UGC Sponsored
Two-week Online Refresher Course on
"ARTIFICIAL INTELLIGENCE"
(09-11-2020 to 23-11-2020)

Organized by
UGC – HUMAN RESOURCE DEVELOPMENT CENTRE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
KUKATPALLY, HYDERABAD, T.S.

About UGC-HRDC, JNTUH:

The UGC-Human Resource Development Centre (formerly known as UGC-Academic Staff College), Jawaharlal Nehru Technological University Hyderabad, was established in the year 2000 and sponsored by University Grants Commission, New Delhi. The UGC-Human Resource Development Centre organizes Orientation Programmes, Refresher Courses, Short Term Courses and Workshops on thrust areas for in-service teachers and also for newly appointed teaching faculty on a regular basis, to update the knowledge and skills in their respective fields.

Major Course Contents:

- **Introduction to Artificial Intelligence**
- **Basic Search Techniques**
- **Heuristic Search Algorithms**
- **Knowledge Engineering**
- **Markov Decision Process**
- **Fuzzy Logic Systems**
- **Reinforcement Learning**
- **Machine Learning**
- **Artificial Neural Networks, Feedforward Networks**
- **Competitive Learning and Self-organizing ANN**
- **Multi-layered Perceptron**
- **Back Propagation and Neural Networks**
- **Convolution Neural Networks, Fuzzy Neural Networks**
- **Deep Learning**

Eligibility:

- The faculty members from the departments of CSE, IT, Computational Linguists, EEE, ECE, ME, Mathematics and Bio-Informatics, working in Universities and Colleges.
- The faculty members have to be sponsored by the concerned Principal of the College / Head of the Institution for considering the participation in the Programme.

Registration Fee Particulars:

- The Registration fee for the course is **Rs. 1000/- (Rupees One Thousand Only)** to be paid through online payment mode.
  Certificate will be issued to the participants on successful completion of the course.

Dr. G.K. Viswanadh
Professor of Civil Engineering & Director
UGC-HRDC, JNTUH, Hyderabad

Coordinators

Dr. K. Shahu Chatrapati
Professor & Head, Dept. of CSE
JNTUH CEM, Manthani, T.S.

Dr. P. Swetha
Professor, Dept. of CSE
JNTUH CEJ, Jagityal, T.S.

How to apply:

- The faculty members desirous to participate in the program are requested to register their details through online mode at **http://jntuhhrdc.in/delegate-registration** on or before 31st October 2020.
  For further queries, please mail us at: **directorhrdcjntuh@jntuh.ac.in**

- Filling the online registration form is mandatory.

- A filled-in form of application duly signed by the faculty member and forwarded by the Head of the Institution and sponsorship certificate from the Head of the Institution, should be uploaded in HRDC portal on or before the last date.

Resource Persons:

Resource persons are drawn from IITs, NITs, IIITs and other State and Central Universities, Industries and R&D Establishments.

Selection Criteria:

Selection will be done based on *first-come-first-serve basis* to a maximum number of 40. The list of selected participants will be intimated through E-mail.

Important Dates:

Last date for the receipt of application through online	:	**31st October 2020**
Intimation of selection to the participants through e-mail	:	**02nd November 2020**
Course duration	:	**09th to 23rd November 2020**
Course Timings	:	**10.00 AM to 1.15 PM &**
		2.00 PM to 5.15 PM

Instructions to the Participants for Online Course:

(1) Filling the registration form is mandatory.
(2) Attendance for all the sessions, Completion of activities, assignments and online tests given by the Resource Persons are mandatory.
(3) All sessions will be conducted on WebEx.
(4) Link will be provided a day in advance.
(5) Limited seats are available on First-Come-First-Serve basis.

<u>**Address for all Correspondence:**</u>

Dr. G.K.Viswanadh

Professor of Civil Engineering &

Director, UGC-Human Resource Development Centre

Jawaharlal Nehru Technological University Hyderabad

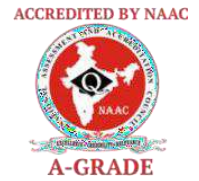**Kukatpally, Hyderabad – 500 085, Telangana State**

Please contact: 8008103814 (All working days from 10.30 am to 5.00 pm only)

or directorhrdcjntuh@jntuh.ac.in for more enquiries about the Refresher Course

Web: www.jntuhhrdc.in

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Establishment by Govt. Act No. 30 of 2008)
Kukatpally, Hyderabad – 500 085, Telangana State, India.

Dr. G.K. VISWANADH
B.E(Civil), M.E.(Hydraulics), Ph.D., F.I.E.
Professor of Civil Engineering &
DIRECTOR

Date: 04-11-2020

Dear Sir/Madam,

Thank you for your interest in participating in the **Two-week Online Refresher Course on "Artificial Intelligence"** scheduled from 09-11-2020 to 23-11-2020**,** being organized by UGC-Human Resource Development Centre (HRDC), JNTUH, Hyderabad.

Your registration has been accepted. Attendance for all the sessions and completion of the activities, assignments and online tests given by the Resource Persons are mandatory to get the certificate, failing which certificate will not be issued.

A WhatsApp group will be created with the selected participants for further communication. The participants who have not entered their WhatsApp number while registration, are requested to send their WhatsApp number to the mail id **directorhrdcjntuh@jntuh.ac.in** before 5.00 pm on 04-11-2020.

Steps to be followed to join the course

Please join JNTUH HRDC RC from your computer, tablet or smart phone from the below link:

https://jntuhhrdc.webex.com/jntuhhrdc/onstage/g.php?MTID=eaa047f27bc8f4428f0e78948199debf0

Date and time: Monday, 09th November -2020 @ 9:30 am

Meeting number: 176 402 1722

Password: RCAI!@#45

The link is Unique and don't share the link with anyone. If anyone attended the course with your link your registration will be cancelled.

Etiquette Guide or Ground Rules

Keep the following guidelines in mind to improve quality of the sessions.

- Do not enable **camera**
- Use a **headset with microphone** for optimal audio quality.
- **Mute the microphone** when not in use to avoid disturbance to others.
- If you have questions, **post on the chat window**
- If you definitely need to ask a question vocally, the organizer will unmute you.

Please join the course by 9.30 am on 09th November, 2020.

List of Participants:

S. No	Name Of The Candidate	Designation	Dept.	College	Address	State
1	Jaspal Singh	Assistant Professor	Electrical & Electronics Engineering	Panjab University SSG Regional Centre	Hoshiarpur, Punjab - 146021 Hoshiarpur	Punjab
2	Kola Surya Prakash	Assistant Professor	Computer Science	Dr. S.R.K.GOVT. Arts College	Oppsite pillaraya st. near State Bank of India YANAM	Puducherry
3	Sandhya E	Assistant Professor	Computer Science	GVPP Government First Grade college	Hospet Road Hagaribommanhalli Hagaribommnahalli	Karnataka
4	Renuka S	Assistant Professor	Computer Science	Smt Saraladevi Satishchandra Agarwal Government First Grade College,Ballary	SN pet main road, Bellary Bellary	Karnataka
5	Dr. Ganga Shirisha M S	Assistant Professor	Computer Science	Smt. Saraladevi Satishchandra Agarwal First Grade College (Autonomous), Ballari	SN Pet Ballari	Karnataka
6	Dadavali S P	Assistant Professor	Computer Science	Government First Grade College	Kengeri, Bangalore-560060 Bangalore	Karnataka
7	Dr. Shaik Jakeer Hussain	Associate Professor	Computer Science Engineering	Mahaveer Institute Of Science & Technology	Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad- 500 005,	Telangana
8	Khalid Hussain Fateing	Sr. Assistant Professor	Computer Science Engineering	North Campus, University of Kashmir	Delina, Baramulla, J and K Baramulla	Jammu and Kashmir
9	Husna Sultana	Assistant professor	Computer Science	Government First Grade College Tumkur	Vivekananda Nagar, Railway Station Link Road Tumkur	Karnataka
10	Mahesha A R	Assistant Professor and HOD	Computer Science	Government First Grade College	Railway station link road, Dr sree sree shivakumara Swamyji (B H road) road, Tumakuru - 572102	Karnataka
11	Channakeshava RN	Assistant Professor	Computer Science	Government Science College, Chitradurga	PB Road, Chitradurga Chitradurga	Karnataka
12	Dr. Nagesh Komati	Professor	Computer Science Engineering	Sri Sivani Institute Of Management & Science	village:Islampur Mandal: Gangadhara Dist: Karimnagar	Telangana
13	V.S.Vakula	Asst. Professor	Electrical & Electronics Engineering	JNTUK-University College of Engineering	Vizianagaram Dwarapudi (post) Vizianagaram-535003	Andhra Pradesh

14	Dr. G. Lalitha	Lecturer	Mathematics	SRR&CVR Govt Degree College	Machavaram, Vijayawada	Andhra Pradesh
15	Dr. Sabu Sebastian	Associate Professor	Mathematics	Nirmalagiri College	Nirmalagiri P.O., Kannur- 670701, Kerala	Kerala
16	Aruna Kumari Palisetty	Assistant Professor	Computer Science Engineering	JNTUK-University College of Engineering Vizianagaram	Dwarapudi (PO), Vizianagaram Vizianagaram	Andhra Pradesh
17	M. Dyva Ugnana Rao	Asst. Professor	Computer Science Engineering	BVRIT Hydearabad College Of Engineering For Womenq	Rajeev Gandhinagar Hyderabad	Telangana
18	Shwetha M	Assistant Professor	Computer Science	Government First Grade College, Koratagere	Koratagere-572129 Tumkur	Karnataka
19	Dr. Vidyottama Jain	Assistant Professor	Mathematics	Central University of Rajasthan	NH-8, Bandarsindri Kishangarh	Rajasthan
20	Nalini Bodasingi	Assistant Professor	Electronics & Communications Engineering	JNTUK-UCEV	Dwarapudi, Vizainagaram	Andhra Pradesh
21	Dr. Rumpa Saha	Assistant Professor	Electrical Engineering	Aliah University	Action Area IIA/27, New Town, Kolkata-700 160 Kolkata	West Bengal
22	Santosh G Kupendra	Assistant professor	Computer Science	Government Womens First Grade College Kalaburgi	Old jeevargi colony, kalaburgi Kalaburagi	Karnataka
23	Gangadharaiah S	Assistant Professot	Computer Science	S.R.S.M.N.G.F.G.C. Barkur	Udupi	Karnataka
24	Anurag Verma	Assistant Professor	Electrical & Electronics Engineering	Noida Institute of Engineering Technology	Plot No. 19, Knowledge Park- II, Institutional Area, Greater Noida (UP) - 201306 Greater Noida	Uttar Pradesh
25	Dr. Yogeesh N	Assistant Professor	Mathematics	Government First Grade College, Tumkur	Near Railway Station Tumkur Tumkur	Karnataka
26	Chitralekha N C	Assistant Professor	Computer Science	Government First Grade College, Kadur	Kadur - 577548, Chikkamagalur district Chikkamagalur	Karnataka
27	Dr Chandra Sekhar Sanaboina	Assistant Professor	Computer Science Engineering	JNTUK -University College of Engineering Kakinada	Pithapuram Road, Kakinada Kakinada	Andhra Pradesh
28	Dr. M. Safish Mary	Assistant Professor	Computer Science	St. Xavier's College (A)	21 North Highground Road, Palayamkottai- 627 002, Tamilnadu. Palayamkottai	Tamil Nadu
29	Manikandan S	Assistant Professor	Computer Science	Government First Grade College, K R Puram	K R Puram, Bengaluru	Karnataka
30	Madhavrao Hanmanthrao	Asst. Professor in Computer Science	Computer Science	Govt. First Grade College, Humnabad,	Humnabad, Dist Bidar 585330 Humnabad	Karnataka
31	Litan Kumar Das	Assistant Professor	Mathematics	Mahishadal Raj College	Mahishadal, Garkamalpur, Purba Medinipur Haldia	West Bengal
32	Dr. Sujata Mondal	Assistant Professor	Mathematics	Mankar College	Mankar, West Bengal, India Mankar	West Bengal
33	Alluru Ramya	Assistant Professor	Mechanical Engineering	BVRIT Hyderabad College Of Engineering For Women	Nizampet, Hyderabad, T.S.	Telangana

34	Mr. Shashidhara. B	Assistant professor	Computer Science	Sir M.V. Government Science College	Bommanakatte, Bhadravati-577302	Karnataka
35	Ambarish Kaneri	Assistant Professor	Computer Science	Government First Grade College-Humnabad-	Shivnagar humnabad-585330	Karnataka
36	Dr. Priya S	Assistant Professor	Computer Science	Government First Grade College	No 78;5th Cross Road,Robertsonpet, Kgf Kolar Gold Field	Karnataka
37	Nanda kumar K	Assistant Professor	Electronics & Communications	National Institute of Fashion Technology	NIFT Chennai Taramani Chennai	Tamil Nadu

Please join the course by 9.30 am on 09th November 2020.

1st Week Schedule

Date	10.00 to 11.30		11.45 to 1.15	2.00 to 3.30	3.45 to 5.15
09-11-2020 Monday	**10.00 to 10.30 am** **Inaugural Session**	**Introduction to Artificial Intelligence** By **Dr. L. Pratap Reddy** Profesor, Department of ECE JNTUH CEH, Kukatpally 9490098012 prataplr@jntuh.ac.in	**Types of AI and AI Techniques** **By** **Dr. J. Ujwala Rekha** Associate Professor, Department of CSE JNTUH CE H,Kukatpally. Ujwala_rekha@yahoo.com 9849116040	**Introduction to Python** **By** **L. Venkata Rama Raju** Founder & CEO DataJango Technologies Pvt. Ltd. rama@datajango.com 9490891289	**Introduction to Pandas & NumPy** **By** **L. Venkata Rama Raju** Founder & CEO DataJango Technologies Pvt. Ltd. rama@datajango.com 9490891289
10-11-2020 Tuesday	**Mathematical Essentials of Machine Learning** By **Dr. K V Kadambari** Assistant Professor, Dept. Of CSE, NIT Warangal. Ph: 9705460461 Email: kadambari@nitw.ac.in		**Statistical Learning** By **Dr. K V Kadambari** Assistant professor, Dept. Of CSE, NIT Warangal. Ph: 9705460461 Email: kadambari@nitw.ac.in	**Dimensionality Reduction** By **Dr. M. Srinivas** Assistant Professors, CSE Department, NIT Warangal. Mail: msv@nitw.ac.in Mobile: 8897064421	**Dimensionality Reduction** By **Dr. M Srinivas** Assistant Professors, CSE Department, NIT Warangal. Mail: msv@nitw.ac.in Mobile: 8897064421
11-11-2020 Wednesday	**Fundamentals of Machine Learning** By **Prof.G. Jaya Suma** HoD-IT,OSD Kurupam, JNTUK-University College of Engineering, Vizinagaram		**Predictive Analytics** By **Prof. G. Jaya Suma** HoD-IT,OSD Kurupam, JNTUK-University College of Engineering, Vizinagaram	**Unsupervised Learning** By **Dr. M Srinivas** Assistant Professors, CSE Department, NIT Warangal. Mail: msv@nitw.ac.in Mobile: 8897064421	**Unsupervised Learning** By **Dr. M Srinivas** Assistant Professors, CSE Department, NIT Warangal. Mail: msv@nitw.ac.in Mobile: 8897064421
12-11-2020 Thursday	**Artificial Neural Networks** By **Dr. G. Kiran Kumar** Professor and Head, Dept. of Information Technology MLR Institute of Technology, Hyderabad Email: ganipalli.kiran@gmail.com 9542333391 9440759766		**Network of Perceptrons** By **Dr. G. Kiran Kumar** Professor and Head, Dept. of Information Technology, MLR Institute of Technology Hyderabad Email: ganipalli.kiran@gmail.com 9542333391 9440759766	**Data Preprocessing for Machine Learning & Classification in Machine Learning** By **Dr. Kakelli Anil Kumar** Associate Professor, School of Computer Science and Engineering, Vellore Institute of Technology, Vellore, TN, India Email: anilsekumar@gmail.com 8602427698	**Case Study of Classification Techniques** By **Dr. Kakelli Anil Kumar** Associate Professor, School of Computer Science and Engineering, Vellore Institute of Technology, Vellore, TN, India Email: anilsekumar@gmail.com 8602427698
13-11-2020 Friday	**Supervised Learning** By **Prof. G. Jaya Suma** HoD-IT,OSD Kurupam, JNTUK-University College of Engineering, Vizinagaram. Phone No:8897344078 Email: gjsuma.it@jntukucev.ac.in		**Linear Models** By **Prof. G. Jaya Suma** HoD-IT,OSD Kurupam, JNTUK-University College of Engineering, Vizinagaram. Phone No:8897344078 Email: gjsuma.it@jntukucev.ac.in	**Feed forward Neural Networks** By **Prof. M. Shashi,** Dept of CSE, College of Engineering(A), Andhra University Phone No: 9949072880 Email:smogalla2000@yahoo.com	**Back Propagation Algorithm** By **Prof. M. Shashi,** Dept of CSE, College of Engineering(A), Andhra University Phone No: 9949072880 Email:smogalla2000@yahoo.com
14-11-2020 Saturday	**HOLIDAY**				

(Between columns, vertically: TEA BRAKE, LUNCH BRAKE, TEA BREAK)

DIRECTOR

2nd Week Schedule

Date	10.00 to 11.30	11.45 to 1.15		2.00 to 3.30		3.45 to 5.15
16-11-2020 Monday	**Deep Neural Networks with Tensor flow By Dr.Sanjay Chitnis** Prof. Of CSE & Chairman Dayanada Sagar University, Banglore, Karnataka. Email : sanjay.chitnis@gmail.com Ph. 9886379597	**Deep Neural Networks with Tensor flow By Dr.Sanjay Chitnis** Prof. Of CSE & Chairman Dayanada Sagar University, Banglore, Karnataka. Email : sanjay.chitnis@gmail.com Ph. 9886379597		**A Case study on Supervised Learning By Dr. Ramalingaswamy Cheruku** Assistant Professor, NIT, Warangal Email id: rmlswamy@nitw.ac.in 9573827143		**A Case study on Supervised Learning By Dr. Ramalingaswamy Cheruku** Assistant Professor, NIT, Warangal Email id: rmlswamy@nitw.ac.in 9573827143
17-11-2020 Tuesday	**Sequence network for Medical Signal Processing By Dr.Sanjay Chitnis** Prof. Of CSE & Chairman Dayanada Sagar University, Banglore, Karnataka. Email : sanjay.chitnis@gmail.com Ph. 9886379597	**Sequence network for Medical Signal Processing By Dr.Sanjay Chitnis** Prof. Of CSE & Chairman Dayanada Sagar University, Banglore, Karnataka. Email : sanjay.chitnis@gmail.com Ph. 9886379597	**T E A B R A K E**	**A practical orientation on DNN, CNN, RNN with Tensor flow-2 By L. Venkata Rama Raju** Founder & CEO DataJango Technologies Pvt. Ltd. rama@datajango.com 9490891289	**L U N C H B R A K E**	**A practical orientation on DNN, CNN, RNN with Tensor flow-2 By L. Venkata Rama Raju** Founder & CEO DataJango Technologies Pvt. Ltd. rama@datajango.com 9490891289
18-11-2020 Wednesday	**Ensembled Techniques By Dr. K V Kadambari** Assistant Professor, Dept. Of CSE, NIT Warangal. Ph: 9705460461 Email: kadambari@nitw.ac.in	**Ensembled Techniques By Dr. K V Kadambari** Assistant Professor, Dept. Of CSE, NIT Warangal. Ph: 9705460461 Email: kadambari@nitw.ac.in		**A case Study on Artificial Intelligence By Dr. Sanjaya Kumar Panda,** Assistant Professor, Department of Computer Science And Engineering, National Institute of Technology, Warangal Gmail id: sanjaya@nitw.ac.in 9861126947		**A case Study on Artificial Intelligence By Dr. Sanjaya Kumar Panda,** Assistant Professor, Department of Computer Science And Engineering, National Institute of Technology, Warangal Gmail id: sanjaya@nitw.ac.in 9861126947
19-11-2020 Thursday	**Hands on - Gesture Recognition part-I By Praful Vinayak** Btech IIT Madras, MS Stanford University CEO Dapplogix 8978972340 Praful@dapplogix.in	**Hands on - Gesture Recognition part-I By Praful Vinayak** Btech IIT Madras, MS Stanford University CEO Dapplogix 8978972340 Praful@dapplogix.in	**T E A B R E A K**	**Hands on - Gesture Recognition part-II By Praful Vinayak** Btech IIT Madras, MS Stanford University CEO Dapplogix 8978972340 praful@dapplogix.in	**T E A B R E A K**	**Hands on - Gesture Recognition part-II By Praful Vinayak** Btech IIT Madras, MS Stanford University CEO Dapplogix 8978972340 praful@dapplogix.in
20-11-2020 Friday	**A case study on Natural Language Processing By Gorthy Sai Srikanth** ML/AI Software Development Engineer Organization: AMD Email ID: sskanthgorthy@gmail.com Contact: +918190876216	**A case study on natural language Processing By Gorthy Sai Srikanth** ML/AI Software Development Engineer Organization: AMD Email ID: sskanthgorthy@gmail.com Contact: +918190876216		**Hands on - Regression Analysis By Dr. Venkateswara Rao Kagita** Assistant Professor, Department of Computer Science And Engineering, NIT, Warangal Mail id: venkat.kagita@nitw.ac.in Phone No: 6281746931		**Hands on - Regression Analysis By Dr. Venkateswara Rao Kagita** Assistant Professor, Department of Computer Science And Engineering, NIT, Warangal Mail id: venkat.kagita@nitw.ac.in Phone No: 6281746931
21-11-2020 Saturday	**Journey towards Multi-Layer perception By Mr. Sam Prabhu Dayal** Director,Chegg India Pvt Ltd. Visakhapatnam Phone No:9866198738 Email:samoguri@gmail.com	**Convolution Neural Networks. By Mr. Sam Prabhu Dayal** Director,Chegg India Pvt Ltd. Visakhapatnam Phone No:9866198738 Email:samoguri@gmail.com		**ML, Computer Vision and its Applications By Dr. Rajeev Srivastava** Professor and Head Dept. of CSE, IIT (BHU), Varanasi rajeev.cse@iitbhu.ac.in, rajeev_sri[AT]yahoo.com		**A Case Study on Face Recognition By Dr. Atul Negi** Professor, Ph.D., University of Hyderabad, India, SMIEEE atulcs@uohyd.ernet.in Phone: 91-040-23134031 **Exam**

| 23-11-2020
Monday | **Human Values and Ethics**
By
Dr. Pradeep Kumar Ramancharla
Registrar IIIT, Hyderabad
ramancharla[at]iiit[dot]ac[dot]in
9391131199 | | **Human Values and Ethics**
By
Dr. Pradeep Kumar Ramancharla
Registrar IIIT, Hyderabad
ramancharla[at]iiit[dot]ac[dot]in
9391131199 | | **Recurrent Neural Network**
By
Dr. K V Kadambari
Assistant Professor, Dept. Of CSE,
NIT Warangal.
Ph: 9705460461
Email: kadambari@nitw.ac.in | | **Valedictory** |

DIRECTOR

S. No.	Title of the Programme	Schedule	Sponsored by	No. of Days	No. of Participants registered
1	Two-week Online Refresher Course on "Artificial Intelligence" scheduled from	09-11-2020 to 23-11-2020	UGC	12	37

Photo: