

(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)

Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai - 400 086, Maharashtra, INDIA. Website: www.rjcollege.edu.in Email: rjcollege@rjcollege.edu.in Tel. No.: +91 22 25151763

College is recognized under Section 2(f) & 12(B) of the UGC Act. 1956

Affiliated to UNIVERSITY OF MUMBAI II NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

Notice

The department of Information Technology is conducting a value-added course on 'Artificial Intelligence' for 2 credits from 23rd October 2021 to 30th October 2021 for TY BSc. IT students. The course covers basic and advanced topics which come under the umbrella of Artificial Intelligence. Interested students are requested to register for the same in the department.

Al Value added course schedule 21-22:

Day	Date	Time	Unit	Topic	Faculty Member	Activity	Teaching + Activity	Duration	MCQ	
Saturday	23/10/2021	8:00 AM- 10:00 AM	1	Overview of Al	Archana Bhide	Reading	2+1 Hrs	3 Hrs		2
	23/10/2021	10:30 AM - 12:30 PM	В	Al Algorithm Part 1	Prachi Surve	Programming	2+2 Hrs	4 Hrs		2
Monday	25/10/2021	8:00 AM- 10:00 AM	II.	Al Algorithm Part 2	Aditi Prajapati	Programming	2+2 Hrs	4 Hrs		2
	25/10/2021	10:30 AM - 12:30 PM	В	Al Algorithm Part 3	Jeba Roselet	Programming	2+2 Hrs	4 Hrs		2
Tuesday	26/10/2021	8:00 AM- 10:00 AM	011	Al in Neural Networks	Bharati Bhole	Reading	2+1 Hrs	3 Hrs		2
	26/10/2021	10:30 AM - 12:30 PM	101	Al in Expert System	Priyasha Sawant	Reading	2+1 Hrs	3 Hrs		3
Wednesday	27/10/2021	8:00 AM- 10:00 AM	IV	Al in Fuzzy Logic System	Punam Sindhu	Reading	2+1 Hrs	3 Hrs		2
Thursday	28/10/2021	8:00 AM- 10:00 AM	fV.	Al in Robotics	Archana Bhide	Reading	2+1 Hrs	3 Hrs		3
Friday	29/10/2021	8:00 AM - 10:00 AM	IV	Al In NLP	Bharati Bhole	Reading	2+1 Hrs	3 Hrs		3
Saturday	30/10/2021	9:00 AM - 9:30 AM	Test	MCQ Test			N. W. Land			20
S. F. S. H. W. S.							Total:	30 Hrs		



RAMNIRANJAN RAMNIRANJAN JHUNJHUNWALA COLLEGE OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS) Ghalkopar (W), Mumbai-400 086, Maharashtra, INDIA

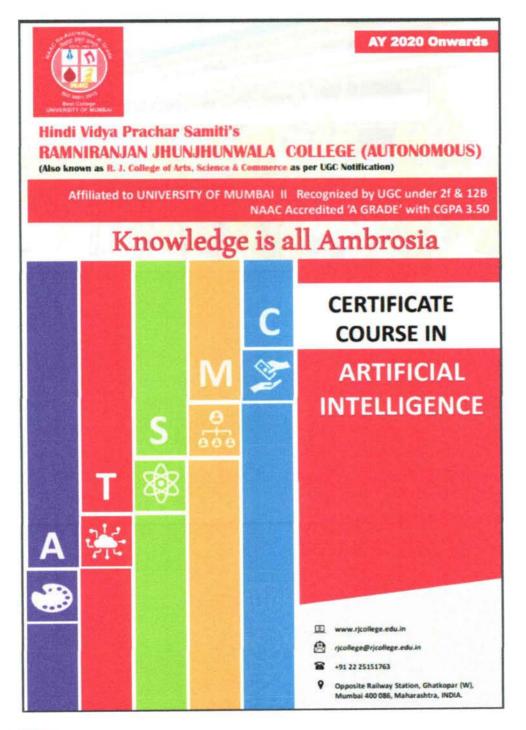


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CERTIFICATE COURSE IN ARTIFICIAL INTELLIGENCE The course is designed to give a complete overview of Artificial Intelligence. After completion of the course learners will be able to orient themselves in any specialized branch of Al. Overview: What is AI? History of AI, Goals of AI, Components of Unit I Al, Al Techniques, Al Applications, research areas, Al classification Intelligence and its types, Learning - difference between human and machine learning Agents and Environments: Introduction to different Al Agents, Terminology, Rationality, Structure of Al agents, Model based agents, goal based agents, Utility based agents, Environment, **Turing test** Al Algorithms : Single Agent Pathfinding problems, Search Unit II terminology, Brute Force Search, Depth First, Breadth First, Bidirectional search. Comparison of different test algorithm strategies, Informed Search Strategy, Local Search Algorithm: Hill climbing, local beam search, Simulated Annealing, Travelling Salesman problem Neural Networks: Artificial Neural Networks (ANN) and its Unit III structure, types of ANN, working, Machine Learning in ANN, Bayesian Networks, Applications of ANN Natural Language Processing: Components of NLP - NLU & NLG, Terminology used in NLP, Steps in NLP, Implementation aspects -Context free grammar, Top down parser Fuzzy Logics Introduction, FLS Architecture, Unit IV Application Areas, Advantages and disadvantages Expert Systems: Introduction - characteristics and capabilities, components, Limitations, applications, technology, Development of expert system, benefits Robotics: Introduction, Aspects, difference in Robotic programming and other Al programming, Robot Locomotion, components of Robot, Computer Vision, Tasks of Computer vision, Applications



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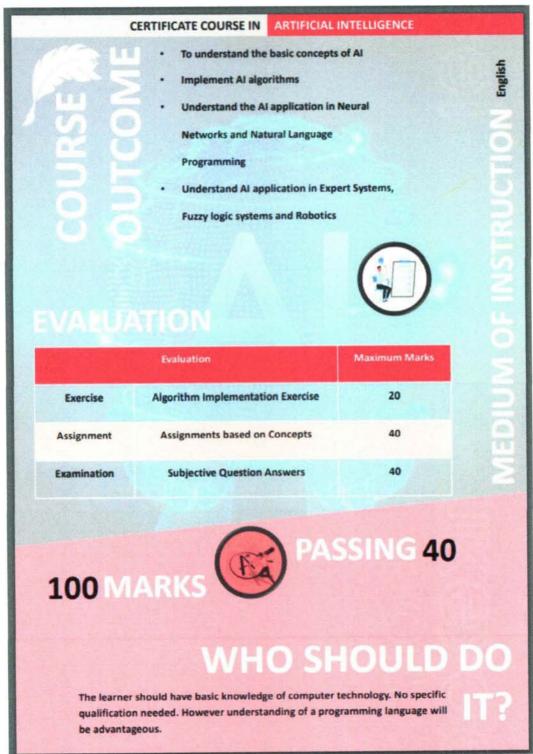


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OF ARTS, SCIEMTE & CO., MERCE (AUTOHORIOUS) Ghatkopar (W), Måmbal-400 086, Maharashtra, INDIA



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Department of Information Technology

Report On: Artificial Intelligence (Value Added Course)

Title: Artificial Intelligence

Course Code :RJITC04 Year of Offering :2021-2022

Organized by: Department of IT Duration :23-10-2021 to 30-10-2021

Number of students enrolled in the year: 174

Number of Students successfully completed the course in the year: 54

Teachers Involved:

Prof. Archana Bhide, Prof. Bharati Bhole, Prof. Jeba Roselet, Prof. Prachi Surve, Prof. Punam Sindhu, Prof. Priyasha sawant, Prof. Aditi Prajapati

Venue: Online Zoom Platform

Participants: Students from all streams

Content of session:

The department of Information Technology conducted two credit value added course on Artificial Intelligence from 23rd October 2021 to 30th October 2021. The course covered basic topics as well as various other topics which come under the umbrella of Artificial Intelligence. 54 students from the 184 registered participants attended the full course.



PRICIPAL

RAMNIFANJAN JHU HUNWALA COLLEGE
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Value Added Course in AI - List of students who completed the course

Sr. no	First Name	Last Name	Class
1	Ayush	Singh	T. Y. B.Sc. I.T.
2	Aditi	Madathingal	S Y. B.Sc. B.T.
3	Amit	Mishra	S Y. B.Sc. I.T.
4	Anjali	Yadav	T. Y. B.Sc. I.T.
5	Archit	Muni	T. Y. B.Sc. I.T.
6	Ashish	Upadhyay	T. Y. B.Sc. I.T.
7	Ayushi	Singh	T. Y. B.Sc. I.T.
8	Shubham	Bane	S Y. B.Sc. I.T.
9	Bebi	Yadav	T. Y. B.Sc. I.T.
10	Kirte	Bhatt	T. Y. B.Sc. I.T.
11	Chaitanya	Gatkal	S Y. B.Sc. B.T.
12	Geeta	Chaudhary	T. Y. B.Sc. I.T.
13	Komal	Singh	T. Y. B.Sc. I.T.
14	Divya	Rao	S Y. B.Sc. B.T.
15	Gouse	Shaikh	T. Y. B.Sc. I.T.
16	Aditya	Jaiswal	S.Y. B.Sc. I.T.
	Jignesha	Amrutkar	T. Y. B.Sc. I.T.
18	Saurabh	Kahar	S Y. B.Sc. I.T.
19	Kaushal	Kadam	F Y. B.Sc. B.T.
20	Kaustubh	Upadhyay	S Y. B.Sc. I.T.
21	Kesar	Maurya	T. Y. B.Sc. I.T.
22	Madhuban	Sahani	S Y. B.Sc. I.T.
23	Pranisha	Shetty	S Y. B.Sc. I.T.
24	Mansi	Ambhore	T. Y. B. Sc. B.T.
25	Meraj	Malik	T. Y. B.Sc. I.T.
26	Prajakta	Pashte	T. Y. B.Sc. I.T.
27	Rajnish	Pathak	S Y. B.Sc. I.T.



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28	Pradeep	Gupta	T. Y. B.Sc. I.T.
29	Prince	Dubey	S Y. B.Sc. I.T.
30	Revati	Raut	FY. B.Sc. B.T.
31	Riya	Bhiwandkar	S Y. B.Sc. B.T.
32	Riya	Yadav	T. Y. B.Sc. I.T.
33	Roshani	Vishwakarma	S Y. B.Sc. I.T.
34	Ruhhi	Adharkar	T. Y. B.Sc. I.T.
35	Ansari	Saifulla	T. Y. B.Sc. I.T.
36	Sandesh	Singh	S Y. B.Sc. I.T.
37	Sanika	Dhavale	F Y. B.Sc. I.T.
38	Satish	Gupta	S Y. B.Sc. I.T.
39	Shekhar	Patwa	T. Y. B.Sc. I.T.
40	Shruti	Tiwari	T. Y. B.Sc. I.T.
41	Shruti	Yeram	T. Y. B.Sc. I.T.
42	Shubham	Pal	S Y. B.Sc. I.T.
43	Vishal	Shukla	T. Y. B.Sc. I.T.
44	Shweta	Dalbhajan	S Y. B.Sc. I.T.
45	Anam	Siddiqui	T. Y. B.Sc. I.T.
46	Sneha	Pandey	S. Y. B. Voc. (FMS)
47	Samruddhi	Phadatare	S Y. B.Sc. I.T.
48	Umesh	Jaiswal	S Y. B.Sc. B.T.
49	Tanaya	Katkar	S Y. B.Sc. I.T.
	Durgesh	Yadav	S Y. B.Sc. I.T.
51	Suman	Yadav	S Y. B.Sc. I.T.
52	Aniket	Yadav	T. Y. B.Sc. I.T.
53	Omkar	Yewale	S Y. B.Sc. I.T.
54	Pratima	Yadav	T. Y. B.Sc. I.T.





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