

(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce) Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA. Tel No: +91 22 25151763 Website: www.ricollege.edu.in Email: rjcollege@rjcollege.edu.in Fax No: +91 22 25150957

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)

Departmental of Information Technology

Date: 05/10/2019

Notice

The Department of Information Technology will be organizing the Value Added course on Artificial Intelligence from 11/10/2019 To 03/02/2020 for TY BSc IT students The program will comprise 30 working hours. Interested students should give their names in the department of Information Technology office on or before 08/10/2019 .

In-Charge

Principal

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





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CERTIFICATE COURSE IN ARTIFICIAL INTELLIGENCE



Hindi Vidya Prachar Samiti was incepted on the auspicious day of Shri Krishna Janmashtami, 15th August 1938. A brain child of a visionary Late Shri Nandkishore Singh Jairamji, samiti was established with the objectives of catering to the educational needs of the Hindi speaking community. Ramniranjan Jhunjhunwala College came into existence in 1963, enabling a larger section of the society to take advantage of the facilities provided for higher education.

From 1999-2000 the College has added a number of self-financing courses like B.M.S., B.B.I., B.Sc. in Computer Science, Information Technology, Biotechnology, M.Sc. in Computer Science, Biotechnology and Information Technology as well as add on courses, which further hone the special skills of the students.

The college has been reaccredited with 'A' Grade by NAAC in 2014 with a CGPA 3.50 and received the Best College Award (2007-2008) of the University of Mumbai. The College has been bestowed with IMC "Ramkrishna Bajaj Performance Excellence Trophy", 2010.

The Principal of the college was awarded "Best Teacher" by Government of Maharashtra in 2011.

Government of Maharashtra conferred the college with JAANIVANCHA" (First in Mumbai Suburban- in 2013 and Second in Mumbai Suburban- in 2014) for safety of girls.

uration: 🍮

ourse Code: RJITC04

The course aims to teach the basic concept of Artificial Intelligence. It will facilitate the learner to differentiate between human learning and machine learning. It will give an overview of intelligence systems and different research areas in Al domain. A few applications of Al are elaborately explained in the course.

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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. Unit I Overview: What is AI? History of AI, Goals of AI, Components of 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** Unit II Al Algorithms: Single Agent Pathfinding problems, Search 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 Unit III Neural Networks: Artificial Neural Networks (ANN) and its structure, types of ANN, working, Machine Learning in ANN, Bayesian Networks, Applications of ANN OF NLP - NLU & NLG, Natural Language Processing: Components Terminology used in NLP, Steps in NLP, Imp entation aspects -Context free grammar, Top down parser Unit IV Fuzzy Logic: Introduction, FLS Archit cture, Application Areas, Advantages and disadvantages Expert Systems: Introduction - characteristics and capabilities, Limitations, applications, components, technology, Development of expert system, benefits Robotics: Introduction, Aspects, difference in Robotic programming and other Al programming, Robot Locomotion, PRINCIPAL components of Robot, Computer Vision, Tasks of Computer N JHUNJHUNWALA COLLEGI OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS Ghatkopar (W). Mumbai - 400 086, Maharashtra, INDIA

-accredited 'A' Grade

2019: Star College Status by DBT

vision, Applications



Re-accredited 'A' Grade

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Department of Information Technology

Artificial Intelligence - Value Added Course

Course Name : Artificial Intelligence Year of Offering: 2019-20

Duration: (30 Hours) 11/10/2019 To 03/02/2020

Resource Person: Pournima Bhangale

Number of students enrolled: T.Y. BSc.(I.T.) - 30

Number of students successfully completed the course - 25 Number of Teachers Involved with their Names: 1. Archana Bhide

Content of session:

The department of Information Technology has conducted two credits value added course on Artificial Intelligence from 11/10/2019 to 03/02/2020 (30 hrs). The course covered topics related to AI and algorithms.

In-Charge

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Principal

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Photographs of the event Value Added Course on "Artificial Intelligence"







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Department of Information Technology

Value Added Course on Artificial Intelligence List of students who have completed the course

Sr. No.	RollNo	Name of Student	StuID
1	3	VIKAS PRAKASH BISOI	17181913
2	4	/ANNAPURNA NAROTTAM CHANDELA	17181457
3	6	/JUI SHAHU DALVI	17182245
4	8	VIRAL MAHENDRA DODHIA	17181285
5	9	DEEPAK KUMAR RAMBAHAL GAUTAM	17181999
6	10	SATISHKUMAR JOKHURAM GUPTA	17181900
7	15	ROSHAN RAJENDRA JAISWAR	17182360
8	16	/SADHANA JAYRAM JAWAJI	17181294
9	17	/SUPRIYA SHAHAJI KAPASE	17181154
10	21	/BHAVIKA SUBHASH MAURYA	17181048
11	22	/SUNDARI RAMSURAT MAURYA	17181911
12	23	/PREETI RAKESH MISHRA	1718146
13	24	SHAUNAKJI SATYANAND MISHRA	17181372
14	25	/NEHA VIJAY MORE	1718201
15	27	/RUPALI VILAS PHADATARE	1718145
16	33	SHAIKH AFTAB ASHPAK ABIDA	1718416
17	35	/SIMRAN RAJKUMAR SHARMA	1718108
18	37	AJIT JAYPRAKASH SHUKLA	1718147
19	38	/MANISHA SHIVANAND SINGH	1718239
20	40	The state of the s	1718229
21	41	SHIVAM ASHISH SINGH	1718189
22		THE PART OF THE PA	1718152
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23		The state of the s	171814
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CERTIFICATE

This is to certify that Mr. / Ms. VIKAS PRAKASH BISOI of class TY BSc I.T has completed a value added course in Artificial Intelligence (RJITC04) of 30 hours conducted by Department of Information Technology from 11/10/2019 to 03/02/2020. He / She has satisfactorily completed the course with all given assignments / evaluation work.



Principal



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CERTIFICATE

This is to certify that Mr. / Ms. <u>SATISHKUMAR JOKHURAM GUPTA</u> of class TY BSc I.T has completed a value added course in Artificial Intelligence (RJITC04) of 30 hours conducted by Department of Information Technology from 11/10/2019 to 03/02/2020. He / She has satisfactorily completed the course with all given assignments / evaluation work.



In-charge

Principal



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2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009
2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College