

Declaration by the Candidate

The given information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the course for the entire duration. In case I am unable to attend the course, I am prepared to forego the refundable advance paid by me.

Date: _____ Signature of the Applicant

Sponsorship

Mr./Ms./Dr. _____ is an employee of the Institution and is hereby sponsored. He/she will be permitted to attend the programme, if selected. He/She will abide by the rules and regulations of the host Institute.

Date: _____ Seal: _____ Signature of the Sponsoring Authority

IMPORTANT DATES

Last date of Application : 15.11.2018
Date of intimation : 18.11.2018

The scanned copy of duly filled application form along with DD should be sent to the following address or email.

Dr. Ravinder Reddy,
Coordinator, Associate Professor, Department of CSE,
CBIT, Gandipet, Hyderabad-500075.
Email: ai-iot@cbit.ac.in

Shortlisted candidates will be intimated through email.
E-Mail: ai-iot@cbit.ac.in, ravindra_rdd@cbit.ac.in
Cell: 9999930011, 9441441810

ABOUT THE COLLEGE

Chaitanya Bharathi Institute of Technology is one of the premier Engineering Colleges in the self-financing category in Telangana. It has been accredited five times in 1998, 2004, 2008, 2013 and 2017. It is also the first ISO 9001-2008 certified Engineering Institute of Telangana. The total constructed area is 4.45,467 sq. ft. worth about few hundred of crores, spread over 30 acres. The grants received from AICTE are worth about Rs. 4.0 crores. The college offers 9 UG and 11 PG programmes. Brilliant and meritorious candidates with top EAMCET ranks are seeking admission in CBIT (especially in ECE, EEE, CSE, IT, Mechanical Engineering etc.) The pass percentage is consistent with 95% on an average out of which 80% of the students are passing either in distinction or in first class. More than 75% of the students are being placed in nationally and internationally reputed companies through campus placements. The remaining students pursue higher education or go for Govt. sector jobs.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering started in the year 1985 with an intake of 20 in Bachelor of Engineering programme. The intake gradually increased to 180 with three sections by the year 2013. M.Tech programme started in the year 2002 with an intake of 18 and increased to 36 from academic year 2011-12 onwards. The department was accredited by NBA-AICTE five times in the years 1998, 2004, 2008, 2013 & 2017. The Department is recognized as Research Center by Osmania University. Faculty members of the Department have considerable academic, industrial and research experience. The department has specialists in the fields of Machine learning, Image Processing, Security and IoT.

Professor and Head Department
Department of Computer Science & Engineering

A ONE WEEK REFRESHER PROGRAMME

On
"ARTIFICIAL INTELLIGENCE BASED
INTERNET OF THINGS"
26.11.2018 to 1.12.2018

Sponsored
by
AICTE - ISTE



Coordinator
Dr. R. Ravinder Reddy



Organized by
Department of Computer Science and
Engineering
**CHAITANYA BHARATHI INSTITUTE OF
TECHNOLOGY (Autonomous)**
(Affiliated to Osmania University)
Accredited by NBA-AICTE, NAAC-UGC
As ISO 9001:2008 Certified Institution
Chaitanya Bharathi (Post), Gandipet
Hyderabad - 500 075
Telangana State, India
www.cbit.ac.in

[Handwritten Signature]
PRINCIPAL
G. Narayana Institute of
Technology (for women)
Shaligram Hills, Hyderabad - 500 104

Preamble

Artificial Intelligence (AI) and Internet of Things (IoT) are two terms that project futuristic, scientific imagery and soon have been identified as drivers of business disruption. In fact, both are more real today than any time in the past. AI makes machines to learn from experience, adjust to new inputs and perform human-like tasks. Data is all around us. The Internet of Things (IoT) and sensors have the ability to harness large volumes of data, while AI can process in the data to automate tasks for a variety of business benefits.

Objective

- To join the faculty in the important area of industrial relevance through academic and industrial experts.
- To provide hands on experience on the usage of various tools, models, methodologies and techniques.
- To provide comprehensive idea of various industrial best practices in the field and make them adapt in their academic curriculum as case studies.
- Achieve competitive teaching and learning environment and channelize development with respect to academic qualifications.
- Acquire knowledge about current technological developments in AI and IoT.
- To apply the analytics on the IoT data for extracting patterns using intelligence.
- To learn the various IoT applications related to applying the intelligence and intelligent things.

Course Contents

- Overview of Artificial Intelligence
- Knowledge Representations
- Learning Techniques
- Knowledge in Learning
- Intelligent Agents
- Introduction to IoT
- Data Handling and Analytics
- Data Analysis Tools
- Case studies using IoT
- Applications and Trends in IoT

Please send the filled application to the ai-ai@cbit.ac.in / ravindra_rkk@cbit.ac.in and for any queries contact the coordinators. Cell: 9995990611

Resource Persons

Eminent Speakers from IIT Hyd, IIT Hyd, Osmania University, JNTUH, NIT, RCL, CDAC etc

Eligibility

The course is open to all the Engineering faculties and research scholars belonging to CSE, IT and BCB departments of AICTE recognized institutions. Admission will be offered subject to the availability based on the AICTE guidelines.

Accommodation & TA

Accommodation will be provided to the outstation participants on request basis and travelling allowances will be given as per AICTE guidelines (SAC).

Registration

Registration is free for faculties from AICTE approved institutions. Selected participants are requested to pay an amount of Rs. 500/- by Demand Draft drawn in favor of "The Principal, CBIT", payable at Hyderabad which is refundable to the participants on the final day of the Programme.

Organizing Committee

Chief Patron

Dr. V. Malakonda Reddy, President, CBIT

Patron

Smt. D. Sandhya Sree, Chairman DNP Committee, CBIT

Chairman

Dr. P. Ravinder Reddy, Principal, CBIT

Advisors

Dr. Y. Rama Devi, Professor, CSE

Dr. M. Swamy Das, Professor & Head, CSE

Coordinator

Dr. R. Ravinder Reddy,

Associate Professor, CSE, CBIT.


Cell: 9995990611

Co-ordinator

B. Ramana Reddy

Assistant Professor, CSE, CBIT.

Cell: 99441441810

 Professor and Head Department
Department of Computer Science & Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075. (T.S.)

REGISTRATION FORM

AICTE - ISTE Sponsored
ONE WEEK

REFRESHER PROGRAMME

On

"ARTIFICIAL INTELLIGENCE BASED
INTERNET OF THINGS"

26.11.2018 to 1.12.2018

Name Dr./Mr./Ms.:

Qualification:

Designation/Dept.:

Teaching Experience:

Address:

PIN Code:

Mobile No:

E-mail:

Is the institution approved by AICTE? YES/NO

Do you want accommodation? YES/NO

DD No: Date:


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PRINCIPAL
Chaitanya Bharathi Institute of
Technology (A) (for woman)
Gandipet, Hyderabad-500 075 (T.S.)
Shilpa Chaitanya Institute of Technology (A)
Gandipet, Hyderabad-500 104




ACITE - ISTE Sponsored ONE WEEK
REFRESHER PROGRAMME On
"ARTIFICIAL INTELLIGENCE BASED INTERNET OF THINGS"
 26-11-2018 to 01-12-2018
 Department of CSE, CBIT (A)



Schedule of the workshop

DAY & TIME	SESSION			
	SESSION-1 09:30 AM-11:00 AM	SESSION-2 11:10 AM - 12:40 PM	SESSION-3 01:20 PM - 02:50 PM	SESSION-4 03:00 PM - 04:30 PM
Day 1, MONDAY 26 th November 2018	Registration & Inaugural	Keynote Dr. C. Krishna Mohan Professor, IIT, Hyderabad.	Overview of AI Dr. Sameen Fatima Ex. Principal, UCE, Osmania University	Trends & Challenges in AI Madhu Vadlalani Kony Labs
Day 2, TUESDAY 27 th November 2018	Learning Techniques Dr. C. R. K. Reddy, Professor & Head, MGIT	Knowledge Representation Dr. M. Indiramma, Professor, BMS, Bangalore.	NN & its Applications Dr. K. Sagar Professor, CSE, CBIT	Statistical Learning Using R tutorial Dr. Sai Prasad, SCIS, HCU.
Day 3, WEDNESDAY 28 th November 2018.	IoT Introduction Dr. Pratap Reddy, professor, ECE Dept, JNTUH	Applied AI An Industry Perspective Sai Panyam Founder Idealandis Technologies Private Limited	Intelligent of Things (agents) Dr. R. Ravinder Reddy Associate Professor, CBIT	Stress Management Sister BK, Geethanjali, Hyderabad
Day 4, THURSDAY 29 th November 2018	A Walkthrough IoT protocols, Applications & case studies Dr. S. V. Srikanth, Principal Technical Officer, CDAC R&D	IoT Idea to Prototype to Product (I-P-P) Dr. S. V. Srikanth Principal Technical Officer, CDAC R&D	IoT Analytics : tutorial Dr. DV IN Somayajulu, Professor, NIT, Warangal	Data Analytics : Tutorial Lohendra Devangan, Manager, Data Science team, Core Computing
Day 5, FRIDAY 30 th November 2018	Trust Computation Model Using Hysteresis Curve for Wireless Sensor Networks : case Study Dr. Alok Negi, Professor, SCIS, HCU, Hyd	Brain Computer Interface Present and The Future: Case Study Dr. E. Damodar Reddy, NIT Goa.	Nature Inspired Algorithms: Wireless Sensor Networks Dr. E. Damodar Reddy, NIT Goa.	IoT Privacy & Security Dr. M. Swarnylax, Professor & Head, CSE, CBIT
Day 6, SATURDAY 1 st December 2018	Lifetime Maximization in Directional sensor Networks: case Study Dr. Alok Singh, Professor SCIS, HCU, Hyd	Test/Feedback Dr. Y. B. Rama Devi/ Dr. R. Ravinder Reddy	IoT Trends & Applications Prof. K. Shyamala, Head, CSE, UCE, Osmania University	Validatory Dr. E. Damodar Reddy, NIT Goa Prof. K. Shyamala, Osmania University.


 G. Narayana Murthy, Director
 Technical Education Institute of
 Hyderabad (for woman)
 (T.E.I.W.)
 Shaikhanpur, Hyderabad - 500 104

Brief report on AICTE – ISTE sponsored one-week refresher programme

On

“Artificial Intelligence Based Internet Of Things”

Organized by Dept. of CSE, CBIT, Hyderabad from 26/11/2018 to 1/12/2018 .

Date: 3/12/2018

During the 6-day refresher program eminent resource persons from academia and industry shared their knowledge and hands on expertise on **Artificial Intelligence Based Internet Of Things**.

Day-1: (26/11/2018)

Forenoon, First session was taken by Dr.C.Krishna Mohan, IIT, Hyderabad on Pattern Recognition and research problems which they are trying to solve at Vision Lab, IIT, Hyderabad.

Afternoon, first session was taken by Dr.Sameen Fatima, OU on “Overview of Artificial Intelligence”. She discussed on Turing Test, goals of AI and where AI can be used.

Afternoon, second session was taken by Mr.Madhu Vadlamani, Kony Labs on “Trends and Challenges in AI”.

Day-2: (27/11/2018)

Forenoon, first session was taken by Dr.C.R.K.Reddy, MGIT on “Learning Techniques”, overview of what is required for learning, supervised, unsupervised and reinforcement learning techniques were discussed.

Forenoon, second session was by Dr.M.Indramma, BMS, Bangalore on “Knowledge Representation in AI”. Case studies were dealt on preposition logic, predicate logic and data semantics.

Afternoon, first session was on “Neural Networks and it’s applications” by Dr.K.Sagar, CBIT.

Afternoon, second session was a tutorial on “Statistical Learning using R” by Dr.Sai Prasad, HCU. He has performed statistical analysis on Iris database using linear regression algorithm.

Day-3: (28/11/2018)

Forenoon, first session was on “IoT Introduction” by Dr.I.Pratap Reddy, JNTUH. Various requirements of IoT in day to day life were discussed.

Forenoon, second session was on “Applied AI – An Industry Perspective”, Mr.Sai Panyam, Idealantics Technologies Pvt. Ltd.

Afternoon, first session was on “Intelligent of Things (agents)” by Dr.R.Ravinder Reddy, CBIT.

Dr. R. Ravinder Reddy
Institute of
Technology & Science (for woman)
JNTU ANANTHAPUR
Shailputh, Hyderabad - 500 104

Afternoon, second session was on "Stress Management" by Sister BK Geethanjali, Brahma Kumari, Hyd .

Day-4: (29/11/2018)

Forenoon, first session was "A Walkthrough on IoT Protocols, Applications and Case Studies" by Dr.S.V.Srikanth, CDAC.

Forenoon, second session was by Dr.S.V.Srikanth, CDAC, on "IoT Idea to Prototype Product (I-P-P)". Insight of how an ideation can be converted to prototype, from prototype to product is given.

Afternoon, first session was on "IoT Analytics" by Dr.DVLN Somayajulu, NIT, Warangal. Sir focused on need of analytics on data collected through IoT sensors.

Afternoon, second session was on "Data Analytics" by Lokendra Devangan, Core Computing. How analytics is performed on data collected by sensors is discussed.

Day-5: (30/11/2018)

Forenoon, first session was on "Trust on Wireless Sensor Networks" by Atul Negi, HCU.

Forenoon, second session was by Damoder Reddy, NIT Goa on "Brain Computer Interface Present and the Future: Case Study".

Afternoon, first session was take by Damoder Reddy, NIT Goa on "Nature Inspired Algorithms: Wireless Sensor Networks".

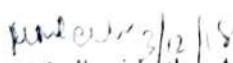
Afternoon, second session was on "IoT Privacy and Security" by Dr.M.Swamydas, CBIT.


Day-6: (1/12/2018)

Forenoon session was on "Lifetime Maximization in Directional Sensor Networks: case study" by Dr.Alok Singh, HCU.

Afternoon session was on "IoT Applications & Trends" by Prof.K.Shyamala, OU. Sh discussed on the applications of IoT at various walks of life.

Submitted by


Mrs. M. Madhuri Latha, Asst. Prof.


G. Narayana Institute of
Technology & Science (for women)
Sharda, Hyderabad - 500 104

Mh
HOD CSE

3/12/18