



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.

Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

REF.NO:SSIP/ REQ/2022/005

Date: 24/08/2022

From

Department of Pharmaceutical Analysis,
SS institute of pharmacy,
Sankari, Salem (DIST) - 637301.

To

The principal,
SS institute of pharmacy,
Sankari, Salem (DIST) – 637301.

Subject: Letter for requesting permission to conduct **ADD ON COURSE** -Reg.

Respected sir,

We are requesting you to grand permission to conduct add-on course in the seminar hall on **02/09/2022 to 26/09/2022**. We wish to conduct add on course on the title “**A Basic Course In Machine Learning**”. This add-on course program would be a great opportunity for students to learn and that would help to shape the students.

Thanking you,

Yours truly,


PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301

JOTHIMANIVANNAN
CHENNAKESAVALU
your signing location here
2024.10.05 15:13:14+05'30'

NH-544, Kuppanur (Po), Sankari (Tk), Salem(Dt) – 637301, Tamilnadu, India

Phone : 04285 241080 | E-mail : ssip1718@gmail.com | Website : www.ssip.edu.in



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SYLLABUS

A BASIC COURSE IN MACHINE LEARNING

Sl. No.	Topic	Date
1	Foundations of Machine Learning - Introduction to Machine Learning: History, applications, and basic concepts. - Supervised Learning: Classification, regression, and algorithms like Decision Trees, SVMs, and k-NN. - Unsupervised Learning: Clustering, dimensionality reduction, and algorithms like k-Means, PCA, and hierarchical clustering	2/9/2022- 5/9/2022
2	Neural Networks and Deep Learning - Introduction to Neural Networks: Perceptron, multi-layer perceptron (MLPs), and activation functions. - Deep Learning: Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs), and applications.	6/9/2022- 12/9/2022
3	Model Selection, Evaluation, and Optimization - Model Selection and Evaluation: Cross-validation, bias-variance tradeoff, and performance metrics. - Ensemble Methods: Bagging, boosting, and stacking techniques for improving model performance	13/9/2022- 17/9/2022
4	Data Preparation and Feature Engineering - Data Preprocessing: Data cleaning, handling missing values, normalization, and standardization. - Feature Engineering: Feature selection, extraction, and creation to enhance model performance	19/9/2022- 20/9/2022
5	Tools, Libraries, and Advanced Topics - Machine Learning Tools and Libraries: Overview of Python libraries like scikit-learn, TensorFlow, and PyTorch. - Specialized Machine Learning Topics: An introduction to reinforcement learning	22/9/2022- 26/9/2022

RESOURCE PERSON: JOTHIMANIVANNAN CHENNAIKESAVALU
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TOTAL HOURS: 36Hrs



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**SS INSTITUTE OF
PHARMACY
SANKARI**

**DEPARTMENT OF
PHARMACEUTICAL
ANALYSIS**



COURSE TITLE

A BASIC COURSE IN MACHINE LEARNING

Resource Person

Vanitha.M

M.PHARM

Assistant Professor

Topics

1. Supervised Learning
2. Unsupervised Learning
3. Neural Networks and Deep Learning
4. Model Evaluation and Validation
5. Feature Engineering and Data Preprocessing

PHONE: 9443026046

E-MAIL: ssip1718@gmail.com

WEBSITE: www.ssip.edu.in

VENUE: SSIP SEMINAR HALL

DATE: 02/09/2022-26/09/2022

TIME: 10:00AM-01:00PM

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KUPPANUR
SALEM 637301

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ADD ON / CERTIFICATE VALUE ADDED COURSES ACADEMIC YEAR 2022-2023

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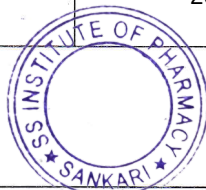
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ACADAMIC YEAR 2022-2023

S.NO	NAME OF ADD ON CERTIFICATES PROGRAMS	COURSE CODE	NO OF STUDEN ENROLLED	TYPE OF ADD ON CERTIFICATE PROGRAMS
1.	Advanced Thermodynamics And Combustion	22ATC01	59	Self-framed course
2.	Applied Computational Fluid Dynamics.	22ACFD02	56	Self-framed course
3.	Advanced Research Techniques in Homeopathic System of Medicine.	22ARTHSM03	30	Self-framed course
4.	An Introduction to Indian Literacy Theory.	22IILT04	29	Self-framed course
5.	A Basic Course in Machine Learning.	22BCML05	55	Self-framed course
6.	Adolescent Nutrition.	22AN06	57	Self-framed course
7.	Analytical Techniques in Biochemistry.	22ATB07	59	Self-framed course
8.	Artificial Intelligence Using Prolog Programming.	22AIUPP08	58	Self-framed course
9.	Mobile Health Application in Pharmacy.	22MHAP09	59	Self-framed course

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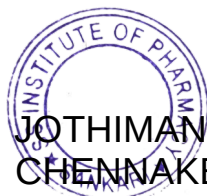
CIRCULAR

This is to inform that will B.PHARM students have the schedule of following value - added course to be conducted by our SS Institute of Pharmacy and it as mentioned below.

COURSE NAME	SCHEDULE	DURATION	VENUE	RESOURCE PERSON
A BASIC COURSE IN MACHINE LEARNING	02/09/2022 to 26/09/2022	36 HOURS	SEMINAR HALL	M.VANITHA

All the above-mentioned students must enroll and actively participate in the course without fail.

Note: Certificates will be issued for the eligible students after completion of the course and examination.



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ADD ON COURSE – ENROLLMENT LIST

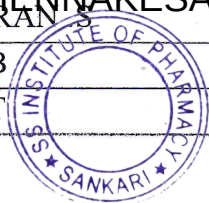
NAME OF ADD ON COURSE : A BASIC COURSE IN MACHINE LEARNING

COURSE INSTRUCTORS : VANITHA.M

YEAR OFFERED : 6th SEM B.PHARM

COURSE DURATION : 36 hrs

S.NO	NAME OF THE STUDENT	REGISTER NO	COURSE
1.	ANUSUYA .N	561997202	3 rd B.PHARM
2.	ARTHI .A	561997203	3 rd B.PHARM
3.	ARUN .S	561997204	3 rd B.PHARM
4.	ARUN KUMAR .D	561997205	3 rd B.PHARM
5.	ARUN KUMAR .K	561997206	3 rd B.PHARM
6.	AZHAGIRI .T.K	561997207	3 rd B.PHARM
7.	DEEPASREE .M	561997208	3 rd B.PHARM
8.	DHANASEKARAN .A	561997209	3 rd B.PHARM
9.	DHARUN .A	561997210	3 rd B.PHARM
10.	DINESH .T	561997212	3 rd B.PHARM
11.	ELAVARASAN .E	561997213	3 rd B.PHARM
12.	GOKULPRASATH .M	561997214	3 rd B.PHARM
13.	GOKULNATH .M	561997215	3 rd B.PHARM
14.	HEMAVATHI .D	561997216	3 rd B.PHARM
15.	KAMALESH .S	561997217	3 rd B.PHARM
16.	KARTHICK .D	561997218	3 rd B.PHARM
17.	KARTHIKEYAN .R	561997219	3 rd B.PHARM
18.	KARTHICKRAJA .T	561997220	3 rd B.PHARM
19.	KUMANAN .N.V	561997221	3 rd B.PHARM
20.	MADESHWARAN .B	561997222	3 rd B.PHARM
21.	MANIKANDAN .S	561997223	3 rd B.PHARM
22.	MUTHUKRISHNAN .S	561997224	3 rd B.PHARM
23.	PAVENDHIRAN .S	561997225	3 rd B.PHARM
24.	PRADEEP .B	561997227	3 rd B.PHARM
25.	PRADEEP .T	561997228	3 rd B.PHARM



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26.	PRAMESHWARAN .A	561997229	3 rd B.PHARM
27.	PRIYANKA .P	561997230	3 rd B.PHARM
28.	RAJAGURU .A	561997231	3 rd B.PHARM
29.	SANTHOSHKUMAR .N	561997234	3 rd B.PHARM
30.	SARANKUMAR .T	561997235	3 rd B.PHARM
31.	SHALINI .M	561997236	3 rd B.PHARM
32.	SHANMUGAM .G	561997237	3 rd B.PHARM
33.	SREEJITH .S	561997238	3 rd B.PHARM
34.	SRINIVASAN .M	561997239	3 rd B.PHARM
35.	SRITHER .R	561997240	3 rd B.PHARM
36.	SUBASHINI .M	561997241	3 rd B.PHARM
37.	SURESH .M	561997242	3 rd B.PHARM
38.	SURYAPRAKASH .M	561997243	3 rd B.PHARM
39.	TAMILSELVAN .R	561997244	3 rd B.PHARM
40.	THANGAPANDIYAMMAL.T	561997245	3 rd B.PHARM
41.	VEERASELVAN .V	561997246	3 rd B.PHARM
42.	VIJAYAKUMAR .A	561997247	3 rd B.PHARM
43.	VIJAYKUMAR .M	561997248	3 rd B.PHARM
44.	VINITHA .A	561997249	3 rd B.PHARM
45.	VINOTHKUMAR .R	561997250	3 rd B.PHARM
46.	ANANDHKUMAR.M	560020523557	3 rd B.PHARM
47.	GNANAVEL.S	560020523558	3 rd B.PHARM
48.	GOKUL.K	560020523559	3 rd B.PHARM
49.	MYVIZHIKANNAN.R	560020523560	3 rd B.PHARM
50.	NANDHAKUMAR.D	560020523561	3 rd B.PHARM
51.	NANDHAKUMAR.S	560020523562	3 rd B.PHARM
52.	PRAKASH.V	560020523563	3 rd B.PHARM
53.	SATHISHKUMAR.V	560020523564	3 rd B.PHARM
54.	SUGAVARSAN.C	560020523565	3 rd B.PHARM
55.	VETRIVEL.R	560020523566	3 rd B.PHARM

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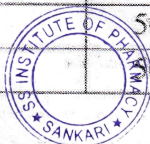
NAME OF ADD ON COURSE : A BASIC COURSE IN MACHINE LEARNING

COURSE INSTRUCTORS : VANITHA.M

YEAR OFFERED : 6th SEM B.PHARM

COURSE DURATION : 36 hrs

S.NO	NAME OF THE STUDENT	REGISTER NO	ATTENDANCE									
			2/09/22	3/9/22	5/9/22	6/9/22	9/9/22	10/9/22	12/9/22	13/9/22	14/9/22	
1.	ANUSUYA .N	561997202	Am	Am	Am	Am	Am	Am	Am	Am	Am	
2.	ARTHI .A	561997203	Art	Art	Art	Art	Art	Art	Art	Art	Art	
3.	ARUN .S	561997204	Ar	Ar	Ar	Ar	Ar	Ar	Ar	Ar	Ar	
4.	ARUN KUMAR .D	561997205	A.K	A.K	A.K	A.K	A.K	A.K	A.K	A.K	A.K	
5.	ARUN KUMAR .K	561997206	A.K	A.K	A.K	A.K	A.K	A.K	A.K	A.K	A.K	
6.	AZHAGIRI .T.K	561997207	Azh	Azh	Azh	Azh	Azh	Azh	Azh	Azh	Azh	
7.	DEEPASREE .M	561997208	Dee	Dee	Dee	Dee	Dee	Dee	Dee	Dee	Dee	
8.	DHANASEKARAN .A	561997209	Dha	Dha	Dha	Dha	Dha	Dha	Dha	Dha	Dha	
9.	DHARUN .A	561997210	Dha	Dha	Dha	Dha	Dha	Dha	Dha	Dha	Dha	
10.	DINESH .T	561997212	Din	Din	Din	Din	Din	Din	Din	Din	Din	
11.	ELAVARASAN .E	561997213	Ela	Ela	Ela	Ela	Ela	Ela	Ela	Ela	Ela	
12.	GOKULPRASATH .M	561997214	Gok	Gok	Gok	Gok	Gok	Gok	Gok	Gok	Gok	
13.	GOKULNATH .M	561997215	Gok	Gok	Gok	Gok	Gok	Gok	Gok	Gok	Gok	
14.	HEMAVATHI .D	561997216	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	
15.	KAMALESH .S	561997217	Kam	Kam	Kam	Kam	Kam	Kam	Kam	Kam	Kam	
16.	KARTHICK .D	561997218	Kar	Kar	Kar	Kar	Kar	Kar	Kar	Kar	Kar	
17.	KARTHIKEYAN .R	561997219	Kar	Kar	Kar	Kar	Kar	Kar	Kar	Kar	Kar	
18.	KARTHICKRAJA .T	561997220	Kar	Kar	Kar	Kar	Kar	Kar	Kar	Kar	Kar	
19.	KUMANAN .N.V	561997221	Kum	Kum	Kum	Kum	Kum	Kum	Kum	Kum	Kum	
20.	MADESHWARAN .B	561997222	Mad	Mad	Mad	Mad	Mad	Mad	Mad	Mad	Mad	
21.	MANIKANDAN .S	561997223	Man	Man	Man	Man	Man	Man	Man	Man	Man	
22.	MUTHUKANNAN .S	561997224	Muth	Muth	Muth	Muth	Muth	Muth	Muth	Muth	Muth	
23.	PAVENDHIRAN .S	561997226	Pav	Pav	Pav	Pav	Pav	Pav	Pav	Pav	Pav	
24.	PRADEEP .B	561997227	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	





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25.	PRADEEP .T	561997228	T. Pradeep	T. Pradeep	T. Pradeep	T. Pradeep	T. Pradeep	T. Pradeep	T. Pradeep	T. Pradeep	T. Pradeep	T. Pradeep
26.	PRAMESHWARAN .A	561997229	P. Prameshwar	P. Prameshwar	P. Prameshwar	P. Prameshwar	P. Prameshwar	P. Prameshwar	P. Prameshwar	P. Prameshwar	P. Prameshwar	P. Prameshwar
27.	PRIYANKA .P	561997230	P. Priyanka	P. Priyanka	P. Priyanka	P. Priyanka	P. Priyanka	P. Priyanka	P. Priyanka	P. Priyanka	P. Priyanka	P. Priyanka
28.	RAJAGURU .A	561997231	R. Rajaguru	R. Rajaguru	R. Rajaguru	R. Rajaguru	R. Rajaguru	R. Rajaguru	R. Rajaguru	R. Rajaguru	R. Rajaguru	R. Rajaguru
29.	SANTHOSHKUMAR .N	561997234	S. Santhosh Kumar	S. Santhosh Kumar	S. Santhosh Kumar	S. Santhosh Kumar	S. Santhosh Kumar	S. Santhosh Kumar	S. Santhosh Kumar	S. Santhosh Kumar	S. Santhosh Kumar	S. Santhosh Kumar
30.	SARANKUMAR .T	561997235	T. Sarankumar	T. Sarankumar	T. Sarankumar	T. Sarankumar	T. Sarankumar	T. Sarankumar	T. Sarankumar	T. Sarankumar	T. Sarankumar	T. Sarankumar
31.	SHALINI .M	561997236	M. Shalini	M. Shalini	M. Shalini	M. Shalini	M. Shalini	M. Shalini	M. Shalini	M. Shalini	M. Shalini	M. Shalini
32.	SHANMUGAM .G	561997237	G. Shanmugam	G. Shanmugam	G. Shanmugam	G. Shanmugam	G. Shanmugam	G. Shanmugam	G. Shanmugam	G. Shanmugam	G. Shanmugam	G. Shanmugam
33.	SREEJITH .S	561997238	S. Sreejith	S. Sreejith	S. Sreejith	S. Sreejith	S. Sreejith	S. Sreejith	S. Sreejith	S. Sreejith	S. Sreejith	S. Sreejith
34.	SRINIVASAN .M	561997239	M. Srinivasan	M. Srinivasan	M. Srinivasan	M. Srinivasan	M. Srinivasan	M. Srinivasan	M. Srinivasan	M. Srinivasan	M. Srinivasan	M. Srinivasan
35.	SRITHER .R	561997240	R. Srither	R. Srither	R. Srither	R. Srither	R. Srither	R. Srither	R. Srither	R. Srither	R. Srither	R. Srither
36.	SUBASHINI .M	561997241	M. Subashini	M. Subashini	M. Subashini	M. Subashini	M. Subashini	M. Subashini	M. Subashini	M. Subashini	M. Subashini	M. Subashini
37.	SURESH .M	561997242	M. Suresh	M. Suresh	M. Suresh	M. Suresh	M. Suresh	M. Suresh	M. Suresh	M. Suresh	M. Suresh	M. Suresh
38.	SURYAPRAKASH .M	561997243	M. Suryaprakash	M. Suryaprakash	M. Suryaprakash	M. Suryaprakash	M. Suryaprakash	M. Suryaprakash	M. Suryaprakash	M. Suryaprakash	M. Suryaprakash	M. Suryaprakash
39.	TAMILSELVAN .R	561997244	R. Tamilselvan	R. Tamilselvan	R. Tamilselvan	R. Tamilselvan	R. Tamilselvan	R. Tamilselvan	R. Tamilselvan	R. Tamilselvan	R. Tamilselvan	R. Tamilselvan
40.	THANGAPANDIYAMM AL.T	561997245	T. Thangapandi	T. Thangapandi	T. Thangapandi	T. Thangapandi	T. Thangapandi	T. Thangapandi	T. Thangapandi	T. Thangapandi	T. Thangapandi	T. Thangapandi
41.	VEERASELVAN .V	561997246	V. Veeraselvan	V. Veeraselvan	V. Veeraselvan	V. Veeraselvan	V. Veeraselvan	V. Veeraselvan	V. Veeraselvan	V. Veeraselvan	V. Veeraselvan	V. Veeraselvan
42.	VIJAYAKUMAR .A	561997247	A. Vijayakumar	A. Vijayakumar	A. Vijayakumar	A. Vijayakumar	A. Vijayakumar	A. Vijayakumar	A. Vijayakumar	A. Vijayakumar	A. Vijayakumar	A. Vijayakumar
43.	VIJAYKUMAR .M	561997248	M. Vijayakumar	M. Vijayakumar	M. Vijayakumar	M. Vijayakumar	M. Vijayakumar	M. Vijayakumar	M. Vijayakumar	M. Vijayakumar	M. Vijayakumar	M. Vijayakumar
44.	VINITHA .A	561997249	A. Vinitha	A. Vinitha	A. Vinitha	A. Vinitha	A. Vinitha	A. Vinitha	A. Vinitha	A. Vinitha	A. Vinitha	A. Vinitha
45.	VINOTHKUMAR .R	561997250	R. Vinothkumar	R. Vinothkumar	R. Vinothkumar	R. Vinothkumar	R. Vinothkumar	R. Vinothkumar	R. Vinothkumar	R. Vinothkumar	R. Vinothkumar	R. Vinothkumar
46.	ANANDHKUMAR.M	560020523557	M. Anandhkumar	M. Anandhkumar	M. Anandhkumar	M. Anandhkumar	M. Anandhkumar	M. Anandhkumar	M. Anandhkumar	M. Anandhkumar	M. Anandhkumar	M. Anandhkumar
47.	GNANAVEL.S	560020523558	S. Gnanavel	S. Gnanavel	S. Gnanavel	S. Gnanavel	S. Gnanavel	S. Gnanavel	S. Gnanavel	S. Gnanavel	S. Gnanavel	S. Gnanavel
48.	GOKUL.K	560020523559	K. Gokul	K. Gokul	K. Gokul	K. Gokul	K. Gokul	K. Gokul	K. Gokul	K. Gokul	K. Gokul	K. Gokul
49.	MYVIZHIKANNAN.R	560020523560	R. Myvizhikannan	R. Myvizhikannan	R. Myvizhikannan	R. Myvizhikannan	R. Myvizhikannan	R. Myvizhikannan	R. Myvizhikannan	R. Myvizhikannan	R. Myvizhikannan	R. Myvizhikannan
50.	NANDHAKUMAR.D	560020523561	D. Nandhakumar	D. Nandhakumar	D. Nandhakumar	D. Nandhakumar	D. Nandhakumar	D. Nandhakumar	D. Nandhakumar	D. Nandhakumar	D. Nandhakumar	D. Nandhakumar
51.	NANDHAKUMAR.S	560020523562	S. Nandhakumar	S. Nandhakumar	S. Nandhakumar	S. Nandhakumar	S. Nandhakumar	S. Nandhakumar	S. Nandhakumar	S. Nandhakumar	S. Nandhakumar	S. Nandhakumar
52.	PRAKASH.V	560020523563	V. Prakash	V. Prakash	V. Prakash	V. Prakash	V. Prakash	V. Prakash	V. Prakash	V. Prakash	V. Prakash	V. Prakash
53.	SATHISHKUMAR.V	560020523564	V. Sathishkumar	V. Sathishkumar	V. Sathishkumar	V. Sathishkumar	V. Sathishkumar	V. Sathishkumar	V. Sathishkumar	V. Sathishkumar	V. Sathishkumar	V. Sathishkumar
54.	SUGAVARSAN.C	560020523565	C. Sugavarsan	C. Sugavarsan	C. Sugavarsan	C. Sugavarsan	C. Sugavarsan	C. Sugavarsan	C. Sugavarsan	C. Sugavarsan	C. Sugavarsan	C. Sugavarsan
55.	VETRIVEL.R		R. Vetrivel	R. Vetrivel	R. Vetrivel	R. Vetrivel	R. Vetrivel	R. Vetrivel	R. Vetrivel	R. Vetrivel	R. Vetrivel	R. Vetrivel

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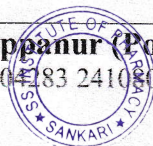
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and The Directorate of Medical Education, Chennai.

S.NO	NAME OF THE STUDENT	REGISTER NO	ATTENDANCE								
			15/9/22	16/9/22	17/9/22	19/9/22	20/9/22	22/9/22	23/9/22	24/9/22	26/9/22
1.	ANUSUYA .N	561997202	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
2.	ARTHI .A	561997203	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
3.	ARUN .S	561997204	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
4.	ARUN KUMAR .D	561997205	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
5.	ARUN KUMAR .K	561997206	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
6.	AZHAGIRI .T.K	561997207	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
7.	DEEPASREE .M	561997208	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
8.	DHANASEKARAN .A	561997209	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
9.	DHARUN .A	561997210	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
10.	DINESH .T	561997212	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
11.	ELAVARASAN .E	561997213	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
12.	GOKULPRASATH .M	561997214	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
13.	GOKULNATH .M	561997215	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
14.	HEMAVATHI .D	561997216	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
15.	KAMALESH .S	561997217	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
16.	KARTHICK .D	561997218	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
17.	KARTHIKEYAN .R	561997219	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
18.	KARTHICKRAJA .T	561997220	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
19.	KUMANAN .N.V	561997221	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
20.	MADESHWARAN .B	561997222	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
21.	MANIKANDAN .S	561997223	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
22.	MUTHUKANNAN .S	561997224	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
23.	PAVENDHIRAN .S	561997226	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
24.	PRADEEP .B	561997227	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
25.	PRADEEP .T	561997228	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
26.	PRAMESHWARAN .A	561997229	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
27.	PRIYANKA .P	561997230	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
28.	RAJAGURU .A	561997231	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
29.	SANTHOSHKUMAR .N	561997234	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
30.	SARANKUMAR .T	561997235	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
31.	SHALINI .M	561997236	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce
32.	SHANMUGAM .G	561997237	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce	Acce

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33.	SREEJITH .S	561997238	Sree	Sree	Sree	Sree	Sree	Sree	Sree	Sree	Sree	Sree
34.	SRINIVASAN .M	561997239	Srin	Srin	Srin	Srin	Srin	Srin	Srin	Srin	Srin	Srin
35.	SRITHER .R	561997240	Srit	Srit	Srit	Srit	Srit	Srit	Srit	Srit	Srit	Srit
36.	SUBASHINI .M	561997241	Suba	Suba	Suba	Suba	Suba	Suba	Suba	Suba	Suba	Suba
37.	SURESH .M	561997242	Sure	Sure	Sure	Sure	Sure	Sure	Sure	Sure	Sure	Sure
38.	SURYAPRAKASH .M	561997243	Sury	Sury	Sury	Sury	Sury	Sury	Sury	Sury	Sury	Sury
39.	TAMILSELVAN .R	561997244	Tam	Tam	Tam	Tam	Tam	Tam	Tam	Tam	Tam	Tam
40.	THANGAPANDIYAMM AL.T	561997245	Thang	Thang	Thang	Thang	Thang	Thang	Thang	Thang	Thang	Thang
41.	VEERASELVAN .V	561997246	Veera	Veera	Veera	Veera	Veera	Veera	Veera	Veera	Veera	Veera
42.	VIJAYAKUMAR .A	561997247	Vijay	Vijay	Vijay	Vijay	Vijay	Vijay	Vijay	Vijay	Vijay	Vijay
43.	VIJAYKUMAR .M	561997248	Vijay	Vijay	Vijay	Vijay	Vijay	Vijay	Vijay	Vijay	Vijay	Vijay
44.	VINITHA .A	561997249	Vinitha	Vinitha	Vinitha	Vinitha	Vinitha	Vinitha	Vinitha	Vinitha	Vinitha	Vinitha
45.	VINOTHKUMAR .R	561997250	Vinoth	Vinoth	Vinoth	Vinoth	Vinoth	Vinoth	Vinoth	Vinoth	Vinoth	Vinoth
46.	ANANDHKUMAR.M	560020523557	Anand	Anand	Anand	Anand	Anand	Anand	Anand	Anand	Anand	Anand
47.	GNANAVEL.S	560020523558	Gnanavel	Gnanavel	Gnanavel	Gnanavel	Gnanavel	Gnanavel	Gnanavel	Gnanavel	Gnanavel	Gnanavel
48.	GOKUL.K	560020523559	Gokul	Gokul	Gokul	Gokul	Gokul	Gokul	Gokul	Gokul	Gokul	Gokul
49.	MYVIZHIKANNAN.R	560020523560	Myvizhi	Myvizhi	Myvizhi	Myvizhi	Myvizhi	Myvizhi	Myvizhi	Myvizhi	Myvizhi	Myvizhi
50.	NANDHAKUMAR.D	560020523561	Nandha	Nandha	Nandha	Nandha	Nandha	Nandha	Nandha	Nandha	Nandha	Nandha
51.	NANDHAKUMAR.S	560020523562	Nandha	Nandha	Nandha	Nandha	Nandha	Nandha	Nandha	Nandha	Nandha	Nandha
52.	PRAKASH.V	560020523563	Prakash	Prakash	Prakash	Prakash	Prakash	Prakash	Prakash	Prakash	Prakash	Prakash
53.	SATHISHKUMAR.V	560020523564	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish
54.	SUGAVARSAN.C	560020523565	Sugavar	Sugavar	Sugavar	Sugavar	Sugavar	Sugavar	Sugavar	Sugavar	Sugavar	Sugavar
55.	VETRIVEL.R	560020523566	Vetrivel	Vetrivel	Vetrivel	Vetrivel	Vetrivel	Vetrivel	Vetrivel	Vetrivel	Vetrivel	Vetrivel



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22

ADD ON COURSE	A BASIC COURSE IN MACHINE LEARNING
DEPARTMENT	PHARMACEUTICAL ANALYSIS
ACADEMIC YEAR	2022-2023
DATE	02/09/2022 to 26/09/2022
VENUE	SEMINAR HALL
NAME: B. Pradeep	COURSE: VI - Sem

ANSWER ALL THE QUESTIONS:

DATE: 26/09/22

MULTIPLE CHOICE QUESTIONS

MARKS: 15

1. What is the primary goal of supervised learning?

- a. To discover patterns in data
- ☒ b. To predict outcomes based on input data
- c. To group similar data points together
- d. To reduce the dimensionality of data

2. Which algorithm is an **example** of a decision tree classifier?

- a. Linear Regression
- b. K-Nearest Neighbors
- ☒ c. Random Forest
- d. Support Vector Machine

3. What is the purpose of activation functions in neural networks?

- ☒ a. To introduce non-linearity
- b. To reduce dimensionality
- c. To increase accuracy
- d. To decrease training time
- e.

4. Which technique is used to evaluate the performance of a machine learning model?

- ☒ a. Cross-validation
- b. Hyperparameter tuning
- c. Feature selection
- d. Data preprocessing

14



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5. What is the term for the process of selecting the most informative features in a dataset?

- a. Feature extraction
- ☒ b. Feature selection
- c. Dimensionality reduction
- d. Data transformation

6. Which ensemble method **combines** multiple models to improve accuracy?

- a. Bagging
- ☒ b. Boosting
- c. Random Forest
- d. Gradient Boosting

7. What is the purpose of data preprocessing in machine learning?

- a. To improve model accuracy
- b. To reduce training time
- c. To handle missing values and normalize data
- ☒ d. To increase **dimensionality**

8. Which algorithm is an example of an unsupervised learning technique?

- a. Linear Regression
- ☒ b. K-Means Clustering
- c. Decision Trees
- d. Support Vector Machine

9. What is the term for the trade-off between model complexity and accuracy?

- ☒ a. Bias-variance tradeoff
- b. Overfitting-underfitting tradeoff
- c. Precision-recall tradeoff
- d. Accuracy-F1 score tradeoff

10. Which library is widely used for machine learning in Python?

- ☒ a. Scikit-learn
- b. TensorFlow
- c. PyTorch
- d. Keras



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11. What is the purpose of hyperparameter tuning in machine learning?

- a. To improve model accuracy
- b. To reduce training time
- ☒ c. To select the best model parameters
- d. To increase dimensionality

12. Which technique is used to reduce the dimensionality of high-dimensional data?

- ☒ a. PCA
- b. t-SNE
- c. Feature selection
- d. Data transformation

13. What is the term for the process of training multiple models on different subsets of data?

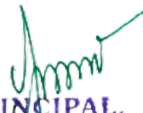
- a. Cross-validation
- b. Hyperparameter tuning
- ☒ c. Ensemble learning
- d. Transfer learning

14. Which algorithm is an example of a deep learning architecture?

- a. Linear Regression
- b. Decision Trees
- ☒ c. Convolutional Neural Network (CNN)
- d. Support Vector Machine

15. What is the purpose of ethics and fairness in machine learning?

- a. To improve model accuracy
- ☒ b. To reduce bias in models
- c. To increase transparency in models
- d. To reduce training time


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DEPARTMENT	PHARMACEUTICAL ANALYSIS
ACADEMIC YEAR	2022-2023
DATE	02/09/2022 to 26/09/2022

ANSWER KEY:

DATE:26/09/22

MULTIPLE CHOICE QUESTIONS

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- c. PyTorch
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- c. To increase transparency in models
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ADD ON COURSE – MARK LIST

NAME OF ADD ON COURSE : A BASIC COURSE IN MACHINE LEARNING

COURSE INSTRUCTORS : VANITHA.M

YEAR OFFERED : 6th SEM B.PHARM

COURSE DURATION : 36hrs

S.NO	NAME OF STUDENT	REGISTER NO	MARKS (15)	PERCENTAGE (%)
1.	ANUSUYA .N	561997202	12	80%
2.	ARTHI .A	561997203	15	100%
3.	ARUN .S	561997204	15	100%
4.	ARUN KUMAR .D	561997205	13	86%
5.	ARUN KUMAR .K	561997206	13	86%
6.	AZHAGIRI .T.K	561997207	14	93%
7.	DEEPASREE .M	561997208	14	93%
8.	DHANASEKARAN .A	561997209	15	100%
9.	DHARUN .A	561997210	13	86%
10.	DINESH .T	561997212	13	86%
11.	ELAVARASAN .E	561997213	13	86%
12.	GOKULPRASATH .M	561997214	13	86%
13.	GOKULNATH .M	561997215	15	100%
14.	HEMAVATHI .D	561997216	13	86%
15.	KAMALESH .S	561997217	14	93%
16.	KARTHICK .D	561997218	15	100%
17.	KARTHIKEYAN .R	561997219	13	86%
18.	KARTHICKRAJA .T	561997220	13	86%
19.	KUMANAN .N.V	561997221	12	80%
20.	MADESHWARAN .B	561997222	13	86%
21.	MANIKANDAN .S	561997223	15	100%
22.	MUTHUKANNAN .S	561997224	12	80%
23.	PAVENDHIRAN .S	561997225	12	86%



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26.	PRAMESHWARAN .A	561997229	15	100%
27.	PRIYANKA .P	561997230	15	100%
28.	RAJAGURU .A	561997231	13	86%
29.	SANTHOSHKUMAR .N	561997234	13	86%
30.	SARANKUMAR .T	561997235	14	93%
31.	SHALINI .M	561997236	14	93%
32.	SHANMUGAM .G	561997237	15	100%
33.	SREEJITH .S	561997238	13	86%
34.	SRINIVASAN .M	561997239	13	86%
35.	SRITHER .R	561997240	13	86%
36.	SUBASHINI .M	561997241	13	86%
37.	SURESH .M	561997242	15	100%
38.	SURYAPRAKASH .M	561997243	13	86%
39.	TAMILSELVAN .R	561997244	14	93%
40.	THANGAPANDIYAMMAL.T	561997245	15	100%
41.	VEERASELVAN .V	561997246	13	86%
42.	VIJAYAKUMAR .A	561997247	13	86%
43.	VIJAYKUMAR .M	561997248	12	80%
44.	VINITHA .A	561997249	13	86%
45.	VINOTHKUMAR .R	561997250	12	80%
46.	ANANDHKUMAR.M	560020523557	15	100%
47.	GNANAVEL.S	560020523558	15	100%
48.	GOKUL.K	560020523559	13	86%
49.	MYVIZHIKANNAN.R	560020523560	13	86%
50.	NANDHAKUMAR.D	560020523561	14	93%
51.	NANDHAKUMAR.S	560020523562	14	93%
52.	PRAKASH.V	560020523563	15	100%
53.	SATHISHKUMAR.V	560020523564	13	86%
54.	SUGAVARSAN.C	560020523565	13	86%
55.	VETRIVEL.R	560020523566	13	86%

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TOTAL NUMBER OF PERCENTAGE : 90.4%
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SALEM - 637301.

NH-544, Kuppanur (Po), Sankari (Tk), Salem(Dt) – 637301, Tamilnadu, India
Phone : 04283 241080 | E-mail : ssip1718@gmail.com | Website : www.ssip.edu.in



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and The Directorate of Medical Education, Chennai.

ADD ON COURSE : SUMMARY REPORT

Course code and Name : 22BCML05/ A Basic Course In Machine Learning

Date Of Add On Programme : 02/09/2022 to 26/09/2022

Course Duration : 36 Hours

Year Offered : 6th Sem B.Pharm

Course Instructors : M.Vanitha.,M.Pharm.

Course Outcomes :

- **Feature engineering:** Learn techniques for feature selection and engineering to improve model performance. Understand how to create new features and choose the most relevant ones for your models.
- **Overfitting and underfitting:** Understand the concepts of overfitting and underfitting, and learn techniques to address these issues, such as regularization, dropout, and ensemble methods.
- **Basic data visualization:** Develop skills in visualizing data and model results using tools like matplotlib or seaborn to better understand data distributions and model performance.

Course Type : Add on Course

Assessment Mode:

Total Duration : 36 Hours

Number of Participants : 55

Scheme of Exam : MCQ type, offline Mode

Date of Exam : 26/09/2022

Course Coordinator

JOTHIMANIVANNAN
CHENNAKESAVALU



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ONE DAY WORKSHOP
Organized by
Department of
PHARMACEUTICAL ANALYSIS

.....S. DAYENDHIRAN.....

HAS APPRICATED FOR HIS / HER
PARTICIPATION IN ONE DAY SEMINAR ON
A BASIC COURSE IN MACHINE LEARNING

COORDINATOR

.....02/09/2022 TO 26/09/2022.....



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ONE DAY WORKSHOP
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Department of
PHARMACEUTICAL ANALYSIS

.....N.V. KUMANAN.....

HAS APPRICATED FOR HIS / HER
PARTICIPATION IN ONE DAY SEMINAR ON
A BASIC COURSE IN MACHINE LEARNING

COORDINATOR

02/09/2022 TO 26/09/2022



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and The Directorate of Medical Education, Chennai.

STUDENT FEEDBACK FORM

STUDENT NAME: A. Arthu

DATE: 26.09.2022

YEAR/COURSE: B.Pharm 6th Sem

NAME OF THE ADD ON COURSE: A BASIC COURSE IN MACHINE LEARNING

COURSE CODE: 22B CML05

DURATION: 36 hrs.

EVALUATE HONESTLY:

Questions	Excellent	Good	Fair	Poor
How was the objectives of the training	✓			
How satisfied are you with our seminar		✓		
How would you rate the clarity and effectiveness of the presenter's delivery	✓			
Was the seminar duration appropriate		✓		
How engaging and interactive was the seminar	✓			
Usefulness of the information provided		✓		
Overall quality of session	✓			



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SIGNATURE

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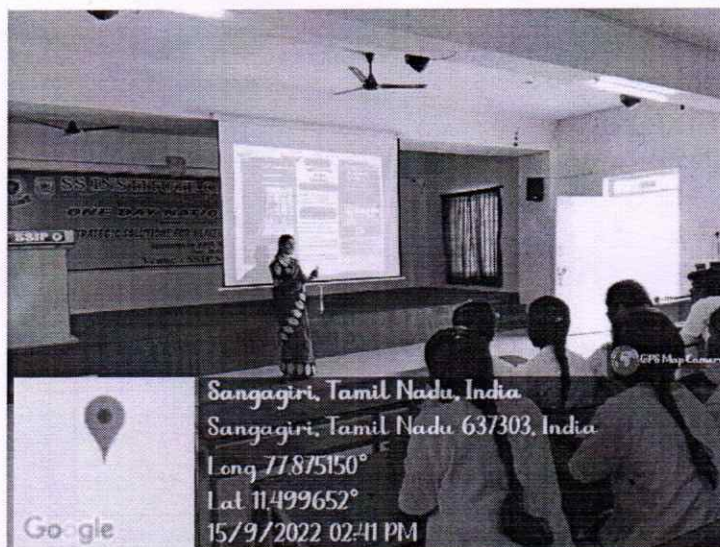
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and The Directorate of Medical Education, Chennai.

PHOTOGRAPH

DATE : 5/9/22

A BASIC COURSE IN MACHINE LEARNING

NAME OF ADD ON COURSE : A BASIC COURSE IN MACHINE LEARNING
COURSE INSTRUCTORS : VANITHA.M
YEAR OFFERED : 6th SEM B.PHARM
COURSE DURATION : 36 hrs



Add-on course regarding the Topic Application of Basic Course In Machine Learning 5/9/22 the speech delivered By **M.Vanitha.,M.Pharm.** which was an interactive session and students could able to understand the Application of Basic Course In Machine Learning in the fields of pharmaceutical sciences

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