



**ZEAL EDUCATION SOCIETY'S
ZEAL COLLEGE OF ENGINEERING AND RESEARCH
NARHE | PUNE -41 | INDIA**



5.1.2 Capacity building and skills enhancement initiatives

Academic Year 2019-20

Sr. No.	Name of the capacity development and skills enhancement program	Name of the agencies/consultants involved
1	Artificial Neural Networks and application in Civil Engineering	Dr. S. N. Londhe and Dr. Pritee Kulkarni



[Signature]
HOD
Dept of Civil Engineering
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411 041



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NARHE | PUNE -41 | INDIA
DEPARTMENT OF CIVIL ENGINEERING
A.Y. 2019-2020 : SEM-I



Permission for Expert/Guest Session

Date:24/06/2019

To,
The Principal,
ZCOER, Pune

Subject: Permission for scheduling an expert lecture session

Respected sir,

For enhancing the understanding of students about Artificial Neural Networks and Its Application in Civil Engineering, we are planning to schedule a guest lecture session for the SE/TE/BE students of civil engineering department. The best resource person is identified for this session and the details are given below.

Name of the expert:	Dr. S. N. Londhe
Designation	Chairman
Organization	Board of Studies, Civil,
Exeprience:	25 years

Name of the expert:	Dr. Preeti Kulkarni
Designation	Professor
Organization	Department of Civil Engineering VIT
Exeprience:	20 years

Proposed date: 28/06/2019
Time: 01:00 PM to 04:00 PM
Venue: Mechanical Seminar Hall

Remuneration details: Nill

You are hereby requested to kindly permit the conduction of the above said session at proposed date and time.


Event Coordinator

Remark by Principal:


Head of Department

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A.Y. 2019-2020 : SEM-I



Invitation Letter for Expert/Guest Session

Date:24/06/2019

To,
Dr. Preeti Kulkarni
Department of Civil Engineering
VIT, Pune

Subject: Invitation to carry out a guest lecture session on Artificial Neural Networks and Its Application in Civil Engineering


Greetings from ZCOER, Pune!

Zeal College of Engineering and Research (ZCOER), Narhe, Pune established in the year 1996, offers various undergraduate and postgraduate engineering courses. The institute is an approved Research Center for PhD and Research Studies. The institute has been accredited by NAAC with "A" Grade. Department of Civil Engineering of Zeal College of Engineering and Research, Pune was established in 2012.

The Civil Engineering department is planning to organize a guest lecture session on Artificial Neural Networks and Its Application in Civil Engineering on 28/06/2019.. The participants would be SE/TE/BE students and faculty members.

Herewith taking an opportunity to invite you as a session speaker on 28/06/2019 at 01:00 PM to 04:00 PM. We will be highly obliged if you could accept our invitation.

Looking forward to your favourable response.


Dr. P. P. Walvekar
Convener and HOD, Civil Engineering Department

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Invitation Letter for Expert/Guest Session

Date:24/06/2019

To,
Dr. S. N. Londhe
Chairman,
Board of Studies, Civil,
SPPU Pune.

Subject: Invitation to carry out a guest lecture session on Artificial Neural Networks and Its Application in Civil Engineering


Greetings from ZCOER, Pune!

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The Civil Engineering department is planning to organize a guest lecture session on Artificial Neural Networks and Its Application in Civil Engineering on 28/06/2019.. The participants would be SE/TE/BE students and faculty members.

Herewith taking an opportunity to invite you as a session speaker on 28/06/2019 at 01:00 PM to 04:00 PM. We will be highly obliged if you could accept our invitation.

Looking forward to your favourable response.


Dr. P. P. Walvekar
Convener and HOD, Civil Engineering Department
HOD

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Notice

Date: 24/06/2019

All students of SE Civil are hereby informed that a guest lecture session on Artificial Neural Networks and Its Application in Civil Engineering been arranged on 28th June 2019. Attendance is mandatory for all students.

Topic: Artificial Neural Networks and Its Application in Civil Engineering

Venue: Mechanical Seminar Hall

Time: 01:00 pm to 04:00 pm

Alchotogal

Event Coordinator
Civil Engg. Department

Academic Coordinator
Civil Engg. Department

[Signature]
Head of the Department
Civil Engg. Department

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Thanking Letter for Guest Lecture Session

Date:28/06/2019

To,
Dr. S. N. Londhe
Chairman
Board of Studies, Civil,
SPPU Pune.


Dear Sir,

It is pleasure to express deep gratitude for you being here in Department of Civil Engineering, Zeal College of Engineering and Research, Pune and devoting your valuable time and knowledge by conducting a guest lecture session on Artificial Neural Networks and Its Application in Civil Engineering on 28/06/2019.

Your knowledge and excellent delivery of the topic was very well received by participants. The information in your session and the additional references you have provided were both fascinating and timely. This workshop session was really informative. Anticipating the similar kind of support and cooperation in future.

Thanking you,

Yours sincerely,


Dr. P. P. Walvekar
Convener and HOD, Civil Engineering Department
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Dept of Civil Engineering
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Thanking Letter for Guest Lecture Session

Date:28/06/2019

To,
Dr. Preeti Kulkarni
Department of Civil Engineering
VIT, Pune

Dear Madam,

It is pleasure to express deep gratitude for you being here in Department of Civil Engineering, Zeal College of Engineering and Research, Pune and devoting your valuable time and knowledge by conducting a guest lecture session on Artificial Neural Networks and Its Application in Civil Engineering on 28/06/2019.

Your knowledge and excellent delivery of the topic was very well received by participants. The information in your session and the additional references you have provided were both fascinating and timely. This workshop session was really informative. Anticipating the similar kind of support and cooperation in future.

Thanking you,

Yours sincerely,

Dr. P. P. Walvekar
Convener and HOD, Civil Engineering Department

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A.Y. 2019-20 : SEM-I**



Industrial Expert/Guest Lecture Report

Department: Civil Engineering

Semester: 1

Academic Year: 2019-20

Class: SE/TE/BE

Div: NA

Date:-28/06/2019

Title	Artificial Neural Networks and Its Application in Civil Engineering														
Date of Lecture	28/06/2019														
Resource Person	Dr. S. N. Londhe														
Summary	In this guest lecture introduction to ANN and its application in civil engineering, case studies of rainfall by considering the data from rain gauge station and another predicting stream flow of Narmada River were discussed.														
Objective/Purpose	To aware civil engineering students about Artificial Neural Networks and its application in Civil Engineering														
POs/PSOs Attained	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	
Outcomes	From this guest lecture students were able to understand about Artificial Neural Networks and its application in Civil Engineering.														
Photo Gallery															



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Industrial Expert/Guest Lecture Report

Department: Civil Engineering

Semester: I

Academic Year: 2019-20

Class: SE/TE/BE

Div: NA

Date:-28/06/2019

Title	Artificial Neural Networks and Its Application in Civil Engineering													
Date of Lecture	28/06/2019													
Resource Person	Dr. Preeti Kulkarni													
Summary	In this guest lecture detailed explanation to ANN and its application in civil engineering, case studies of on concrete mix design and air pollution and various untouched topics for further research were discussed.													
Objective/Purpose	To aware civil engineering students about Artificial Neural Networks and its application in Civil Engineering													
POs/PSOs Attained	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Outcomes	From this guest lecture students were able to understand about Artificial Neural Networks and its application in Civil Engineering.													
Photo Gallery														



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Department of Civil Engineering**

ZCOER/Civil/Admin/19-20/195

28/06/2019

A Report of Half day workshop on

**"ARTIFICIAL NEURAL NETWORKS AND ITS APPLICATION IN CIVIL
ENGINEERING"**

Department of Civil Engineering conducted a half day workshop on "Artificial Neural Networks and Its Application in Civil Engineering". The objective of workshop is to spread awareness of Artificial Neural network and its application in civil engineering. Following are the details of workshop-

Date-June 28, 2019

Time-1 pm to 4 pm

Venue-Seminar hall, Department of Mechanical Engineering

Speakers-1) Prof. Dr. S. N. Londhe Chairman Board of Studies –Civil Engineering –SPPU, Pune.

2) Dr. Preeti Kulkarani –Department of Civil Engineering, VIT Pune.

Workshop Coordinator –Mr. A. K. Chorage

Workshop started with welcome note & introduction to theme of workshop given by Dr. P. P. Walvekar. The workshop was attended by total 87 no. of students of SE, TE, & BE and 5 faculty members. Workshop is divided into two parts-Session –I & Session-II followed by doubt clearing session.

Session-I was conducted by Dr. S. N. Londhe on introduction to ANN & Application in Civil Engineering. He has given introduction to ANN with more emphasis on conceptual understanding. He has deliberated real time application of ANN in Civil Engineering. He also explained the ANN applications considering the case studies one of the case studies was on prediction of rainfall by considering the data from rain gauge stations in pune city. Other case study was on predicting of stream flow of Narmada River. The session was really informative & interactive in nature Followed by short break of 10 min.

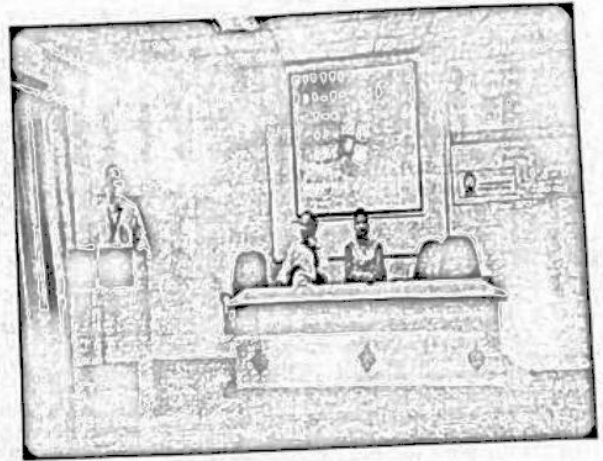
Session-2 was conducted by the Dr. Preeti Kulkarani she has elaborated ANN application in Civil engineering by discussing case studies on concrete mix design and Air Pollution. She also enlightened various untouched topics for further research/project.

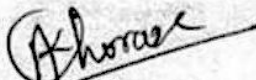


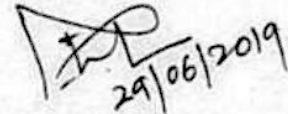
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Department of Civil Engineering**

After completion of Session -2, Students raised their queries related to the theme of workshop. These queries were resolved by Prof. S. N. Londhe & Dr. Preeti Kulkarani. Finally workshop ended with vote of thanks given by workshop coordinator Mr.A. K. Chorage.

**Glimpse of Workshop on "ARTIFICIAL NEURAL NETWORKS AND ITS APPLICATION IN
CIVIL ENGINEERING"**




Mr. A. K. Chorage
Workshop Coordinator


29/06/2019
Dr. P. P. Walvekar
HOD
Dept of Civil Engineering
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A.Y. 2019-2020 : SEM-I



ATTENDANCE SHEET SE/TE/BE

Roll No.	Name of Student	Sign
S111001	AKHADE ATHARVARAJ NARESH	Akade
S111002	BELURE RUSHIKESH KASHINATH	Belure
S111003	BORSE SUYASH YASHWANT	Borse
S111004	CHAVAN MAHESH NAMDEO	Chavan
S111005	CHAVAN SANGRAM RAJARAM	Chavan
S111006	DALVI RUSHIKESH INDRAJEET	Dalvi
S111007	DEVKATE ABHISHEK TANAJI	Devkate
S111009	GAVIT PUJA NAMVANT	Gavit
S111010	GAWADE ROHIT ZUNJAR	Gawade
S111011	GHONE GITANJALI MAHESH	Ghone
S111012	HODLURKAR VALLABH UMESHRAO	Hodlurkar
S111013	KADAM ASMIT ANAND	Kadam
S111014	KAKDE SHIVAM SHAHADEV	Kakde
S111015	KALE ANIKET RAMCHANDRA	Kale
S111016	KARLE RUSHIKESH VILAS	Karle
S111017	KENDRE PRASHANT DAYANAND	Kendre
S111018	KHAIRMODE ABHISHEK BHANUDAS	Khairmode
S111019	KOLEKAR SOURABH SHAHAJI	Kolekar
S111020	LOKARE TUSHAR BABAN	Lokare
S111021	MASCARENHAS MELROY RUJAY	MJR
S111022	NACHAN DIVYA SATISH	Nachan
S111023	PATIL MAHADEV NIVRUTTI	Patil
S111024	PATIL NALIN SURESH	Patil Suresh
S111025	PATIL RUTIK ANIL	Patil
S111026	PATIL SATISH	Patil
S111027	PATIL VISHAL RAM	Patil
S111029	RASKAR DIPALI DILIP	Raskar
S111030	RUSHIKESH RAJENDRA JAGTAP	Rushikesh
S111031	SABLE BHUPESH KANHAIYALAL	Sable



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S111034	SHINDE SANDEEP CHANDRAKANT	Shinde
S111035	SINGH PRASHANT NARENDRA	Singh
S111036	TAPASE VINAY ANAND	Tapase
S111037	TATHE VIRAJ VAIBHAV	
S111038	VATARI KAUSHAL NANDKUMAR	Vatari
S111039	VISHWAS OMKAR MOHAN	Vishwas
S111040	VYAVAHARE VISHAL ARUN	
S111041	WAGHAMARE SANKET DHANANJAY	Waghamare
S111042	WAN EBOR HYNNIOWTA	Wan
S111043	LADKE DARSHANKUMAR SANJAY	Ladke
S111046	GHUGE SAURABH PANJABRAO	Ghuge
S111047	VAKHARIYA DARSHAN SATISHKUMAR	
S111048	MAIDEO KEDAR RANGANATH	Maideo
S111049	SURAVASE SURAJ RAJENDRA	
S111050	SANTDARSHAN SURESH GURAV	Santdarshan
S111051	GHUDE PRAJAKTA MANOJ	Ghude
S111052	KARALE MOHAN SHIVAJI	Karale
S111053	MORE TANESH KASHINATH	More
S111054	VEER ASHISH PANDURANG	Veer
S111055	NEVE NANDINI SUNIL	Neve
S111056	PARAB NAVIN NARESH	Parab
S111057	LOKARE SNEHA KERABA	Lokare
S111058	GONDAL VIKRAM VINOD	Gondal
T111003	BHOJ SHREYASH MAHADEV	Bhoj
T111004	BHOSALE AISHWARYA GANESH	Bhosale
T111005	BHOSALE JANMEJAY DATTATRAYA	Bhosale
T111019	DHOLE TUSHAR MUKUND	Dhole
T111020	DISALE AKSHAY BAPUSAHEB	Disale
T111021	DUMANE DIKSHA ARJUN	DPA
T111022		



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	GADE ANIKET RAJENDRA	Gade Aniket
T111001	ABHYANKAR VARUNRAJ VILAS	Abhyankar
T111002	BANKAR SAKSHI SANJAY	Bankar
T111006	BHUJBAL ANIKET DADA	Bhujbal
T111007	BOBADE VYANKTESH SHARADKUMAR	Bobade
T111008	CHARWAD PRATIK PRAKASH	Charwad
T111009	CHAUDHARI MAHESH NILESH	Chaudhari
T111010	CHAVAN NATHSINHA YUVRAJ	Chavan
T111011	CHAVAN SHARWIN KAILASH	Chavan
T111012	DAHIFALE TUSHAR MARUTI	Dahifale
T111013	DENGAL AISHWARYA SACHIN	Dengale
T111014	DEOKAR OMKAR MANOHAR	Deokar
T111015	DESAI SUJAY LAXMAN	Desai
T111016	DESHMUKH DAYANAND MANOHAR	Deshmukh
T111017	DESHMUKH VEDANT ARVIND	Deshmukh
T111018	DEVKATE VISHAL TATTYASO	Devkate
T111026	ICHAKE PRATIK PRAVIN	Ichake
T111027	INGOLE KETAKI KALIDAS	Ingole
T111028	JADHAV MONIKA LAXMAN	Jadhav
T111029	JADHAV SIDDHESH KIRAN	JSK
T111030	JADHAV SUMIT VITTHAL	JSVittu
T111031	JADHAV TANMAY GANESH	JT Ganesh
T111032	JAVALEKAR ASHISH ANIL	Ashish
T111033	JOKE OMKAR VIJAYKUMAR	Omkar
T111034		



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	KADAM DIPALI BALASAHEB	Kadam
T111035	KAKADE AJINKYA MAHENDRA	Kakade
T111036	KALE PRATIK GANGADHAR	Kale
T111037	KAMBLE MONISH MOHAN	Kamble
T111038	KARKANDE SAHIL NATHA	Karkande
T111039	KARLEKAR PRIYANKA BABURAO	Karlekar
T111040	KARNE OMKAR PANDURANG	Karne
B111012	DHOTRE SHUBHAM PRABHAKAR	Dhotre
B111013	EKAL SHUBHAM SANTOSH	Ekal
B111014	GAIKWAD PRAJAKTA BHAGWAN	Gaikwad
T111023	GAIKWAD PRASHANT RAMESH	Gaikwad
T111024	GANGODE PRASHANT PUNDLIK	Gangode
T111025	GUTTE ASHWINI ASHOK	Gutte
T111048	MANE PRATIK DEEPAK	Mane
T111049	MANOLI PRASAD JAYPAL	Manoli
T111050	MHASKAR VAIBHAV SURESH	Mhaskar
T111051	MOHITE NISHIKANT SHAHAJI	Mohite
T111052	MORE ABHISHEK MADAN	More
T111053	MORE RAHUL POPAT	More
T111054	MOTEWAR AVINASH MAROTIRAO	Motewar
T111055	MUNDHE AMAR RAGHUNATH	Mundhe
B111031	KARAD ONKAR JALINDAR	Karad
B111032	KHEDEKAR JEEVAN JANARDAN	Khedekar
B111033	KHETAWAT SANTOSH GOPAL	
B111034	KHIRAPATE SHRISHAIL SUNIL	Khichore
B111035	KHOCHARE NIKHIL SANJAY	Khochare
B111036	KONDE SHUBHAM SANTOSH	Konde
B111037	KULKARNI PRADHUMN GIRISH	Kulkarni
B111038	MALAVADE SHRIRAM VISHWANATH	Malavade



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B111039	MALI SHUBHAM ADHIK	<i>malik</i>
B111040	MANDARE NITIN SANJAY	<i>mandare</i>
B111001	ANDHARE SUPRIYA UMAKANT	<i>Andhare</i>
B111002	ANSARWADKAR KUMBHAR AKASH GOVIND	<i>Ansarw</i>
B111003	BAGMODE AKSHAY BABRUWAN	<i>Bagmod</i>
B111004	BASATE PRATIK VIJAY	<i>Basate</i>
B111005	BAVASKAR PRIYA VIJAY	<i>Bavaskar</i>



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FEEDBACK FORM

Date: 28/06/20219

Guest Lecture on Artificial Neural Networks & Its Application in Civil Engg.

Sr. No.	Roll No.	Name of Student	Excellent	Very Good	Good	Fair	Not good
1	S111001	AKHADE ATHARVARAJ NARESH	✓	✓			
2	S111002	BELURE RUSHIKESH KASHINATH	✓	✓			
3	S111003	BORSE SUYASH YASHWANT	✓	✓			
4	S111004	CHAVAN MAHESH NAMDEO	✓	✓			
5	S111005	CHAVAN SANGRAM RAJARAM	✓	✓			
6	S111006	DALVI RUSHIKESH INDRAJEET	✓	✓			
7	S111007	DEVKATE ABHISHEK TANAJI	✓	✓			
8	S111009	GAVIT PUJA NAMVANT	✓	✓			
9	S111010	GAWADE ROHIT ZUNJAR			✓		
10	S111011	GHONE GITANJALI MAHESH	✓	✓			
11	S111012	HODLURKAR VALLABH UMESHRAO	✓	✓			
12	S111013	KADAM ASMIT ANAND	✓				
13	S111014	KAKDE SHIVAM SHAHADEV	✓		✓		
14	S111015	KALE ANIKET RAMCHANDRA		✓			
15	S111016	KARLE RUSHIKESH VILAS	✓	✓			
16	S111017	KENDRE PRASHANT DAYANAND	✓				
17	S111018	KHAIRMODE ABHISHEK BHANUDAS			✓		
18	S111019	KOLEKAR SOURABH SHAHAJI			✓		
19	S111020	LOKARE TUSHAR BABAN	✓				
20	S111021	MASCARENHAS MELROY RUJAY	✓				
21	S111022	NACHAN DIVYA SATISH	✓				
22	S111023	PATIL MAHADEV NIVRUTTI	✓				
23	S111024	PATIL NALIN SURESH	✓				
24	S111025	PATIL RUTIK ANIL			✓		
25	S111026	PATIL SATISH					
26	S111027	PATIL VISHAL RAM	✓	✓			
27	S111029	RASKAR DIPALI DILIP		✓			
28	S111030	RUSHIKESH RAJENDRA JAGTAP	✓	✓			
29	S111031	SABLE BHUPESH KANHAIYALAL	✓	✓			
30	S111034	SHINDE SANDEEP CHANDRAKANT	✓		✓		
31	S111035	SINGH PRASHANT NARENDRA	✓				
32	S111036	TAPASE VINAY ANAND	✓	✓			
33	S111037	TATHE VIRAJ VAIBHAV	✓	✓			
34	S111038	VATARI KAUSHAL NANDKUMAR	✓	✓			
35	S111039	VISHWAS OMKAR MOHAN	✓	✓			
36	S111040	VYAVAHARE VISHAL ARUN	✓	✓			
37	S111041	WAGHAMARE SANKET DHANANJAY	✓	✓			
38	S111042	WAN EBOR HYNNEWTA	✓	✓			
39	S111043	LADKE DARSHANKUMAR SANJAY			✓		
40	S111046	GHUGE SAURABH PANJABRAO	✓	✓			
41	S111047	VAKHARIYA DARSHAN SATISHKUMAR	✓	✓			
42	S111048	MAIDEO KEDAR RANGANATH	✓	✓			
43	S111049	SURAVASE SURAJ RAJENDRA	✓	✓			
44	S111050	SANTDARSHAN SURESH GURAV			✓		

45	S111051	GHUDE PRAJAKTA MANOJ						
46	S111052	KARALE MOHAN SHIVAJI			✓			
47	S111053	MORE TANESH KASHINATH					✓	
48	S111054	VEER ASHISH PANDURANG					✓	
49	S111055	NEVE NANDINI SUNIL			✓			
50	S111056	PARAB NAVIN NARESH	✓					
51	S111057	LOKARE SNEHA KERABA					✓	
52	S111058	GONDAL VIKRAM VINOD	✓					
53	T111003	BHOJ SHREYASH MAHADEV	✓					
54	T111004	BHOSALE AISHWARYA GANESH			✓			
55	T111005	BHOSALE JANMEJAY DATTATRAYA	✓					
56	T111019	DHOLE TUSHAR MUKUND					✓	
57	T111020	DISALE AKSHAY BAPUSAHEB	✓					
58	T111021	DUMANE DIKSHA ARJUN					✓	
59	T111022	GADE ANIKET RAJENDRA					✓	
60	T111001	ABHYANKAR VARUNRAJ VILAS	✓					
61	T111002	BANKAR SAKSHI SANJAY					✓	
62	T111006	BHUJBAL ANIKET DADA	✓					
63	T111007	BOBADE VYANKTESH SHARADKUMAR			✓			
64	T111008	CHARWAD PRATIK PRAKASH					✓	
65	T111009	CHAUDHARI MAHESH NILESH					✓	
66	T111010	CHAVAN NATHSINHA YUVRAJ			✓			
67	T111011	CHAVAN SHARWIN KAILASH					✓	
68	T111012	DAHIFALE TUSHAR MARUTI					✓	
69	T111013	DENGALE AISHWARYA SACHIN			✓			
70	T111014	DEOKAR OMKAR MANOHAR					✓	
71	T111015	DESAI SUJAY LAXMAN					✓	
72	T111016	DESHMUKH DAYANAND MANOHAR			✓			
73	T111017	DESHMUKH VEDANT ARVIND					✓	
74	T111018	DEVKATE VISHAL TATTYASO			✓			
75	T111026	ICHAKE PRATIK PRAVIN			✓			
76	T111027	INGOLE KETAKI KALIDAS					✓	
77	T111028	JADHAV MONIKA LAXMAN			✓			
78	T111029	JADHAV SIDDHESH KIRAN			✓			
79	T111030	JADHAV SUMIT VITTHAL			✓			
80	T111031	JADHAV TANMAY GANESH			✓			
81	T111032	JAVALEKAR ASHISH ANIL			✓			
82	T111033	JOKE OMKAR VIJAYKUMAR			✓			
83	T111034	KADAM DIPALI BALASAHEB			✓			
84	T111035	KAKADE AJINKYA MAHENDRA			✓			
85	T111036	KALE PRATIK GANGADHAR			✓			
86	T111037	KAMBLE MONISH MOHAN	✓					
87	T111038	KARKANDE SAHIL NATHA			✓			
88	T111039	KARLEKAR PRIYANKA BABURAO					✓	
89	T111040	KARNE OMKAR PANDURANG			✓			
90	B111001	ANDHARE SUPRIYA UMAKANT					✓	
91	B111002	ANSARWADKAR KUMBHAR AKASH GOVIND			✓			
92	B111003	BAGMODE AKSHAY BABRUWAN			✓			
93	B111004	BASATE PRATIK VIJAY			✓			
94	B111005	BAVASKAR PRIYA VIJAY	✓					
95	B111006	DHOTRE SHUBHAM PRABHAKAR			✓			
96	B111007	EKAL SHUBHAM SANTOSH					✓	
97	B111008	GAIKWAD PRAJAKTA BHAGWAN			✓			
98	B111009	GAIKWAD PRASHANT RAMESH			✓			

99	B111010	GANGODE PRASHANT PUNDLIK					
100	B111011	GUTTE ASHWINI ASHOK	✓				
101	B111012	MANE PRATIK DEEPAK	✓				
102	B111013	MANOLI PRASAD JAYPAL	✓				
103	B111014	MHASKAR VAIBHAV SURESH			✓		
104	B111015	MOHITE NISHIKANT SHAHAJI			✓		
105	B111016	MORE ABHISHEK MADAN			✓		
106	B111017	MORE RAHUL POPAT			✓		
107	B111018	MOTEWAR AVINASH MAROTIRAO			✓		
108	B111019	MUNDHE AMAR RAGHUNATH			✓		
109	B111020	KARAD ONKAR JALINDAR			✓		
110	B111021	KHEDEKAR JEEVAN JANARDAN			✓		
111	B111022	KHETAWAT SANTOSH GOPAL	✓				
112	B111023	KHIRAPATE SHRISHAIL SUNIL	✓			✓	
113	B111024	KHOCHARE NIKHIL SANJAY	✓				
114	B111025	KONDE SHUBHAM SANTOSH	✓				
115	B111026	KULKARNI PRADHUMN GIRISH				✓	
116	B111027	MALAVADE SHRIRAM VISHWANATH	✓				
117	B111028	MALI SHUBHAM ADHIK	✓			✓	
118	B111029	MANDARE NITIN SANJAY				✓	
119	B111030	ANDHARE SUPRIYA UMAKANT			✓		
120	B111031	ANSARWADKAR KUMBHAR AKASH GOVIND	✓				
121	B111032	BAGMODE AKSHAY BABRUWAN				✓	
122	B111033	BASATE PRATIK VIJAY			✓		
123	B111034	BAVASKAR PRIYA VIJAY	✓		✓		



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DEPARTMENT OF CIVIL ENGINEERING
A.Y. 2019-2020 : SEM-I



QUIZ ON "ANN & ITS APPLICATION IN CIVIL ENGG."

Date:28/06/2019

1. Who was the inventor of the first neurocomputer?

- A. Dr. John Hecht-Nielsen
- B. Dr. Robert Hecht-Nielsen
- C. Dr. Alex Hecht-Nielsen
- D. Dr. Steve Hecht-Nielsen

2. How many types of Artificial Neural Networks?

- A. 2
- B. 3
- C. 4
- D. 5

3. In which ANN, loops are allowed?

- A. FeedForward ANN
- B. FeedBack ANN
- C. Both A and B
- D. None of the Above

4. What is the full form of BN in Neural Networks?

- A. Bayesian Networks
- B. Belief Networks
- C. Bayes Nets
- D. All of the above

5. What is the name of node which take binary values TRUE (T) and FALSE (F)?

- A. Dual Node
- B. Binary Node
- C. Two-way Node
- D. Ordered Node

Name of student:

Class:

Roll No.: