

PRATHYUSHA ENGINEERING COLLEGE

REQUEST FOR APPROVAL FOR CONDUCT OF ADD-ON CERTIFICATE COURSES

Date: 18.02.2019

From

The Head of the Department,
Department of Biotechnology,
Prathyusha Engineering College,
Thiruvallur - 602025

To

The Principal,
Prathyusha Engineering College,
Thiruvallur - 602025.

Respected Sir,

Sub: Request for conduct of Add-on Certificate Courses. See

With reference to the suggestions provided by the Academic Council and the Academic

Advisory Committee, it is proposed to conduct the following add-on/certificate courses for the academic year 2018-2019.

S.NO	TYPE OF THE COURSE	Name of the course	Beneficiaries	Semester to be conducted	Venue of conduct	Duration (Hrs)
1	ADD-ON COURSE	APPLICATION OF BIOTECHNICAL TOOLS LEVEL-III	I, II, IV YEAR	EVEN	BIOINFO LAB	50HRS

Regards

Head of the Department

P. S. Murthy
D. P. DASARATHAN M.A. M.B.A. B.B.
Head, Department of Biotechnology
Prathyusha Engineering College
Thiruvallur-602025, Tamilnadu, INDIA

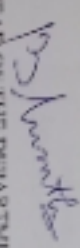
Approved/Not Approved

Principal
PRINCIPAL

PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF BIOTECHNOLOGY
BIOTECH-CLUB
CIRCULAR

The Department of biotechnology has scheduled the Add on Course titled "Application of bioinformatics tools level-III" through Bioitech Club for the students studying in II, III and IV years of study. The lists of interested students are informed to avail their views on or before 8.12.2019 to the course Coordinator .

S.NO	NAME OF THE ADD ON COURSE	PROGRAMME CO-ORDINATOR	DURATION	VENUE
1	APPLICATION OF BIOTECHNICS TOOLS- LEVEL III	Dr A.Praveena	36HRS	Bioinformatics Laboratory


HEAD OF THE DEPARTMENT
Dr.P.DHAKSHARATHI B.S., B.Ed., Ph.D.,
Head, Department of Biotechnology
Prathyusha Engineering College
Tumkur-562025, Karnataka, INDIA

- Copy To:
1. All Department faculty
 2. Programme coordinators
 4. To be read in All classrooms
 5. Department Notice Board



PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF BIOTECHNOLOGY

ADD-ON COURSE SCHEDULE

ACADEMIC YEAR: 2019-20

COURSE NAME: APPLICATION OF BIOINFORMATICS TOOLS LEVEL:III

DURATION: 50 HRS

SESSION	TIMING	CONTENT	RESOURCE PERSON	DESIGNATION / ORGANISATION
DAY 1 - 3-5-2019				
1	3-5PM	Introduction to SAS programming	Mr. Abash Kapoor	Business intelligence Associates, Faridkot
DAY 2 - 12.0.2019				
2	3-5PM	Clinical research in bioinformatics	Ms. Annie Jeremiah	Clinical process associates, Quintiles India Pvt.Ltd, Bangalore.
DAY 3 - 14.09.2019				
3	3-5PM	STRUCTURAL BIOINFORMATICS	Dr. A. Pravenu,	PEC
DAY 4 - 21.09.2019				
4	3-5 PM	PROTEIN SECONDARY AND TERTIARY STRUCTURE PREDICTION	Dr. A. Pravenu,	PEC
DAY 5 - 23.09.2019				
5	3-5 PM	HEMOLOGY	Dr. A. Pravenu,	PEC

MODELING				
DAY 6- 25-9-2019				
6	3-5 PM	COMPUTER AIDED DRUG DESIGNING-I	Dr. A. Praveena,	PEC
DAY 7- 1-10-2019				
7	3-5 PM	LEAD IDENTIFIATION	Dr. A. Praveena,	PEC
DAY 8- 5-10-2019				
8	3-5 PM	RECEPTOR MODELING	Dr. A. Praveena,	PEC
DAY 9- 8-10-2019				
9	3-5 PM	DOCKING	Dr. A. Praveena,	PEC
DAY 10- 21-1-2019				
10	3-5 PM	COMPUTER AIDED DRUG DESIGNING-II	Dr. A. Praveena,	PEC
DAY 11- 22-1-2019				
11	3-5 PM	QSAR	Dr. A. Praveena,	PEC
DAY 12- 23-1-2019				
12	3-5 PM	ADMET ANALYSIS	Dr. A. Praveena,	PEC

P. Shanthi
 Dr.P.DHASARATHAN M.Sc, M.Tech, Ph.D.
 Head, Department of Biotechnology
 Prathyusha Engineering College
 Tiruvallur-602025, Tamilnadu

Prathyusha educational trust promoted by Prathyusha group of companies, who are into shipping, logistics, warehousing, power, aqua and construction, filters, mining and real estate. The college is situated at Aranyoikuppam along Poonamalle - Avullur high road, PEC, a Telugu minority institution is affiliated to Anna University, Chennai approved by AICTE. PEC is accredited by NBA & "A" Grade and stepping into a glorious 19th year meaningful educational service. PEC offers undergraduate programme in B.E., (ECE, EEE, CSE, Civil Mech.,) and B. Tech (Biotech and IT) and 4 graduate programme (including CSE, communication systems, Structural Engineering and technology). PEC aesthetically designed campus is spread over 60 acres and has about 2,50,000 sq.ft. campus area. Excellent infrastructure facilities, well maintained eco-friendly campus, digital class rooms, hostels of art laboratories, modern library, separate hostel for boys and girls and students' center with scenic ambience are just a few of the many sterling features of that go into making PEC a front runner in technical education.

The Department
 The department of Biotechnology was started in the academic year 2001-2002 and offers B. Tech (Biotechnology) programme. The department is accredited by NBA. The department has well-furnished state-of-the-art laboratories like Biochemistry lab, Genetic Engineering lab, Bioprocess lab and Chemical Engineering lab. The department has 9 faculties of which 5 are Ph.Ds. and 1 is pursuing Ph.D. The department is a front runner in research and development activities and organizing seminars / conferences / symposia.

Objective:
 The main objective of the course is to make students familiar with the tools and techniques procured in Bioinformatics for the design of modern drugs.

Club incharges
Dr.M.Thenmozhi
Dr.A.Praveena

ADD ON COURSE
ON
APPLICATION OF
BIOINFORMATICS TO

COURSE MODULE -LEVEL-3

- 1.Structural Bioinformatics**
- Protein secondary and tertiary structure prediction
 - Homology modeling
- 2.Computer aided drug designing-I**
- Lead identification
 - Receptor modeling
 - Docking
- 3.Computer aided drug designing - II**
- QSAR
 - ADMET analysis

Organized by



ESTD. 2001

Bioinfo Technical Club
Department of Biotechnology
Prathyusha Engineering College
(2019-20)- Level -3 (30 HR)



Course Incharge:
Dr.A.Praveena



PRATHYUSHA ENGINEERING COLLEGE

Approved by AICTE, Affiliated to Anna University, MBA & UAC accredited.
Program office - Tiruvallur High road, Chennai-602025

ESTD 2001

DEPARTMENT OF BIOTECHNOLOGY COURSE CERTIFICATE

This is to certify that

Mr./Ms./Dr

..... of

..... has successfully

completed the course on APPLICATION OF BIOINFORMATICS TOOLS organized by
bio info Technical Club, Department of Biotechnology, Prathyusha Engineering College
held during 2019-20 (30 HRS)

CO-ORDINATOR

HOD - BIOTECH

PRINCIPAL



PRATHYUSHA ENGINEERING COLLEGE

LIST OF STUDENTS INTERESTED & ENROLLED

ACADEMIC YEAR : 2019-20

FACULTY COORDINATOR : Dr.A.Praveena

COURSE NAME: Applications of bioinformatics tools- level III

S.NO	NAME	DEPT	YEAR	SIGNATURE
1	ABIRAMI S	BIOTECH	IV	<i>Abirami S</i>
2	ANUSUYA M	BIOTECH	IV	<i>M. Anusuya</i>
3	APARNA S	BIOTECH	IV	<i>S. Aparna</i>
4	BANU PRIYA D	BIOTECH	IV	<i>Banu Priya D</i>
5	CHARUMATHI S	BIOTECH	IV	<i>Charumathi S</i>
6	DEVI SUBHA SREE S	BIOTECH	IV	<i>Devi Subha Sree S</i>
7	DHARSHINI RAVI R	BIOTECH	IV	<i>Dharshini Ravi R</i>
8	GAYATHRI K	BIOTECH	IV	<i>Gayathri K</i>
9	GAYATHRI S	BIOTECH	IV	<i>Gayathri S</i>
10	GENESHA VK	BIOTECH	IV	<i>V.K. Genesha</i>
11	HEMAMALINI S	BIOTECH	IV	<i>Hemamalini S</i>
12	HOOREEN D	BIOTECH	IV	<i>D. Hooreen</i>
13	JERIN JOSHNA J	BIOTECH	IV	<i>J. Jerin Joshna J</i>

14	KEERTHANA S	BIOTECH	IV	S. Keethana
15	MANORITHA G	BIOTECH	IV	Manoritha G.
16	NAGA VASUDHA R	BIOTECH	IV	R. NagaVandha
17	NANDHINI M	BIOTECH	IV	Nandhini M.
18	NAVARAJ G	BIOTECH	IV	Navaraj
19	NITHICA S	BIOTECH	IV	Nithica.
20	PADMANABHAN P S	BIOTECH	IV	Padman
21	PAVITHRA Y	BIOTECH	IV	Y. Pavithra
22	PRATHINISHA PRABHAKAR	BIOTECH	IV	Prathinisha
23	PRAVEEN KM	BIOTECH	IV	Praveen
24	PRIYADHARSHINI J	BIOTECH	IV	Priyadharshini
25	RAGHUNATH M	BIOTECH	IV	M. Raghunath
26	SHRINIDHI S	BIOTECH	IV	Shrinidhi
27	SINDYA T	BIOTECH	IV	Sindya T
28	SOWMIYA V	BIOTECH	IV	V. Sowmya
29	SUBASHINI S	BIOTECH	IV	S. Subashini
30	SUGANYA S	BIOTECH	IV	S. Suganya
31	YUKTHA SHREENIVASAN S	BIOTECH	IV	Yuktha S. Shreenivasan
32	ASWINI P.R	BIOTECH	IV	Aswini

