carving, Basic techniques, Different types and shapes of cut, Brilliant cut, engraving on stones, drilled stones. Polish and Symmetry with Practical experience.

Bharath Institute of Higher Education & Research School of Basics Science Lesson Plan

Value Added Course: Courses on Gem Polisher & Cleaner Training					
S.No Date Topic			Time	Hour	
			10.00AM -		
1	03.07.2019	Gemmology. Descriptions of gemstones, minerals	12.00 AM	2	
			10.00AM -		
2	06.07.2019	Definition of a gem. Natural gems (minerals, rock	12.00 AM	2	
			10.00AM -		
3	07.07.2019	Artificial stones (imitations, composites and synth	12.00 AM	2	
			10.00AM -		
4	13.07.2019	Matter constituents (atoms, molecules, ions, etc.),	12.00 AM	2	
		Chemical composition of the minerals,	10.00AM -		
5	14.07.2019	Allochromatism and idiochromatism,	12.00 AM	2	
		Chemical composition of the minerals,			
		Allochromatism and idiochromatism,	10.00AM -		
6	20.07.2019	Isomorphism and polymorphism.	12.00 AM	2	
			10.00AM -		
7	21.07.2019	Nature of crystals, Crystalline and amorphous mat	12.00 AM	2	
			10.00AM -		
8	27.07.2019	Polycrystalline materials, Crystal systems, Symme	12.00 AM	2	
			10.00AM -		
9	28.07.2019	Twinning.Hardness and durability. Mohs' scale. C	12.00 AM	2	
			10.00AM -		
10	03.08.2019	Specific gravity and its determination (hydrostatic	12.00 AM	2	
			10.00AM -		
11	04.08.2019	Specific gravity and its determination (hydrostatic	12.00 AM	2	
		Loupe 10x, binocular loupes, microscopes,	10.00AM -		
12	10.08.2019	balances, Leveridge gauge.	12.00 AM	2	
			10.00AM -		
13	11.08.2019	Theory of gem cutting techniques, crystallography	12.00 AM	2	
			10.00AM -		
14	17.08.2019	Cutting and carving, Basic techniques, Different ty	12.00 AM	2	
			10.00AM -		
15	18.08.2019	Polish and Symmetry with Practical experience.	12.00 AM	2	

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

Value Added Course: Courses on Gem Polisher & Cleaner Training Course Duration:30 Hrs

S.No	Date	Time	Hour
1	03.07.2019	10.00AM - 12.00 AM	2
2	06.07.2019	10.00AM - 12.00 AM	2
3	07.07.2019	10.00AM - 12.00 AM	2
4	13.07.2019	10.00AM - 12.00 AM	2
5	14.07.2019	10.00AM - 12.00 AM	2
	20.07.2019	10.00AM - 12.00 AM	2
6		10.00AM - 12.00 AM	2
7	21.07.2019	10.00AM - 12.00 AM	2
8	27.07.2019		2
9	28.07.2019	10.00AM - 12.00 AM	
10	03.08.2019	10.00AM - 12.00 AM	2
11	04.08.2019	10.00AM - 12.00 AM	2
12	10.08.2019	10.00AM - 12.00 AM	2
13	11.08.2019	10.00AM - 12.00 AM	2
14	17.08.2019	10.00AM - 12.00 AM	2
15	18.08.2019	10.00AM - 12.00 AM	2



SCHOOL OF Basic Science

Registration Form

Value Added Course: Courses on Gem Polisher & Cleaner Training

Date: 26-06-2019

Name

: REKHA D

Reg. No.

:U19MI002

Date of Birth

:12-04-2002

Gender

:FEMALE

Department

:MICROBIOLOGY

Year

:2019

Contact No.

:9944525215

Email ID

:rekhamicro@gmail.com

Course Applied for :Gem polisher and Clear Training

6.15-b-

Bharath Institute of Higher Education & Research School of Basic Science Students Registration List

Value Added Course: Courses on Gem Polisher & Cleaner Training

S.NO	REG.N0	NAME OF THE CANDIDATE	DEPARTMENT
1	U19PS001	RAJESH A	BSc-PHYSICS
2	U19PS002	NISHALI N R	BSc-PHYSICS
3	U19PS003	RAJA S	BSc-PHYSICS
4	U19PS004	ANANDU S	BSc-PHYSICS
5	U19PS005	SAJIYHA M	BSc-PHYSICS
6	U19PS006	KEERTHIKA P	BSc-PHYSICS
7	U19PS007	THARUNPRASATH P	BSc-PHYSICS
8	U19PS008	NISHANTHI R	BSc-PHYSICS
9	U19PS009	MADANKUMAR M	BSc-PHYSICS
10	U19PS010	ARAVIND A	BSc-PHYSICS
11	U19PS011	SHANMATHI M	BSc-PHYSICS
12	U19PS012	RAMNGA RAMANUJAM N	BSc-PHYSICS
13	U19PS013	KALAIYARASI R	BSc-PHYSICS
14	U19PS014	VIVEGANANDHAM M	BSc-PHYSICS
15	U19PS015	RAJESH M	BSc-PHYSICS
16	U19PS016	JOHN PERTER A	BSc-PHYSICS
17	U18MI002	REKHA D	BSc-MICRO
18	U18MI004	SHALINI A	BSc-MICRO
19	U18MI006	SANDHIYA A	BSc-MICRO
20	U18MI007	SAMSUNDER C P	BSc-MICRO
21	U18MI009	JEEVITHA M	BSc-MICRO
22	U18MI010	NIKITA SAHA	BSc-MICRO
23	U18MI013	MANIKANDAN M	BSc-MICRO
24	U18MI014	YUKESH R	BSc-MICRO
25	U19BS031	AJITHKUMAR S M	BSc-MICRO
26	U19BS032	KRISHNA G V	BSc-MICRO
27	U19BS033	AARTHI PRIYA M	BSc-MICRO
28	U19MI001	RAMYA V	BSc-MICRO
29	U19MI002	ESWARI S	BSc-MICRO
30	U19MI003	SWETHA M	BSc-MICRO
31	U19BS002	ANUSHA R	BSc- BIOTECH
32	U19BS027	JAYAPRADHA SHAMURA	BSc- BIOTECH
33	U19BS028	GAYATHRI R	BSc- BIOTECH
34	U19BS029	SHARUN A	BSc- BIOTECH
35	U19BS030	MAHENDRAN S	BSc- BIOTECH





SCHOOL OF Basic Science



Name of the course	Courses on Gem Polisher & Cleaner
	Training
Handled by	Dr. S.Anandhi,
	Asso. Prof,
	Department of Physics,
	School of Arts, BIHER.



SCHOOL OF Basic Science

Course Feedback Form

Value Added Course

Date:18.08.2019

Course Title: Courses on Gem Polisher & Cleaner Training

Name

:A RAJESH

Reg. No.

:U19PS001

Department

:PHYSICS

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

Edin

Signature



School of Basic Science

CERTIFICATE OF PARTICIPATION

This is to certify that

ANUSHA.R

has participated in the Courses on Gem Polisher & Cleaner Training, conducted by School of Basic Science, BIHER, from July 03, 2019 to August 18, 2019.

S. Avandha

Dr. S. Anandhi

Course Co-ordinator

Dr. E.Tirumal

Convenor

N Sept N

Dr. A. Muthukumaravel
Dean - Arts and Science