



JB INSTITUTE OF ENGINEERING & TECHNOLOGY

UGC Autonomous

Accredited by NAAC, Approved by AICTE & Permanently Affiliated to JNTUH

Department of Computer Science and Engineering

The convener and faculty members of CSE department

cordially invite you for the inauguration of the

Six days Faculty Development Program on

DEEP LEARNING

On 05th April, 2021@ 09.30 AM

Venue: Placement Seminar Hall, Main Block, JBIET

Dr. P.Krishnamachary

Principal, JBIET

Will preside over the function

Dr. Md.Salauddin

Dean Academics, JBIET

Will felicitate the function

Dr. P. Srinivasa Rao

The Convener

HOD – CSE

All are Welcome!



J.B. INSTITUTE OF ENGINEERING & TECHNOLOGY
(UGC AUTONOMOUS)

Bhaskar Nagar, Moinabad Mandal, R.R. District, Hyderabad -500075



Six Days
Faculty Development Program

On
DEEP LEARNING
(5th to 10th APRIL 2021)

Organized by
Department of Computer Science and Engineering

RESOURCE PERSONS

1. Mr.C.Srikanth, CVR
2. Mr.T.Sampath Kumar, CVR
3. Dr.H.S.Saini, GNIT
4. Mr.Biswanath Dey, NITS
5. Ms.N.Tulasi Chitra, MLR

CO-ORDINATORS

1. Mrs. P. Uma Devi
Assoc. Professor, CSE
2. Mr. R. Srikanth
Assistant Professor, CSE
3. Ms. M. Renuka
Assistant Professor, CSE

ORGANIZING COMMITTEE

FACULTY

1. Dr.Vijayanand, Assoc.Professor
2. Dr. G. Arun Sampaul Thomas
Assoc.Professor, CSE
3. Mr. Abhay Kumar
Assoc. Professor, CSE

4. Mr. D. Himagiri, Asst.
Professor, CSE

CHIEF PATRONS

1. Shri. J. V. Krishna Rao,
Honourable Secretary,
J. B. Educational Society.

PATRONS

1. Dr. Niraj Upadhyaya,
Professor & Dean R&D
2. Dr.Dr.S.Sudhakara Reddy,
Principal, JBIET.

ORGANIZER

Dr. P. Srinivasa Rao, HOD – CSE

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Department of Computer Science
and Engineering



**J.B. INSTITUTE OF ENGINEERING &
TECHNOLOGY**

(UGC AUTONOMOUS)
BHASKAR NAGAR, YENKAPALLY (V), MOINABAD (M),
R. R. DIST., HYDERABAD.

Department of Computer Science and
Engineering



**A Six Days Faculty Development
Program
on**

“DEEP LEARNING”

5th – 10th APRIL 2021

**AT
DEPARTMENT OF CSE, JBIET**

About JBIET

To be spiritually conscious, socially responsible and morally upright is the core dimension of JB Education Society. We know that success is not the destination, but a journey believing in the philosophy that victory belongs to the most preserving, while thanking the Almighty for those countless blessings. JBIET is an Autonomous Institution of the J.B. Group and is now striving to be a centre for Outcome Based education.

OVERVIEW

Today's market is flooded with an array of Big Data tools and technologies. They bring cost efficiency, better time management into the data analytical tasks.

Here is the list of best big data tools and technologies with their key features and download links. This big data tools list includes handpicked tools and software's for big data.

The duration of this workshop will be five consecutive days, with eight hours session each

day in a total of fourty hours, properly divided into theory and hand on practical sessions. At the end of this workshop, a test will be conducted for each participant. Participant will get the certificate.

Workshop Highlights

- Articulate the main concepts, key technologies, strengths, and limitations of cloud computing and the possible applications for state-of-the-art cloud computing.
- Identify the architecture and infrastructure of cloud computing, including saas, paas, iaas, public cloud, private cloud, hybrid cloud, etc

PROGRAM DETAILS:

Schedule	DAY 1(05-04-2021)
9:30-10:00	Inauguration
10:00-12:30	Introduction, Feed forward Neural Networks, Gradient Descent and the back propagation algorithm

01:30-04:00	Unit Saturation, ReLU Heuristics for avoiding bad local minima
	DAY 2(06-04-2021)
09:30-12:30	Heuristic for faster training
01:30-4:00	Nesters accelerated gradient Descent, Regularization
12:30-01:30	DAY 3(07-04-2021)
9:30– 12:30	Convolutional Neural Networks
01:30-04:00	Recurrent Neural Networks
12:30-01:30	DAY4(08-04-2021)
9:30– 12:30	Deep Unsupervised Learning: Autoencoders, Variational Autoencoders
01:30-04:00	Adversarial Generative Networks, Autoencoder and DBM
	Day 5(09-04-2021)
9:30– 12:30	Applications of Deep Learning to Computer Vision: Image Segmentation, Object Detection
01:30-04:00	Automatic Image Captioning, Image generation with Generative Adversarial Networks
	Day 6(10-04-2021)
9:30– 12:30	Applications of Deep learning to NLP
01:30-03:00	Exam
03:00-04:00	Valedictory Function



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JBET/CSE /CIRCULAR/2020-21/
Semester: even

AC YEAR: 2020-21
Date:25/03/2020

CIRCULAR/

We feel great pleasure to inform you that Department of Computer Science and Engineering, JBIET is organizing a six days Faculty Development Program on Deep Learning. The Faculty Development Program will be conducted from 05-04-2021 to 10-04-2021 at JBIET.



HOD CSE

Dr.P.Srinivasa Rao

HEAD OF DEPARTMENT
Computer Science & Engineering
J.B. Institute of Engineering & Technology
Yenkampally(V), Moinabad(M), TS-500075

Circulated to:

1. Principal
2. Dean Academic
3. Staff
4. Admin office



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Six days Faculty Development Program on Deep Learning

5th to 10th APRIL 2021

Schedule	DAY 1(05-04-2021)
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12:30-01:30	Lunch
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

A Six Days Faculty Development Program

on

“DEEP LEARNING”

5th – 10th APRIL 2021

ATTENDANCE

S.No	Name	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
1	Dr. G.Appa Rao Naidu	ARN	ARN	ARN	ARN	ARN	ARN
2	Dr. NirajUpadhayaya	NJ	NJ	NJ	NJ	NJ	NJ
3	Dr. Putti Srinivasarao	P	P	P	P	P	P
4	Dr. Vijayanand R	VR	VR	VR	VR	VR	VR
5	Dr. G ArunSampaul Thomas	L	L	L	L	L	L
6	Mr. G.Sreenivasulu	GS	GS	GS	GS	GS	GS
7	Mr. Abhay Kumar	AK	AK	AK	AK	AK	AK
8	Mr. A.Ramesh Babu	AR	AR	AR	AR	AR	AR
9	Mr. B.Nageswara Rao	NR	NR	NR	NR	NR	NR
10	Mr. Bijaya Kumar Biswal	BK	BK	BK	BK	BK	BK
11	Ms. P.Uma Devi	UD	UD	UD	UD	UD	UD
12	Mr. M.Naveen Babu	NB	NB	NB	NB	NB	NB
13	Mr. D.Himagiri	DR	DR	DR	DR	DR	DR
14	Ms. D.Jyothsna	DS	DS	DS	DS	DS	DS
15	Mr. Srikanth Kama	SK	SK	SK	SK	SK	SK
16	Ms. M Renuka	MR	MR	MR	MR	MR	MR
17	Mr. R Srikanth	RS	RS	RS	RS	RS	RS
18	Ms. Soujanya G	SG	SG	SG	SG	SG	SG
19	Mr. P.PremKumar	PK	PK	PK	PK	PK	PK
20	Mr.S.Sathish kumar	SK	SK	SK	SK	SK	SK
21	Mr.P.Vamshi	P	P	P	P	P	P
22	Mr.Tanyyala Sai Kumar	TSK	TSK	TSK	TSK	TSK	TSK
23	Mr.DharmaTeja	DT	DT	DT	DT	DT	DT
24	Mr. NeelamThirumalarao	NT	NT	NT	NT	NT	NT
25	Mr.E.Rajesh	ER	ER	ER	ER	ER	ER
26	Mr.Md.ChandBasha	CB	CB	CB	CB	CB	CB
27	Mr.A.Raju	AR	AR	AR	AR	AR	AR
28	Mrs.P.Sandhya Rani	SR	SR	SR	SR	SR	SR
29	Mrs.M.MaryEligbeth	ME	ME	ME	ME	ME	ME
30	Mr.G.Sravan Kumar	SK	SK	SK	SK	SK	SK



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S.No	Name	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
31	Mrs.K.Madhuravani	KM	KM	KM	KM	KM	KM
32	Mrs.Joshi Padma	JP	JP	JP	JP	JP	JP
33	Mr.D.Rajashekar Reddy	DR	DR	DR	DR	DR	DR
34	Mr.A.Kannaiah	AK	AK	AK	AK	AK	AK
35	Mrs.A.Swathi	AS	AS	AS	AS	AS	AS
36	Mr.Ch.Deeven Kumar	Deeven	Deeven	Deeven	Deeven	Deeven	Deeven
37	Mr.K.Ramakrishna	Rama	Rama	Rama	Rama	Rama	Rama
38	Mr.K.sangeetha	Sangeetha	Sangeetha	Sangeetha	Sangeetha	Sangeetha	Sangeetha
39	Mrs.AousulaAnusha	Anusha	Anusha	Anusha	Anusha	Anusha	Anusha
40	Mr.L.Raghu Kumar	Raghu	Raghu	Raghu	Raghu	Raghu	Raghu
41	Mrs.SowjanyaRamishetty	SR	SR	SR	SR	SR	SR
42	Mrs.B.N.Jyothi	Jyothi	Jyothi	Jyothi	Jyothi	Jyothi	Jyothi
43	Mr.Anil	Anil	Anil	Anil	Anil	Anil	Anil
44	Mrs.K.Sneha Reddy	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
45	Mrs.M.Anusha	Anusha	Anusha	Anusha	Anusha	Anusha	Anusha
46	Mrs.A.Pavani	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani
47	Mrs.P.Manjula	Manjula	Manjula	Manjula	Manjula	Manjula	Manjula
48	Mrs.Manisha	Manisha	Manisha	Manisha	Manisha	Manisha	Manisha
49	Mr.Raghuram Keesara	Raghu	Raghu	Raghu	Raghu	Raghu	Raghu
50	Mr.B.Thikkanna	Thikkanna	Thikkanna	Thikkanna	Thikkanna	Thikkanna	Thikkanna
51	Mrs.Janumala Emeena	JE	JE	JE	JE	JE	JE
52	Mr.Mallegopu Malleesh	Malleesh	Malleesh	Malleesh	Malleesh	Malleesh	Malleesh
53	Mr.Challagondla Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh

HOD CSE

Dr. Putti Srinivasarao

HEAD OF DEPARTMENT
Computer Science & Engineering
J.B. Institute of Engineering & Technology
Yenkampally(V), Moinabad(M), TS-500075.



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P.O. Himayath nagar, R.R. District, Hyderabad – 500 075

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FORMAT – B

INTERNAL / ~~EXTERNAL~~ EVENT REPORT

Event-CSE/2020-21/

1. Name of the Event: (Please tick in the Box)

A.WORKSHOP ☐ B.SEMINARS ☐ C.FDP ☐ D. Guest Lecture ☐

E. Industrial Visits ☐ F. Others please specific ☐

2. Details of the Event

Name of the coordinator(s) / Participant(s):

1. Mr.C.Srikanth, CVR

2. Mr.T.Sampath Kumar, CVR

3. Dr.H.S.Saini, GNIT

4. Mr.Biswanath Dey, NITS

5. Ms.N.Tulasi Chitra, MLR

S.No.	Event Category	Place/ Organization	Event Name	Date(s)
1	Faculty Development Program	Placement Seminar Hall, Main Block, JBIET	A six Days Faculty Development Program on “Deep Learning”	05-04-2021 to 10-04-2021
1. RESOURCE PERSON / SPEAKER PROFILE				

Mr.C.Srikanth,working as Assistant professor in CVR Engineering College

Mr.T.Sampath Kumar, working as Assistant professor in CVR

Dr.H.S.Saini, working as Assistant professor in GNIT

Mr.Biswanath Dey, working as Assistant professor in NITS

Ms.N.Tulasi Chitra, working as Assistant professor in MLR

2. OBJECTIVES OF THE EVENT

To address the Faculties about the following

- To improve the performance of a Deep Learning model the goal is to the reduce the optimization function which could be divided based on the classification and the regression problems.

3. OUTCOME OF THE EVENT

On the completion of this seminar, Faculties will be able to understand

- Deep Learning is one the growing fields in Data Science which thrives on more data.
- The concept of objective functions is crucial in Deep Learning as it needs to be optimized in order to get better prediction or a more efficient model.

4. EVENT BRIEF REPORT

The Speaker addressed the following things:

- In Regression problems, the intuition is to reduce the difference between the actual data points and the predicted regression line. Mean absolute error is one such function to do so which takes the mean of the absolute value of the difference between the actual and the predicted value for all the examples in the data set.
- Similar to the mean absolute error, instead of taking the absolute value, it squares the difference between the actual and the predicted data points.
- The penalty incurred by an estimation procedure f is described by the loss function Huber.
- Between the predicted and the actual value, the cosine proximity is measured by this loss function which minimizes the dot product between them..

5. SUGGESTIONS FOR PROMOTING THIS TO FACULTIES / STAFF JBIET

Day 1(05-06-2021):

Mr.C.Srikanth, CVR Has explained the concept on Introduction, Feed forward Neural Networks, Gradient Descent and the back propagation algorithm, Unit Saturation, ReLU Heuristics for avoiding bad local minima

Day 2(06-06-2021):

Mr.T.Sampath Kumar, CVR has explained the concept on Heuristic for faster training, Nestors accelerated gradient Descent, Regularization.

Day 3(07-06-2021):

Dr.H.S.Saini, GNIT has explained the concept Convolutional Neural Networks, Recurrent Neural Networks.

Day 4(08-06-2021):

Mr.Biswanath Dey, NITS has explained the concept on Deep Unsupervised Learning: Autoencoders, Variational Autoencoders, Adversarial Generative Networks, Autoencoder and DBM.

Day 5(09-06-2021):

Ms.N.Tulasi Chitra, MLR has explained the concept of Applications of Deep Learning to Computer Vision: Image Segmentation, Object Detection, Automatic Image Captioning, Image generation with Generative Adversarial Networks

Day 6(10-06-2021):

Ms.N.Tulasi Chitra, MLR has explained the concept of Applications of Deep learning to NLP

6. EVIDENCES / PROOF OF THE EVENT

1. Event Photograph
2. Department Circular about the event