

From

Chennai

The Head

29-08-2019

Dept. of Biomedical Engineering

BIHER

To

The Dean

BIHER

Respected Sir

Sub: approval to start a value added course on **“RESIDENCY PROGRAM IN BINOCULAR VISION AND VISION THERAPY”** -reg

It has been planned by the Dept. of Biomedical Engineering to start a Value Added Course on **“RESIDENCY PROGRAM IN BINOCULAR VISION AND VISION THERAPY”** for the B-Tech Biomedical Engineering, Industrial Biotechnology and Genetic Engineering students from 16th September, 2019. The duration of the course is 30 hrs comprising of theory. I request you to kindly approve of the same.

Thanking you

Yours sincerely

A handwritten signature in blue ink, appearing to read 'Anand', is written in a cursive style.



BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

Date: 30-08-2019

SCHOOL OF BIOENGINEERING

CIRCULAR

Notification for Value added courses offered by the School of Bioengineering

The Department of Bio Medical Engineering, School of Bioengineering, is scheduled to offer a Value added Course on **RESIDENCY PROGRAM IN BINOCULAR VISION AND VISION THERAPY** from 16/09/2019 for a period of 3 weeks. Interested students can approach Dr. Vasukidevi R, Associate Professor and Course Coordinator, Department of Bio Medical Engineering for registration and for further details on or before 14th September 2019.

Eligibility-II, III and IV B-Tech IBT, GE and BME

Course Coordinator

HOD

Copy to:

Vice Chancellor

Pro Vice Chancellor

Additional Registrar

Deans

CoE

Heads of Departments

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

SCHOOL OF BIO-ENGINEERING

DEPARTMENT OF BIO MEDICAL ENGINEERING

**VALUE ADDED COURSE ON RESIDENCY PROGRAM IN BINOCULAR VISION AND
VISION THERAPY**

2019-2020

COURSE CO-ORDINATOR DETAILS

Faculty Name: Dr.Vasukidevi R,

Associate Professor,

Department of Bio Medical Engineering.

Email ID: vasukidevir.bme@bharathuniv.ac.in

Mobile number: 95660 75312.

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SCHOOL OF BIO-ENGINEERING
DEPARTMENT OF BIO MEDICAL ENGINEERING
VALUE ADDED COURSE SYLLABUS
2019-2020

Value added course code	Residency Program In Binocular Vision And Vision Therapy	L	T	P	C
	Total Contact Hours – 30	3	0	0	3
	Prerequisite – Human Anatomy and Physiology				

OBJECTIVES

- To review basic refraction techniques including over fogging procedures.
- To learn the basic Binocular Vision (BV) assessments and nuances in diagnosing the BV anomalies
- To plan for Vision Therapy protocols for the BV conditions.

MODULE 1. Strabismus:

Early Refractive Development- Visually Guided control of Refractive State: Animal Studies- Infant Accommodation and Convergence

MODULE 2. Amblyopia

Conjugate Eye Movements of Infants-Development of the Vestibuloocular and Optokinetic reflexes

MODULE 3. Eye movements:

Front-end Limitations to Infant Spatial vision: Examination of two analyses-Development of the Human Visual Field- Development of Scotopic Retinal Sensitivity-Infant Color vision- Orientation and Motion selective Mechanisms in Infants-Intrinsic Noise and Infant performance

MODULE 4. Sensory and Motor evaluation:

Development of interocular vision in Infants- Stereopsis in Infants and its developmental relation to visual acuity-Sensorimotor Adaptation and Development of the Horopter-Two stages in the development of Binocular Vision and Eye Alignment

MODULE 5. Diagnosis

TEXT/ REFERENCE BOOKS

1. Scheiman M, Wick B. Clinical Management of Binocular Vision – Heterophoric, Accommodative, and eye movement disorders, 2nd edition.
Philadelphia :Lippincott Williams & Wilkins, 2002.
2. Philadelphia :Lippincott Williams & Wilkins, 2002.
3. Press L J. Applied Concepts in Vision Therapy. St. Louis: Mosby, 1997.

SCHOOL OF BIO-ENGINEERING
DEPARTMENT OF BIO MEDICAL ENGINEERING
VALUE ADDED COURSE

COURSE ON RESIDENCY PROGRAM IN BINOCULAR VISION AND VISION THERAPY (2019-2020)

Session	Topic	Date	Duration (Hr)	Resource person
Session I	Strabismus	16.09.2019	4	Dr.R.Vasukidevi
Session II	Strabismus	17.09.2019	4	Dr.R.Vasukidevi
Session III	Amblyopia	17.09.2019	3	Ms.S.Geetha
Session IV	Amblyopia	23.09.2019	4	Dr.Emerson Solomon
Session V	Eye movements	24.09.2019	4	Dr.R.Vasukidevi
Session VI	Accommodation & Vergence interactions	24.09.2019	3	Dr.R.Vasukidevi
Session VII	Sensory and Motor evaluation	30.9.2019	4	Dr.Emerson Solomon
Session VIII	Diagnosis of accommodative, Vergence and oculomotor anomalies	01.10.2019	4	Dr.Emerson Solomon
Session IX	Diagnosis of accommodative, Vergence and oculomotor anomalies	01.10.2019	3	Ms.S.Geetha

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH**SCHOOL OF BIO-ENGINEERING****DEPARTMENT OF BIO MEDICAL ENGINEERING****VALUE ADDED COURSE TIMETABLE****2019-2020**

Days / Period	I 9.00 – 9.50	II 9.50 – 10.40	III 10.50 – 11.40	IV 11.40 – 12.30	12.30 – 1.30	V 1.30 – 2.10	VI 2.10 – 2.50	VII 2.50 – 3.30
MON	RBVT				LUNCH BREAK			
TUE	RBVT					RBVT		
WED								
THU								
FRI								
SAT								

SUBJECT CODE	SUBJECT NAME	STAFF
Theory		
Value added course	Residency Program In Binocular Vision And Vision Therapy (RBVT)	Dr.Vasukidevi R
	Room No	SK504

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SCHOOL OF BIO-ENGINEERING
DEPARTMENT OF BIO MEDICAL ENGINEERING
VALUE ADDED COURSE
COURSE ON RESIDENCY PROGRAM IN BINOCULAR VISION AND VISION THERAPY (2019-2020)

Students Name List

S.NO	REG.NO	NAME	SEM/ YEAR	DEPART MENT
1.	U17BM026	Bharkavi M S	V/III	BME
2.	U17BM028	Sheeba Alexia B	V/III	BME
3.	U17BM029	Jeeva G	V/III	BME
4.	U17BM030	Swedha S	V/III	BME
5.	U17BM031	Loka Ranjani E	V/III	BME
6.	U17BM032	Pooja B	V/III	BME
7.	U17BM033	Varsha M	V/III	BME
8.	U17BM034	Avula Arun Kumar	V/III	BME
9.	U17BM036	Lokesh M	V/III	BME
10.	U17BM037	Medivemulla Chenna Reddy	V/III	BME
11.	U17BM106	RAMANAN R	V/III	BME
12.	U17BM107	TAPALSHAIK FHAZUL RAHMA	V/III	BME
13.	U17BM109	CHEEKATIPALLI LEENA	V/III	BME
14.	U17BM110	BUCHAGARI KAVYA	V/III	BME
15.	U17BM113	G VEENA	V/III	IBT
16.	U17BT022	SOLENSKA MANOJ KUMAR	V/III	IBT
17.	U17BT023	KANCHA SIDHARTHA KUMAR	V/III	IBT
18.	U17BT024	GATTUPALLI VENKATA CHAI	V/III	IBT
19.	U17BT026	MADHAN KUMAR S	V/III	IBT

20.	U17BT027	KATA VEERA SUDARSAN	V/III	IBT
21.	U17BT029	A S MOHAN KRISHNA	V/III	IBT
22.	U17BT030	MALLIGA V	V/III	IBT
23.	U17BR009	HEMAMBUJAM D	V/III	BR
24.	U17BR010	MOHANED SHAIBI K M	V/III	BR
25.	U17BR011	VIJAYASRI T	V/III	BR
26.	U17BR012	EVANGELINE SELES J L	V/III	BR
27.	U17BR013	SAHANA SHREE S	V/III	BR
28.	U17BR014	JEEVANANTHAM N	V/III	BR
29.	U17BR015	THAMARAI ARASI R	V/III	BR
30.	U17BR016	NAVEEN KUMAR K	V/III	BR

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S.NO	REG.NO	NAME	RESULT ANALYSIS
1.	U17BM026	Bharkavi M S	A
2.	U17BM028	Sheeba Alexia B	A
3.	U17BM029	Jeeva G	S
4.	U17BM030	Swedha S	A
5.	U17BM031	Loka Ranjani E	S
6.	U17BM032	Pooja B	S
7.	U17BM033	Varsha M	A
8.	U17BM034	Avula Arun Kumar	S
9.	U17BM036	Lokesh M	S
10.	U17BM037	Medivemulla Chenna Reddy	S
11.	U17BM106	RAMANAN R	S
12.	U17BM107	TAPALSHAIK FHAZUL RAHMA	S
13.	U17BM109	CHEEKATIPALLI LEENA	A
14.	U17BM110	BUCHAGARI KAVYA	S
15.	U17BM113	G VEENA	A
16.	U17BT022	SOLENKA MANOJ KUMAR	A
17.	U17BT023	KANCHA SIDHARTHA KUMAR	S
18.	U17BT024	GATTUPALLI VENKATA CHAI	A
19.	U17BT026	MADHAN KUMAR S	S

20.	U17BT027	KATA VEERA SUDARSAN	S
21.	U17BT029	A S MOHAN KRISHNA	A
22.	U17BT030	MALLIGA V	S
23.	U17BR009	HEMAMBUJAM D	A
24.	U17BR010	MOHANED SHAIBI K M	S
25.	U17BR011	VIJAYASRI T	A
26.	U17BR012	EVANGELINE SELES J L	S
27.	U17BR013	SAHANA SHREE S	A
28.	U17BR014	JEEVANANTHAM N	S
29.	U17BR015	THAMARAI ARASI R	S
30.	U17BR016	NAVEEN KUMAR K	S

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Students Name List

S.NO	REG.NO	NAME	RESULT ANALYSIS
1.	U17BM026	Bharkavi M S	4.5
2.	U17BM028	Sheeba Alexia B	4.8
3.	U17BM029	Jeeva G	4.3
4.	U17BM030	Swedha S	4
5.	U17BM031	Loka Ranjani E	4.2
6.	U17BM032	Pooja B	4.5
7.	U17BM033	Varsha M	4.6
8.	U17BM034	Avula Arun Kumar	4.8
9.	U17BM036	Lokesh M	4.9
10.	U17BM037	Medivemulla Chenna Reddy	4.3
11.	U17BM106	RAMANAN R	4.2
12.	U17BM107	TAPALSHAIK FHAZUL RAHMA	4.5
13.	U17BM109	CHEEKATIPALLI LEENA	4.1
14.	U17BM110	BUCHAGARI KAVYA	4.9
15.	U17BM113	G VEENA	4.8
16.	U17BT022	SOLENKA MANOJ KUMAR	4.7
17.	U17BT023	KANCHA SIDHARTHA KUMAR	4.6
18.	U17BT024	GATTUPALLI VENKATA CHAI	4.5
19.	U17BT026	MADHAN KUMAR S	4.6

20.	U17BT027	KATA VEERA SUDARSAN	4.5
21.	U17BT029	A S MOHAN KRISHNA	4
22.	U17BT030	MALLIGA V	4.1
23.	U17BR009	HEMAMBUJAM D	4.2
24.	U17BR010	MOHANED SHAIBI K M	4.3
25.	U17BR011	VIJAYASRI T	4
26.	U17BR012	EVANGELINE SELES J L	4.1
27.	U17BR013	SAHANA SHREE S	4.3
28.	U17BR014	JEEVANANTHAM N	4.2
29.	U17BR015	THAMARAI ARASI R	4.1
30.	U17BR016	NAVEEN KUMAR K	4.8

COURSE ON RESIDENCY PROGRAM IN BINOCULAR VISION AND VISION THERAPY -24.9.2019





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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as DEEMED-TO-BE-UNIVERSITY u/s 3 of the UGC Act, 1956)



SCHOOL OF BIOENGINEERING
VALUE ADDED COURSE ON RESIDENCY PROGRAM IN BINOCULAR VISION
AND VISION THERAPY

Certificate

This is to certify that Mr /Ms **Ramanan R** has attended three weeks value added course on **RESIDENCY PROGRAM IN BINOCULAR VISION AND VISION THERAPY** conducted by Department of Biomedical Engineering at Bharath Institute of Higher Education and Research, Chennai (TN), India during 16th Sept -01st Oct 2019.


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