Summary Report

On

National Level One Week Short Term Training Program on

"Machine Learning"

In association with

"ISTE-New Delhi, IE-Aurangabad, LCCIA Pune & Internal Quality Assurance Cell, Sant Gadge Baba Amravati University

Department of Computer Science and Engineering of Padm. Dr. V. B. Kolte College of Engineering, Malkapur (VBKCOE) conducted **National Level One Week Short Term Training Programme on "Machine Learning"** From 15th to 19th June. We know that this is very critical condition for the world to face the disease –COVID-19. But utilize this lockdown period effectively we conduct this training programme which will enrich the knowledge of faculties, research scholar, PG and UG students.

The number of faculties, research scholar, and PG students were participated for this STTP from various disciplines, and states form India.

Programme	Department of Computer Science and Engineering
Title of course	**STTP On "Machine Learning"**
Scheduled Date	**15th to 19th June 2020**
Programme Convener	Prof. Y. B. Jadhao
	Prof. A. A. Maha
Programme coordinator	Prof. M. U. Karande
	Prof. M. V. Shastri
Organizing Committee	Prof. S. L. Farpat
	Prof. G. V. Patil
	Prof. B. B. Thakare
Principal	Dr. A. W. Kharche
	Padm. Dr. V. B. Kolte College of Engineering
	Malkapur Dist-Buldhana (Maharashtra)

Objectives of STTP:

To introduce students to the basic concepts and techniques of Machine Learning. To develop skills of using recent machine learning software for solving practical problems. To gain experience of doing independent study and research. The STTP will help create awareness and deeper understanding of recent technology such as Machine Learning among the faculties and researchers working in various disciplines of engineering and sciences. It will also help the participants to understand and apply machine learning technologies through several case studies and real-life examples. It provide opportunities to faculty members, research scholars and post graduate students to enhance their knowledge in research.

Resource Persons:

The eminent personalities present on the inauguration of the Programme:

- Dr. D. R. Dhotre, Professor and Head of CSE Department, SSGMCE, Shegaon.
- Dr. M. A. Pradhan, Associate Professor, AISSMS College of Engineering, Pune.
- Dr. P. A. Vikhar, Dean Academic, KCE's College of Engineering and Information Technology, Jalgaon
- Dr.V. B. Gadicha, Associate Professor, G. H. Raisoni Academy of Engineering and Technology, Nagpur
- Dr. Sanjaya Kumar Panda, Assistant Professor, NIT, Warangal, Telangana.
- Prof. P. V. Khandare, Assistant Professor, Vishwakarma Institute of Technology, Pune
- Mr. R. K. Rajbhure, CEO and Founder of D-Park Software Solutions, Buldana

Inauguration:

Prof. G. V. Patil, Asst. Professor, Computer Science and Engineering Department welcome to all participants, explaining objectives of STTP give brief introduction of speaker about their professional experience and skill, explaining schedule of program what are the activities conducted during at last thanks to participants for registering this national level STTP, also thanks to Management and Principal Dr. A. W .Kharche sir to always encourage academic excellence also welcome to our associated bodies.

1st Day (15/06/2020)

Session I	**Dr. D. R. Dhotre,** Professor and Head of CSE Department, SSGMCE, Shegaon, conducted a session on Introduction of Machine learning
Session II	**Dr. M. A. Pradhan,** Associate Professor, AISSMS College of Engineering, Pune conducted session on Design of Predictive Model
Session III	**Dr. D. R. Dhotre,** Professor and Head of CSE Department, SSGMCE, Shegaon, conducted a session on Fuzzy logic system and its use in research

2nd Day (16/06/2020)

Session I	**Dr. D. R. Dhotre,** Professor and Head of CSE Department, SSGMCE, Shegaon, conducted a session on ANN implementation and its application in research.
Session II	**Dr. D. R. Dhotre,** Professor and Head of CSE Department, SSGMCE, Shegaon, conducted a session on Support vector Machine implementation and application in classification.
Session III	**Dr. M. A. Pradhan,** Associate Professor, AISSMS College of Engineering, Pune conducted session on Classification-decision tree.

3rd Day (16/06/2020)

Session I	**Dr. P. V. Khandare,** Assistant Professor, Vishwakarma Institute of Technology, Pune, conducted a session on Life cycle of Machine Learning Project.
Session II	**Dr. M. A. Pradhan,** Associate Professor, AISSMS College of Engineering, Pune conducted session on Unsupervised Learning (clustering)
Session III	**Dr. P. V. Khandare,** Assistant Professor, Vishwakarma Institute of Technology, Pune, conducted session on Implementation and Coding.

4th Day (16/06/2020)

Session I	**Dr.V. B. Gadicha,** Associate Professor, G. H. Raisoni Academy of Engineering and Technology, Nagpur conducted a session on Life cycle of Machine Learning Project.
Session II	**Dr. M. A. Pradhan,** Associate Professor, AISSMS College of Engineering, Pune conducted session on Metrics for classification
Session III	**Dr. P. A. Vikhar,** Dean Academic, KCE's College of Engineering and Information Technology, Jalgaon conducted session on Machine Learning using CoLab

5th Day (16/06/2020)

| Session I	**Dr. Sanjaya Kumar Panda,** Assistant Professor, NIT, Warangal, Telangana conducted a session on Case study on Machine Learning.
Session II	**Dr. Sanjaya Kumar Panda,** Assistant Professor, NIT, Warangal, Telangana conducted a session on Case study on Machine Learning.

Session III	**Mr. R. K. Rajbhure,** CEO and Founder of D-Park Software Solutions, Buldana conducted session on Evolution of Machine Learning in Industry.

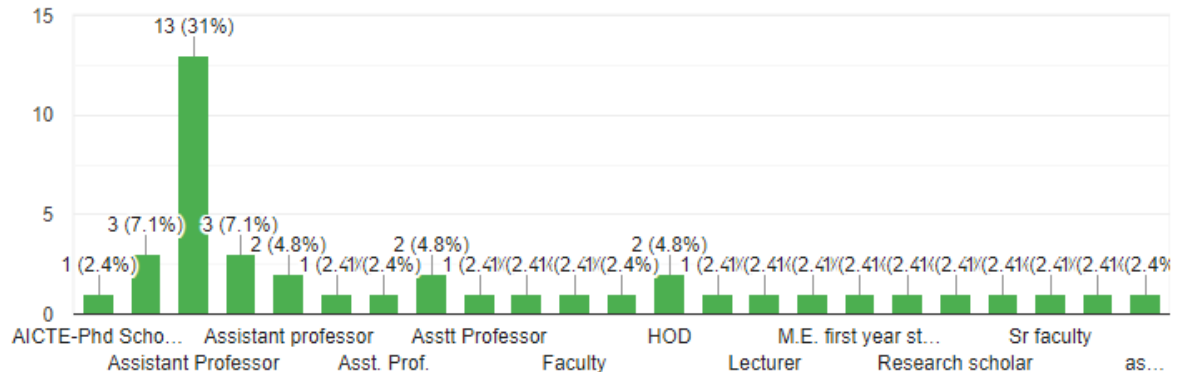**Number of participants Registered: 42**

State

42 responses
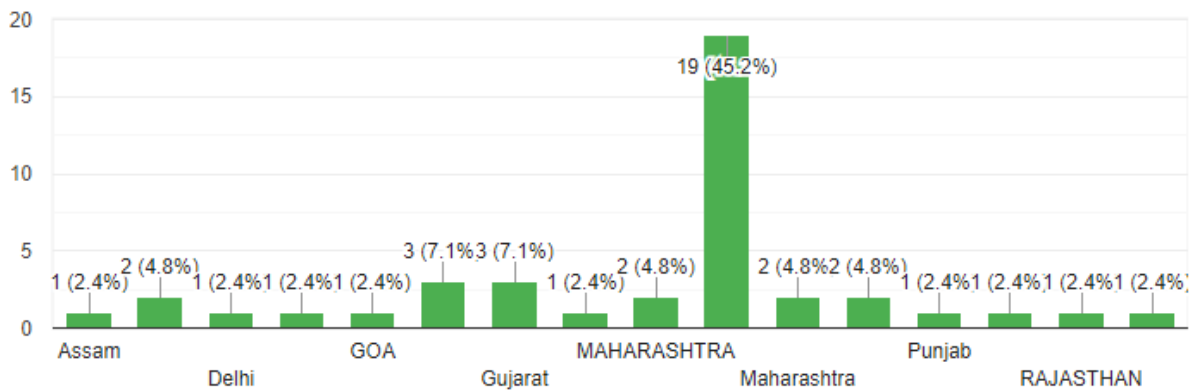
Designation

42 responses

Outcomes of STTP:

- Participants familiar with new technology i.e. Machine Learning
- Research area gets more clear idea to do innovation
- Research scholars and post graduate student's knowledge is upgraded with new area for research and development.
- Enhancement in academic excellence

Valedictory:

Prof. M. U. Karande, STTP Program coordinator, Compute Science and Engineering Department, delivered vote of thanks to all participants for registering this national level STTP & successfully attended, Specially thanks to Resource Persons for sharing their professional experience, Knowledge and skills. At last thanks to Management and Principal Dr. A. W. Kharche sir to always encourage academic excellence also thanks to our associated bodies Like, ISTE, IEI, LCCIA & SGBAU-Amravati. The vote of thanks also delivered towards coordinator team's directly/indirectly involving program activities for successful completion of STTP Programme.
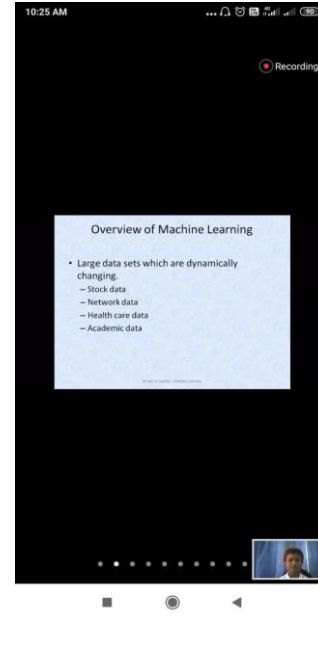
Glimpses of STTP Event
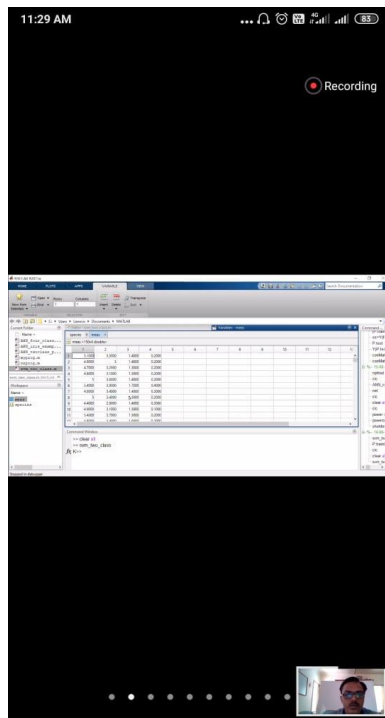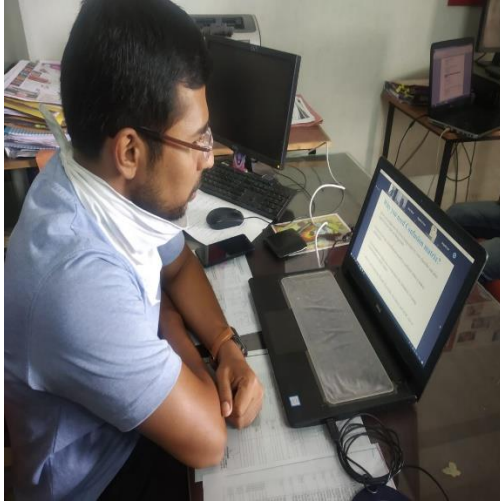
Feedback on STTP :
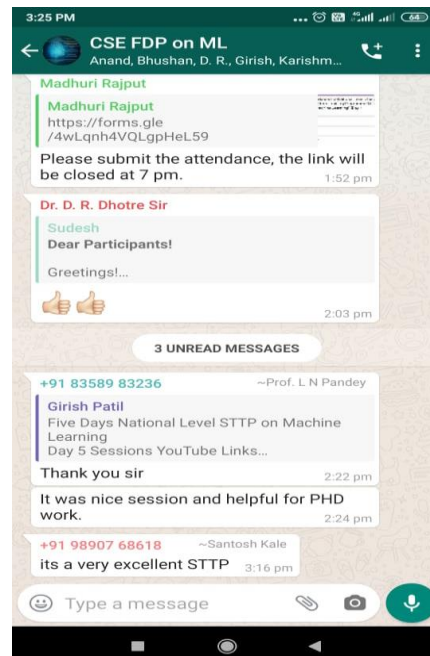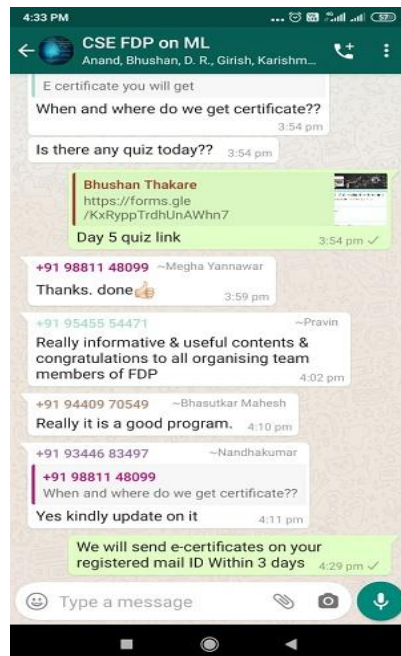
Programme Links   Five Days National Level STTP on Machine Learning

YouTube Link
Day1 Sessions YouTube Links

Session A1
https://youtu.be/KW_b8OqeXuI
Session A2
https://youtu.be/aj8zkIEbvFQ
Session B1
https://youtu.be/Qj1xMlVLy-A
SessionB2
https://youtu.be/gZFWQXGjjJ8
SessionB3
https://youtu.be/5xZpwxNVLkU
SessionB4
https://youtu.be/Rbpqy9Kyeq8
SessionC1
https://youtu.be/E8HDem5qR2s
SessionC2
https://youtu.be/f3FUVsFLIF4

Day 2 Sessions YouTube Links
SessionA1
https://youtu.be/dG_slkDUA_g
SessionA2
https://youtu.be/b98FNG_aDbc
SessionA3
https://youtu.be/tG29hTo8_As

SessionA4
https://youtu.be/ndDKDly3m24
SessionB1
https://youtu.be/RdGlf22JsVQ
SessionB2
https://youtu.be/URmxqyzKW_k

Day 3 Sessions YouTube Links
SessionA1
https://youtu.be/P83nMO3F4Cs
SessionA2
https://youtu.be/L9jPUZVqEuo
SessionB1
https://youtu.be/-LNzjJyfUBQ
SessionB2

https://youtu.be/O3ZCe3dxdhk
SessionC1
https://youtu.be/hd5AiOH0eHo
SessionC2
https://youtu.be/MgmS52KFFuo

Day 4 Sessions YouTube Links
SessionA1
https://youtu.be/44Bvrm-j5fc
SessionA2
https://youtu.be/zzRA6Yb8_GI
SessionB1
https://youtu.be/KroTtIB-TEc
SessionC1
https://youtu.be/W5WJcTvUKgs
SessionC2
https://youtu.be/v53aVSnJ04g

Day 5 Sessions YouTube Links
SessionA1
https://youtu.be/oecU1TVMcbY
SessionA2
https://youtu.be/4cf_OXtBYEE
SessionA3
https://youtu.be/NjIV25nB_1g
SessionB1
https://youtu.be/Rs1jzMGYcmM
Valedictory Session
https://youtu.be/GgLCN76lNxM