DAYANANDA SAGAR COLLEGE OF ARTS SCIENCE AND COMMERCE

Shavige Malleshwara Hills, Kaumarswamy Layout, Bangalore-560082

Research & IPR Cell in association with
Internal Quality Assurance Cell (IQAC) Cell

Report of the Event Conducted

Department: MBA-BU

Date: 11-10-2024

Sl. No.	Particulars	Event related Details			
1.	Event*	Capacity Building Program for Faculties			
2.	Title of the Event	Harnessing the power of Python for Teaching & Research by KPMG			
3.	Date	09.10.2024			
4.	Time	09:30AM to 04:00PM			
5.	Venue	Research Center, 6th Floor, DSCASC, Building No.13			
6.	Resource Person 1 Details** (Profile to be enclosed)	Ms. Shalini Kanagasabapathy, Consultant, KPMG, Bengaluru			
7.	Topics Covered	Understanding Python and python Environments, basic Syntax, Data Types, Operators , List, dictionaries, tuples and sets, Introduction to Numpy, pandas, loading, cleaning and manipulating data, data visualization with Matplotlib, Statistics and Hypothesis testing using Scipy, scikitlearn packages.			
8.	Resource Person 2 Details** (Profile to be enclosed)	NA			
9.	Topics Covered	NA			
10.	No. Faculty Participants (Enclose a copy of names with signatures)	Internal:	13	External:	NA
11.	No. Student Participants (Enclose a copy of names with signatures)	Internal:	NA	External:	NA

Sl. No.	Particulars	Event related Details
12.	Faculty Coordinator/s	Dr. Subbulakshmi Somu
13.	Student Coordinator/s	NA
14.	Total Expenditure (Details to be enclosed)	NA
15.	Sponsors and Amount (if any)	NA
16.	Agenda of the Event (Enclose a copy)	Yes
17.	Report uploaded on college website? If yes, give details:	Yes
18.	Report sent to media? If yes, give details:	No
19.	Report uploaded in Social Media? If yes, give details:	Yes https://www.facebook.com/photo/?fbid=1125049592572690&set=pcb.1125049712572678
20.	Certificates Printed? (Enclose a copy***)	No
21.	Feedback Collected? (Enclose a copy***)	Yes
22.	Summary of the Event (Minimum 100 words)	The Faculty Capacity-Building Program, titled "Harnessing the Power of Python for Teaching & Research," was conducted on October 9, 2024, by the Department of Commerce and Management (UG) at Dayananda Sagar College of Arts, Science, and Commerce in partnership with KPMG. This training program aimed to enhance the faculty's technical proficiency in Python for improved pedagogical and research applications. The event commenced with an inauguration ceremony led by the college's esteemed dignitaries, setting the stage for an intensive day of learning. Ms. Shalini Kanagasabapathy, a KPMG consultant from Bengaluru, led the three main sessions. In the first session, she introduced the fundamentals of Python, including basic syntax, data types, and structures such as lists, dictionaries, tuples, and sets. The second session advanced into data handling with popular Python libraries like NumPy and Pandas for data loading, cleaning, and manipulation, along with data visualization techniques using Matplotlib. The third and final session explored statistical analysis and hypothesis testing using SciPy and scikit-learn, empowering faculty with practical data science skills. The program concluded with dignitaries delivering closing notes,

Sl. No.	Particulars	Event related Details
		highlighting the importance of such initiatives in equipping educators with contemporary tools for academic excellence.
23.	Photographs of the Event (At least 10 relevant, clear, and appropriate photos with title and explanation. The jpg files need to be attached)	Attached.

Notes:
* Seminar / Workshop / Symposium / Conference / Cultural Fest / Quiz / Sports / Literature Fest, etc.
** Name / Organization / Designation / Area of Expertise
*** Format Copy need to be attached and hard copy need to be filed
PS: Whichever column is not applicable, write as NA.

Event Coordinator   **HOD/Director**   **IQAC**   **Principal**

Date: 7/10/2024

CIRCULAR

This is to inform all BBA, B.Com and MBA faculties that DSCASC, in collaboration with the Research & IPR Cell and the Internal Quality Assurance Cell (IQAC), will be conducting a full-day faculty capacity-building program titled **"Harnessing the power of Python for Teaching and Research by KPMG"**

The event is scheduled for 9th October 2024, from 9:30 AM to 4:00 PM in MBA Research Centre.

We encourage the faculties to take advantage of this valuable learning opportunity and participate actively.

Date: 9th October, 2024

Time: 9:30 am to 4:00 pm

Venue: Room no: Research Centre, 6th Floor, Building No:13

Co-ordinator

Director - MBA

Dayananda Sagar College of Arts, Science and Commerce

Department of Management Studies – MBA – (BU)

Faculty Capacity-Building Program

on

Harnessing the power of Python for Teaching & Research by KPMG

October 9th, 2024

Programme Schedule

Time	Event	Resource Person
9.30am – 10.00am	Inauguration	By Dignitaries
10.00am - 11.30am	Session 1 Topic : Understanding Python and python Environments, basic Syntax, Data Types, Operators , List, dictionaries, tuples and sets	Ms. Shalini Kanagasabapathy, Consultant, KPMG, Bengaluru
11.30am - 11.45am	Break	
11.45am - 1.15pm	Session 2 Topic : Introduction to Numpy, pandas, loading, cleaning and manipulating data, data visualization with Matplotlib	Ms. Shalini Kanagasabapathy, Consultant, KPMG, Bengaluru
1.15pm - 2.15pm	Lunch Break	
2.15pm - 3.45pm	Session 3 Topic : Statistics and Hypothesis testing using Scipy, scikitlearn packages	Ms. Shalini Kanagasabapathy, Consultant, KPMG, Bengaluru
3.45pm - 4.00pm	Closing Notes	By Dignitaries

Dr. Subbulakshmi .S
Co-ordinator,
Capacity Building Program

Contact

www.linkedin.com/in/shalini-kanagasabapathy-9a1b75155 (LinkedIn)

Top Skills

machine learning
Project Management
Financial Analysis

Languages

Tamil (Native or Bilingual)
English (Full Professional)
Kannada (Limited Working)

Certifications

Learning Word 2021
PowerPoint: Designing Better Slides
Excel: Tips and Tricks (2015)
Data Visualization using Tableau
Flask python

Honors-Awards

Anti HIV using nano robots
BEST TRAINER AWARD

Publications

SMART IRRIGATION SYSTEM USING RASPBERRY PI

SHALINI KANAGASABAPATHY

Consultant @ KPMG -Helping people in their professional growth
Bengaluru, Karnataka, India

Summary

Electronics engineer with 4+ years of experience in Data Analysis & Specialist on course design,providing training to the college students, graduates & working professionals.

Proficient in data analysis & data visualization to successfully execute projects & having a good amount of knowledge in the following skill sets:

Data Analysis Data Science Data Visualization Tools Machine Learning programming skills Data Mining Artificial Intelligence math & statistics data base management Research,Reports and Forecasts Project Monitoring & Management Coordination & Liaison Strategic Planning.

My technical skills: Tools: Jupyter notebook,MYSQL Workbench,Tableau, Ms-Excel,Power BI, Google sheet Languages: Python, SQL,C, C++,NumPy,Pandas,matplot lib,sea born,Scikit learn Cloud: Google cloud Database: MySQL Electronics: Arduino Uno, Raspberry Pi, Various sensors.

Experience

KPMG India
Consultant
January 2024 - Present (10 months)
Bengaluru, Karnataka, India

Specializations: Expertise in a wide range of analytics domains including social media analytics, finance analytics, marketing analytics, HR analytics, and operations & supply chain analytics.

Technical Proficiency: Skilled in utilizing advanced analytical tools and technologies such as Excel, Python, R, Orange, Tableau, and Power BI to derive actionable insights and drive data-driven decision-making.

Training & Development: Responsible for conducting comprehensive training sessions and workshops at prestigious tier-one colleges across various locations including Bangalore, Chennai, Visakhapatnam, Mumbai, and Noida. These sessions focus on equipping students with practical knowledge and skills in analytics, fostering the next generation of data professionals.

Project Management: Leading and managing multiple analytics projects simultaneously, ensuring timely delivery and adherence to quality standards. Collaborating with cross-functional teams to develop and implement effective analytics solutions tailored to client needs.

Client Engagement: Engaging with clients to understand their business challenges and requirements, providing expert consultation and customized analytics solutions to enhance their operational efficiency and strategic decision-making.

Skill-Lync
Associate Technical Support Engineer- Data science
April 2022 - January 2024 (1 year 10 months)
Bengaluru, Karnataka, India

Conducted technical data science training programs according to organizational
requirements & Designed the course content.
Worked on Power BI Desktop,performed ETL activities using power query editor & build relationships between different tables then designed the Report/Dashboard with the help of filter, Slicers, DAX functions.
Worked on Tableau desktop,Tableau public performed data blending, relationship, joins, union to connect the various tables then designed the Dashboard & story board with the help of filter, parameters & calculation fields.
I also be responsible for research, diagnose, troubleshoot, and resolve customer
issues in an accurate and timely manner.

HOPE FOUNDATION
DATA ANALYTICS TRAINER
July 2021 - March 2022 (9 months)
Chennai, Tamil Nadu, India

Conducted data analytics training programs according to organizational requirements & Designed the course content.

Analyzed, evaluated and formulated enhancement strategies to boost the performance of a team. Coordinated with students to deploy SQL & MS EXCEL for extracting and loading data from multiple data sources. Organized huge data sets effectively via advanced querying, visualization, and analytics tools.

Guided the students to understand their data & how to use python for data analysis ,tableau for data visualization.

Rendered insights & generated analytical reports with recommendations to enable strategic planning by management. Processed structured, semi-structured and unstructured data sets to assess key takeaways. Played a key role in the development of a society by empowering women to become self-sufficient and independent.

Providing Data Analysis Training To The Final Year College Students,Graduates & Working professionals. Course Design,Developing Course Content,Preparing Ppts,Datasheets, Allied Materials For Providing Training.

India STEM Foundation
Technical Trainer
February 2020 - June 2021 (1 year 5 months)
Bengaluru Urban, Karnataka, India

Trained the students in data science,data analysis,data visualization & develop actionable data & create high-impact visual analytical applications. Led the complete lifecycle from providing data to dashboards,storyboard creation. Delivered support to the editorial staff by creating award-winning pictograms,illustrating key facts & trends, etc. Directed the content design, execution & monitoring of key metrics, reports, dashboards to drive project success. Utilized Hypothesis-driven approach to analyze problem statement ,data & offer recommendations based on the test performance.

Education

Excel Engineering College (Autonomous)
Bachelor's degree, Electrical, Electronics and Communications Engineering · (July 2015 - April 2019)

Excel College of Engineering & Technology
Bachelor of Engineering, Electronics and communication engineering · (2015 - 2019)

vellalar matriculation higher secondary school
HIGHER SECONDARY, MATHS BIOLOGY - (June 2013 - April 2015)

GOVERNMENT GIRLS HIGHER SECONDARY SCHOOL,ERODE
SSLC - (June 2012 - April 2013)

Dayananda sagar college of arts, science and commerce Bangalore - 78
Department of MBA-BU
Capacity Building Program for Faculties - 09.10.2024
Harnessing the power of Python for Teachning & Research by KPMG

SL NO	NAME OF THE FACULTY	DEPT	SIGNATURE
1	Dr. Kadambini Katke	MBA	
2	Dr Vinish P	MBA	
3	Dr. Chetan Shetty	MBA	
4	Dr. Ameer Asra Ahmed	MBA	
5	Dr. Subbulakshmi Somu	MBA	
6	Ms. VAISHNAVI J	MBA	
7	Ms. Niveditha K	MBA	
8	Dr. Srikanta Murthy M R	MBA	
9	Dr Shashikumar C R	MBA	
10	Anitha A	BBA	
11	Ms. PARIMALA R	B.Com	
12	Mr .Sunil Kumar V	B.Com	
13	Ms. SADIYA FIRDOSE R Z	B.Com	
14	VINAY M	B.Com	
15	Faseeha Begum	B.Com	

FEEDBACK

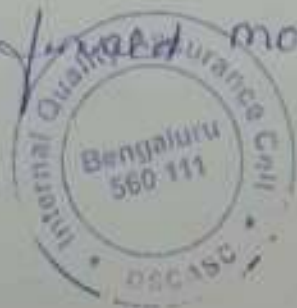Harnessing the power of Python for Teaching & Research by KPMG [9-10-24]

It was a great experience to have been a part of the course, the concepts were explained well and the classes were interesting to be a part of.

Great Inisghtful session. Concepts & the practical aspects are clearly explained by the Resource Person. Looking forward for more interactive and useful session like this one.

S. Susbylm [MBA].

It is essential tools for modern teaching & Research area. It enhances the capabilities in data science & problem solving, which is very much need in all the areas.

Hope looking forward more such session in future.

Bcom/BBA