



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 SCIENCES

Date : 28.05.2018

CIRCULAR

Sub : Organising Value added Course: Short term course on Robotic Surgery - Reg.

With reference to the above mentioned subject, we bring it to your notice that School of Basic Sciences, Bharath Institute of Higher Education & Research is organising **Value added course "Short term course on Robotic Surgery"**. 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 Mrs. V. Jula, Department of Microbiology on or before 07.06.2018. 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-Faculty of Arts & Science
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Bharath Institute of Higher Education & Research
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)
Chennai-600 073. INDIA



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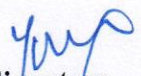
SCHOOL OF BASIC SCIENCES

Registration Form

Value Added Course

Date: 29.5.2018

Name : YUVASRI B
Reg. No. : U17M1044
Gender : Female
Department : Microbiology
Year : 2017-20
Contact No. : 73394 25930
Email ID : yuvasrimic@gmail.com
Course Applied for : Short term course on Robotic Surgery


Signature

Bharath Institute of Higher Education & Research
 School of Basic Sciences
 Students Registration List
 Value Added Course: Short term course on Robotic Surgery -

S.NO	REG.NO	NAME OF THE CANDIDATE	DEPARTMENT
1	U17MI007	DIVYASRI M	BSc-MICRO
2	U17MI043	SHIRISH KULKARNI	BSc-MICRO
3	U17MI044	YUVASRI B	BSc-MICRO
4	U17MI045	KALAIVANI M	BSc-MICRO
5	U17MI046	MUGILAN	BSc-MICRO
6	U17MI047	AJITH KUMAR	BSc-MICRO
7	U17MI048	INDIRANI	BSc-MICRO
8	U17MI049	JAYASREE	BSc-MICRO
9	U17MI050	NANCY CHRISTYA	BSc-MICRO
10	U17BS035	VASANTHA KUMAR K	BSc-BIOTECH
11	U17BS036	SWARNA R	BSc-BIOTECH
12	U17BS037	SANDHIYA T	BSc-BIOTECH
13	U17BS038	MEGALA P	BSc-BIOTECH
14	U17BS039	GAYATHRI R	BSc-BIOTECH
15	U17BS040	ARUN RAM N	BSc-BIOTECH
16	U17PS033	RAJALAKSHMI C	BSc-PHYSICS
17	U17PS034	SWARNA M	BSc-PHYSICS
18	U17PS035	KOWSALYA G	BSc-PHYSICS
19	U17PS036	NANDHINI M	BSc-PHYSICS
20	U17CI033	KARTHIKEYAN J	BSc-CHE
21	U17CI034	C RAJA GOPAL	BSc-CHE
22	U17CI035	RAKESH B	BSc-CHE
23	U17CI036	VIJYALAKSHMI K	BSc-CHE
24	U17MA038	GEETHA K	BSc-MATHS
25	U17MA039	NITHYA M	BSc-MATHS
26	U17MA040	PONMANASELVAN P	BSc-MATHS
27	U17MA041	PARASARAN K	BSc-MATHS
28	U17MA042	DHAVASREE B	BSc-MATHS
29	U17MA043	BHUVANESWARAN R	BSc-MATHS
30	U17MA044	ROLLET V	BSc-MATHS
31	U17SC055	YUVARAJ M	BSc-COMP
32	U17SC056	MADHIALAGAN S	BSc-COMP
33	U17SC057	VIGNESH K	BSc-COMP
34	U17SC058	MURALIDHARAN K	BSc-COMP
35	U17SC059	PRASANNA P	BSc-COMP
36	U17SC060	JAYARAJ A	BSc-COMP
37	U17SC061	MADHU MITHA B	BSc-COMP
38	U17SC062	PAUL GIFFSON J	BSc-COMP

39	U17SC063	REVATHY S	BSc-COMP
40	U17SC064	JOSHWA J	BSc-COMP



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Value Added Course

Short term course on Robotic Surgery -

Syllabus

Introduction of robotic surgery and History of robotic surgery. Different types of robotic surgery. Working principle - Robot - assisted operation theatre.

Classification of Robotic surgical system - Supervisory - controlled system - three steps - planning, registration, navigation. Telesurgical system - three types - DA VINCI, ZUES Robotic, AESOP Robotic surgical systems. Shared - Control Robotic System.

Software - Architecture - Linux 64-bit platform Software - Architecture - MySQL database, 3D model. Application of Robotic surgery - cardiac, gastrointestinal, gynaecology. Application of Robotic surgery - neurosurgery, paediatrics, radio surgery, urology.

Advantages of post-surgery and Advantages of In-surgery. Disadvantages of robotic-surgery. Future of Robotic surgery.

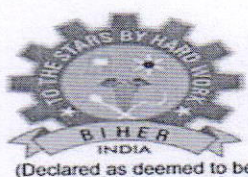
Bharath Institute of Higher Education & Research
School of Basic Sciences
Course TimeTable

Value Added Course: Short Term Course on Robotic Surgery - Course Duration:30 Hrs

S.No	Date	Time	Hour
1	11.06.2018	2 PM - 4 PM	2
2	17.06.2018	2 PM - 4 PM	2
3	23.06.2018	2 PM - 4 PM	2
4	24.06.2018	2 PM - 4 PM	2
5	30.06.2018	2 PM - 4 PM	2
6	01.07.2018	2 PM - 4 PM	2
7	07.07.2018	2 PM - 4 PM	2
8	08.07.2018	2 PM - 4 PM	2
9	15.07.2018	2 PM - 4 PM	2
10	21.07.2018	2 PM - 4 PM	2
11	22.07.2018	2 PM - 4 PM	2
12	28.07.2018	2 PM - 4 PM	2
13	29.07.2018	2 PM - 4 PM	2
14	04.08.2018	2 PM - 4 PM	2
15	05.08.2018	2 PM - 4 PM	2

Bharath Institute of Higher Education & Research
School of Basic Sciences
Lesson Plan

Value Added Course: Short term course on Robotic Surgery			Course Duration: 30 Hrs	
S.No	Date	Topic	Time	Hour
1	11.06.2018	Introduction of robotic surgery	2 PM - 4 PM	2
2	17.06.2018	History of robotic surgery	2 PM - 4 PM	2
3	23.06.2018	Different types of robotic surgery	2 PM - 4 PM	2
4	24.06.2018	Working principle-Robot-assisted operation theater	2 PM - 4 PM	2
5	30.06.2018	Classification of Robotic surgical system	2 PM - 4 PM	2
6	01.07.2018	Supervisory- controlled system - three steps- planning, registration,nav	2 PM - 4 PM	2
7	07.07.2018	Telesurgical system- three types-DA VINCI ,ZUES Robotic,AESOP F	2 PM - 4 PM	2
8	08.07.2018	Shared -Control Robotic System	2 PM - 4 PM	2
9	15.07.2018	Software -Architecture-Linux 64-bit platform	2 PM - 4 PM	2
10	21.07.2018	Software -Architecture-MySqlas database,3D model	2 PM - 4 PM	2
11	22.07.2018	Application of Robotic surgery-cardiac, gastrointestinal,gynecology	2 PM - 4 PM	2
12	28.07.2018	Application of Robotic surgery-neurosurgery,pediatrics,radio surgery,1	2 PM - 4 PM	2
13	29.07.2018	Advantages of post-surgery and Advantages of In-surgery	2 PM - 4 PM	2
14	04.08.2018	Disadvantages of robotic-surgery	2 PM - 4 PM	2
15	05.08.2018	Future of Robotic surgery	2 PM - 4 PM	2



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Course Feedback Form

Value Added Course

Date: 04.08.2018

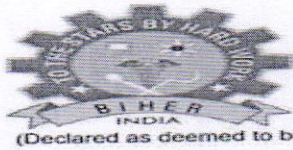
Course Title: Short term course on Robotic Surgery -

Name : SWARNA R
Reg. No. : U17BS036
Department : Biotechnology

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:	✓	2	3	4	5

Please give Suggestion for the improvement of the course :


Signature



Shree

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Name of the course	Short term course on Robotic Surgery
Handled by	Mrs. V. Jula Asst. Prof, Department of Microbiology School of Arts, BIHER.

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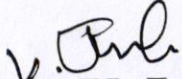
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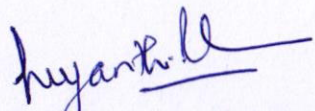
CERTIFICATE OF PARTICIPATION

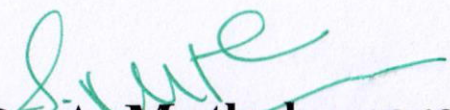
This is to certify that

DIVYASRI.M

has participated in the Short Term Course on Robotic Surgery, conducted by
School of Basic Sciences, BIHER, from June 11, 2018 to August 05, 2018.


Mrs. V. Jula
Course Co-ordinator


Dr. L. Jeyanthi Rebecca
Convenor


Dr. A. Muthukumaravel
Dean - Arts and Science