Centenary Celebrated Sharnbasveshwar Vidya Vardhak Sangha's
ಶರಣಬಸವ ವಿಶ್ವವಿದ್ಯಾಲಯ
Sharnbasva University
Kalaburagi - 585103, Karnataka - India
ಕಲಬುರಗಿ 585 103 ಕರ್ನಾಟಕ - ಭಾರತ
Phone / Fax No. 08472-277852, 277853, 277854, 277855 www.sharnbasvauniversity.edu.in - email : Sharnbasvauniversity@gmail.com

Workshop

"Hands-On Workshop on Machine Learning with python"

24th April 2021-26th April 2021

Organizedby

Department Of Computer Science and Engineering & Information Science and Engineering

Sharnbasva University,

Kalaburagi-585102,Karnataka,

India

Phone/FaxNo.:08472–277852,277853,277854
Website:www.Sharnbasvauniversity.edu.in

100+ Years of Glorious history inscribed in the yeomen service to the field of education

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Estd. 2017

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ABOUT THE UNIVERSITY:

Sharnbasva University is the first private multi-disciplinary University in the entire North Karnataka providing avenues for the students to pursue higher education in almost all the fields of education. Providing quality education at affordable cost has been the hallmark of the University. The University has set itself on the path of emerging as one of the Centre of excellence and a World Class University, which is the dream of Poojya Dr. Sharnbasvappa Appa, the visionary Chancellor of the youngest private university in the entire state.

The Sharnbasva University is backed by the rich legacy of more than 100 years of providing the quality education to the deprived sections of the people in the educationally backward Kalaburagi and neighboring districts. The Sharanbasaveshwar Vidya Vardhaka Sangha, under whose aegis the Sharnbasva University is functioning ,has the honor of starting the first school exclusively for girls way back in 1934 opening doors of learning to the girls. The legacy of providing optimum importance to the girl education has continued to this day and the Sangha was the first to start an exclusive Engineering College for Women in the entire North Karnataka and the second in the entire Karnataka. This College is now part of the Sharnbasva University.

VISION:

- Enhancing the horizon of world knowledge by promoting international understanding through imparting quality education and creating value added skill based human resource.
- We aspire to become top ranking National and International Centre of Excellence producing high caliber leaders and captains of industry.
- Inculcating the spirit of "Vasudaiva Kudumbakam" (The world is one family).
- "Sakala Jeevachitrangal Laaave Bayalavu" (Wishing the worldly good and betterment of all the living beings) is our motto.

MISSION:

- Achieving academic excellence through innovatively designed, research intensive, industry oriented education.
- Imbibing the culture of independent thinking, independent writing, independent speaking and independent living among the students in all the activities.
- Foster the spirit of National development and develop global competencies. Nurture creativity and encourage entrepreneurship provide an education with rigor and Relevance.
- Provide academically excellent, time efficient, and cost effective higher education.
- Provide an education which enhances the ability of students to learn throughout the life.
- Ensure freedom of thought and expression and a campus without discrimination.
- Encourage the spirit of questioning and ensure close inter-relationship between Teaching, Scholarship and Research.
- Develop and deliver distinctive and value driven academic programme that are flexible and responsible to Local, National and International needs.
- Cultivate academic, business and community driven partnership that positions the University as a leading choice for adult learners.
- To work effectively with other institutions and organizations, where such partnerships can lead to understanding research and teaching.

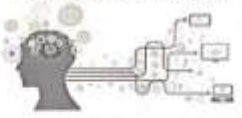
ABOUT THE DEPARTMENT:

The department of Computer Science & Engineering and Information Science & Engineering established in the year 2017, in Faculty of Engineering and Technology (Exclusively for Women), Computer Science & Engineering Department is having a post graduate course in Computer Science and Engineering and also a research program. Departments are having well equipped laboratories and well experienced faculty members. Departments conduct periodic Faculty Development Programs, workshops, seminars, symposiums, conferences and Tech Fests to help the faculties, students and research scholars. The department has very good placement record.

" Hands-on Workshop on Machine Learning with Python"

24th April 2021-26th April 2021

Machine Learning Using Python



ORGANISED BY

DEPARTMENT OF COMPUTER SCIENCE, INFORMATION SCIENCE AND ENGINEERING

FACULTY OF ENGINEERING AND TECHNOLOGY

(EXCLUSIVELY FOR WOMEN)

SHARNBASVA UNIVERSITY, KALABURAGI

Phone: 08473-278144
Email:cse@sharnbasvauniversity.edu.in
Website: www.sharnbasvauniversity.edu.in

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OUR SPIRITUAL GRACE & INSPIRATION

Lingaikya Poojya Doddappa Appa
7th Mahadasohi Peethadhipati,Sharnbasveshwar Vidya Vardhaka Sangha Kalaburagi

Matashree Godutai Doddappa Appa
Sharnbasveshwar Samsthana, Kalaburagi

CHIEF PATRON

Poojya Dr. Sharnbasvappa Appa
8th Mahadasohi Peethadhipati, Sharnbasveshwar Samsthana, President,Sharnbasveshwar Vidya Vardhaka Sangha & Chancellor,Sharnbasva University,Kalaburagi

PATRONS

Matashree Dr. Dakshayni S. Appa
Member, BOG, Sharnbasva University, Kalaburagi.
Chairperson, Sharnbasveshwar Vidya Vardhaka Sangha, Kalaburagi

Shri. Basavaraj Deshmukh
Secretary, Sharnbasveshwar Vidya Vardhaka Sangha, Kalaburagi. Member, BOG, Sharnbasva University, Kalaburagi

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Vice-Chancellor, Sharnbasva University, Kalaburagi

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Registrar(Evaluation), Sharnbasva University, Kalaburagi

Sri Shivalingappa Nirgudi
Finance Officer, Sharnbasva University, Kalaburagi

Dr. Basavaraj S. Hathapati
Dean, Sharnbasva University, Kalaburagi

CONVENER:

Dr. Lakshmi Patil
Dean, Sharnbasva University,Kalaburagi.

RESOURCE PERSON :
Mr. Arunjit Chaudhaury, CEO, EBTS, Thane, Mumbai

ORGANIZING COMMITTEE

CO-CONVENERS:

Dr. Shivaleela Patil , Professor, Department of CSE, FETW, Sharnbasva University, Kalaburagi.

Dr. Sujata Halipur, Professor, Department of CSE, FETW, Sharnbasva University, Kalaburagi.

COORDINATORS:

Prof. Saraswati Patil, Asst.Prof. Department of ISE, FETW, Sharnbasva University, Kalaburagi
Prof. Supriya B. , Asst.Prof. Department of ISE, FETW, Sharnbasva University, Kalaburagi.
Prof. Rashmi Bongal, Asst.Prof. Department of ISE, FETW, Sharnbasva University, Kalaburagi

CONTACT DETAILS:
Prof. Saraswati Patil : 8310913315
Prof. Supriya B : 9886867579
Prof. Rashmi Bongal:7892070467

WHO CAN PARTICIPATE: The faculty members of the AICTE approved institutions, Research scholars, PG scholars, participants from Government, Industry and staff of host institutions.

REGISTRATION: Maximum 300 participants will be allowed to register for the FDP. Registration will be on first come first serve basis.

TEST AND PARTICIPATION CERTIFICATE: Certificates will be given to registered participants and subsequently approved by the coordinator, provided participants obtain 80% attendance,50% marks in assessment and feedback given by participants on portal only.

VENUE:

No physical presence is needed; the programme will be coordinated by Faculty of Engineering and Technology (For Women), Sharnbasva University, Kalaburagi. All the sessions will be conducted using online mode.

ABOUT WORKSHOP: Machine Learning is one of the essential fundamentals required to step into the rapidly emerging and upcoming era of Artificial Intelligence (AI). It is a scientific discipline that explores the construction and study of algorithms that can learn from data. Such algorithms operate by building a model from example inputs and using that to make predictions or decisions, rather than following strictly static program instructions. Machine learning is closely related to and often overlaps with computational statistics; a discipline that also specializes in prediction-making.
Data processing requires "computational thinking" and is essential to have hands-on experience in using computational tools for problem-solving. This workshop aims to explore the recent development and various machine learning aspects. This training is an introduction to the concepts of machine learning, its algorithms and application using Python. The workshop will be an 'eye-opener' to build the computational skills required for machine learning.
The topics to be covered in this workshop are Introduction to Statistics, Introduction to AI and Machine Learning, Examples of ML real-time application, Machine learning Types, Features Engineering, Regression, Classification, Unsupervised Model and Artificial Neural Networks.

OBJECTIVES: This program aims to provide hands-on experience to the faculty, research scholars and students in the field of Machine Learning using Python. The program will help the participants to learn the principles of Machine Learning and understand how to apply Machine Learning for solving problems.

OUTCOMES: This workshop will cover the basic algorithm that helps students, researchers, and faculty members to build and apply prediction functions with an emphasis on practical applications. Attendees, at the end of the workshop, will be technically competent in the basics and the fundamental concepts of Machine Learning.

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"HANDS-ON WORKSHOP ON MACHINE LEARNING WITH PYTHON"
DEPARTMENT OF COMPUTER SCIENCE/INFORMATION SCIENCE ENGINEERING
FACULTY OF ENGINERRING AND TECHNOLOGY (EX-FOR WOMEN)
SHARNBASVA UNIVERSITY, KALABURAGI
APRIL 24th to 26th -2021
Program Schedule

DAY	SESSIONS	EVENT DESCRIPTION	DURATION
Day 1 Saturday 24-04-2021	INAUGURATION		10.00am to 10:30
	Session 1	Introduction to Statistics	10:30 am to 12:00pm
	Short Break		12:00pm -12:15pm
	Session 2	Introduction to AI and Machine Learning	12:15pm to 01:30pm
	Lunch Break		01:30pm to 02:00pm
	Session 3	Examples of ML real-time applications	02:00pm to 03:30pm
	Short Break		3:30pm to 3:45pm
	Session 4	Machine Learning Types	3:45pm to 5:30pm
Day 2 Sunday 25-04-2021	Session 1	Feature Engineering (Missing Data, Data categorization, Feature Scaling)	10:00am to 11:30am
	Short Break		11:30am- 11:45am
	Session 2	Regression (Univariate , Multivariate , Polynomial, Model efficiency)	11:45am to 01:30pm
	Lunch Break		01:30pm to 02:00pm
	Session 3	Regression	02:00pm to 03:30pm
	Short Break		3:30pm to 3:45pm
	Session 4	Examples on regression	3:45pm to 5:30pm
Day 3 Monday 26-04-2021	Session 1	Introduction to classification.	10:00am to 12:00am

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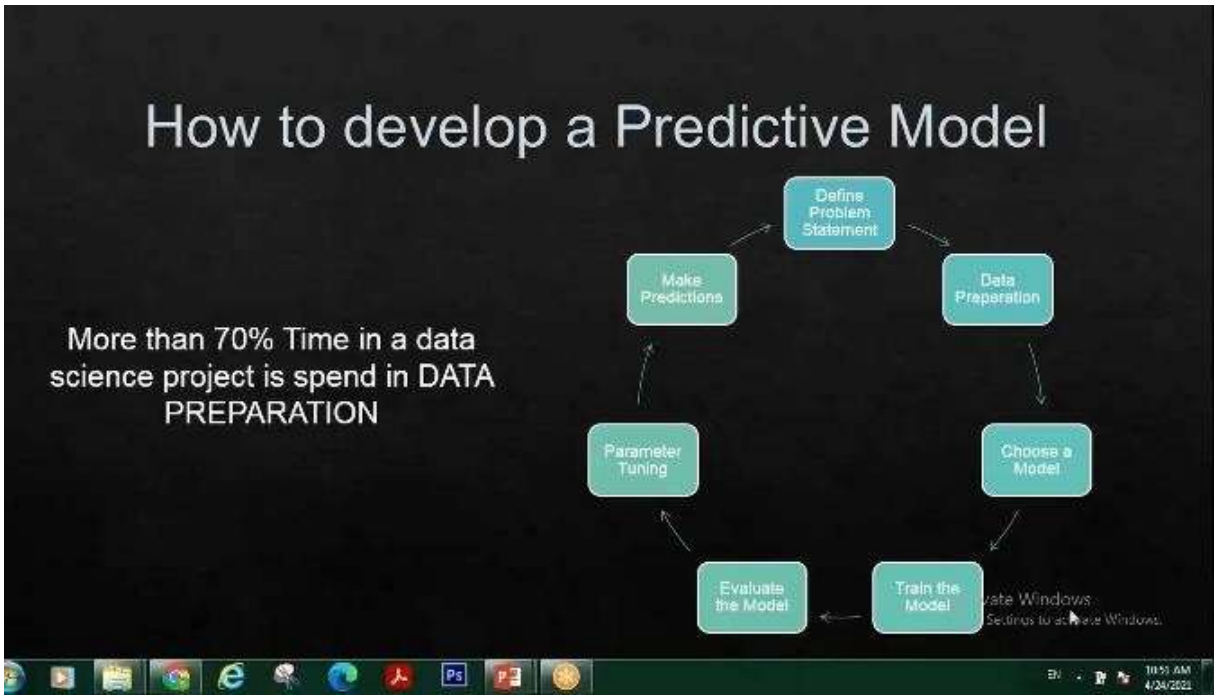
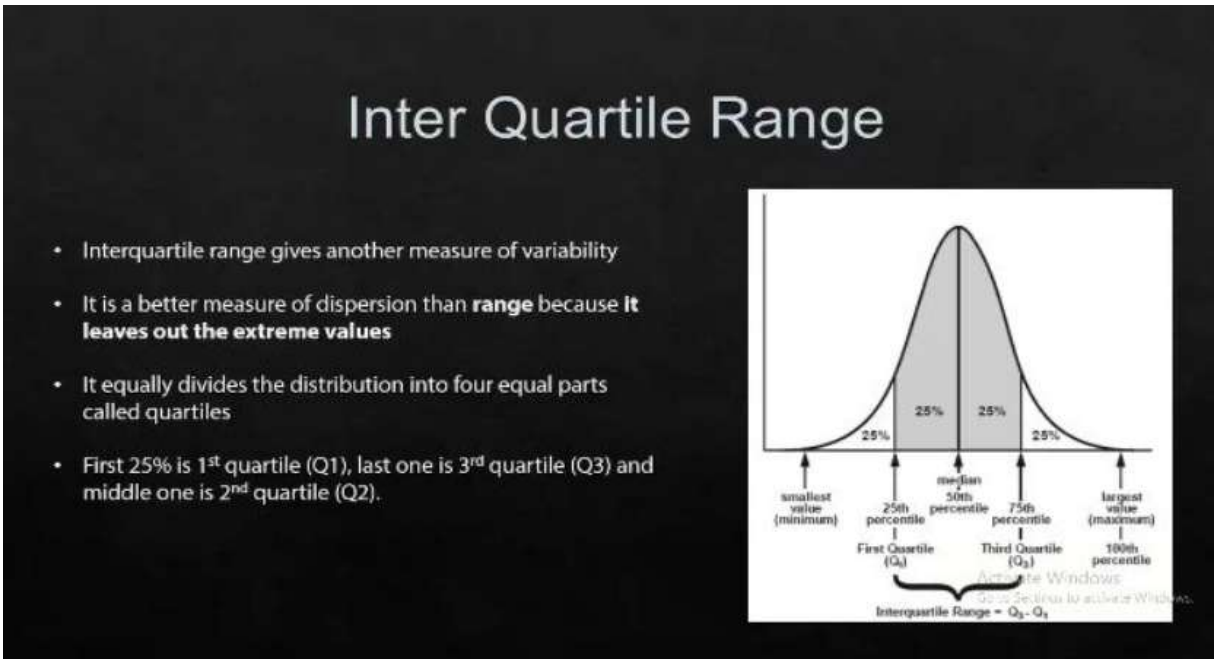
Activity Report

Title of the Event	**Hands-On Workshop on Machine Learning with Python**
Date of Activity	24thApril2021-26thApril2021
Time of Activity	10:00AMto05:30PM
Type of Activity (Cultural/ Cocurricular/Curricular)	Cocurricular Activity
Resource Person	**Mr.Arunjit Chowdhaury**
Professional details of Resource Person	**CEO,EBTS,THANE,MUMBAI**
Program/Course/Class	B.Tech./CSE/ISE/6thSemester and Staff members
Number of Students attended	605
Number of Staff attended	56
Activity Incharge	Prof. Chetan and Sweta M
Description of Activity	To furnish information about Machine Learning with python concepts and ideas that makes easier for final yearcomputer science and information science andengineering students to get opportunities in Machine Learning domain. **Mr. Arunjit Chowdhaury** conveyed the Machine Learning with Python Hands-On sessions. Final year students and staff members are benefited from this technical talk.

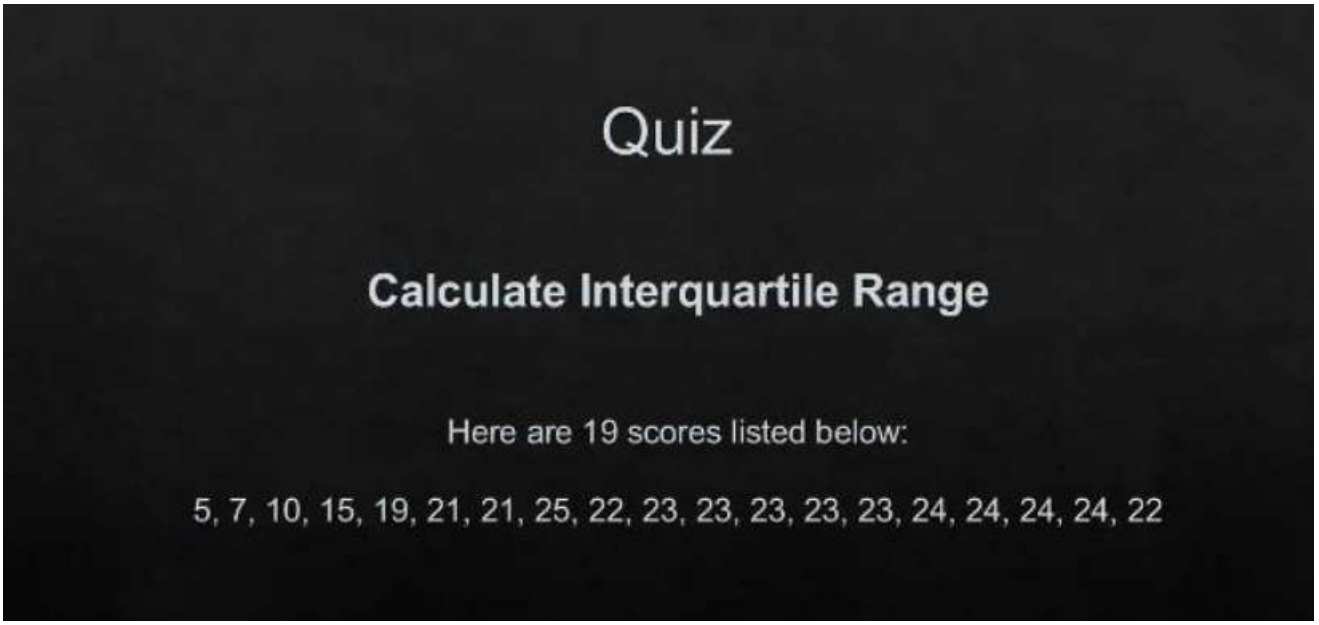
Activity Screenshots



Models in AI to generate the best output you need to develop the model



Quartile Distribution



Quiz conducted during workshop