## Registration Form

# ISTE Approved STTP

"Artificial Intelligence and Machine Learning"

Designation: ....

Category: Institute:....

Postal Address :....

Mobile No: ..... ISTE Membership No.: .....

Email Id:....

Accommodation Required: Yes / No

Qualification:....

Demand Draft of Rs .....

DD No:

Place:.... Bank t....

Date :.....

Ward A (Signature of Participant) Signature of Authority

Registration Fee

R&D Organizations Delegates from Industries and PG Students Faculty From academic Institutions : Rs. 1500/-: Rs. 700/-Rs. 2000/-

## Registration

nominal charges. No TA/DA will be provided. accommodation will be provided on request with Registration Form along with scan copy of DD to Coordinator on or before 14th June 2019. Submit your Registration Karad" Dr. Daulatrao Aher College of Engineering, form along with DD in favor of "Principal, AGTI's Participants can register by sending the registration Email: shitalk1710@gmail.com. Kindly note that form duly filled, payable shall reach the Karad.

## Important Dates

Last Date of Registration : 14th June 2019. Workshop Dates Date of Confirmation : 17th to 21st June 2019 : 15th June 2019.

# Address for Correspondence

## Coordinator

Fax: (02164) 272703 Phone: (02164)272701/02 Karad, Dist: Satara Maharashtra INDIA Vidyanagar Extn. Banawadi, 415124 AGTI's Dr. Daulatrao Aher College of Engineering, Electronics & Telecommunication, STTP on "Artificial Intelligence and Machine Learning" Department of Computer Science & Engineering and Dr. Vetailing and production and the stitute of the

Dr. Daulatrao Aher College Of Engineering, G. K. Gujar Memorial Charitable Trust's Dr. Ashok Gujar Technical Institute's Karad

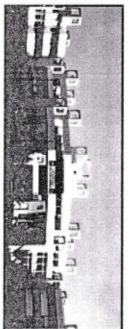




Short Term Training Program **Under Lead College Activity** 

"Artificial Intelligence and Machine 17th June to 21st June 2019 Learning"

Approved by ISTE, New Delhi



Jointly Organized By

Computer Science & Engineering, Department of

Electronics and Telecommunication Engineering

Of Sarad Sarad Sarad S. Inc. Danlatra of Engineering, Karad Vidyanagar Extn. Banawadi, 415124 Karad, Dist: Satara Engineering,

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# About the Institute

Dr. Daulatrao Aher College of Engineering Karad is established in 2008 by Dr. Ashok G. Gujar, as a part of Shri G. K. Gujar Memorial Charitable Trust's activities at Karad. The Institute is approved by the All India Council for Technical Education (AICTE) New Delhi, Directorate of Technical Education (DTE) Mumbai, and Government of Maharashtra and is affiliated to Shivaji University Kolhapur.

The Institute offers engineering programs in Civil Engineering, Computer Science and Engineering (CSE), Information Technology, Electronics and Telecommunications, Mechanical Engineering leading to B.E. Degree as per Shivaji University Curriculum. The Institute has dedicated faculty members and staff and is well equipped with laboratories. The Institute has received an ISO 9001 – 2008 and ISO 10002 – 2014 Certification and NAAC accredited with B+ grade.

The main objective is to provide quality education to students of engineering. With this aim in mind the management, faculty and staff have commitments towards academic excellence and relevance. We at AGTI's DACOE, Karad believe in rational and visibility.

## About STTP

STTP on "Artificial Intelligence and Machine Learning" is being conducted at AGTI's DACOE Karad for faculty, Students, and research scholars. The course provides an overview of AI concepts and workflows, machine learning, deep learning, and performance metrics. You'll learn the difference between supervised, unsupervised and reinforcement learning; by exposed to use cases and see how clustering and classification algorithms help identify AI business applications. Principal

Dr. Ashok Gujar Technical Institute's Dr. Daulatrap Aher College of Engineering, Karad

## Patrons

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# Hon. Dr. Ashok G. Gujar

Chairman, G.K. Gujar Memorial Charitable Trust, Karad

# Hon. Shri Indrajeet A. Gujar

Vice Chairman, G.K. Gujar Memorial Charitable Trust, Karad Hon. Dr. Madhuri I. Gujar

Secretary, G.K. Gujar Memorial Charitable Trust, Karad.

## Convener

## Dr. Anwar M. Mulla

Principal, AGTI's, DACOE Karad

# Prof. Hanmant M. Kumbhar

Vice Principal, AGTI's, DACOE Karad

# Organizing Secretary

# Mr. Prakash J. Chorage

Head of E&TC Department, AGTI's DACOE, Karad

## Mr. Ashish N. Patil

Head of CSE Department, AGTI's DACOE, Karad

# Program Coordinator

## Mrs. Shital P. Kakade

Email: shitalk1710@gmail.com

Mobile No: 7709654280

# Mr. Ramchandra K. Gurav

Email: ramgurav1987@gmail.com

Mobile No: 7755900228

# Organizing Members

Ms. S. D. Bandari Mr. R. A. Kharade
Mr. S. Y. Inamdar Mrs. M. P. Gujar
Ms. A. T. Mulik Ms. P. I. Kinikar
Ms. D. R. Kamble Mrs. S. N. Wangikar
Ms. A. N. Mandale Mr. S. K. Bhise
Ms. S. P. Shinde Ms. S. M. Patil
Ms. S. P. Shinde Ms. S. M. Patil
Ms. Ms. M. U. Ghewari



## Course Objectives

- Classify the types of learning including supervised and unsupervised.
- Identify the various applications of machine learning algorithms.
- Understand classification data and model.
- Choose the best algorithms among many for any given Machine Learning problem.
- Make accurate predictions and powerful analysis
- Use unsupervised learning algorithms including deep learning, clustering and recommendation systems

## Course Contents

- Introduction to Artificial Intelligence and Machine Learning
- Techniques of AI & Machine Learning
- Data Preprocessing
- Math Refresher
  - Regression
- Classification
- Unsupervised learning: Clustering
  - Introduction to Deep Learning

## Resource Person

Gujar Tork

- Renowned Faculty from Research labs and Reputed Institutes
- Experts from IT industries



#### G.K. Gujar Memorial Charitable Trust's, Dr. Ashok Gujar Technical Institute's Dr. Daulatrao Aher College of Engineering, Karad.

#### Department of Computer Science & Engineering

#### Report

#### ISTE approved STTP On "Artificial Intelligence and Machine Learning"

Department of CSE and E&TC , AGTI'S DACOE Karad had jointly organized one week STTP on "Artificial Intelligence and Machine Learning" from 17<sup>th</sup> June 2019 to 21<sup>st</sup> June 2019. This STTP was Approved by ISTE (ISTE/Proceedings/STTP-SF/MAH-054/2019-20 Date: June 3<sup>rd</sup>, 2019). In total 04 participants had participated in this STTP .

On first day i.e 17<sup>th</sup> June, STTP was inaugurated by Principal Dr. A.M. Mulla & HOD Prof. A.N. Patil. This was followed by first session of Mr. Jayesh Ahire In this session, he has provided explanation regarding Introduction to Artificial Intelligence and Machine Learning, Machine Learning algorithms and Applications of Machine Learning. On second session they covered Supervised learning, Unsupervised learning, Semi-supervised and Reinforcement learning.

On second day sessions were conducted by Mr. Jayesh B. Ahire and Mr. Akshay D. Shitole. In this session he has taken hands on on machine learning using python. Data Preprocessing- Data preparation, Feature engineering, Feature scaling, Datasets, Dimensionality reduction.

On third day he has taken concepts of Math Refresher like Concepts of linear algebra Eigen values, eigen vectors, and eigen decomposition, Introduction to Calculus Probability and statistic.

On fourth day he has taken Regression and its types, Linear regression: Equations and algorithms, Classification, Meaning and types of classification, Logistic regression, K-nearest neighbors, Support vector machines, Kernel support vector machines, Naïve Bayes, Decision tree classifier, Random forest classifier.

On fifth day he has given introduction to deep learning, Meaning and importance of Deep Learning, Artificial Neural Networks, Tensor Flow. After completion of session we had valedictory function in the presence of HOD CSE Prof. A.N.Patil and HOD E&TC Prof P. J. Chorage. In valedictory, Course completion certificate were distributed and Feedback of participants were taken.

STTP Co-Ordinator

Prof. S.P.Kakade

Prof. A.N.Patil





## G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD

Vidyanagar Extn., Dist. Satara

### Department of Computer Science & Engineering

#### Proposal for STTP

Date 15.05.2019

To The Principal, AGTT'S DACOE, Karad

Subject: Permission to arrange One Week STTP on "Artificial Intelligence and Machine Learning" during 17<sup>th</sup> June to 21<sup>st</sup> June 2019."

I Mrs. Shital P. Kakade working as an Asst. Professor in CSE department interested in coordinating one week STTP for Computer Science & Engineering, Information Technology and Electronics and Telecommunication Engg. faculties, PG students & research scholars from 17/06/2019 to 21-06-2019 (Monday to Friday). The activities in the STTP are as follows:

#### **Target Audience**

Faculties, PG Students & Research scholars.

#### **Course Contents**

Lesson1: Introduction to Artificial Intelligence and Machine Learning
Learning objectives: In this lesson, you will recognize the importance of data economy and
Understand the emergence and applications of Artificial Intelligence and Machine Learning.

Topics:

- ☐ Artificial Intelligence
- ☐ Machine Learning
- ☐ Machine learning algorithms
- ☐ Applications of Machine Learning

Lesson2: Techniques of AI & Machine Learning

Learning objectives: In this lesson, you will take a step further, to understand the techniques of Machine Learning such as supervised, unsupervised, semi-supervised and reinforcement learning.

Topics:

- ☐ Supervised learning
- ☐ Unsupervised learning
- Semi-supervised and Reinforcement learning



Lesson3: Data Preprocessing
Learning objectives: In this lesson, you will earn how to prepare the data for machine learning
Algorithms with feature engineering, feature scaling, datasets and dimensionality reduction.
Topics:
☐ Data preparation
☐ Feature engineering
□ Feature scaling
□Datasets
□ Dimensionality reduction
Lesson4: Math Refresher
Learning objectives: This lesson will take you into your past and help you brushup on those mat
And statistics concepts highly necessary to understand the Machine Learning algorithms
· ma ownouse variety and of
Topics:
☐ Concepts of linear algebra
□Eigen values, eigen vectors, and eigen decomposition
☐ Introduction to Calculus
□ Probability and statistics
Lesson5:Regression
Learning objectives:In this lesson, you will unleash the real power of Machine Learning with
Polynomial regression, linear regression, random forest, decision tree regression, gradient
descent, and regularization.
Topics:
☐ Regression and its types
□Linear regression: Equations and algorithms
Lesson6: Classification
Learning objectives: In this lesson, you wil llearn about classification, logistic regression,K-
nearest neighbors, support vector machines, and NaiveBayes.
Topics:
☐ Meaning and types of classification
□ Logistic regression
□K-nearest neighbors
□ Support vector machines
☐ Kernel support vector machines
□Naïve Bayes
□ Decision tree classifier
☐ Random forest classifier
Lesson7: Unsupervised learning: Clustering
Learning objectives: In this lesson, you will learn and implement a few more algorithms within
the unsupervised learning category.
Topics:
□ Clustering algorithms
□K-means clustering
Lesson8: Introduction to Deep Learning
V GA J.E.

Learning objectives: This last lesson of the course, gives you a peek into the world of deep learning and how it is related to machine learning.

#### Topics:

☐ Meaning and importance of Deep Learning

☐ Artificial Neural Networks

Tensor Flow

#### Resource Persons

Renowned experts from Industry

#### Following are the organizing committee:

٠	Dr. A. M. Mulla, Principal	Mr. H. M. Kumbhar, Vice Principal
•	Mr. A. N. Patil, Head, CSE Department	Mr. Prakash J. Chorage, Head, E&TC Department
•	Mrs. S. P. Kakade, Course Coordinator	Mr. Ramchandra K. Gurav, Course Co-Coordinator
•	Ms. S. D. Bandari , Organizing Member	Mr. R. A. Kharade , Organizing Member
•	Mr. S. Y. Inamdar, Organizing Member	Mrs. M. P. Gujar, Organizing Member
•	Ms. A. T. Mulik, Organizing Member	Ms. P. I. Kinikar, Organizing Member
•	Ms. D.R. Kamble, Organizing Member	Mrs. S. N. Wangikar, Organizing Member
•	Ms. A. N. Mandale, Organizing Member	Mr. S. K. Bhise, Organizing Member

Ms. S. P. Shinde, Organizing Member Mr. S. M. Patil, Organizing Member Mr. S. B. Awaghade, Organizing Member Mr. R. R. Dodake, Organizing Member

Ms. M. U. Ghewari, Organizing Member

#### **Details of Expenditure**

Sr. No.	Activity	Amount(Rs.)
1	Lunch, tea and Breakfast expenses 20 participants + Expert + organizing committee members	10000=00
2	Honorium to experts	45,000=00
3	Registration kits	3,000=00
4	Other Expenditure(Course material, photos, fuel for generator, printing of certificates, printing of brochure, Felicitation of guest/experts)	2,000=00
	Total proposed expenditure(Rs.)	60,000=00
	Total proposed expenditure (Rs. In words): Sixty Thousand Only	

Total Estimated Expenditure: 60,000/- INR

Submitted for your approval and Permission

Prof. S.P. Kakade

Course Coordinator

Dr. Ashok Gujar Technical Institute's
Dr. Daulatrao Aher College of Enhineering, Karad

Prof A. N. Path Head, CSE Dept.

30-5-19

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## SHORT-TERM TRAINING PROGRAMMES (STTPS)

#### PROFORMA FOR SENDING PROPOSALS

(For Chapters of Indian Society for Technical Education)

Note: Before filling up the Proforma, please read carefully the rules and conditions (To be filled in by Coordinator)

	1.	Name and Address of Host Institution with Pin code	Address: Ashok Gujar Technical Institute. Dr. Dalwatzar Aher College of Engg. Vidjanogar. Bangwadi, Farad				
			Pin Code: 415124 Pho Fax: 02164-272703 Em	one: 2164-272701/02 ail: peincipal @dacoe.oc.j.			
3.		Title of the Programme (This should convey the content & main thrust of the programme) (in Capital Letters, please)	ARTIFICIAL ENTELLIGENCE AND				
		The Programme is intended for (Tick one only)	☐ Working Professionals ☐ Others (specify) Students				
4.		Name, Designation and Address of the Course Coordinator(s)  (One Coordinator preferred. More than two not permissible)	1. Mrs. Strital P.  Fatade  Asst. Peot  CSE Dept  BADDE, Karad	2.Mr. Pamchandra K. GWLAY ASST. PEDT ESTE DEPT. OACOE, FORCED			
•	t	Telephone, Mobile & Email of the Coordinator(s)	9mail. com	7755900228 Earngwen 1987 @ gmail. com			
•	1	lighest Qualification of Coordinator(s)	Mitech (37)	Mitech (Digital St.)			
	A	rea of Specialisation	Database	Mire Hamilton			

1	Teaching Experience (years)	11 Years	09 years			
-	Industry Experience (years)	-N11-	N:1.			
	Number of papers published	06	12			
-	Number of Short-Term Courses of Summer/Winter Schools attended	05	03			
	Number of Short-Term Courses of Summer/Winter Schools conducted earlier	· - NII -	02			
5.	Specialisation area for which the proposal is made  (tick one only)	☐ Civil ☐ Mechanical ☐ Electrical ☐ Electronics ☐ Computer Science ☐ Pharmacy	☐ Basic Sciences (Specify subject) ☐ Interdisciplinary (Specify areas covered) ☐ Others (specify)			
		☐ Architecture ☐ Management ☐ Hotel Management				
6.	The course is basically (Tick one only)	Subject updating course Special course on Emer Pedagogy Other (Specify)	rging areas			
7.	Whether the proposal covers any of the categories indicated (Tick one only)	☐ Education Technology/Methodology of teaching ☐ Training for technical supporting staff ☐ Emerging Area ☐ Others (specify)				
8	Duration of the programme ( <i>Tick one only</i> )	working days)  10 working days)  15 working days)  20 working days)				



9.	Proposed dates for the Programme (specify dates) which may be changed later, if required		: It is advisable to commence programme on MONDA)				
10	Do you have enough expertise within your institute and neighbouring places to offer the course satisfactorily? If NO, list the names and addresses of outside faculty needed. At least one faculty from IITs or NIITs	Yes Name of 1. 2. 3. 4.	of faculty from IITs/NIITs	Faculty from other institutes  Jayosh B. Abiec SMBTECh. Pune			
CO	URSE DETAILS						
1.	Significance & Objectives of the programme (list one or two major objectives)		1. I dentity the v mountine teast 2. Make accurate powerful o	caious applications or ving edgostithms e psedictions f unautois			
2.	Course Content/Coverage (List 5 to major topics with proposed duration coverage in hours for each topic)		Topic  1.2000 to ASI ML  2. Techniques of ASI  3. Data Porcessing of	Duration 05 hes  IML 05 hes  et 04 hes  esther 04 hes  esther 04 hes  esther 05 hes			
3.	Course Schedule .		Total working days Lecture Laboratory/Practical Industrial/Field Visits Others (specify) Total hours engaged	= .05 = 25 hrs. = 05 hrs. = - hrs. = - hrs. = 30 hrs.			
4.	Details of special equipment or labor facilities available for the course	atory					
5.	Collaboration with industry/ other institutions/ departments (indicate in organization, nature of collaboration experts involved)		1. — 2. —	Stand Galar Testado			

6.	Details of Course Faculty (List details of faculty)								
SI. No.	Name & Designation	nstitute	Highest Qualification	Field of Interest/specialisation					
01	Mo Tayest B. Abice 5NB AI, TEainer Pure		B.E Comp. Engg.						
02	AT TECHOPE	NB Fech. Une	BE. Compteg.	Autificial Intelligence 4 moshire leavilling					
7.	( Tick reievant ones)		Over Head Projector  16/35 mm film  Video System  Others (specif	n Projector					
8.			MH-243						
9.	Does your institution have an ISTE Cha (a) If no, will it make minimum 25 mer ISTE		✓ Yes	□ No					

I certify that the details given above are correct to the best of my knowledge and belief and I will organize the programme satisfactorily if approved. I also promise that I will abide by the terms and conditions contained in the ISTE Proceedings and submit the Final Report with Processing and operational expense to ISTE within 15 days after completion of the Programme.

Place: Karced

Date: 24/05/19

Signature of Salval Coordinator with Name Ma. Kakades.P Mo. Gwork K

I agree to provide all necessary assistance and facilities of the institute for the conduct of the above programme.

Place: parend

Date: 24/05/19

Signature of Principal/Director with Name



### भारतीय तकनीकी शिक्षा संस्था INDIAN SOCIETY FOR TECHNICAL EDUCATION

(Under the Societies' Registration Act XXI of 1860)

#### Prof. Vaidya Vijay Dattatray

**Executive Secretary** 

ISTE/Proceedings/STTP-SF/MAH-054/2019-20

June 03, 2019

#### Proceedings of Executive Secretary, ISTE

Sub.: Sanction to conduct full-time AICTE-ISTE Self Financing orientation/refresher programmes for the year 2019-2020.

Please refer to your proposal for conducting STTP on Self Financing Basis. In this regard it is informed that ISTE has signed MoU with AICTE to conduct Orientation and Refresher programs on Self Financing basis. These programs will be jointly certified by ISTE and AICTE. The aims for the conduct of the programmes are: -

- Updating the knowledge improving organizational and pedagogical skills of teachers.
- To update the knowledge providing an opportunity for interaction and mutual exchange of ideas between teachers interested and/or working in particular areas of specialization.
- Providing an opportunity for teachers to familiarize themselves with modern engineering practices, including the latest technological advances adopted by industry keeping in view the National needs and priorities and relevant technologies.
- Opening up before teachers new vistas in technology at the frontiers of knowledge and the challenges and opportunities these provide to the dedicated and hard working.

It is my pleasure to consider your program under this plan. In this connection sanction is hereby accorded to you for the conduct of the programme on self-financing basis under AICTE-ISTE Self Financing orientation/refresher programme.

Name of Institution

Dr. Ashok Gujar Technical Instt. Dr. Daulat

Rao Aher College of Engg., Karad - 415 124

Topic

Artificial Intelligence & Machine Learning

Name & Address of Coordinators

Mrs. Shital P. Karkade Mr. Ramchandra K.

Asst. Prof.

Asst. Prof.

Duration

One Week

(Minimum 05 Working Days)

Proposed dates

.

17-06-2019 to 21-06-2019

#### Terms and Conditions:-

The institution offering the Programmes should be approved by AICTE and must be Institutional Member of ISTE. Institutions having ISTE Faculty Chapter and Students Chapter shall be preferred. There will be no financial commitment on the part of ISTE on account of this programme. The fee of one proposal is Rs. 1180/- (Incl. 18% GST) paid by DD in favour of ISTE New Delhi along with proposal.

Shaheed Jeet Singh Marg, Near Katwaria Saria, New Dehli – 110 016

Phone: 91-11 26513542, 26963431, 26514234, Fax: 91-11 26852421, E mail: istedhq@vsnl.net, Website: www.isteonline.in

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- 2 ISTE Life membership is necessary to attend SF programmes. However, If any participant is not having life membership he/she may take membership of ISTE before the starting of the course and apply by paying the fee to the course coordinator at the spot before the commencement of the programme. The Life Membership fee Rs. 3540/- (Incl. 18% GST) to be paid by DD in favour of ISTE New Delhi.
- 3 This will be a full-time program and duration of 1 week/2 weeks/4 weeks.
- 4 A processing and operational charges @Rs.354/- (Incl. 18% GST)per participants including certificate printing and handling and postage charges is to be paid to ISTE Headquarters after the program along with the final report as mentioned in item 6 below.
- 5 The registration fee of the participants may be fixed by the host institution.
- Within 15 days after completion of the Programme the final report including list of participants (with their ISTE Membership Number or filled up application forms/list of non-members with Life Membership fee), detailed schedule of the programme with dates, copy of the course notes, list of resource persons invited with full address, contact details, topics, minimum five photographs and a video CD of selected sessions must be sent to ISTE Headquarters, Delhi along with a combined DD @Rs354/- per participant as mentioned above and membership fee for non-members, if any, in favour of "ISTE, New Delhi".
- As per the guidelines of AICTE, a test will be conducted by the institute at the end of the programme & copy of question paper, result sheet of the successful participants is to be submitted to ISTE. Certificates will be issued to those participants only who have attended the programme and have qualified in the test.
- 8 The EC/SMC Member of ISTE preferably from nearby area may be invited during the STTP.
- 9 Participation Certificates will be issued jointly by ISTE Hqs. & AICTE New Delhi to the participants. Course Coordinator to kindly ensure correctness of the names in the list/soft copy of participant's names to enable ISTE to print names exactly the same as appear in the list provided. ISTE HQs Delhi will send participation certificates back to the course coordinator ISTE will ensure that the certificates shall be issued only to those participants who meet the above norms.
- 10 The Programmes shall be considered for the Career Advancement Scheme of AICTE.

**Executive Secretary** 

To,

The Principal
Dr. Ashok Gujar Technical Institute Dr. Daulatrao Aher College of Engineering
Banawadi, Karad – 415 124
Maharashtra State

Copy to:

Mrs. Shital P. Kakade
Coordinator
Dr. Ashok Gujar Technical Institute Dr. Daulatrao Aher College of Engineering
Banawadi, Karad – 415 124
Maharashtra State





#### G.K. Gujar Memorial Charitable Trust's Dr. Ashok Gujar Technical Institute's

#### Dr. Ashok Gujar Technical Institute's, Dr. Daulatrao Aher College of Engineering, Karad.

Vidyanagar Ext. Banawadi, Tal. Karad 415124, Dist. Satara, Maharashtra INDIA

#### Department of Computer Science and Engineering

Date:- 13/06/2019

#### Notice

All the Computer science and Engg. Dept students are informed that our department is organizing 5 days workshop on ""Artificial Intelligence and Machine Learning" during 17<sup>th</sup> June to 21<sup>st</sup> June 2019, kindly attend the same.

Time: 09.30 a.m. to 05.30 p.m.

Venue: Computer Dept.

Coordinator

Mrs. S. P. Kakade

HOD

CSE Department





#### G. K. Gujar Memorial Charitable Trust's DR. ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD

## Inauguration of one week Short Term Training Program (STTP) Jointly Organized by Department of CSE & E&TC On "Artificial Intelligence and Machine Learning"

Under Lead College and approved by ISTE, New Delhi.

On 17th June 2019

#### Schedule

Time	Program
09.45 am	Gather in Auditorium
10.00 am	Arrival of Guests
10.05 am	Saraswati Poojan
10.10 am	Introduction of Guest & Felicitation
10.20 am	Brief introduction of STTP by HOD
10.25 am	Principal's speech
10.30 am	Vote of Thanks

Dr Ashat Gujar Technical Institute's ollege of Engineering, Karad





## G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING,KARAD

Vidyanagar Extn., Dist. Satara
Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

### "Artificial Intelligence and Machine Learning"

Date: 21/06/19

Workshop evaluation form

Your feedback is valuable for institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the organizer at the end of workshop. Thank you.

Vorkshop title:				
Name(optional):				
	Strongly	disagree	S	trongly agree
. The workshop has given me good understanding of subject matter.		0	X	2
<ol><li>The content of workshop has given exposure to real life engineering.</li></ol>		0	1	2
<ol> <li>The activities, worked examples &amp; handouts helped to understand the subject &amp; will be useful in designapplications.</li> </ol>	d me ning	0	1	2
<ol> <li>The instructor presented the material in an interesti engaging manner.</li> </ol>	ing &	0	1	2
<ol><li>I feel confident, I can apply what I learned in the w get optimum solutions.</li></ol>	vorkshop to	0	1	2
<ol> <li>I would be interested in attending a more advanced same subject.</li> </ol>	d workshop on	0	1	2
7. Please rate the following:	Excellent	Very go	od Good	Satisfactory
a. visuals		1		日
b. Acoustics				吕
c. Meeting space		H	H	ä
d. The programme overall	П	1	_	Access to the
8. What did you most appreciate/ enjoy/ think was be improvement?			y suggestion	for
•				284107



#### G.K. Gujar Memorial Charitable Trust's

## DR.ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING,KARAD

Department of Computer Science & Engineering

One Week Short Term Training Program on

"Artificial Intelligence and Machine Learning"

(17<sup>th</sup> June to 21<sup>st</sup> June 2019)

#### Schedule

Day / Date	09:30 - 11:15	T	11:30 - 01:00	T	02:00 - 03:45		04:00 - 05:30	
Monday 17/06/2019	Inauguration Function Dr. A. M. Mulla Principal, DACOE, Karad	T E	T	Introduction to Artificial Intelligence and Machine Learning	L	Machine learning algorithms	T E	Applications of Machine Learning
Tuesday 18/06/2019	Techniques of AI & Machine Learning	A B R	Supervised learning Unsupervised learning	N C	Semi-supervised and Reinforcement learning	A B R	Data preparation Feature engineering Feature scaling	
Wednesday 19/06/2019	Datasets Dimensionality reduction	E A K	Math Refresher, Concepts of linear algebra	B	Eigen values,eigen vectors, and eigen decomposition	E A K	Introduction to Calculus, Probability and statistics	
Thursday //06/2019	Regression and its types		Linear regression: Equations and algorithms	E A K	Classification Meaning and types of classification Logistic regression K-nearest neighbors		Support vector machines Kernel support vector machines	
Friday 21/06/2019	Clustering algorithms, K-means clustering		Meaning and importance of Deep Learning,		Artificial Neural Networks Tensor Flow		Valedictory	

Note: Morning breakfast and Tea time will be between 09:00 am - 09:30 am daily.

Dr. Daulatrao Aher College of Engineering, Karad

Principal



#### Jayesh Bapu Ahire Al Trainer, S.N.B.Tech, Pune

Email: jayeshbahire@gmail.com Website: www.jayeshbapuahire.me GitHub: https://github.com/jbahire Pune, Maharashtra, India - 411041.

#### SCHOLASTIC ACHIEVEMENTS:

- Awarded INSPIRE scholarship in my 1<sup>st</sup> year by the Ministry of Science and Technology, Government of India.
- Qualified for on-site round and semi-finals of Microsoft Imagine Cup 2019.
- Among top 2% participants of Google Hash Code 2019and was among top 1% participants of Hash Code 2018.
- Awarded by a title of Most Valuable Bloggerby Dzone.
- · Articles featured in publications including The Startup, The Good Audience, YourStory, Huffington Post and Many other respectable websites.
- Presentedwork onAl in Fintechat Princeton.
- Invited for Lightning talk on HyperLedger Fabric at IBM CodeMeetup.
- Delivered a session on Democratizing Alat Global Azure Bootcamp 2019.
- Selected as Research Intern at ETH Zurichfor Research in Learning & Adaptive Systems.
- Delivered a Session on AI & Blockchain integration at Global Blockchain Foundation's Inaugural Event in
- Participated in Smart India Hackathon 2018.
- Author of books in Al, Blockchain, Simulation Hypothesis and Information Theory domain.
- Presently involved in research projects on Neural Turing Machine and Information Theory.
- Collaborated with group of students from Tsinghua Universityon Research Project.
- Recorded among top 10 Julia developers in India and among top 15% in world according to Git Awards.

#### **TECHNICAL SKILLS**

Programming

Languages:

C, C++, Python, Java, R, Julia, HTML, PHP, CSS, Javascript

TensorFlow, Keras, Scikit-learn, Theano, Pandas, OpenMP, OpenCV, MPI(Message Libraries:

Passing Interface),

Parallel Patterns Library, NLTK, Spacy

Platform(OS) &

Containers:

Linux, Microsoft Windows, MacOS, Android | Kubernetes, Docker

Cloud Platforms:

AWS, Google Cloud, Microsoft Azure.



#### SOCIAL MEDIA AUTOMATION AND AI BASED SUPPORT BOT

(Oct 2017 - Jan 2018)

- NEARBUY.COM, PUNE
- Proposed new ways of Pushing services to clients according to relevance using ML capabilities.
- Designed and Developed AI based support bot using Reinforcement Learning and NLP.
- Automated Social media handles and marketing campaigns using Hootsuiteand also written some custom software for interlinking.
- Performedsentiment analysis on comments on all Social Media handles of company and generated report with proposed future changes in organizational strategies.

#### AUTOMATED EMPLOYEE MANAGEMENT & WORK DISTRIBUTION PLATFORM (Dec 2017)

BIRLA PRECISION TECHNOLOGIES LTD., NASHIK

- Developed automated employee management and work distribution system using RPA tools like Blue Prism and UI Path. During which I explored AI capabilities of Blue Prismand used them for same project.
- Strove for customer excellence between the sales and engineering department by providing prompt and efficient service whilst resolving matters in a timely manner using centralised system.
- Apart from working on project I learnt a lot about mechanical industry and understood core principles and elements over there.

#### WEB DEVELOPMENT & PR INTERN

(Aug 2017 - Oct 2017)

TRILEEHIRE TECH LLP, PUNE

Developed a Web Appfor company product using NodeJS.
 Worked on Relational Database management as a part of job. Used MYSQL and Oracle Database

Systems.

Wrote pitches, press releases, media alerts, and blog posts for company's various products.

#### WORK EXPERIENCE:

ADVANCED	IMAGE PROCESSING AND	
COMPUTER	VISION	(2018)

· Implemented algorithms for panoramic view generation using homography and 3D scene reconstruction from multiple 2D images of the same object from different angles and using the same camera.

#### BLOCKCHAIN DEVELOPMENT, **ETHEREUM**

(2018)

Developed a Blockchain simulator application using Javascript and Ethereum Blockchain.

 Developed command line application as well as interactive web app using NodeJSfor same project.

#### DATABASE MANAGEMENT, WEB DESIGN & DEVELOPMENT

(2017)

20 +1

- Developed an webapp using 5 APIs, namely GoogleMap, Twitter, Youtube, Flickr and Travellr to provide all information of a selected place.
- Interface developed using the Mootools JavaScript framework, HTML, PHP, Ajax and CSS, with MySQL as the backend database
- Also included Twitter trend analysis of different countries by using MACD stock indicator.

#### PUBLICATIONS:

Medium Blog — https://medium.com/@jayeshbahire

Dzone Blog — https://dzone.com/users/3143298/jbahire.html
Data Science Central Blog — https://www.datasciencecentral.com/profile/JayeshBapuAhire
The Good Audience — https://blog.goodaudience.com/@jayeshbahire

YourStory — https://yourstory.com/author/jayeshahire

Principal Dr Asha' Cular Technical Institute's of Engineering, Karad

- 6. Books Published -
  - · Artificial Neural Networks: The Brain Behind Al.
  - · Blockchain: The Future?
  - · Reality is a hypothesis
  - Reinforcement Learning: Looking Deeper
  - Managing complexity

#### POSITIONS OF RESPONSIBILITY:

#### ORGANIZER, PUNE ELASTICSEARCH MEETUP GROUP (20)

(2018 - PRESENT)

- Worked on professional growth of community members by conducting meetups on ElasticSearch and various elastic products.
- Assisted and Conducted Monthly meetups on various topics and delivered session as well.

#### ORGANIZER, PUNE DEVELOPERS COMMUNITY

(2018 - PRESENT)

- Professional Development: Assisted in the professional development of community members, local community groups and individual leaders by organizing detailed sessions on all latest technologies.
- Assisted and Conducted Monthly meetups on various topics and delivered sessions on cloud, Blockchain and Al.

#### ORGANIZER, GOOGLE DEVELOPERS GROUP NASHIK

(2019 - PRESENT)

- Working as an community mentor, guiding the team about conducting events and helping them with all other resources required.
- Organized Google Cloud Next Extended in Nashik and delivered a session on GCP's AI Platform.

#### CLUB PRESIDENT, MOZILLA CAMPUS CLUB SCOE (2019 - PRESENT)

- Organized and facilitated many sessions on Open Source Technologies.
- Promoting students to contribute in open source projects.

#### CAMPUS AMBASSADOR, DELL INC. (2017 - 2018)

 Representative for Dell Inc. at Sinhgad College of Engineering, responsible for organizing events on behalf of Dell Inc. at Sinhgad College of Engineering.

#### AI STUDENT AMBASSADOR, INTEL INC.

(2016 - PRESENT)

- Represented Intel AI at student communities. Conducted various sessions and workshops on Intel's AI offerings.
- Organized hackathons and Regular meetups at Sinhgad College of Engineering.

#### **EXTRA-CURRICULAR ACTIVITIES:**

- Recorded amongst the top 5% users on www.stackoverflow.com for 2 consecutive years. (2016-18)
- Recorded among top 10 Julia developers in Indiaand among top 15% in world according to Git Awards.
- Organizerof Google Cloud Next Extended and Google I/O Extended in Pune and Nashik.
- · Organized and Facilitated Machine Learning Study Jamin Pune sponsored by Google Clouds
- Organized MLH Localhost event in Pune sponsored by Twilio.
- Organized and Facilitated Blockchain Development Workshopin Sinhgad College of Engineering

MATLAB, Netbeans IDE, Eclipse, VSCode, Git, SVN, JIRA, Jenkins, JUnit, SoapUI.

Softwares:

Putty, zoho, Pycham,

Intellij IDEA, R Studio, VIM, VirtualBox, VMWare.

Documentation:

LaTeX, UML Diagrammer, BOUML

Database:

SQL, Oracle, Cassandra, PostgreSQL, Redis, MongoDB

Servers:

Apache Tomcat, BEA Weblogic, IBM Websphere, JBoss, GlassFish.

#### RELEVANT COURSES UNDERTAKEN / ONGOING:

ALGORITHMS – I & II

NATURAL LANGUAGE PROCESSING

ADVANCED GRAPH THEORY

PROGRAMMING AND DATA STRUCTURES

ARTIFICIAL INTELLIGENCE

INFORMATION RETRIEVAL

SWITCHING CIRCUITS AND LOGIC DESIGN

IMAGE PROCESSING

MACHINE LEARNING

OPERATING SYSTEMS

SOFTWARE ENGINEERING

SMARTPHONE COMPUTING AND

**APPLICATIONS** 

COMPILERS

ALGORITHMS FOR BIOINFORMATICS

COMPUTER ORGANIZATION AND

ARCHITECTURE

FORMAL LANGUAGES AND AUTOMATA

THEORY

#### INTERNSHIPS AND RESEARCH PROJECTS:

DEEPFAKE DETECTOR (Feb 2019 - Present)

OPEN SOURCE PROJECT MAINTAINER(Link:http://bit.ly/DeepFakeDetector)

Working on a project to develop Al for detecting deepfake videos.
 Project Objectives:

1. Video Signal change detection - QCToolsprovide various signals which can be used to detect any abnormal change in video.

2. Eye Gesture -Usually eye gesture and lip movement doesn't match completely with lip

movement

3. VGG Facial recognition-deepfake can be identified by passing the deepfake video through the VGG trained mode for the given personality which tell the confidence level of deepfake. If confidence levels dropped, it is likely to be deepfake video.

#### CORDITE (August 2018 - Present)

OPEN SOURCE PROJECT CONTRIBUTOR(Link:http://bit.ly/Cordite)

Cordite provides decentralised economics and governance services.

· Cordite is regulatory friendly, enterprise ready and finance grade. Cordite is an open source CorDapp, built on

· Cordite is being developed by a group of financial services companies, software vendors and open source contributors. I am one of the early contributors to this project

#### INVACT: INVESTMENT ASSET COMPARISON TOOL (July 2018 - Present)

OPEN SOURCE PROJECT OWNER(Link:http://invact.ml)

 The INVACT is anR Shiny Appthat facilitates the comparison of a myriad of assets... both traditional and crypto--across time.

. This tool is modularin nature, such that there are some parameters that affect the entire app

and others that only affect certain outputs.

This tool does comparative analysis on various degrees of complexities.

 This project focuses on using univariate time series forecastingmethods for the stock market index emphasizing on Box-Jenkins AutoRegressive Integrated Moving Average (ARIMA) modeling.







#### G. K. Gujar Memorial Charitable Trust's, Dr. Ashok Gujar Technical Institute's Dr. Daulatrao Aher College of Engineering, Karad.

#### Department of Computer Science & Engineering

#### **Details Of Revenue Generation:**

Sr. No.	Activity	Amount(Rs.)	
1.	Faculty from other academic institutions:11Participants (11 X 1500)	16500/-	
2.	UG/PG Students : 12 Participants (12 X 500)	6000/-	
3.	In-house faculty members :21 Participants (21 X 500)	10500/-	
4.	E&TC Students Association	3000/-	
5.	CSE Student Association	1500/-	
	Total Income(Rs.)	37500/-	

> Total Expenditure(Rs.): 52,501/- INR

> Total Estimated income(Rs.): 37500/- INR

So we need Rs.<u>15000/-</u> under lead college scheme Submitted for your approval and submission.

Prepared By : Course Coordinator

Name: Mrs S.P.Kakade

Approved By: Organizing Secretary

HOD CSE : Mr A.N.Patil

Principal
Dr. Ashok Gujar Technical Institute's
Dr. Druisdau Ahar College of Engineering, Karad



#### G. K. Gujar Memorial Charitable Trust's, Dr. Ashok Gujar Technical Institute's Dr. Daulatrao Aher College of Engineering, Karad.

#### Department of Computer Science & Engineering

#### **Detail Summary of Bills**

Details of Expenditure	Bill No.	Amount(Rs.)
Honororium to industry Resource Person Mr. Akshay D. Shitole(SNB Tech., Pune)	Check zerox	42,000/-
Registration Kits consisting of file folder, pen	Bill no-1636	1780/-
ISTE Proposal DD+Postage	The same of the sa	
Bouque+Flowers		1265/- 270/-
Breakfast+Tea of resource person		
Water Jar		222/-
Flex Printing		80/-
Lunch+Breakfast of resource person, participants	Bill no-4	350/- 3222/-
Dinner of resource person	Bill no.5	1450/
Certificate printing		1458/-
ISTE DD+postage (Certificate of participants)	Receipt No	300/- 1554/-
Total Expenditure		52,501/-
	Honororium to industry Resource Person Mr. Akshay D. Shitole(SNB Tech., Pune) Registration Kits consisting of file folder, pen ISTE Proposal DD+Postage Bouque+Flowers Breakfast+Tea of resource person Water Jar Flex Printing Lunch+Breakfast of resource person, participants Dinner of resource person Certificate printing	Honororium to industry Resource Person Mr. Akshay D. Shitole(SNB Tech., Pune)  Registration Kits consisting of file folder, pen ISTE Proposal DD+Postage Bouque+Flowers Breakfast+Tea of resource person Water Jar Flex Printing Bill no-777 Flex Printing Bill no-386 Lunch+Breakfast of resource person, participants Dinner of resource person Certificate printing Bill no-5 Certificate printing Bill no-73 Receipt No496

> Total Expenditure(Rs.): 52,501/-

So we need Rs.15000/- under lead college scheme Submitted for your approval and submission.

Prepared By : Course Coordinator,

Name: Mrs S.P.Kakade

Approved By: Organizing Secretary

HOD CSE : Mr A.N.Patil

Principal



### G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S

### DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD

Vidyanagar Extn., Dist. Satara

Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

### "Artificial Intelligence and Machine Learning"

Date: 21-6-2019

Workshop evaluation form

Your feedback is valuable for institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the organizer at the end of workshop. Thank you.

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#### G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S

DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD

Vidyanagar Extn., Dist. Satara Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

### "Artificial Intelligence and Machine Learning"

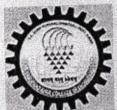
Date: 21-6-2019

Workshop evaluation form

Your feedback is valuable for institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

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## G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD

Vidyanagar Extn., Dist. Satara

Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

### "Artificial Intelligence and Machine Learning"

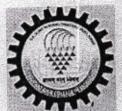
Date: 21-6-19

Workshop evaluation form

Your feedback is valuable for institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the organizer at the end of workshop. Thank you.

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### G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD Vidyanagar Extn., Dist. Satara Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

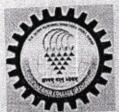
### "Artificial Intelligence and Machine Learning"

Workshop evaluation form

Your feedback is valuable for institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

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## G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULÄTRAO AHER COLLEGE OF ENGINEERING, KARAD Vidyanagar Extn., Dist. Satara

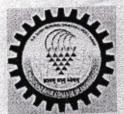
Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

## "Artificial Intelligence and Machine Learning" Workshop evaluation form

Your feedback is valuable for institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

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## G.K. Gujar Memorial Charitable Trust's DR. ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD Vidyangar Extr. Dist. Satara

Vidyanagar Extn., Dist. Satara

Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

### "Artificial Intelligence and Machine Learning"

Date:

Workshop evaluation form

Your feedback is valuable for institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

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## G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD Vidyanagar Extn., Dist. Satara

Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

### "Artificial Intelligence and Machine Learning"

Date: 21 Jun 2019

Workshop evaluation form

Your feedback is valuable for institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

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### G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD Vidyanagar Extn., Dist. Satara

Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

### "Artificial Intelligence and Machine Learning"

Date:

Workshop evaluation form

Your feedback is valuable for institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the organizer at the end of workshop. Thank you.

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#### G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD Vidyanagar Extn., Dist. Satara

Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

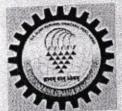
#### "Artificial Intelligence and Machine Learning" Workshop evaluation form

Date:

Your feedback is valuable for institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the organizer at the end of workshop. Thank you.

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### G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD Vidyanagar Extn., Dist. Satara Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

"Artificial Intelligence and Machine Learning"

Date: 21 - 6 - 19

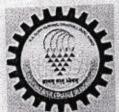
Workshop evaluation form

Your feedback is valuable for institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the organizer at the end of workshop. Thank you.

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### G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD

Vidyanagar Extn., Dist. Satara

Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

### "Artificial Intelligence and Machine Learning"

Date: 21 6119

Workshop evaluation form

Your feedback is valuable for institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the organizer at the end of workshop. Thank you.

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## G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD Vidyanagar Extn., Dist. Satara Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

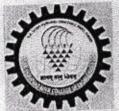
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Please return this form to the organizer at the end of workshop. Thank you.

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### G.K. Gujar Memorial Charitable Trust's DR. ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD Vidyanagar Extn., Dist. Satara

Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

### "Artificial Intelligence and Machine Learning"

Date: 21 6 ( 17

Workshop evaluation form

Your feedback is valuable for institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the organizer at the end of workshop. Thank you.

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Dr. Dauennyspulnesouspe effesjalsterhaltkand denad Dr. Daulatrao Aher College of Engineering Karad ledioning.



### G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING,KARAD

Vidyanagar Extn., Dist. Satara

Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

### "Artificial Intelligence and Machine Learning" Workshop evaluation form

Date: 21 6119

Your feedback is valuable for institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the organizer at the end of workshop. Thank you.

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Dr. Asnok Gujar Technical institute's Dr. Daulatrao Aher College of Engineering, Karad



### G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD

Vidyanagar Extn., Dist. Satara

Department of Electronics & Telecommunication Engineering . .

Department of Computer Science and Engineering

### "Artificial Intelligence and Machine Learning"

Date: 21-6-2019

Workshop evaluation form

Your feedback is valuable for institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the organizer at the end of workshop. Thank you.

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Vidyanagar Extn., Dist. Satara

Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

### "Artificial Intelligence and Machine Learning"

Date: 21-6-19

Workshop evaluation form

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Please return this form to the organizer at the end of workshop. Thank you.

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### G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD

Vidyanagar Extn., Dist. Satara

Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

### "Artificial Intelligence and Machine Learning"

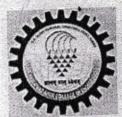
Date: 21-6-2019

Workshop evaluation form

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Please return this form to the organizer at the end of workshop. Thank you.

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### G.K. Gujar Memorial Charitable Trust's DR.ASHOK GUJAR TECHNICAL INSTITUTE'S DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD Vidyanagar Extn., Dist. Satara

Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

### "Artificial Intelligence and Machine Learning"

Date: 21/6/2017

Workshop evaluation form

Your feedback is valuable for institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the organizer at the end of workshop. Thank you.

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Dr. Ashok Gujar Technical Institute's Dr. Daulatrao Aher College of Engineering, Karad



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Department of Electronics & Telecommunication Engineering

Department of Computer Science and Engineering

### "Artificial Intelligence and Machine Learning"

Date: 21-6-2019

Workshop evaluation form

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Please return this form to the organizer at the end of workshop. Thank you.

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Dr. Ashok Gujar Technical Institute's Dr. Daulatrao Aher College of Engineering, Karad







## G.K.GUJAR MEMORIAL CHARITABLE TRUST'S

### DR.DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD DR. ASHOK GUJAR FECHNICAL INSTITUTE'S

Accredited with NAAC B+ Grade

Vidyanagar Extn. Banawadi, Karad, Dist: Satara. Pin: 415124

## Department of Electronics & Telecommunication Engineering Department of Computer Science & Engineering

Jointly Organized

ISTE, New Delhi Approved One Week STTP Under Lead College Activities.

17th June to 21st June, 2019



This is to certify that Dr./Mr./Ms. Anula S. Desai

from 17th June to 21st June, 2019. at AGTI's Dr. Daulatrao Aher College of Engineering ,Karad. Participated in one week STTP on "Artificial Intelligence and Machine Learning"

Co-ordinator

Salley S

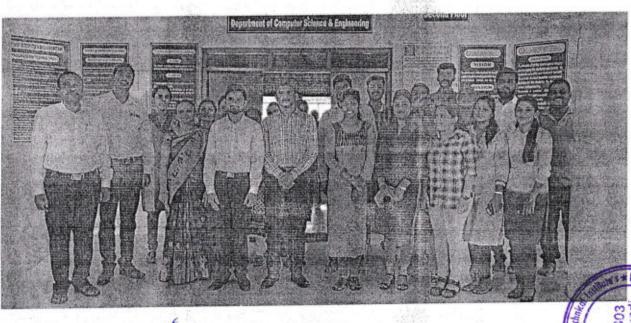
Prof. R.K. Gurav Prof. S.P. Kakade Prof. H.M. Co-ordinator

Ambhar Vice Principal

Dr. A. M. Mulla . Mr. Akshay Shitole

Director (SNB-Tech Pune)

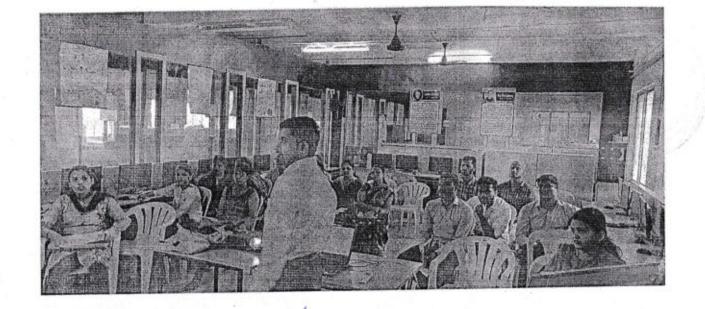




Principal

Dr. Ashok Gujar Technical Institute's

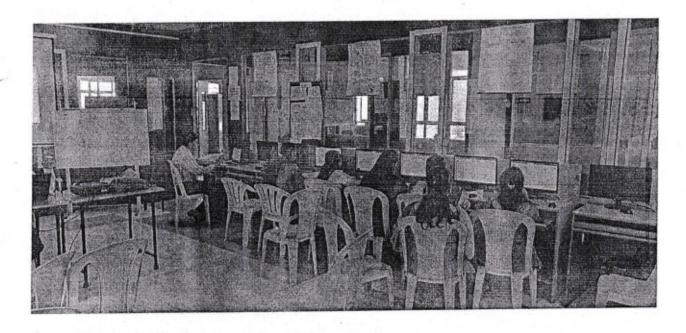
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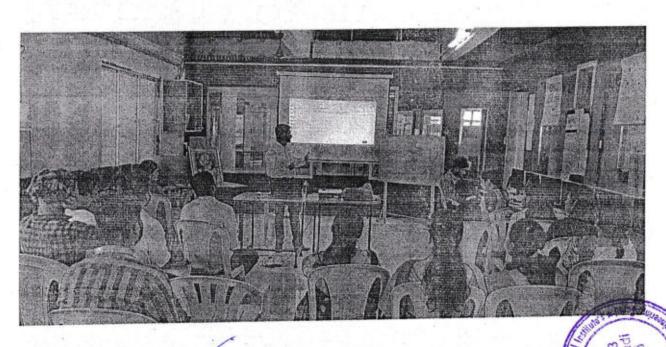




Dr. Ashok Gujar Technical Institute's
Dr. Daulatrao Aher College of Engineering, Karad







Principal
Dr. Ashok Gujar Technical Institute's
Dr. Dautal to Aher College of Engineering, Karad

- Delivered sessions at many local meetupson various topics including AI, Machine Learning, Blockchains, Cloud Computing etc.
- Volunteerat GDG Puneand Amazon Alexa Meetupin Pune.

Dr. Ashok Gujar Technical Institute's
Dr. Daulatrao Aher College of Engineering, Karad







DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD DR. ASHOK GUJAR TECHNICAL INSTITUTE'S G. K. GUJAR MEMORIAL CHARITABLE TRUST'S

Accredited with NAAC B+ Grade

Vidyanagar Extn. Banawadi, Karad, Dist: Satara. Pin: 415124

### Department of Electronics & Telecommunication Engineering Department of Computer Science & Engineering Jointly Organized

ISTE, New Delhi Approved One Week STTP Under Lead College Activities. 17th June to 21st June, 2019



# Certificate &



This is to certify that Dr./Mr./Ms. Sayali P. Shinde (DACOE, Karad)

Participated in one week STTP on "Artificial Intelligence and Machine Learning"

Prof. R.K. Gurav Prof. S.P. Kakade Co-ordinator

Co-ordinato

Prof. H. N. Kombhar Vice Principal

Principal

rdញ្ញី 17<sup>th</sup> June to 21<sup>st</sup> June, 2019. at AGTI's Dr. Daulatrao Aher College of Engineering, Karad Director (SNB Tech Pune) Mr. Akshay Shitole



### Department of Computer Science & Engineering

### Report

### ISTE approved STTP On "Artificial Intelligence and Machine Learning"

Department of CSE and E&TC , AGTI'S DACOE Karad had jointly organized one week STTP on "Artificial Intelligence and Machine Learning" from 17<sup>th</sup> June 2019 to 21<sup>st</sup> June 2019. This STTP was Approved by ISTE (ISTE/Proceedings/STTP-SF/MAH-054/2019-20 Date: June 3<sup>rd</sup>, 2019). In total 04 participants had participated in this STTP .

On first day i.e 17<sup>th</sup> June, STTP was inaugurated by Principal Dr. A.M. Mulla & HOD Prof. A.N. Patil. This was followed by first session of Mr. Jayesh Ahire In this session, he has provided explanation regarding Introduction to Artificial Intelligence and Machine Learning, Machine Learning algorithms and Applications of Machine Learning. On second session they covered Supervised learning, Unsupervised learning, Semi-supervised and Reinforcement learning.

On second day sessions were conducted by Mr. Jayesh B. Ahire and Mr. Akshay D. Shitole. In this session he has taken hands on on machine learning using python. Data Preprocessing- Data preparation, Feature engineering, Feature scaling, Datasets, Dimensionality reduction.

On third day he has taken concepts of Math Refresher like Concepts of linear algebra Eigen values, eigen vectors, and eigen decomposition, Introduction to Calculus Probability and statistic.

On fourth day he has taken Regression and its types, Linear regression: Equations and algorithms, Classification, Meaning and types of classification, Logistic regression, K-nearest neighbors, Support vector machines, Kernel support vector machines, Naïve Bayes, Decision tree classifier, Random forest classifier.

On fifth day he has given introduction to deep learning, Meaning and importance of Deep Learning, Artificial Neural Networks, Tensor Flow. After completion of session we had valedictory function in the presence of HOD CSE Prof. A.N.Patil and HOD E&TC Prof P. J. Chorage. In valedictory, Course completion certificate were distributed and Feedback of participants were taken.

STTP Co-Ordinator

Prof. S.P.Kakade

Prof. A.N.Patil

Principal

Dr. Ashok Gujar Technical Institute's

Dr. Daulatrao Aher College of Engineering, Karad







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### DR.DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD DR. ASHOK GUJAR TECHNICAL INSTITUTE'S

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Vidyanagar Extn. Banawadi, Karad, Dist: Satara. Pin: 415124

### Department of Electronics & Telecommunication Engineering Department of Computer Science & Engineering Jointly Organized

ISTE, New Delhi Approved One Week STTP Under Lead College Activities. 17th June to 21st June, 2019

### Certificate

his is to certify that Dr./Mr./Ms. Archang T. Mulik (DACOE, Karad

from 17th June to 21st June, 2019. at AGTI's Dr. Daulatrao Aher College of Engineering ,Karad Participated in one week STTP on "Artificial Intelligence and Machine Learning"

Prof. R.K. Gurav

Prof. S.P. Kakade Co-ordinator

Prof. H.M. Kumbha Vice Principal

Dr. A.M. Mulla Principal

Mr. Akshay Shitole

Mr. Akshay Shitole

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Department of Electronics & Telecommunication Engineering Department of Computer Science & Engineering

ISTE, New Delhi Approved One Week STTP Under Lead College Activities.

Jointly Organized

17th June to 21st June, 2019



# Lesson Certificate rose

This is to certify that Of. Mr. Mr. Ms. Sachin B. Avaghade (DA COE, Karad)

from 17th June to 21st June, 2019. at AGTI's Dr. Daulatrao Aher College of Engineering, Kara Participated in one week STTP on "Artificial Intelligence and Machine Learnings Intelligence

Anoth, Redwordsurray Prof. S.P. Kakade Prof. H. Nerkumbhar Co-ordinator Sound

Vice Principal

Director (SNB Tech Pune) Mr. Akshay Shitole





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This is to certify that Dr./Mr./Ms. Ashwini N. Mandale (DACOE, Karad)

from 17th June to 21st June, 2019. at AGTI's Dr. Daulatrao Aher College of Engineering, Karad Participated in one week STTP on "Artificial Intelligence and Machine Learning"

Co-ordinator Co-ordinator Gurav Prof. S.P. Kakade

Prof. H.M. Kumbhar Vice Principal

Director SNB Tech Pune Mr. Alkshay Shitole







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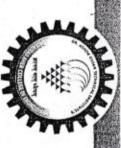
This is to certify that Dk./Mr./Mp. Sharifnawaz Y. Inamolar (DACOE, Karad)

from 17th June to 21st June, 2019. at AGTI's Dr. Daulatyro Aher College of Engineering, Karad. Participated in one week STTP on "Artificial Intelligence and Machine Learning"

Prof. R.K. Gurav Prof. S.P. Kakade Prof. H.M. Kumbhar

lice Principal O-ordinator

Director (SNB Tech Pune Mr. Akshav Shitole





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This is to certify that Dr./Mr./Ms. Shital P. Kakade (DACOE, Karad)

from 17th June to 21st June, 2019. at AGTI's Dr. Daulatrao Aher College of Engineering ,Karad. Participated in one week STTP on "Artificial Intelligence and Machine Learning"

Co-ordinator

Co-ordinator

Ashok Gujar Bernical Hasuma VaraProf. S.P. Kakade Prof. H.M. Kumbhar Vice Principal

Director (SNB Tech Pune Mr. Akshay Shitole





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### Department of Electronics & Telecommunication Engineering Department of Computer Science & Engineering Jointly Organized

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17th June to 21st June, 2019



S.D. Bandari (DACOE, Karad) This is to certify that Or./Mr./Ms.

from 17th June to 21st June, 2019. at AGTI's Dr. Daulatrao Aher College of Engineering ,Karad. Participated in one week STTP on "Artificial Intelligence and Machine Learning"

Co-ordinator

Sam Par

Prof. S.P. Kakade Prof. H.M. Kumbhar Vice Principal

Mr. Akshay Shitole Dr. A.\M.Mulla

Dr. Daulatrao Aher College of Engineering, Karad







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Certificate

rao Aher College of Engineering, Karad

Dr. Ashok Gujap Technical Institute's

Principal

This is to certify that Dr./Mr./Ms. Anula S. Desai

from 17th June to 21st June, 2019. at AGTI's Dr. Daulatrao Aher College of Engineering ,Karad. Participated in one week STTP on "Artificial Intelligence and Machine Learning"

Co-ordinator

A REPORT Co-ordinator

Prof. S.P. Kakade Prof. H.M. Klanbhar Vice Principal

> Dr. A. M. Mulla Principal

Director (SNB Tech Pune) Mr. Akshay Shitole





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Department of Electronics & Telecommunication Engineering Department of Computer Science & Engineering Jointly Organized

ISTE, New Delhi Approved One Week STTP Under Lead College Activities. 17th June to 21st June, 2019



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This is to certify that Dr./Mr./Ws. Ashish N. Patil (DACOE, Karad)

क्लिल 17™ June to 21⁵ June, 2019. at AGTI's Dr. Daulatrao Aher College of Engineering, Karad∠ Participated in one week STTP on "Artificial Intelligence and Machine Learning"

Dr. Ashok Gujar Technical Institute's Daulatrao Aher College er Engineering, Karad

Prof. R.K. Gurav Prof. S.P. Kakade Prof. H.M. Kumbhar Co-ordinator

Vice Principal Co-ordinator

Dr. W. Mulla

Mr. Akshay Shitole Director (SNB Tech Pune)



### Department of Computer Science & Engineering

One week ISTE approved STTP On "Artificial Intelligence and Machine Learning"

(17th June to 21st June 2019)

### Attendance

Date: 21/06/2019

Sr. No.	Name Of Participants	Session –I	Session-II
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8 .	Patil Nikita N	Natil	Noctil
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Dr. Ashok Gujar Technical Institute's

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### Department of Computer Science & Engineering

One week ISTE approved STTP On "Artificial Intelligence and Machine Learning"

(17th June to 21st June 2019)

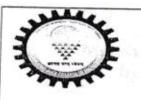
### Attendance

Date: 20/06/2019

Sr. No.	Name Of Participants	Session –I	Session-II
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3	Garad Swara S.	Sperns	Samo
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STTP Coordinator

Dr. Ashok Gujar Technical Institute's Dr. Daulatrao Aher College of Engineering, Karad



### Department of Computer Science & Engineering

One week ISTE approved STTP On "Artificial Intelligence and Machine Learning"

(17<sup>th</sup> June to 21<sup>st</sup> June 2019)

### Attendance

Date: 19/06/2019

Sr. No.	Name Of Participants	Session -I	Session-II
1	Swarali S. Garud	Jares	Bores
2	Nikita N. Patil	Matil	Part
3.	Alisha K. Madaf.	Aladat	Modat
4.	Shinde Kiean Vasant	(KuShinde	Wyshinde
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Dr. Ashok Gujar Tachnical Institute's
Dr. Daulatrao Aher College of E. Janeering, Karad





### Department of Computer Science & Engineering

One week ISTE approved STTP On "Artificial Intelligence and Machine Learning"

(17th June to 21st June 2019)

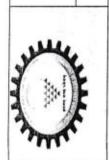
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Date: 18/06/2019

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7.	Patil Jeycleep Jeyvant Hadaf Alisha Kalim	Watil	Watel,
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Dr. Ashok Gujar Technical Institute's
Dr. Davistan Aher College of Engineering, Karad





Department of Computer Science & Engineering

One week ISTE approved STTP On "Artificial Intelligence and Machine Learning"

(17th June to 21st June 2019)

### Attendance

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Principal
Dr. Ashok Gujar Technical Institute's
Dr. Daulatrao Aher College of Engineering, Karad

STTP Coordinator



### Department of Computer Science & Engineering

One week ISTE approved STTP On "Artificial Intelligence and Machine Learning"

(17th June to 21st June 2019)

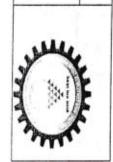
### Attendance

Date: 17/06/2019

Sr. No.	Name Of Participants	Session –I	Session-II
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Dr. Ashok Gujar Technical Institute's
Dr. Daulatrao Aher College of Engineering, Karad

STTP Coordinator



Department of Computer Science & Engineering

One week ISTE approved STTP On "Artificial Intelligence and Machine Learning"

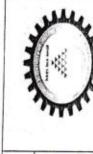
(17th June to 21st June 2019)

### Attendance

Abelia Apelia Ap	Sr. No.	Name Of Participants		2019	18th Jun	18th June 2019	19 <sup>th</sup> Ju	19th June 2019	20th Jur	20th June 2019	21st June 2019	e 2019
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Dr. Ashok Gujar Technical Institute's Dr. Daulatrao Aher College of Engineering, Karad

STTP Coordinator



Department of Computer Science & Engineering

One week ISTE approved STTP On "Artificial Intelligence and Machine Learning"

(17th June to 21st June 2019)

### Attendance

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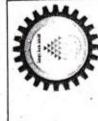
Principal

Dr. Ashok Gujar Jechnical Institute's Dr. Daulatrao Ahar College of Engineering, Karad

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9	Mr. V. V. Rangale		७ ८५८१ ७८७ ६३	vyranjate, mech @	2006	Q 0
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Principal
Dr. Ashok Gujar Technical Institute's
Dr. Daulatrao Aher College of Engineering, Karad



### Department of Computer Science & Engineering

One Week STTP under lead college and approved by ISTE New Delhi

"Artificial Intelligence and Machine Learning" (17<sup>th</sup> June – 21<sup>st</sup> June, 2019)

(17" June – 21st June, 2019)

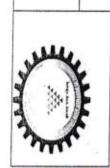
Registration Details of Participants

Sr. No	Name of Participant	Contact No.	Mail Id	Amount. Paid
1	Pallan Afreen Japan	7718092948	afreenpallangus@gnail	200
2	Mandal Poola Ray	0084885088	poojamander 33 Oagmail	500
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Principal

Dr. Ashok Gujar Technical Institute's

Dr. Daulátrao Aher College of Engineering, Karad



Department of Computer Science & Engineering

One week ISTE approved STTP On "Artificial Intelligence and Machine Learning"

(17th June to 21st June 2019)

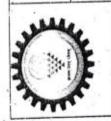
### Registration Details of Participants

				DIN V STREET	SIEU
Mr. A.N. Patil  Mr. S.Y. Dnamdar  Ms. A.T. Munik  Ms. A.N. Mandle  Ms. D. R. Kambale  Ms. S. P. Skinde  Ms. S. P. Skinde	BACOE	9960022681	Sureabandari	500/-	3
Mr. S. Y. Dramdar — Mrs. A.T. Munik — Mrs. A.N. Mandle — Mrs. D. R. Kambale — Mrs. S. P. Shinde — Mr. S. P. Shinde — Mr. S. P. Shinde — Mr. S. P. Shinde —	Acoe	7588587316	25 Hopen 140	100%	Let of
MS. S. P. Rakade MS. A.N. Mandle MS. D. R. Kambale MS. S. P. Shinde Mr. S. P. Shinde		9595863003	Sharifnawaz 12@gmillom	7005	Sware
MS. A.T. Munik  MS. A.N. Mandle  MS. D. R. Kambale  MS. S. P. Shinde  Mr. S. P. Shinde	]	77096524280	Shital KITO Ognal)	Jans	Salves
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2	My Burn to S St.		8308551599	Schalgarkund 187	1005	Sungstar
13	Mr. S.K. Bhise		25616161x7	CKINKER @ Barock		38
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Dr. Ashok Gujar Technical Institute's Dr. Daulatrao Ahar College of Engineering, Karad



### Department of Computer Science & Engineering

One Week STTP under lead college and approved by ISTE New Delhi On

"Artificial Intelligence and Machine Learning" (17th June – 21st June, 2019)

Registration Details of Participants

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