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St. JOSEPH'S INSTITUTE OF TECHNOLOGY
St. JOSEPH'S GROUP OF INSTITUTIONS
OMR, CHENNAI - 600 119



Department of Information Technology
(Accredited by NBA)



A report on
Five Days Online Short Term Training Program on
“Machine Learning”

27th to 31st July 2020

Brochure



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In Association with CSI- Kancheepuram Chapter

Proudly Organizes Five Days STTP on
"Machine Learning"



<https://tinyurl.com/y76hfza7>
27th to 31st July, 2020
11.00 am to 12.30 pm
8825891446
sjitit.sttp@gmail.com



Dr. P. Ranjana
Professor
Department of Computer Science and Engineering
Hindustan Institute of Technology and science

Day 1 (27th July 2020)
Machine Learning Algorithms for Computational problem Solving



Dr. N. Priya
Associate Professor
PG Department of Computer Science
SDNB Vaishnav College for Women

Day 2 & 3
(28th & 29th July 2020)
Advanced Machine Learning in Tensorflow and Keras



Mr. Prakash Kumar Babu
Technology Analyst
Data and Analytics Unit Infosys Limited

Day 4 & 5
(30th & 31st July 2020)
Big Data and Machine Learning



Free Registration & E-certificate will be provided to all the active participants.

PATRONS

Dr. B. Babu Manoharan M.A., M.B.A., Ph.D
Chairman, St. Joseph's Group of Institutions

Mrs. B. Jessie Priya M.Com
Managing Director, St. Joseph's Group of Institutions

Mr. B. Shashi Sekar M.Sc.
Director, St. Joseph's Group of Institutions

Dr. P. Ravichandran M.Tech., Ph.D
Principal, St. Joseph's Institute of Technology

CONVENORS

Dr. S. Kalarani M.E., Ph.D
Professor & Head (Staff and Student Affairs)

Dr. R. Priscilla M.E., Ph.D
Professor & Head (Lab Affairs)

CSI Chapter Patrons

Dr. Rajeswari Mukesh
Chairman, KPM Chapter
Dr. M. Murugan
Vice Chairman, KPM Chapter
Dr. M. Senthil Kumar
Hon. Secretary, KPM Chapter
Dr. J. Frank Vijay
Hon. Treasurer, KPM Chapter

Coordinators

Dr. S. Kalarani M.E., Ph.D
Professor
Dr. S. Nikkath Bushra M.E., Ph.D
Associate Professor
Dr. L. Javid Ali M.E., Ph.D
Associate Professor
Ms. S. Anslam Sibi M.E
Assistant Professor

Program summary

A Short Term Training Program on “Machine Learning” was conducted through GoToMeet Live from 27th to 31st July 2020 timing 11.00 am to 12.30 pm. The invitation for this program was designed and shared through mail and social media. The registration link shared with the participants was <https://tinyurl.com/y76hfza7>.

The response was seen in the form of 496 registration from faculty, research scholars, students and ML aspirants from all over India and UAE. As per request from various participants, we have uploaded the recorded session in YouTube.

No of participant registered : 496

No of participants Attended : 247

Tamilnadu :137

Other state :102

Oman : 08

No of Participants given E- certificate : 247

No of institutions participated : 133

Tamilnadu : 72

Other state : 55

Oman : 06

No of Government Institutions Particated : 11

No of Private institutions Participated : 122

No of Participants from St. Joseph’s Group of institutions: 13

State – wise list of colleges participated

State / Country	Name of The Institution / Organization
Allahabad	Cmp College, University Of Allahabad (A Central University)
Andhra Pradesh	A.G & S.G Siddhartha College Bit Institute Of Technology G Pulla Reddy Engineering College(Autonomous) Kurnool Klef (Deemed To Be University) Narayana Engineering College Gudur S V College Of Engineering Sasi Institute Of Technology And Engineering Sree Vidyanikethan Engineering College Sri Durga Malleswara Siddhartha Mahila Kalasala Sri Venkatesa Perumal College Of Engineering And Technology

	St.Mary's Group Of Institutions Guntur Velagapudi Ramakrishna Siddhartha Engineering College Wise
Chhattisgarh	Kamla Nehru Mahavidyalaya, Korba, Chhattisgarh
Gujarat	Tmes Institute Of Computer Studies
Jammu & Kashmir	Kashmir University
Karnataka	Acharya Institute Of Technology Bangalore Institute Of Technology Kct Engineering College Kls Shri Vasant Rao Potdar Polytechnic Osmania University Sbmjc-Kgf Vtu Pg Centre Mysuru
Kerala	Federal Institute Of Science And Technology Ies College Of Engineering Lourdes Matha College Of Science And Technology Sree Buddha College Of Engineering Sri Manakula Vinayagar Engineering College T K M Institute Of Technology Thejus Engineeing College
Maharashtra	L D Sonawane College Kalyan Mgm's Jnec
Madhya Pradesh	Dr. Harisingh Gour Vishwavidyalaya Ggits, Jabalpur SrK University Bhopal
Odisha	Ravenshaw University
Pondicherry	Christ College Of Engineering And Technology Saradha Gangadharan College
Tamilnadu	(Vistas) Vels Institute Of Science Technology And Advanced Studies, Pallavaram, Chennai A. P. C. Mahalaxmi College For Women, Thoothukudi Alagappa University Anna University Annamalai University Arignar Anna Institute Of Science And Technology Avinashilingam Institute For Home Science And Higher Education For Women Bannari Amman Institute Of Technology Bharath Corporate, India Bharath Institute Of Higher Education And Research C.S.I. College Of Arts And Science For Women Caussanel College Of Arts And Science Dhanraj Baid Jain College Dharmapuram Gnanambigai Government Arts College(Women), Mayiladuthurai Dr. Umayal Ramanathan College For Women Dwaraka Doss Goverdhan Doss Vaishnav College E. M. G. Yadava Women's College

Emis
Erode Sengunthar Engineering College
Government Arts And Science College Gudalur, The Nilgiris
Hindustan College Of Arts & Science Chennai
Hindustan Institute Of Technology And Science
Idhaya College For Women, Sarugani
Institute Of Road And Transport Technology
Jeppiaar Srr Engineering College
K. Ramakrishnan College Of Technology
K. S. Rangasamy College Of Technology
K.L.N College Of Engineering
K.S.Rangasamy College Of Arts And Science
Kcg College Of Technology
Kit-Kalaigarkarunanidhi Institute Of Technology
Kpr Institute Of Engineering And Technology
Kumaraguru College Of Technology
Lady Doak College
Madras Christian College
Madras University
Madurai Sivakasi Nadars Pioneer Meenakshi Women's College
Mahendra Institute Of Technology
Mepco Schlenk Engineering College (Autonomous)
Mohamed Sathak Aj College Of Engineering
Mother Teresa Women's University
Nandha Engineering College (Autonomous)
National Engineering College
New Prince Shri Bhavani Arts And Science College
New Prince Shri Bhavani College Of Engineering And Technology
P S R Engineering College
Quaid-E-Millath Government College For Women, Chennai-02
Raja Doraisingam Govt. Arts College, Sivagana
Rdb College Of Arts And Science
S.D.N.B.Vaishnav College For Women
Sathyabama Institute Of Science And Technology
Shrimati Indira Gandhi College,Trichy
Sri Krishna Arts And Sciences College
Sri Ramakrishna Institute Of Technology
Srm Institute Of Science And Technology
Srm Valliammai Engineering College
Sss Shasun Jain College For Women
St. Joseph's College (Autonomous), Trichy-2
St. Joseph's College Of Engineering
St. Joseph's Institute Of Technology
Stella Maris College (Autonomous), Chennai
Syed Ammal Engineering College
Tcs
Thassim Beevi Abdul Kader College For Women
Thiagarajar College Of Engineering

	Veerammal Engineering College Velammal Engineering College Vels Institute Of Science Technology And Advanced Studies(Vistas) Chennai, Tn Vi Institute Of Technology
Telangana	Aurora's Degree & Pg College Chaitanya Bharathi Institute Of Technology G. Narayanamma Institute Of Technology & Science Jyothishmathi Institute Of Technology And Science Mahatma Gandhi Institute Of Technology Nalla Malla Reddy Engg.College R.B.V.R.R. Women's College Sbit Sphoorthy Engineering College Swarna Bharathi Institute Of Science & Technology Vaagdevi College Of Engineering
Uttar Pradesh	Al- Barkaat Institute Of Education, Aligarh Central Institute Of Plastics Engineering And Technology, Lucknow Rvit Bijnor
Oman	Birla Public School,Doha-Qatar Ibri College Of Technology New Indian School Nms -Dps Bahrain Shinas College Of Technology University Of Bolton

SESSION SUMMARY

The Five days Online Short Term Training Program on “Machine Learning” was organized by Department of Information Technology, St.Joseph’s Institute of Technology in association with Computer Society of India, Kancheepuram Chapter from 27th to 31st July 2020. The Chief guest of the event was **Dr.Rajeswari Mukesh**, Chairman CSI Kancheepuram chapter.

The Welcome Address was given by Dr.L.Javid Ali, Associate Professor, department of Information Technology, St.Joseph’s Institute of Technology, welcomed all participant from various college . Dr.Kalarani, Professor and Head of Staff & Student Affairs, department of Information Technology, St.Joseph’s Institute of Technology ,shared her view on organizing this STTP. The Chief Guest welcome address was given by Ms.S.Anslam Sibi, Assistant Professor, department of Information Technology, St.Joseph’s Institute of Technology. The Vote of Thanks was given by Dr.S.Nikkath Bushra, Associate Professor, department of Information Technology, St.Joseph’s Institute of Technology, thanked the management and all participant from various college.

Day 1	27 th July 2020
Topic	Machine Learning Algorithm for Computational Problem Solving
Speaker	Dr. P. Ranjana Professor Department of Computer Science and Engineering Hindustan Institute of Technology and science

The first day session on 27th July 2020 was started by **Dr. P. Ranjana**, Professor, Department of Computer Science and Engineering, Hindustan Institute of Technology and science gave the introductory talk on Machine Learning Algorithm for Computational Problem Solving. She shared her knowledge about machine learning concepts and insight about Reinforcement Learning.

Day 2 & 3	28 th & 29 th July 2020
Topic	Advanced Machine Learning in Torsorflow and Keras
Speaker	Dr.N.Priya Associate Professor PG Department of Computer Science SDNB Vaishnav College for Women

The Second and Third day session on 28th & 29th July was handled by **Dr.N.Priya**, Associate Professor, PG Department of Computer Science, SDNB Vaishnav College for Women. In the Second session, She gave insight knowledge about Machine Learning and Deep Learning. Practical session was given on how to implement Deep learning with numerical dataset in Jupyter Notebook with TensorFlow and Keras. In the third day session, practical knowledge was shared about how to work with image dataset in various Deep Learning algorithms.

Day 4 & 5	30 th & 31 st July 2020
Topic	Big Data and Machine Learning
Speaker	Mr.Prakash Kumar Babu Technology Analyst Data and Analytics Unit Infosys Limited

The Fourth and fifth day session was handled by **Mr.Prakash Kumar Babu**, Technology Analyst, Data and Analytics Unit Infosys Limited. The fourth day session was about relationship between Big data and Machine Learning. He shared how to develop Hadoop and map reduce in Google cloud platform. Fifth day session was about Machine Learning algorithm implementation in Google Cloud Platform and how to select the algorithm for a given dataset and train the machine.

The YouTube links for the 5 session are listed here

Day 1	https://youtu.be/NeGkHwzrgG0
Day 2	https://youtu.be/xPwch8wt8y8
Day 3	https://youtu.be/iufwGK6RzRQ
Day 4	https://youtu.be/4M6JV50ox7w
Day 5	https://youtu.be/Plt5EmEBEu8

FEEDBACK

Day 1 - Machine Learning Algorithm for Computational Problem Solving

1.	Madam gave neat insight of Machine Learning.
2.	Excellent session
3.	Kindly suggest real world examples with data set

4.	Presentation was good and informative. The only problem I felt was the speed of presentation, but it was necessary since we don't have much time. So Thank you so much
5.	Thank you. Kindly provide some simple examples to understand better
6.	Well Organized
7.	crystal-clear explanation ma'am
8.	The session is very good and useful.
9.	Professor Dr.P.Ranjana, explained even the tough things with simple examples made me to understand the algorithms and when to use, where to use. Thank you, organizers, for bringing such a fantastic Resource Person.
10.	very well explained... thank you mam
11.	The explanation was really very impressive. Presentation was very good.
12.	Need Installation of Dlib tomorrow.Please clarify
13.	Thank you for wonderful session mam. Willing to join future session also
14.	Extra ordinary explanation given for Reinforcement Learning
15.	Would appreciate more hands-on practical programming sessions. Overall, very informative presentation.
16.	Thankyou Maam,the session was very informative.If you could explain a bit slower , we would appreciate better.
17.	Hands-on Training would be effective.
18.	Useful for my research
19.	Good Knowledge Sharing
20.	Learnt new tools
21.	Very useful and informative session. Thanks for the organizing team.
22.	very helpful for my ph.d and if possible share links of the recorded sessions sir/madam
23.	Very very informative. Expecting More webinar on Deep Learning
24.	Keep doing 15 days FDP Sessions also
25.	I am interested to participate in future sessions organized and thank you.

Day 2 & 3 - Advanced Machine Learning in Torsorflow and Keras

1.	Interesting topic and was taught wonderfully
2.	Hands on session was good and informative
3.	GREAT SESSION
4.	LOOKING FORWARD FOR NEXT TRAINING
5.	INFORMATIVE AND RELEVANT
6.	Lot of research takeaways were given by the speaker.
7.	Very Lucid presentation. Appreciations to the Resource Person Dr. Priya.
8.	Very nice presentation today and yesterday sessions. Thanks for the organizing team.
9.	Kindly provide a FDP on Deep learning alone , Time series Analytics
10.	Excellent Organised thanks to all
11.	It's very useful to my knowledge
12.	Nice session and understandable
13.	I thank and appreciate trainer and the organisers. Wishing you all the very best
14.	The session was very useful for our studies.
15.	Very clear and informative explanation. Easy and understanding presentation.
16.	Crystal clear presentation, thank you for organizing team.

17.	Please provide code as well as the materials shared in these sessions
18.	Very useful and informative sessions
19.	Dr.Priya madam ,you have excellently presented the concepts and gave us good knowledge on ML,Deep learning ,tensor flows,keras etc, thank you organizers for your sincere effort in organizing this event
20.	very informative and we'll explained mam..thank you
21.	Concepts clearly explained
22.	Very well-informed resource persons and good presentation
23.	madam, explanation is very clear.
24.	Very good explanation and informative session.
25.	Very well explained. please give some assignments.
26.	Good Knowledge Sharing
27.	VERY USEFUL TO ME. excellent presentation
28.	Highly informative and useful in both theory and practical aspects
29.	Super session by Dr Priya. Thank you so much for this.
30.	Fantastic Training Program! The Resource Person Dr.N.Priya mam nailed the concept of deep learning in depth. Explained all concepts in lucid manner and everyone can understand and start working on the idea. Thanks a lot for St.Josteph's Institute of Tech for organizing such a program with great persons in the field
31.	Thanks for the organizers. Well executed.
32.	Amazing explanation of Nueral Network.
33.	Very useful to get more informations about machine learning
34.	Nice presentation and thank for organizing team
35.	It's very nice presentation and informative... thank u priya mam...
36.	Highly Commendable session
37.	Very good session. Would like to see more of tensorflow programming.
38.	Tensorflow and keros explained clearly
39.	Keep doing 15 days FDP Sessions also
40.	I am interested to participate in future sessions organized and thank you.

Day 4 & 5 - Big Data and Machine Learning

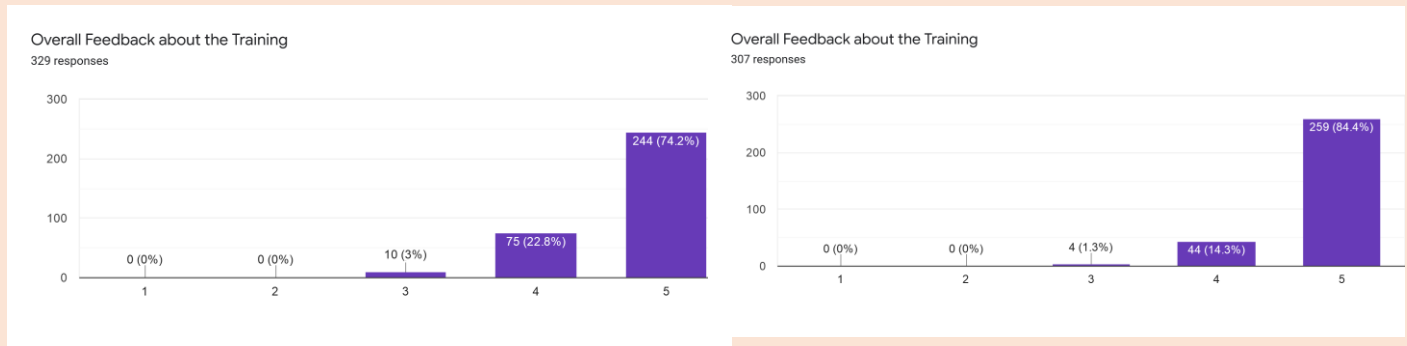
1.	Thank you, Very Much for the Organizers... Keep it Up
2.	VERY INFORMATIVE SESSION. THANKS FOR SUCH STTP INITIATIVES.
3.	Wonderful sir, As the last feedback, I request to conduct more such workshops.Thankyou
4.	IT WAS VERY NEEDFUL STTP ON MACHINE LEARNING
5.	Kindly arrange fdp on Google cloud and other facilities by google
6.	Very informative and knowledgeable session
7.	Event was well scheduled and overall sessions were very effective and informative.
8.	Very well-organized program with good resource persons. Thank you, organizers.
9.	All the session are more informative and more useful for me for teaching ML for my students. Thanks for Organizers
10.	Conduct more webinar like this
11.	nice topics chosen and well organised
12.	Very nice presentation today lecture. Thanks for the organizing team.
13.	Hands on required

14.	LEARN MORE IN THIS TRAINING
15.	Well organised.nice and informative sessions
16.	Excellent explanation of Bigdata tool. Thank you, Prakash and all Organizers.
17.	Practical oriented
18.	Looking forward for more of this kind Sessions
19.	Very informative and wonderful session. Really very easy and simple explanation.
20.	Excellent Organised all the 5 days thanks
21.	It was a wonderful session thanks for coordinating it. All these days were really valuable and so informative Thanks Sibi and Nikkath mam for coordinating all these 5 days session.
22.	Sessions were arranged Excellent
23.	Need Big data implementation
24.	I learnt important concepts of ML
25.	Fantastic Program
26.	The 4th &5th day was a amazing session I experienced thank you for ur wonderful organization
27.	Helpful for better understanding of topic
28.	Keep doing 15 days FDP Sessions also
29.	I am interested to participate in future sessions organized and thank you.

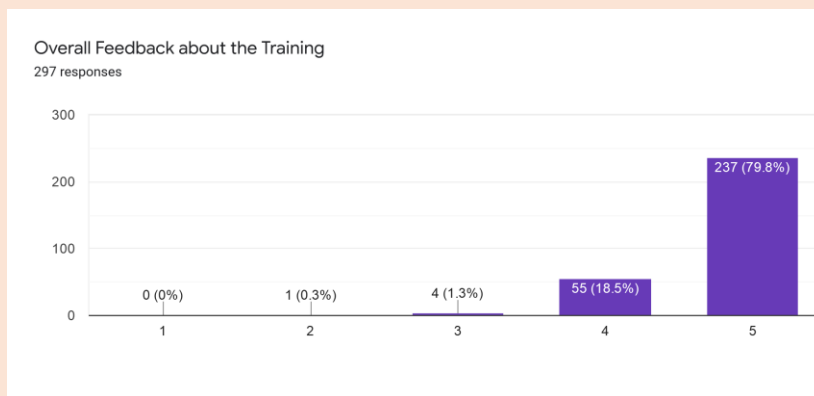
OVERALL FEEDBACK STATISTICS FROM THE PARTICIPANTS

Day 1

Day 2 & 3



Day 4 & 5



PARTICIPATION CERTIFICATE



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Certificate of Participation

This is to certify that **Ms. SUMI VINOD**, of **INDIAN SCHOOL, RAK, UAE** has participated in Five days Online Short Term Training Program (STTP) on "**Machine Learning**" organized by Department of Information Technology, in association with **Computer Society of India (CSI), Kancheepuram chapter** from 27th to 31st July 2020.

Dr.S.Kalarani
HOD , IT

Dr.P.Ravichandran
PRINCIPAL

Dr.M.Murugan
VICE CHAIRMAN
KPM Chapter

Dr.Rajeswari Mukesh
CHAIRMAN
KPM Chapter



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Certificate of Participation

This is to certify that **Dr. L.SURIYA KALA**, of **Saradha Gangadharan College** has participated in Five days Online Short Term Training Program (STTP) on "**Machine Learning**" organized by Department of Information Technology, in association with **Computer Society of India (CSI), Kancheepuram chapter** from 27th to 31st July 2020.

Dr.S.Kalarani
HOD , IT

Dr.P.Ravichandran
PRINCIPAL

Dr.M.Murugan
VICE CHAIRMAN
KPM Chapter

Dr.Rajeswari Mukesh
CHAIRMAN
KPM Chapter

HONOR CERTIFICATE

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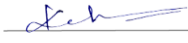
Certificate of Honor


This certificate is presented to honor


Dr. P. Ranjana
Professor, Department of Computer Science and Engineering
Hindustan Institute of Technology and science

In recognition and grateful appreciation for delivering one day session on topic "Machine Learning Algorithm for Computational Problem Solving" in the Five Days Online Short Term Training Programme on "Machine Learning" organized by the department of Information Technology, in association with Computer Society of India (CSI), Kancheepuram chapter.

27th to 31st July 2020


Dr.S.Kalarani
HOD , IT


Dr.P.Ravichandran
PRINCIPAL



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Certificate of Honor


This certificate is presented to honor


Dr. N. Priya
Associate Professor, PG Department of Computer Science
SDNB Vaishnav College for Women

In recognition and grateful appreciation for delivering two days session on topic "Advanced Machine Learning in Tensorflow and Keras" in the Five Days Online Short Term Training Programme on "Machine Learning" organized by the department of Information Technology, in association with Computer Society of India (CSI), Kancheepuram chapter.

27th to 31st July 2020


Dr.S.Kalarani
HOD , IT


Dr.P.Ravichandran
PRINCIPAL



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Mr. Prakash Kumar Babu
Technology Analyst
Data and Analytics Unit Infosys Limited

In recognition and grateful appreciation for delivering two days session on topic "Big Data and Machine Learning" in the Five Days Online Short Term Training Programme on "Machine Learning" organized by the Department of Information Technology, in association with Computer Society of India (CSI), Kancheepuram chapter.

27th to 31st July 2020


Dr.S.Kalarani
HOD , IT


Dr.P.Ravichandran
PRINCIPAL

