

Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Pune

Department of Electronic Science
Certificate Course in Artificial Intelligence 2022-23

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Department of Electronic Science
Short Term Course Artificial Intelligence Report 2022-23

Course Name: Artificial Intelligence

No of Beneficiaries: 16

Name of Coordinator: Ms. Afroj M Dange

Name of Teacher In charge: Ms. Jayashree B Khilari

Objective: To prepare students for innovation in the area of Artificial Intelligence, in two ways: firstly, the creation of innovative techniques and methods within the research area of Artificial Intelligence and, secondly, the application of these techniques and methods relative to social and business reality as well as creating processes and innovative computer solutions.

The Department of Electronic Science has organized Short Term Course on "**Artificial Intelligence**" in the academic year 2021-22. The lecture has been started on 2nd February 2023 via online mode. There are 16 students enrolled in this course. The course has been taken by **Ms. Jayashree B Khilari, Department of Electronic Science**, under the guidance of the and Afroj M Dange.

The lectures were conducted offline mode. At the end of the lecture, feedback was also taken. The examination was also conducted on the date 3rd May 2023.

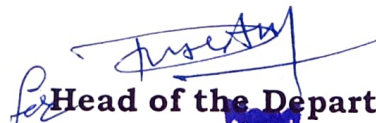
Students benefited from that course. The primary objective of this program is to enhance the skills of students in advanced domains of Information Technology keeping pace with the IT industry. The students may be exposed to the needs of the IT industry so that they can in turn nurture, educate and mold their career while they are still in college.

Outcomes: Students have gained extensive details of subject knowledge along with practical knowledge. Case studies and practical examples enrich concept on that topic and that will help to make projects.

Enclosed: 1] Photos of Short-term Course
2] BOS Meeting Report


Ms. Afroj M Dange
Course Co-ordinator




Head of the Department
Dept. of Electronic Science
A. A. College, Manchar

Certificate Course in Artificial Intelligence

Class: FYBSc

Co-ordinated by	Department of Electronic Science
Co-ordinator	Ms. A M Dange
Faculty	Mr. S A Belage Ms. J B Khilari
Batch Capacity	16
No of Students Admitted	16
Duration of the Course	3 Months
Scope of the Course <ul style="list-style-type: none">• To learn various types of algorithms useful in Artificial Intelligence (AI).• To convey the ideas in AI research related to emerging technology.• To introduce ideas and techniques underlying the design of intelligent computer systems	



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Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Pune
Department of Electronic Science

Short Term Course 2022-23

BOS Meeting Report

BOS meeting for short term course on Artificial Intelligence held on 17th November 2022 at 11.30 a.m. that are carried out through online mode.

The following persons were present in the meeting:

- 1] Mr. Belage S A, Chairman, DOES, AA College Manchar
- 2] Ms. Shivarkar S Y, Outside Expert (Attended Online)
- 3] Mrs. Patil S S, Outside Expert (Attended Online)
- 4] Ms. Dange A M, Member
- 5] Ms. Khilari J B, Member

At the onset, the Chairman welcomed the members to the in the meeting of BOS and placed the agenda for the deliberations of the members. The following deliberations were made as per the items of the circulated agenda:

1. Finalization of Syllabus for Short term course for FYBSc
2. Total number of credits and marks distribution for the course
3. Any other, with approval of the Chair

The members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were incorporated appropriately in the curriculum and syllabi.

The members approved the curricula for consideration of Faculty of Electronics. The matter regarding the implementation of this course for academic year 2022-23 was also discussed and it was decided that the new scheme can be implemented for FYBSc students for 3 credits on Artificial Intelligence.

Ms. Dange A M thanked all the members for their kind cooperation and meeting came to end up.



(Signature)

Head

Dept. of Electronic Science
A. A. College, Manchar

Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma
Babu Genu Science College Manchar, Pune

Syllabus

For
Short Term Course on Artificial Intelligence
in
Electronic Science

Prepared by

Board of Studies in Electronic Science

Members

- 1) **Miss. Sonali Shivarkar**
HOD, & Assistant Professor
S M Joshi College, Hadapsar-28
- 2) **Mrs. S S Patil**
Assistant Professor,
BJS ASC College, Wagholi Pune
- 3) **Mr. S.A Belage**
HOD & Associate Professor,
AAC Manchar
- 4) **Miss. A.M. Dange**
Assistant Professor,
AAC Manchar
- 5) **Miss. J. B. Khilari**
Assistant Professor,
AAC Manchar

DOES, AAC MANCHAR

3



Belage
Head

Dept. of Electronic Science
A. A. College, Manchar

Credit: 3

Artificial Intelligence

Total Lectures: 45

Course Objectives:

- To learn various types of algorithms useful in Artificial Intelligence (AI).
- To convey the ideas in AI research related to emerging technology.
- To introduce ideas and techniques underlying the design of intelligent computer systems

Course Outcomes:

After successful completion of this course, learner will be able to:

- Apply the suitable algorithms to solve AI problems
- Identify and apply suitable Intelligent agents for various AI applications
- Build smart system using different informed search / uninformed search or heuristic approaches
- Represent complex problems with expressive language of representation

Course Contents		
Unit I	Introduction to Artificial Intelligence	5Hrs
	1.1 Introduction to AI 1.2 Comparison of AI, Machine Learning, Deep Learning 1.3 Applications of AI 1.4 AI Techniques 1.5 Intelligent Agents, Agents and Environments, Structure of Agents	
Unit II	Problems, Problem Spaces and search	5 Hrs
	2.1 Defining problem as a State Space Search 2.2 Production System 2.3 Problem Characteristics 2.4 Search & Control Strategies 2.5 Problems – Water Jug problem, Missionary Cannibal Problem, Block words Problem, Monkey & Banana problem	
Unit III	Searching Algorithms	6 Hrs
	3.1 Uninformed Search Algorithms/Blind Search Techniques 3.1.1 Breadth-first Search 3.1.2 Depth-first Search 3.2 Informed (Heuristic) search Techniques 3.2.1 Generate-and-test 3.2.2 Simple Hill Climbing	



	3.2.3 Best First Search 3.2.4 Constraint Satisfaction 3.2.5 Means End Analysis 3.2.6 A* and AO*	
Unit IV	Knowledge Representation	7 Hrs
	4.1 Definition of Knowledge 4.2 Types of knowledge (Procedural and Declarative knowledge) 4.3 Approaches to Knowledge Representation 4.4 Knowledge representation using Propositional and Predicate logic 4.5 Conversion to clause form 4.6 Resolution in Propositional logic 4.7 Resolution in Predicate logic	
Unit V	Slot and Filler Structures	4 Hrs
	5.1 Weak structures (Semantic networks and Frame) 5.2 Strong structures (Conceptual dependencies and Script)	
Unit VI	Recent Trends in AI and Applications	4 Hrs
	6.1 Introduction to Machine Learning, 6.2 Types of Learning, (Supervised, Unsupervised and Reinforcement Learning), 6.3 Predictive Analytics (Weather Forecasting) 6.4 AI-Powered Chat bots (SBI card chat boot (ILA))	
Practical's		14 H
	Use of Chebyshev Distance Measurement Route Use of Array Use of operating point, entry point, exist point, Operator Program Water Jug problem, Missionary Cannibal Problem, Block words Problem, Monkey & Banana problem Program for Weak structures (Semantic networks and Frame) Strong structures (Conceptual dependencies and Script) Write a program of Predictive Analytics (Weather Forecasting) AI-Powered Chat bots (SBI card chat boot (ILA)) Use of AI	

Reference Books:

- 1) Artificial Intelligence- A Modern Approach (3rd edition)
- 2) Artificial Intelligence By Example-2nd edition
- 3) Artificial Intelligence Engines: A Tutorial Introduction to the Mathematics of Deep Learning
- 4) Artificial Intelligence and Machine Learning 1st Edition
- 5) A First Course in Artificial Intelligence
- 6) Artificial Intelligence: A Modern Approach , Russel & Norving Pearson Education

E-Reference:

- 1) <https://www.oracle.com/in/chatbots/what-is-a-chatbot/>
- 2) <https://www.dataversity.net/case-study-predictive-analytics-and-science-keep-an-eye-on-the-weather/>



Estd. 1966



* PRINCIPAL *
Dr. Kanade K. G.
M.Sc., M.Phil., Ph.D.

"Education through self help is our Motto." KARMAVEER
Rayat Shikshan Sanstha's

**ANNASAHAB AWATE ARTS, COMMERCE &
HUTATMA BABU GENU SCIENCE COLLEGE**
Manchar, Tal. Ambegaon, Distt. Pune, Maharashtra - 410 503.

ACCREDITED 'A' BY NAAC

ID. No. - PU/PN/ASC/017/1966 A.I.S.H.E. - C - 41221



* FOUNDER *
Padmabhushan
Dr. Karmaveer
Bhaurao Patil, D. Litt.

Ref. No. 702/2021-22

Date: 12/11/21

To,
Ms. S. Y. Shivarkar,
Assistant Professor,
S M Joshi College, Hadapsar
Pune 411028

**Subject: Invitation as a member of Board of Studies in the subject of short term
course in Artificial Intelligence.**

Respected Madam,

With reference to the subject mention above, we are happy to inform you that the department of Electronic Science of our college is going to start Short Term course in "Artificial Intelligence." The duration of course is one months. We cordially invite you as BOS member to design the syllabus for the course the meeting regarding the syllabus formation will be held on 13th November 2021 at 11.30a.m. We here by humbly request you spare the time at attend the meeting we also look forward to the positive response and co-operation from you.

Thanking you and with kind regards.

Yours Sincerely,



(Signature)
Principal

Annasaheb Awate College,
Manchar, Dist. Pune

Phone No. - S.T.D. (02133) Office : 223160 Principal : 225721 Computer : 223860 Resi.: 223312 Fax : 223160
Website : aacmanchar.com E-mail : annasahebawate2007@yahoo.com / aac.manchar@gmail.com skype : aac.manchar1

Estd.1966



* PRINCIPAL *
Dr. Kanade K. G.
M.Sc., M.Phil., Ph.D.

"Education through self help is our Motto." KARMAVEER

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**ANNASAHAB AWATE ARTS, COMMERCE &
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ID. No. - PU/PN/ASC/017/1966 A.I.S.H.E. - C - 41221



* FOUNDER *
Padmabhushan
Dr. Karmaveer
Bhaurao Patil, D. Litt.

Ref. No. 703/2021-22

Date : 12/11/21

To,

Mrs. S. S. Patil,

Assistant Professor,

BJS ASC College, Wagholi

Pune

Subject: Invitation as a member of Board of Studies in the subject of short term course in Artificial Intelligence.

Respected Madam,

With reference to the subject mention above, we are happy to inform you that the department of Electronic Science of our college is going to start Short Term course in "Artificial Intelligence." The duration of course is one months. We cordially invite you as BOS member to design the syllabus for the course the meeting regarding the syllabus formation will be held on 13th November 2021 at 11.30a.m. We here by humbly request you spare the time at attend the meeting we also look forward to the positive response and co-operation from you.

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Yours Sincerely,



(Signature)
Principal

Annasaheb Awate College,
Manchar, Distt. Pune

Phone No. - S.T.D. (02133) Office : 223160 Principal : 225721 Computer : 223860 Resi.: 223312 Fax : 223160
Website : aacmanchar.com E-mail : annasahebawate2007@yahoo.com / aac.manchar@gmail.com skype : aac.manchar1

Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Pune

Department of Electronic Science

NOTICE


Date – 01/02/2023


All students of F.Y.B.Sc. are hereby informed that the Short-Term Course on "Artificial Intelligence" will commence from 02/02/2023. All the students of this course should remain present for the classes and practicals as per the timetable. It is mandatory for all enrolled students.

Venue: Electronic Science Lab

Time: 12.15 PM to 1.15PM


Coordinator


Head
Dept. of Electronic Science
A. A. C. Manchar


Principal
Annasaheb Awate College,
Manchar, Dist. Solapur




Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Pune

Short Term Course on Artificial Intelligence
For
First Year B.Sc. Electronic Science
2022-23

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.00 - 11.00 AM			Theory	Theory	Practical	


Course - Coordinator


for Head
Dept. of Electronic Science
A. A. College, Manchar



Rayat Shikshan Santha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College Manchhar

Department of Electronic Science

Short Term Course - 2022-23

Certificate Course in Artificial Intillgence

Class: FYBSc

List of Students

Sr. No	Roll No	Student Name	Gender	Phone No.
1	4002	ABHANG PRASAD DILIP	M	9860927100
2	4003	ABHANG SAYALI SACHIN	F	8975216532
3	4004	BHAWARI ADINATH SANTOSH	M	9834938546
4	4005	CHASKAR ATHARV ANIL	M	8625851044
5	4008	CHIKHALE SHWETA TUKARAM	F	9657348127
6	4013	DHARADE VAISHALI SANTOSH	F	8208382074
7	4014	DHENGAL KARISHMA LALCHAND	F	7709962116
8	4020	GAWARI KISHORI TULASHIRAM	F	8010416728
9	4022	GHEVADE SIDDHIKA SANTOSH	F	9022407596
10	4023	GHULE SOMESH NILESH	M	8600580828
11	4026	HULE ASHWINI ANIL	F	7028700725
12	4030	KANADE ATAHARV MOHAN	M	9175336434
13	4032	KAROTE PALLAVI SUBHASH	F	9322737217
14	4035	LOHAKARE POOJA KANTARAM	F	9322342536



[Signature]
for Head
Dept. of Electronic Science
A. A. College, Manchhar

Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Pune

Department of Electronic Science
Certificate Course in Artificial Intelligence 2022-23

Name of Co-ordinator	Ms. A M Dange
Name of Teachers	Mr. S A Belage Ms. A M Dange Ms. J B Khilari
Lecture In charge	Ms. J B Khilari




Head of the Department
Dept. of Electronic Science
A.A. College, Manchar

Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College Manchur

Department of Electronic Science

Short Term Course - 2022-23

Certificate Course in Artificial Intillgence

Class: FYBSc

Theory Attendance

Sr. No	Roll No	Student Name	2/3/23	3/3/23	4/3/23	8/3/23	9/3/23	15/3/23	16/3/23	17/3/23	22/3/23	23/3/23	24/3/23	27/3/23	28/3/23	3/3/23	9/3/23
1	4002	ABHANG PRASAD DILIP	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
2	4003	ABHANG SAYALI SACHIN	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
3	4004	BHAWARI ADINATH SANTOSH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	4005	CHASKAR ATHARV ANIL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
5	4008	CHIKHALE SHWETA TUKARAM	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
6	4013	DHARADE VAISHALI SANTOSH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
7	4014	DHENGALE KARISHMA LALCHAND	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
8	4020	GAWARI KISHORI TULASHIRAM	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
9	4022	GHEVADE SIDDHIKA SANTOSH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	4023	GHULE SOMESH NILESH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
11	4026	HULE ASHWINI ANIL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
12	4030	KANADE ATAHV MOHAN	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	4032	KAROTE PALLAVI SUBHASH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
14	4035	LOHAKARE POOJA KANTARAM	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present



For Head
Dept. of Electronic Science
A. A. College, Manchur

Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College Manchur

Department of Electronic Science

Short Term Course - 2022-23

Certificate Course in Artificial Intelligence

Class: FYBSc

Theory Attendance

Sr. No	Roll No	Student Name	10/3/22	11/3/22	14/3	15/3	16/3	17/3	18/3	21/3	22/3	23/3	24/3	28/3	29/3	31/3	5/4/22	6/4/22
1	4002	ABHANG PRASAD DILIP	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
2	4003	ABHANG SAYALI SACHIN	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
3	4004	BHAWARI ADINATH SANTOSH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
4	4005	CHASKAR ATHARV ANIL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
5	4008	CHIKHALE SHWETA TUKARAM	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
6	4013	DHARADE VAISHALI SANTOSH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
7	4014	DHENGAL KARISHMA LALCHAND	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
8	4020	GAWARI KISHORI TULASHIRAM	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
9	4022	GHEVADE SIDDHIKA SANTOSH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
10	4023	GHULE SOMESH NILESH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
11	4026	HULE ASHWINI ANIL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
12	4030	KANADE ATAHARV MOHAN	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13	4032	KAROTE PALLAVI SUBHASH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
14	4035	LOHAKARE POOJA KANTARAM	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present



for Head
 Dept. of Electronic Science
 A. A. College, Manchur

Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College Manchur

Department of Electronic Science

Short Term Course - 2022-23

Certificate Course in Artificial Intelligence

Class: FYBSc

Practical Attendance

Sr. No	Roll No	Student Name	2/2/23	3/2/23	7/2/23	8/2/23	8/4/23	10/4	11/4	12/4	13/4	17/4	18/4	19/4	20/4	24/4	25/4
1	4002	ABHANG PRASAD DILIP	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang
2	4003	ABHANG SAYALI SACHIN	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang	Abhang
3	4004	BHAWARI ADINATH SANTOSH															
4	4005	CHASKAR ATHARV ANIL	Chaskar	Chaskar	Chaskar	Chaskar	Chaskar	Chaskar	Chaskar	Chaskar	Chaskar	Chaskar	Chaskar	Chaskar	Chaskar	Chaskar	Chaskar
5	4008	CHIKHALE SHWETA TUKARAM	Chikale	Chikale	Chikale	Chikale	Chikale	Chikale	Chikale	Chikale	Chikale	Chikale	Chikale	Chikale	Chikale	Chikale	Chikale
6	4013	DHARADE VAISHALI SANTOSH	Dharade	Dharade	Dharade	Dharade	Dharade	Dharade	Dharade	Dharade	Dharade	Dharade	Dharade	Dharade	Dharade	Dharade	Dharade
7	4014	DHENGALE KARISHMA LALCHAND	Dhenge	Dhenge	Dhenge	Dhenge	Dhenge	Dhenge	Dhenge	Dhenge	Dhenge	Dhenge	Dhenge	Dhenge	Dhenge	Dhenge	Dhenge
8	4020	GAWARI KISHORI TULASHIRAM	Gawari	Gawari	Gawari	Gawari	Gawari	Gawari	Gawari	Gawari	Gawari	Gawari	Gawari	Gawari	Gawari	Gawari	Gawari
9	4022	GHEVADE SIDDHIKA SANTOSH															
10	4023	GHULE SOMESH NILESH	Ghule	Ghule	Ghule	Ghule	Ghule	Ghule	Ghule	Ghule	Ghule	Ghule	Ghule	Ghule	Ghule	Ghule	Ghule
11	4026	HULE ASHWINI ANIL	Hule	Hule	Hule	Hule	Hule	Hule	Hule	Hule	Hule	Hule	Hule	Hule	Hule	Hule	Hule
12	4030	KANADE ATAHRV MOHAN															
13	4032	KAROTE PALLAVI SUBHASH	Karote	Karote	Karote	Karote	Karote	Karote	Karote	Karote	Karote	Karote	Karote	Karote	Karote	Karote	Karote
14	4035	LOHAKARE POOJA KANTARAM	Loake	Loake	Loake	Loake	Loake	Loake	Loake	Loake	Loake	Loake	Loake	Loake	Loake	Loake	Loake
15	4016	Gadhawe Atharv Somnath	Gadhawe	Gadhawe	Gadhawe	Gadhawe	Gadhawe	Gadhawe	Gadhawe	Gadhawe	Gadhawe	Gadhawe	Gadhawe	Gadhawe	Gadhawe	Gadhawe	Gadhawe



for Head
Dept. of Electronic Science
A. A. College, Manchur

Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College Manchar

Department of Electronic Science

Short Term Course - 2022-23

Certificate Course in Artificial Intillgence

Class: FYBSc

Practical Attendance

Sr. No	Roll No	Student Name	10/4	11/4	12/4	13/4	14/4	15/4	16/4	17/4	18/4	19/4	20/4	21/4	22/4	23/4	24/4	25/4	26/4	27/4	28/4	29/4
1	4002	ABHANG PRASAD DILIP	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
2	4003	ABHANG SAYALI SACHIN	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
3	4004	BHAWARI ADINATH SANTOSH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
4	4005	CHASKAR ATHARV ANIL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
5	4008	CHIKHALE SHWETA TUKARAM	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
6	4013	DHARADE VAISHALI SANTOSH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
7	4014	DHENGAL KARISHMA LALCHAND	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
8	4020	GAWARI KISHORI TULASHIRAM	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
9	4022	GHEVADE SIDDHIKA SANTOSH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
10	4023	GHULE SOMESH NILESH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
11	4026	HULE ASHWINI ANIL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
12	4030	KANADE ATAHV MOHAN	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13	4032	KAROTE PALLAVI SUBHASH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
14	4035	LOHAKARE POOJA KANTARAM	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present



for Manchar
Head
Dept. of Electronic Science
A. A. College, Manchar

Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Rayat Shikshan Sanstha's
Manchar, Pune
Department of Electronic Science
Certificate Course in Artificial Intelligence 2022-23

EXAM NOTICE

Date – 29/04/2023

All students of F.Y.B.Sc. are hereby informed that the Short-Term Course Exam on “**Artificial Intelligence**” will be held on **May 03, 2023**. All the students of this course should remain present for the Exam. It is mandatory for all enrolled students.



Course Co-ordinator



for **Head**
Dept. of Electronic Science
A. A. College, Manchar



Rayat Shikshan Santha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College Manchar

Department of Electronic Science

Short Term Course - 2022-23

Class: F.Y.B.Sc.

Certificate Course in Artificial Intillgence

Exam Attendance

Date: 3/5/2023

Sr. No	Roll No	Student Name	Signature
1	4002	ABHANG PRASAD DILIP	<u>Abhang</u>
2	4003	ABHANG SAYALI SACHIN	<u>Abhang</u>
3	4004	BHAWARI ADINATH SANTOSH	<u>Adinath</u>
4	4005	CHASKAR ATHARV ANIL	<u>Chaskar</u>
5	4008	CHIKHALE SHWETA TUKARAM	<u>Chikhale</u>
6	4013	DHARADE VAISHALI SANTOSH	<u>Dharade</u>
7	4014	DHENGALE KARISHMA LALCHAND	<u>Dhengale</u>
8	4020	GAWARI KISHORI TULASHIRAM	<u>Gawari</u>
9	4022	GHEVADE SIDDHIKA SANTOSH	<u>Ghevale</u>
10	4023	GHULE SOMESH NILESH	<u>Ghule</u>
11	4026	HULE ASHWINI ANIL	<u>Ashwini</u>
12	4030	KANADE ATAH RV MOHAN	<u>Kanade</u>
13	4032	KAROTE PALLAVI SUBHASH	<u>Karote</u>
14	4035	LOHAKARE POOJA KANTARAM	<u>Pooja Lohakare</u>

Instructor
Course - Co-ordinator



for Head
Dept. of Electronic Science
A. A. College, Manchar

Rayat Shikshan Santha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College Manchar

Department of Electronic Science

Short Term Course - 2022-23

Class: F.Y.B.Sc.

Certificate Course in Artificial Intillgence

Exam Result

Date: 3/5/2023

Sr. No	Roll No	Student Name	Marks out of 60	Grades
1	4002	ABHANG PRASAD DILIP	44	A
2	4003	ABHANG SAYALI SACHIN	36	B
3	4004	BHAWARI ADINATH SANTOSH	52	O
4	4005	CHASKAR ATHARV ANIL	52	A
5	4008	CHIKHALE SHWETA TUKARAM	36	B
6	4013	DHARADE VAISHALI SANTOSH	54	A
7	4014	DHENGALE KARISHMA LALCHAND	52	A
8	4020	GAWARI KISHORI TULASHIRAM	58	O
9	4022	GHEVADE SIDDHIKA SANTOSH		
10	4023	GHULE SOMESH NILESH	34	B
11	4026	HULE ASHWINI ANIL	56	O
12	4030	KANADE ATAHVR MOHAN		
13	4032	KAROTE PALLAVI SUBHASH	48	A
14	4035	LOHAKARE POOJA KANTARAM	38	B

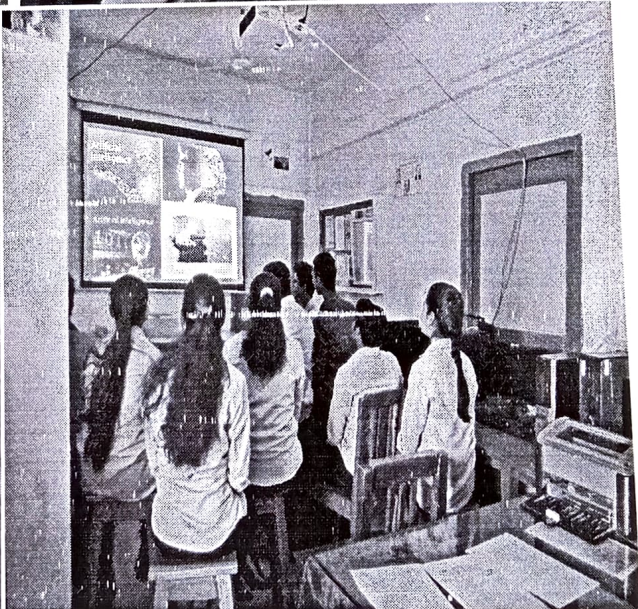
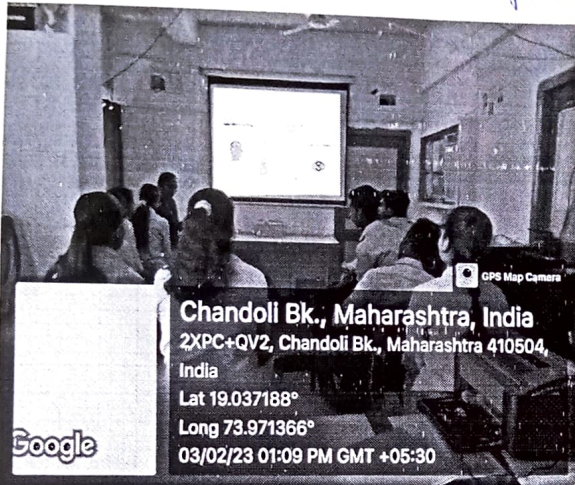
[Signature]
Course - Coordinator

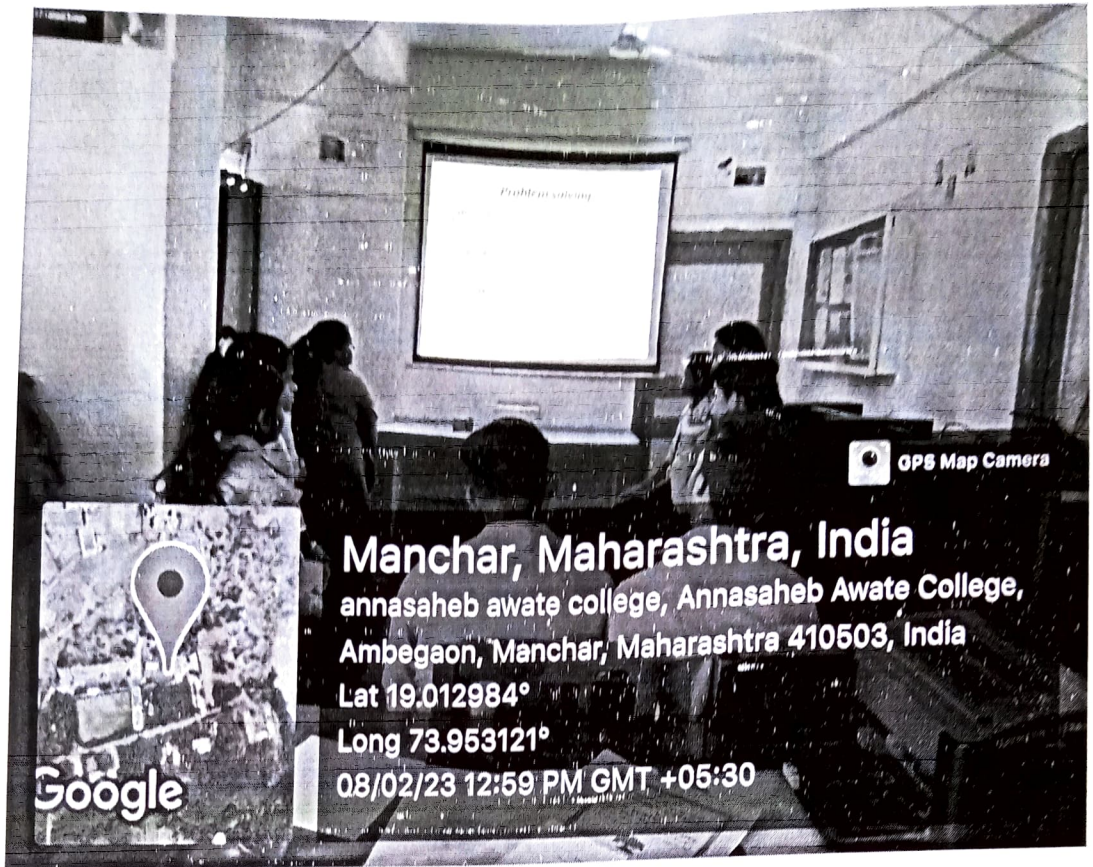


[Signature]
for Head
Dept. of Electronic Science
A. A. College, Manchar

Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science
College Manchar, Pune
Department of Electronic Science
Artificial Intelligence

photo Gallery





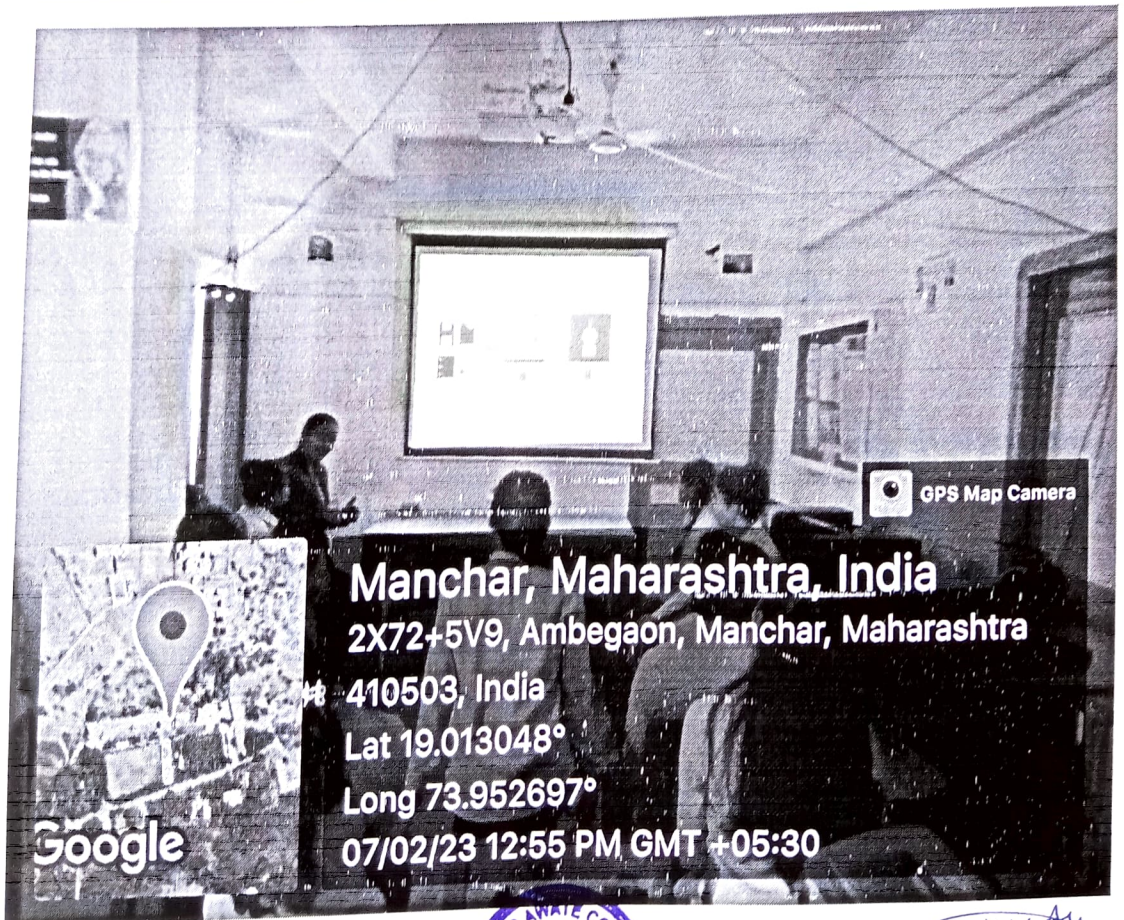
Manchar, Maharashtra, India

annasaheb awate college, Annasaheb Awate College,
Ambegaon, Manchar, Maharashtra 410503, India

Lat 19.012984°

Long 73.953121°

08/02/23 12:59 PM GMT +05:30



Manchar, Maharashtra, India

2X72+5V9, Ambegaon, Manchar, Maharashtra
410503, India

Lat 19.013048°

Long 73.952697°

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for **Head**
Dept. of Electronic Science
A. A. College, Manchar