

PRATHYUSHA ENGINEERING COLLEGE

REQUEST FOR APPROVAL FOR CONDUCT OF ADD-ON/ CERTIFICATE COURSES

Date: 25.9.2017

From

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

To

The Principal
Prathyusha Engineering College,
Thiruvallur - 602025

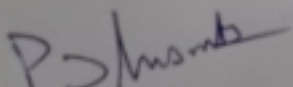
Respected Sir,

Sub: Request for conduct of Add-on /Certificate Courses- Reg

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 2017-2018.

S.NO	TYPE OF THE COURSE	Name of the Add on Course	Beneficiaries	Semester to be conducted	Venue of conduct	Duration (Hrs)
1	ADD-ON COURSE	APPLICATION OF BIOINFORMATICS TOOLS-LEVEL-I	II YEAR	EVEN	BIOINFO LAB	30HRS

Regards


Head of the Department

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

Approved/Not Approved


PRINCIPAL

PRATHYUSHA ENGINEERING COLLEGE

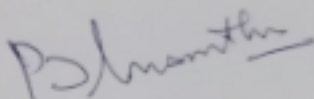
DEPARTMENT OF BIOTECHNOLOGY

BIOINFOTECH-CLUB

CIRCULAR

The Department of biotechnology has scheduled the Add on Course titled "Application of bioinformatics tools level-I" through Bioinfotech Club for the students studying in II, III and IV years of study. The lists of interested students are informed to enroll themselves on or before 8.12.2017 to the course Coordinator .

S.NO	NAME OF THE ADD ON COURSE	PROGRAMME CO-ORDINATOR	DURATION	VENUE
1	APPLICATION OF BIOINFORMATICS TOOLS- LEVEL I	Dr.A.Praveena	30 HRS	Bioinformatics laboratory


HEAD OF THE DEPARTMENT

Dr.P.DHASARATHAN MSc, M.Phil, Ph.D.
Head, Department of Biotechnology
Prathyusha Engineering College
Tiruvallur-602025, Tamilnadu, INDIA

Copy To:

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



ESTD. 2001

PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF BIOTECHNOLOGY

ADD-ON COURSE SCHEDULE

ACADEMIC YEAR: 2017-18

COURSE NAME: APPLICATION OF BIOINFORMATICS TOOLS LEVEL-I

DURATION: 30 HRS

SESSION	TIMING	CONTENT	RESOURCE PERSON	DESIGNATION /ORGANISATION
DAY 1- 5-8-2017				
1	3-5 PM	Introduction to R-tools training	Mr.Mohan J.Omana	Associate professor, Dept of IT/ Prathyusha Engineering college
DAY 2- 11-8-2017				
2	3-5 PM	Bioinformatics and medical research	Dr.Umashankar	Principle scientist, SankraNethralaya
DAY 3- 12-8-2017				
3	3-5 PM	Application of big data analytics for bioinformatics using applied statistical tools	Mr.K.S.Abbirame,	Department of biomedical Engineering , Karpagavinaya college of Engineering and technology
DAY 4- 6-9-2017				
4	3-5 PM	R-tools Applications in bioinformatics and Biological science	Ms.Rajalakshmi	IV year ,Department of biotechnology,PI
DAY 5- 11-9-2017				
5	3-5 PM	Molecular docking in drug discovery process	Dr.A.Praveena	Associate professor/

				Prathyusha Engineering college
DAY 6- 11-1-2018				
6	3-5 PM	Sequence analysis and phylogenetic construction	Dr.A.Praveena	Associate professor/ Prathyusha Engineering college
DAY-7 20-1-2018				
7	10-12AM	Drug discovery tools in bioinformatics	DR.Savithrisivakumar	Aaranya bioscience Pvt Ltd, Chennai
DAY-8 22-1-2018				
8	3-5PM	Introduction to bioinformatics	Dr.A.Praveena	Associate professor/ Prathyusha Engineering college
DAY-9 23-1-2018				
9	3-5PM	Overview of bioinformatics	Dr.A.Praveena	Associate professor/ Prathyusha Engineering college
DAY-10 24-1-2018				
10	3-5PM	Biological database	Dr.A.Praveena	Associate professor/ Prathyusha Engineering college
DAY-11 25-1-2018				
11	3-5PM	Sequence analysis	Dr.A.Praveena	Associate professor/ Prathyusha Engineering college
DAY-12 29-1-2018				
12	3-5PM	Pair sequence alignment	Dr.A.Praveena	Associate

				professor/ Prathyusha Engineering college
DAY-13 2-2-2018				
13	3-5PM	Basic tools in pair sequence alignment	Dr.A.Praveena	Associate professor/ Prathyusha Engineering college
DAY-14 5-2-2018				
14	3-5PM	Database similarity search tools- BLASTA	Dr.A.Praveena	Associate professor/ Prathyusha Engineering college
DAY-15 8-2-2018				
15	3-5PM	Database similarity search tools-FASTA	Dr.A.Praveena	Associate professor/ Prathyusha Engineering college

P. Dhasarathan

P.DHASARATHAN B.Sc. B.Ed. M.D.
Head, Department of Biotechnology
Prathyusha Engineering College
Tiruvallur-602025, Tamilnadu, INDIA

Prathyusha Engineering College is established by Prathyusha Educational Trust promoted by Prathyusha Group of Companies, who are into shipping, logistics, real estate, power, aqua and construction, etc. The college is situated at Aranyajullupam along Panamalle - Thiruvananthapuram road. The college is affiliated to Anna University, Chennai.

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Club incharges
Dr.M.Themmozhi
Dr.A.Praveena

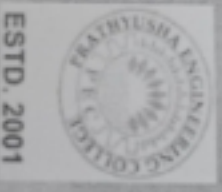
COURSE MODULE - LEVEL-1

1. Introduction to Bioinformatics
 - Overview of Bioinformatics
 - Importance of Bioinformatics
2. Biological Databases
 - Primary databases
 - Secondary databases
 - Sequence databases
 - Structure database
3. Sequence Analysis - I
 - Pairwise Sequence Alignment
 - Basic tools in pairwise sequence alignment
 - Database similarity search tools - BLAST, FASTA

Course Incharge:
Ms.D. Joyce Hollen Satya

ADD ON COURSE
ON
APPLICATION OF
BIOINFORMATICS TOOL

Organized by



Bioinfo Technical Club
Department of Biotechnology
Prathyusha Engineering College
(2017-18)- Level -1 (30 HRS)





PRATHYUSHA ENGINEERING COLLEGE

Approved by AICTE, Affiliated to Anna University, NBA & NAAC accredited.
Postgraduate - Tirupulur High road, Chennai - 602025

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 2017-18 (30 HRS)

CO-ORDINATOR

HOD - BIOTECH

PRINCIPAL



ESTD. 2001 **PRATHYUSHA ENGINEERING COLLEGE**

LIST OF STUDENTS INTERESTED & ENROLLED

ACADEMIC YEAR : 2017-18

FACULTY COORDINATOR : D.JOYCE HELLEN SATHYA

COURSE NAME: Applications of bioinformatics tools- level I

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

14	KEERTHANA S	BIOTECH	III	S. Keerthna
15	MANORITHA G	BIOTECH	II	Manoritha. G.
16	NAGA VASUDHA R	BIOTECH	III	R. Nagavashini
17	NANDHINI M	BIOTECH	II	Nandu.
18	NAVARAJ G	BIOTECH	II	Navraj
19	NITHICA S	BIOTECH	II	Saritha
20	PADMANABHAN P S	BIOTECH	II	Padmanabhan
21	PAVITHRA Y	BIOTECH	II	Y. Parigraha
22	PRATHINISHA PRABHAKAR	BIOTECH	II	Prathinisha
23	PRAVEEN KM	BIOTECH	II	Praveen.
24	PRIYADHARSHINI J	BIOTECH	II	Prudh
25	RAGHUNATH M	BIOTECH	III	M. Raghunath
26	SHRINIDHI S	BIOTECH	II	Shrinidhi
27	SINDYA T	BIOTECH	II	Sindhya
28	SOWMIYA V	BIOTECH	II	V. Sowmya
29	SUBASHINI S	BIOTECH	II	S. Subashini
30	SUGANYA S	BIOTECH	II	S. Suganya
31	YUKTHA SHREENIVASAN S	BIOTECH	II	Yuktha S. Shreenivasan
32	ASWINI P.R	BIOTECH	II	Aswini

