



# A.D.M College For Women (Autonomous)

Nationally Accredited with 'A' by NAAC (Cycle-IV)

Nagapattinam -611 001

TamilNadu.



## ***NPTEL ONLINE COURSE- 2023-24***

S.No	NAME	DEPARTMENT	COURSE	DURATION
1.	Ms.S.Varshadevi	II M.Sc Chemistry	Analytical Chemistry	July-October 2023
2.	Ms.M.Sveha			
3.	Ms.A.Menaga			
4.	Dr.N.Lavanya	Physics	Research Methodology	August - October 2023
5.	Dr.P.Jamuna Devi	Mathematics	Accreditation and OB learning	August - October 2023
6.	Dr.A.Rakini	Chemistry	Stereo chemistry	July- September 2023
7.	P.Sujatha	Economics	Research Methodology	August - October 2023



Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**S VARSHADEVI**  
for successfully completing the course

**Analytical Chemistry**

with a consolidated score of **62** %

Online Assignments	20.25/25	Proctored Exam	42/75
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Total number of candidates certified in this course: **626**

**Jul-Oct 2023**  
**(12 week course)**

**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CY59S747800431

To verify the certificate



No. of credits recommended: 3 or 4



# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**M SVEHA**

for successfully completing the course

**Analytical Chemistry**

with a consolidated score of **56** %

Online Assignments	19.63/25	Proctored Exam	36/75
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Total number of candidates certified in this course: **626**

**Jul-Oct 2023**  
**(12 week course)**

**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CY59S747800391

To verify the certificate



No. of credits recommended: 3 or 4



# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**A MENAGA**  
for successfully completing the course

## Analytical Chemistry

with a consolidated score of **52** %

Online Assignments	20.25/25	Proctored Exam	31.5/75
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Total number of candidates certified in this course: **626**

**Jul-Oct 2023**  
(12 week course)

**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CY59S747800330

To verify the certificate



No. of credits recommended: 3 or 4



# NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**DR N LAVANYA**

for successfully completing the course

**Research Methodology**

with a consolidated score of 60 %

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



(Aug-Oct 2023)

Roll No: NPTEL23GE36S642600147

Duration of NPTEL course : 8 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.  
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24<sup>th</sup> July 2018, similar to other refresher / orientation courses.  
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**P JAMUNA DEVI**

for successfully completing the course

**Accreditation and Outcome Based Learning**

with a consolidated score of **72** %

Online Assignments	19.79/25	Proctored Exam	51.75/75
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Total number of candidates certified in this course: 1356

Aug-Oct 2023

(8 week course)

**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23GE46S742600032

To verify the certificate



No. of credits recommended: 2 or 3



# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**A RAKINI**

for successfully completing the course

**Stereochemistry**

with a consolidated score of **45** %

Online Assignments	13.42/25	Proctored Exam	31.25/75
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Total number of candidates certified in this course: **57**

**Jul-Sep 2023**

**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur

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# NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SUJATHA P**

for successfully completing the course

**Research Methodology**

with a consolidated score of **68 %**

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



(Aug-Oct 2023)

Roll No: NPTEL23GE36S647800815

Duration of NPTEL course : 8 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.  
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24<sup>th</sup> July 2018, similar to other refresher / orientation courses.  
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



**A.D.M. COLLEGE FOR WOMEN (AUTONOMOUS), NAGAPATTINAM**  
**PG DEPARTMENT OF COMPUTER SCIENCE**  
**INTERNSHIP PROGRAMME (2023-2024)**  
**MACHINE LEARNING**

- Resource Person** : Dr. Amruta Vishnu Lipare,  
Assistant Professor,  
Indian Institute of Information Technology (IIIT),  
Pune.
- Title of the Internship Programme** : Machine Learning
- Duration of the Programme** : 60 Hours
- Beneficiaries** : 08 Students (II M.Sc., Computer Science)
- Convener** : Dr.J.Umamaheswari,  
Dean of Computer Science,  
PG Department of Computer Science,  
A.D.M.College for Women (A), Nagapattinam.
- Head of the Department** : Dr. S.Thaiyalnayaki,  
Head & Assistant Professor of Computer Science,  
PG Department of Computer Science,  
A.D.M.College for Women(A),Nagapattinam.
- Coordinator** : 1. Mrs.K.Kavitha,  
Assistant Professor of Computer Science,  
PG Department of Computer Science,  
A.D.M.College for Women (A), Nagapattinam.
2. Mrs.G.Lokeshwari,  
Assistant Professor Computer Science,  
PG Department of Computer Science,  
A.D.M.College for Women (A), Nagapattinam.

**Dr.S.Thaiyalnayaki**  
**Signature of the HOD**

**Dr.J.Umamaheswari**  
**Signature of the Dean**

**II M.Sc. Computer Science (2023-2024)**

**STUDENT NAME LIST WITH TITLE**

<b>S.No.</b>	<b>Register No.</b>	<b>Name of the Student</b>	<b>Title</b>
1.	22PCS101	S.Niha	Fake News Detection From Online Media Using Machine Learning Classifiers
2.	22PCS102	S.Sivaranjanai	Fake News Detection From Online Media Using Machine Learning Classifiers
3.	22PCS104	V.Punitha	Credit Card Customer Segmentation Using Clustering
4.	22PCS105	A.Anusha	Credit Card Customer Segmentation Using Clustering
5.	22PCS107	A.Suruthi	Credit Card Fraud Detection Using Machine Learning
6.	22PCS108	R.Bhuvaneshwari	Credit Card Fraud Detection Using Machine Learning
7.	22PCS109	M.Mahira	Password Strength Classifier Using Machine Learning
8.	22PCS110	M.Sowmiya	Password Strength Classifier Using Machine Learning

**Dr.S.Thaiyalnayaki**  
**Signature of the HOD**

**Dr.J.Umamaheswari**  
**Signature of the Dean**

## SYLLABUS

S.NO.	TOPIC
1.	<b>Data Pre-processing 1:</b> Write a program to perform various data pre- processing techniques in machine learning like Handling null values / missing values, perform one hot encoding and label encoding on data, perform features calling techniques like standardization, normalization etc.
2.	<b>Data Pre-processing 2:</b> Write a program to implement at least 3 encoding methods and display the output.
3.	<b>Linear Regression Implementation:</b> Write a program to Perform Linear Regression.
4.	<b>DECISION TREE Implementation:</b> Write a program to implement DECISION TREE algorithm.
5.	<b>K Nearest Neighbours Implementation:</b> Write a program To perform KNN-K Nearest Neighbours –Classification.
6.	<b>PCA Implementation:</b> Perform PCA on a dataset and calculate the accuracy on it
7.	<b>Naïve Bayes Implementation:</b> Perform Naïve Bayes Algorithm on a dataset and calculate the accuracy on it.
8.	<b>SVM implementation:</b> Perform Support Vector Machine Algorithm on a dataset and calculate the accuracy on it.
9.	<b>ANN implementation:</b> Perform Artificial Neural Network Algorithm on a dataset and calculate the accuracy on it.
10.	<b>K MEANS implementation:</b> Perform K-Means Algorithm on a dataset and calculate the accuracy on it.

**A.D.M COLLEGE FOR WOMEN (AUTONOMOUS), NAGAPATTINAM**  
**PG DEPARTMENT OF COMPUTER SCIENCE**  
**INTERNSHIP REPORT (2023-2024)**

In our Department II M.Sc, Computer Science underwent an Internship programme on “Machine Learning”. The Resource Person Dr. Amruta Vishnu Lipare, Assistant Professor, Indian Institute of Information Technology (IIIT), Pune. Totally 8 students were the beneficiaries of this programme in this academic year (2023-2024).

The Duration of the program was from 20.09.2023 to 22.11.2023. Dr.J.Umamaheswari, Convenor, Dr.S.Thaiyalnayaki, Head of the Department, Mrs. K. Kavitha, & Mrs. G. Lokeshwari, Assistant Professor of Computer Science, PG Department of Computer Science, A.D.M.College for Women(A), Nagapattinam has the Coordinator of the programme. The Internship programme is ended on 22.11.2023. Certificates were issued by the Principal of the College.

**Dr.S.Thaiyalnayaki**  
**Signature of the HOD**

**Dr.J.Umamaheswari**  
**Signature of the Dean**

## Schedule of Internship

<b>S.No</b>	<b>Date</b>	<b>Time</b>	<b>Duration</b>
1.	20.09.2023	3.00 pm to 5.00 pm	2 hrs
2.	21.09.2023	3.00 pm to 5.00 pm	2 hrs
3.	22.09.2023	3.00 pm to 5.00 pm	2 hrs
4.	23.09.2023	3.00 pm to 5.00 pm	2 hrs
5.	25.09.2023	3.00 pm to 5.00 pm	2 hrs
6.	26.09.2023	3.00 pm to 5.00 pm	3 hrs
7.	27.09.2023	3.00 pm to 5.00 pm	2 hrs
8.	29.09.2023	3.00 pm to 5.00 pm	2 hrs
9.	30.09.2023	3.00 pm to 5.00 pm	2 hrs
10.	02.10.2023	3.00 pm to 5.00 pm	2 hrs
11.	03.10.2023	3.00 pm to 5.00 pm	2 hrs
12.	04.10.2023	3.00 pm to 5.00 pm	2 hrs
13.	05.10.2023	3.00 pm to 5.00 pm	2 hrs
14.	06.10.2023	3.00 pm to 5.00 pm	2 hrs
15.	07.10.2023	3.00 pm to 5.00 pm	2 hrs
16.	11.10.2023	3.00 pm to 5.00 pm	2 hrs
17.	12.10.2023	3.00 pm to 5.00 pm	2 hrs
18.	13.10.2023	3.00 pm to 5.00 pm	2 hrs
19.	14.10.2023	3.00 pm to 5.00 pm	2 hrs
20.	16.10.2023	3.00 pm to 5.00 pm	2 hrs
21.	18.10.2023	3.00 pm to 5.00 pm	2 hrs
22.	21.10.2023	3.00 pm to 5.00 pm	2 hrs
23.	25.10.2023	3.00 pm to 5.00 pm	2 hrs
24.	26.10.2023	3.00 pm to 5.00 pm	2 hrs
25.	27.10.2023	3.00 pm to 5.00 pm	2 hrs
26.	28.10.2023	3.00 pm to 5.00 pm	2 hrs
27.	17.11.2023	10.00 am to 12.00 pm	2 hrs
28.	18.11.2023	10.00 am to 12.00 pm	2 hrs
29.	21.11.2023	10.00 am to 12.00 pm	2 hrs
30.	22.11.2023	10.00 am to 12.00 pm	2 hrs


## CERTIFICATES




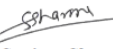
भारतीय सूचना प्रौद्योगिकी संस्थान पुणे  
Indian Institute of Information Technology Pune  
(An Institute of National Importance, under act of Parliament)  
Pune, Maharashtra, India

### CERTIFICATE OF COMPLETION

*This is to certify that NIHA. S of A.D.M College for Women (Autonomous), Nagapattinam has successfully completed summer internship in the field of Machine Learning (Fake News Detection From Online Media Using Machine Learning Classifiers) under the guidance of Dr. Amruta Vishnu Lipare from 20 September 2023 to 22 November 2023.*

  
Dr. Amruta Vishnu Lipare  
Internship Supervisor  
IIIT Pune

  
Dr. Amruta Vishnu Lipare  
Coordinator- Internship Programme  
IIIT Pune


  
Dr. Sanjeev Sharma  
HoD, CSE  
IIIT Pune





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Indian Institute of Information Technology Pune  
(An Institute of National Importance, under act of Parliament)  
Pune, Maharashtra, India

### CERTIFICATE OF COMPLETION

*This is to certify that SIVARANJANI. S of A.D.M College for Women (Autonomous), Nagapattinam has successfully completed summer internship in the field of Machine Learning (Fake News Detection From Online Media Using Machine Learning Classifiers) under the guidance of Dr. Amruta Vishnu Lipare from 20 September 2023 to 22 November 2023.*

  
Dr. Amruta Vishnu Lipare  
Internship Supervisor  
IIIT Pune

  
Dr. Amruta Vishnu Lipare  
Coordinator- Internship Programme  
IIIT Pune


  
Dr. Sanjeev Sharma  
HoD, CSE  
IIIT Pune




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Indian Institute of Information Technology Pune  
(An Institute of National Importance, under act of Parliament)  
Pune, Maharashtra, India

**CERTIFICATE OF COMPLETION**

*This is to certify that PUNITHA. V of A.D.M College for Women (Autonomous), Nagapattinam has successfully completed summer internship in the field of Machine Learning (Credit Card Customer Segmentation Using Clustering) under the guidance of Dr. Amruta Vishnu Lipare from 20 September 2023 to 22 November 2023.*

  
Dr. Amruta Vishnu Lipare  
Internship Supervisor  
IIIT Pune

  
Dr. Amruta Vishnu Lipare  
Coordinator- Internship Programme  
IIIT Pune


  
Dr. Sanjeev Sharma  
HoD, CSE  
IIIT Pune





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Indian Institute of Information Technology Pune  
(An Institute of National Importance, under act of Parliament)  
Pune, Maharashtra, India

**CERTIFICATE OF COMPLETION**

*This is to certify that ANUSHA. A of A.D.M College for Women (Autonomous), Nagapattinam has successfully completed summer internship in the field of Machine Learning (Credit Card Customer Segmentation Using Clustering) under the guidance of Dr. Amruta Vishnu Lipare from 20 September 2023 to 22 November 2023.*

  
Dr. Amruta Vishnu Lipare  
Internship Supervisor  
IIIT Pune

  
Dr. Amruta Vishnu Lipare  
Coordinator- Internship Programme  
IIIT Pune


  
Dr. Sanjeev Sharma  
HoD, CSE  
IIIT Pune




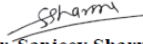
भारतीय सूचना प्रौद्योगिकी संस्थान पुणे  
Indian Institute of Information Technology Pune  
(An Institute of National Importance, under act of Parliament)  
Pune, Maharashtra, India

**CERTIFICATE OF COMPLETION**

*This is to certify that BHUVANESWARI. R of A.D.M College for Women (Autonomous), Nagapattinam has successfully completed summer internship in the field of Machine Learning (Credit Card Fraud Detection Using Machine Learning) under the guidance of Dr. Amruta Vishnu Lipare from 20 September 2023 to 22 November 2023.*

  
Dr. Amruta Vishnu Lipare  
Internship Supervisor  
IIIT Pune

  
Dr. Amruta Vishnu Lipare  
Coordinator- Internship Programme  
IIIT Pune


  
Dr. Sanjeev Sharma  
HoD, CSE  
IIIT Pune




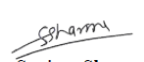
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Indian Institute of Information Technology Pune  
(An Institute of National Importance, under act of Parliament)  
Pune, Maharashtra, India

**CERTIFICATE OF COMPLETION**

*This is to certify that MAHIRA. M of A.D.M College for Women (Autonomous), Nagapattinam has successfully completed summer internship in the field of Machine Learning (Credit Card Fraud Detection Using Machine Learning) under the guidance of Dr. Amruta Vishnu Lipare from 20 September 2023 to 22 November 2023.*

  
Dr. Amruta Vishnu Lipare  
Internship Supervisor  
IIIT Pune

  
Dr. Amruta Vishnu Lipare  
Coordinator- Internship Programme  
IIIT Pune

  
Dr. Sanjeev Sharma  
HoD, CSE  
IIIT Pune






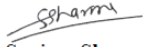
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Indian Institute of Information Technology Pune  
(An Institute of National Importance, under act of Parliament)  
Pune, Maharashtra, India

**CERTIFICATE OF COMPLETION**

*This is to certify that **PRATHIKSHA. M** of **A.D.M College for Women (Autonomous), Nagapattinam** has successfully completed summer internship in the field of **Machine Learning (Password Strength Classifier Using Machine Learning)** under the guidance of **Dr. Amruta Vishnu Lipare** from **20 September 2023 to 22 November 2023**.*

  
Dr. Amruta Vishnu Lipare  
Internship Supervisor  
IIIT Pune

  
Dr. Amruta Vishnu Lipare  
Coordinator- Internship Programme  
IIIT Pune


  
Dr. Sanjeev Sharma  
HoD, CSE  
IIIT Pune




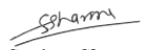
भारतीय सूचना प्रौद्योगिकी संस्थान पुणे  
Indian Institute of Information Technology Pune  
(An Institute of National Importance, under act of Parliament)  
Pune, Maharashtra, India

**CERTIFICATE OF COMPLETION**

*This is to certify that **SOWMIYA. M** of **A.D.M College for Women (Autonomous), Nagapattinam** has successfully completed summer internship in the field of **Machine Learning (Password Strength Classifier Using Machine Learning)** under the guidance of **Dr. Amruta Vishnu Lipare** from **20 September 2023 to 22 November 2023**.*

  
Dr. Amruta Vishnu Lipare  
Internship Supervisor  
IIIT Pune

  
Dr. Amruta Vishnu Lipare  
Coordinator- Internship Programme  
IIIT Pune

  
Dr. Sanjeev Sharma  
HoD, CSE  
IIIT Pune

**A.D.M. COLLEGE FOR WOMEN (AUTONOMOUS), NAGAPATTINAM – 611 001**  
(Accredited With 'A' Grade By NAAC 4<sup>th</sup> Cycle)

**PG AND RESEARCH DEPARTMENT OF ZOOLOGY**

**Online Seminar Certificates**





# A.D.M.COLLEGE FOR WOMEN (AUTONOMOUS)

(ACCREDITED WITH 'A' GRADE BY NAAC- 4<sup>th</sup> CYCLE)  
(AFFILIATED TO BHARATHIDASAN UNIVERSITY, TRUCHIRAPPALLI)  
NAGAPATTINAM - 611 001



## International Colloquium on 'Biovision 2024'- (ICB-24)

under DBT Star College Scheme

Department of Zoology

### CERTIFICATE

This is to Certify that Dr./Ms./Mr./Mrs./ S. ROSHINI DEWAN, B. Sc. Zoology,  
J.D.M. college for Women (A), Nagapattinam.

has participated in the International Colloquium on 'Biovision 2024'- (ICB-24) held on  
14<sup>th</sup> March 2024 organized by the Department of Zoology, A.D.M. College for Women (Autonomous),  
Nagapattinam, Tamilnadu and delivered a Guest Lecture / Chaired a Session / Presented a paper / Poster.  
Title:.....

**Dr.S.ANGELINA GLORITA  
PARIMALA**  
Convener

**Dr.R.SOPHIA PORCHELVI**  
COE & Programme Co-ordinator  
DBT STAR College Scheme

**Dr.R.ANBUSELVI**  
Principal



# A.D.M.COLLEGE FOR WOMEN (AUTONOMOUS)

(ACCREDITED WITH 'A' GRADE BY NAAC- 4<sup>th</sup> CYCLE)  
(AFFILIATED TO BHARATHIDASAN UNIVERSITY, TRUCHIRAPPALLI)  
NAGAPATTINAM - 611 001



## International Colloquium on 'Biovision 2024'- (ICB-24)

under DBT Star College Scheme

Department of Zoology

### CERTIFICATE

This is to Certify that Dr./Ms./Mr./Mrs./ S. ROSHINI DEWAN, B. Sc. Zoology,  
J.D.M. college for Women (A), Nagapattinam.

has participated in the International Colloquium on 'Biovision 2024'- (ICB-24) held on  
14<sup>th</sup> March 2024 organized by the Department of Zoology, A.D.M. College for Women (Autonomous),  
Nagapattinam, Tamilnadu and delivered a Guest Lecture / Chaired a Session / Presented a paper / Poster.  
Title:.....

**Dr.S.ANGELINA GLORITA  
PARIMALA**  
Convener

**Dr.R.SOPHIA PORCHELVI**  
COE & Programme Co-ordinator  
DBT STAR College Scheme

**Dr.R.ANBUSELVI**  
Principal

