



GOVERNMENT DR. SHYAMA PRASAD MUKHERJEE SCIENCE & COMMERCE COLLEGE

Sector-H, Rajharsh Colony, Kolar, Bhopal (M.P.)- 462042

Affiliated By Barkatullah University Bhopal

Contact No: - 0755-2551837, Email-ID: - hegbsccbho@mp.gov.in

Website: - <http://gscbhopal.in>



Vision:-

The institution is committed to provide sublime educational opportunities that are perceptibly amenable to the needs of our students, and empowers them to meet and surpass challenges by being an active ingredient in sculpturing the future of our world in general and own society in particular.

Mission:-

- ❖ Government College provides students with exceptional quality educational experiences and augment services that lead to the successful completion of degrees, transfer, certificates, career/technical education and exemplary basic skills proficiency.
- ❖ The college fosters academic and career success through holistic development of critical thinking, effective communication skills, creativity and innovation, cultural awareness in a safe, accessible, conducive and affordable learning environment.
- ❖ To cater for the needs of our demographically diverse student population, we embrace equity and accountability through measurable learning imbibed outcomes, ethical data-driven decisions and student achievement processes.

Values:-

- ❖ Student Success and Completion: Meeting student needs by engineering an educational environment in which students can accomplish a variety of goals with elan and alacrity.
- ❖ Excellence: Maintaining a high degree of integrity and proficiency, leading to the consummation of academic and career goals.
- ❖ Collaboration: Seeking input from all sectors of the college and the community to generate synergy in learning.
- ❖ Diversity: Fostering a learning community in which the diverse values, goals, and learning styles of all students are subsumed, recognised and bolstered.
- ❖ Life-Long Learning: Encouraging enthusiastic, avant-grade, inventive thinking and learning which strives for inter personal and innate growth.
- ❖ Integrity: Inculcating a demeanour which is devoid of moral turpitude and is ethical in all facets of interactions at all levels.
- ❖ Technological Advancement: Implementing cutting-edge technology that acts as a catalyst in aggrandising learning capabilities and prepares students for perennial success.

In tune with the vision and mission statement of the college governance of the college is participative with due focus on inclusivity. There are committees in the college which work towards holistic development of the college through various plans and activities. Governance is scientific action plan is prepared and uploaded on college website, all the committees work towards fulfilment of milestones set in the action plan. Institute has emphasized a lot on Society connect programmes and experiential learning for the holistic development of the students. Various Value driven programmes and activities like Blood donation, Swachta Abhiyan, Gender sensitization programmes, Communal harmony, digital India, empathy based programmes. Flagship programmes are framed with a clear vision providing scientific temperament to the diverse number of activities. These are

- 1- **Shodh-** Pursuit of Research Excellence.
- 2- **Parimarjan-** Shaping Intellect among students.
- 3- **Samarpan-** an Initiative for earth environment health society and surrounding preparing tank for the concerned areas.
- 4- **Sangani-** Women and Gender Development Cell.
- 5- **Kaushal-** In house Capacity Building.
- 6- **Anupam-** Celebrating Culture Activity.

IQAC has implemented of activities under these Flagship programmes. IQAC has motivated concerned Nodal officers to implement innovative activities like mapping the Biodiversity on campus, Green Audit and Energy Audit in the college. Workshops and events are organized to enhance quality standards in the campus, R&D Workshops and Seminars are organized to develop innovation ecosystem in the college. IQAC works relentlessly towards building up a strong teaching learning framework in college where the focus is on participative student centric learning and development of problem solving skills in students. Professional values and ethics are inculcated in students through various practices like organizing guest lectures apart from curriculum.


PRINCIPAL
GOVT. DR. SHYAMA PRASAD MUKERJEE SCIENCE
& COMMERCE COLLEGE BHOPAL (M.P.)



GOVERNMENT DR. SHYAMA PRASAD MUKHERJEE SCIENCE & COMMERCE COLLEGE
Sector-H, Rajharsh Colony, Kolar, Bhopal (M.P.)- 462042
Affiliated By Barkatullah University Bhopal
Contact No: - 0755-2551837, Email-ID: - hegbscbho@mp.gov.in
Website: - <http://gscbhopal.in>



SHODH- Pursuit of Research Excellence

Study of Different Subjects in pursuit of research excellence. There are five operative research centres in the institute. Providing new horizon for students.

Research Committee

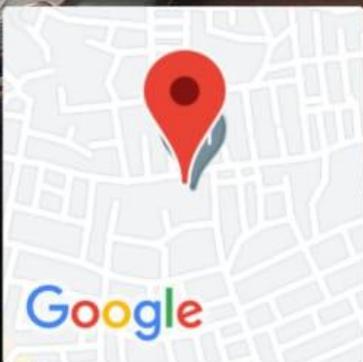
- **Dr. SudhanshuDhar Dwivedi - Coordinator**
- **Dr. Kirti Jain - Member**
- **Dr. Madhvilata Dubey - Member**
- **Dr. Rajesh Shrivastava - Member**
- **Dr. Asha Verma - Member**
- **Dr. S.K. Malhotra - Member**

PRINCIPAL
GOVT. DR. SHYAMA PRASAD MUKHERJEE SCIENCE
& COMMERCE COLLEGE BHOPAL (M.P.)

Atomic Absorption Spectrophotometer



GPS Map Camera



Bhopal, Madhya Pradesh, India

BX/87, Road, F-Sector, Rajharsh Colony, Uma Vihar,

Bhopal, Madhya Pradesh 462042, India

Lat 23.167597°

Long 77.419922°

08/08/22 01:15 PM



PARISHKARAN- Shaping Intellect among students

During and after the completion of the concerned course, which is being pursued by the students to shape, finish and furnish to take up the challenges of the life and society.





DR SHYAMA PRASAD MUKHERJEE SCIENCE & COMMERCE COLLEGE, KOLAR ROAD BHOPAL M.P.
 Tele. No. : 07552551837 | e-mail : hq@csbho@mp.gov.in | website : www.csbho.org

INDUCTION PROGRAM

दिनांक	समय	इंडक्शन हेतु विषय
8 / 07 / 2022	12:30-01:00	नई शिक्षा नीति अनुसर प्रोजेक्ट व व्यवस्था पाठ्यक्रम की जानकारी
	01:00-01:20	महाविद्यालय में पढ़ाये जाने वाले विषयों की
	01:20-01:40	महाविद्यालय के असेसमेंट की जानकारी
9 / 07 / 2022	12:30-01:00	नई शिक्षा नीति अनुसर प्रोजेक्ट व व्यवस्था पाठ्यक्रम की जानकारी
	01:00-01:20	महाविद्यालय में पढ़ाये जाने वाले विषयों की
	01:20-01:40	महाविद्यालय के असेसमेंट की जानकारी
	01:40-02:00	महाविद्यालय की विभिन्न गतिविधियों एवं छात्रों की जानकारी

FF1 (First Floor 1)

ge IQAC Incharge Semester Cell Prin



शासकीय महाविद्यालय में इंडक्शन प्रोग्राम आयोजित



भोपाल। शासकीय डॉ. श्यामा प्रसाद मुखर्जी विज्ञान एवं वाणिज्य महाविद्यालय भोपाल में माप्र उच्च शिक्षा विभाग के निर्देश पर व प्राचार्य डॉ. सुधा बैसा के मार्गदर्शन में नव-प्रवेशित विद्यार्थियों के लिये इंडक्शन प्रोग्राम का आयोजन किया गया। जिसमें विद्यार्थियों को जिसमें राष्ट्रीय शिक्षा नीति से संबंधित विभिन्न विषयों की विस्तृत जानकारी प्रदान की गई तथा इन विषयों के क्षेत्र में भविष्य में प्राप्त किये जाने वाले रोजगारों एवं व्यवसायों के बारे में भी विस्तृत जानकारी दी गई। इस अवसर पर विद्यार्थियों हेतु आयोजित व्याख्यान श्रृंखला में महाविद्यालय में राष्ट्रीय शिक्षा नीति के नोडल अधिकारी डॉ. एसके मल्होत्रा, डॉ. सुधाशुधर द्विवेदी, डॉ. माधवीलता दुबे व डॉ. संजय तेलंग आदि द्वारा विभिन्न क्षेत्रों में ज्ञानवर्धक उद्बोधन दिया गया। इस अवसर पर महाविद्यालय के विभिन्न संकायों के शिक्षकगण एवं कर्मियों ने नव-प्रवेशित छात्रों को अभिवादन किया।



Bhopal, Madhya Pradesh, India
 294 Akbarpur, F-Sector, Rajharsh Colony,
 Madhya Pradesh 462042, India
 23.167368°
 77.420227°
 07/22 12:33 PM

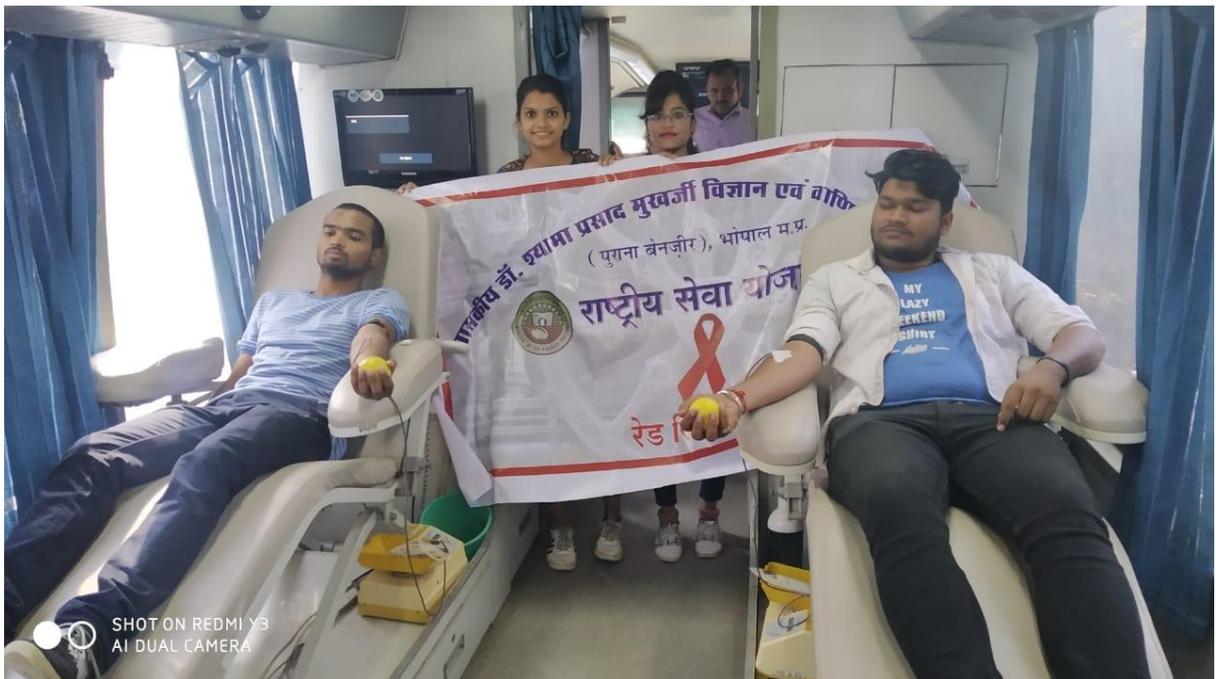


Bhopal, Madhya Pradesh, India
 F-294 Akbarpur, F-Sector, Rajharsh Colony, Kolar Rd, Bhopal
 Madhya Pradesh 462042, India
 Lat 23.167367°
 Long 77.420221°
 08/07/22 12:33 PM

SAMARPAN- An Initiative for earth environment health society and

surrounding, preparing tank for the concerned areas

To explore the best of the individual person for the concerned area of their interest. So that they may excel in life for mother earth.



SANGINI- Women and Gender Development Cell

To aware about the various aspects of gender sensitization, which is the teaching of gender of sensitivity and encouraging of behaviour modifications raising of gender equality concern.



INTERNAL QUALITY ASSURANCE CELL WOMEN & GENDER DEVELOPMENT CELL

**GOVT. DR. SHYAMA PRASAD
MUKHERJEE SCIENCE & COMMERCE
COLLEGE, BHOPAL M.P.**

As per UGC Mandate Section 3.2 (15) of UGC Guidelines (Prevention, Prohibition and Redressal of Sexual Harassment of women employees and students in higher educational institutions) Regulations 2015

Govt Dr Shyama Prasad Mukherjee Science & Commerce College, Bhopal MP believes in the construct of Gender Equity Development and its behavioral modifications, through raising awareness of gender equality concerns. It is an ongoing process to inculcate norms of respect, instilling empathy and non-discrimination towards unacceptability for misuse and abuse of power towards women.

In our college gender justice is imbibed as an integral part of the academic framework now.

Students from diverse and varied socio-economic and cultural background are part of academics here. College has adopted approach which is iterative, continuous and sustained with focus on empowering young students through educative and correctional strategies. However these are well defining procedure and process setup for grievance redressal, but there is a paradigm shift from purely punitive approach to empowerment strategies. Women and Gender Development Cell works in close coordination with Flagship programme 'Sangini' and has coordinator 'Sangini' as one of the members. Sangini organizes programmes related to gender Equity and Equality in the college.

Following is the constitution of College level Cell under the patron ship of Dr.Saroj Shrivastava Incharge Principal Govt. Dr. Shyama Prasad Mukherjee Science & Commerce College, Bhopal M.P.

Members Women and Gender Development Cell

NAME	EMAIL	PHONE NUMBER
Dr. Ragini Tiwari Chairperson	he.drraginitiwari@mp.gov.in	9303113697
Dr. Harneet Chima Member Secretary	drharneet.chima@mp.gov.in	8461949151
Dr. Sudhanshudhar Dwivedi Member IQAC Coordinator	drsudhanshud.dwivedi@mp.gov.in	9425007434
Mrs. Prathana Mishra Member Coordinator Sangini	sanginicenter@rediffmail.com	9424477290
Dr. Sarla Patel Member	drsarla.patel@mp.gov.in	9425469820
Dr. Ruchi Soni Member	dr.ruchisoni@mp.gov.in	9926702639
Dr. Nisha Yadav Member	he.nishayadav@mp.gov.in	8989599347

OBJECTIVES OF WOMEN AND GENDER DEVELOPMENT CELL:

1. Understanding and identifying any discriminatory behaviour towards women.
2. Organizing workshops and lectures and training workshops for students and academic fraternity on gender issues of equity and equality to make students and academic fraternity gender just and enable them to work as gender advocates to champion gender awareness among peers and in neighbourhood community.
3. Providing support and creating an enabling environment for sharing anxieties, problems and difficulties shared by them through regular counselling.
4. Promoting awareness among student community of the college about regarding Gender Equity and Equality.



Dr. Sudhanshudhar Dwivedi
Coordinator IQAC



Dr. Saroj Shrivastava
Chairperson IQAC





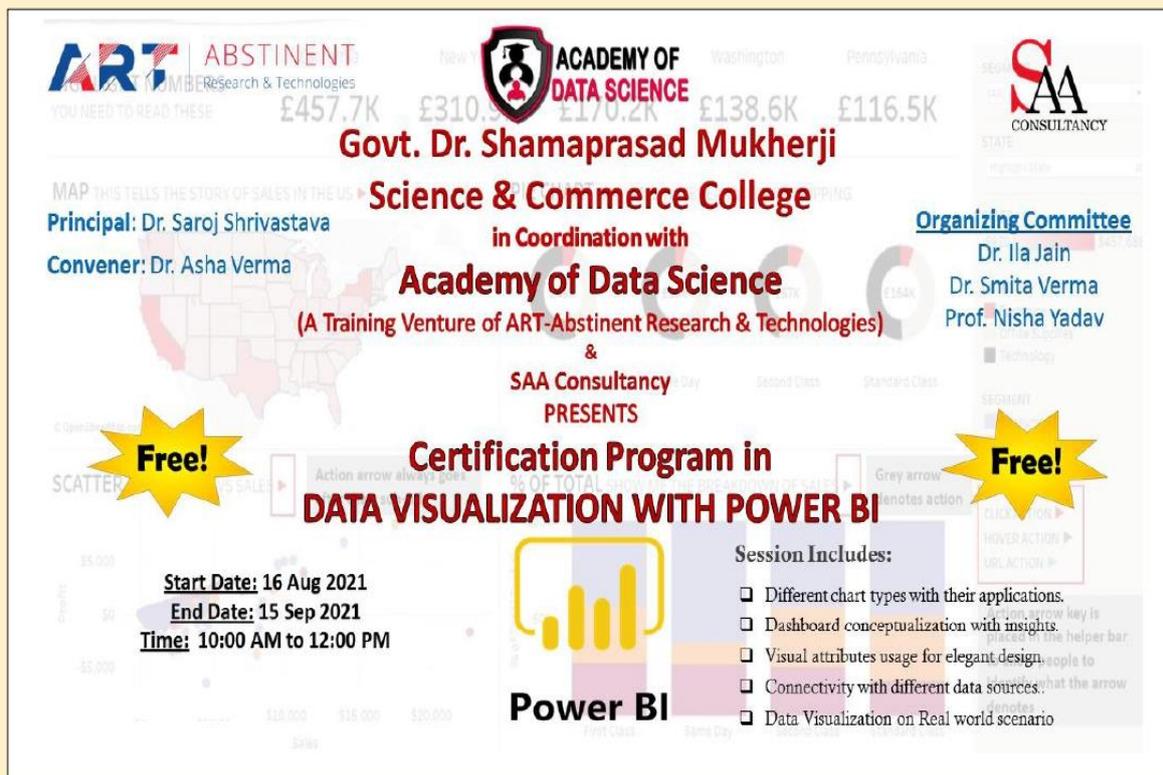


KAUSHAL- In house Capacity Building

Focusing on the students to make them ready for future, and aim for various personality traits and skills through the capacity building programmes and trainings.



SKILLS DEVELOPMENT AND JOB ORIENTED SHORT TERM TRAINING PROGRAM UNDER CAREER ORIENTATION SCHEME OF SWAMI VIVEKANAND



ART **ABSTINENT** Research & Technologies

ACADEMY OF DATA SCIENCE

Govt. Dr. Shamaprasad Mukherji

Science & Commerce College

Principal: Dr. Saroj Shrivastava

Convener: Dr. Asha Verma

Organizing Committee

Dr. Ila Jain

Dr. Smita Verma

Prof. Nisha Yadav

SAA CONSULTANCY

PRESENTS

Certification Program in

DATA VISUALIZATION WITH POWER BI

Free!

Free!

Power BI

Session Includes:

- Different chart types with their applications.
- Dashboard conceptualization with insights.
- Visual attributes usage for elegant design.
- Connectivity with different data sources.
- Data Visualization on Real world scenario

Start Date: 16 Aug 2021

End Date: 15 Sep 2021

Time: 10:00 AM to 12:00 PM

Course Name: Data Visualization with Power BI

Course Mode: Online

Duration: 16-August-2021 to 16-September-2021

Sponsor: Govt. Dr. Shamaprasad Mukherji Science & Commerce College

Organizer: Academy of Data Science under flagship of SAA Consultancy and ART – Abstinent Research and Technologies, Bhopal (M.P) - 462003

Vision

Equipping the students with relevant and conceptualized professional skills and guiding them towards a bright future and career all around the world with the values of – ‘Sincerity’, ‘Hard Work’ and ‘Ethics’.

Objective

Training and Skills Development Program to guide students to choose right career and to give knowledge, skill, and aptitude and meet the manpower requirements of the Industry. The prime objectives of the Training and Skills Development Program are:

- **To look for 100% employment** for all students.
- To recognize the core competencies of the students
- Developing the student's Technical knowledge and soft skills to meet the corporate recruitment process.
- To motivate students to develop their overall personality in terms of career planning, goal setting and reskilling which will stand them in good stead even after getting the job.
- To motivate students aspire for higher studies and guiding towards bright future.
- To build confidence in students and develop right attitude in them and
- Aiming to Place the maximum number of students through campus & off-campus interviews conducted by the top notch company

Placement:

At present, the competition for employment is increasing every day and placement has become a challenging task. Training of students and equipping them with life skills has become an important responsibility of the institution. Along with technical expertise, development of a holistic personality is also necessary.

Placement training plays a major role in shaping up the career goals of students. It is the dream of every graduate student to get placed in a top organization visiting their campus for recruitment. Keeping this key aspect into consideration, it is realized that training is important for all the Graduate students to enhance their employability skills and achieve good placement in various Industries.

The industry is always on the lookout for students who are vibrant, energetic individuals and ready to accept challenges, attentive, a good academic background, fast learners, open to learning even at work and more importantly, good communication skills.

Under our Skills Development training program, we are enlighten the students towards the new technology and tools associated with it to have hands on experience in that tool to grab a good job opportunity as a Data Analyst, MIS Analyst, Reporting Analyst or Report Developer etc. In addition to this, a road to development followed by practical exposure to Live projects which a candidate can have by joining our company. We have included Internship program to all the deserving candidates who wants to explore the arena of data science. They will join our company as an Intern and play with the data to create insightful dashboard and generate useful insights for the benefits of the company.

Course Curriculum:

Training program is designed in such a way that, we will teach the students right from the scratch till publishing of the report. Our training program covers following:

1. Introduction to Data
2. Types of Data
3. Data Analysis in MS-Excel
4. What is BI (Business Intelligence)?
5. Classification of BI tools
6. Introduction to Power BI
7. Install, Setup & Configuration
8. Power BI Desktop vs Power BI Services
9. Different Data Sources
10. Data Understanding & Pre-processing
11. Different Chart types & their applications
12. Data transformation and Data Modelling
13. DAX, Query Editor & Visual formatting
14. Dashboard and Report building
15. BI Lifecycle & Publishing reports & dashboards

Note: All the above session are delivered by Live Sessions by the trainer followed by assignment

Business Intelligence(BI)

- Business Intelligence(BI) is a combination of processes, architectures and technologies which converts raw data into meaningful information that drives profitable business actions.
- It refers to technologies, applications and practices for the collection, integration, analysis, and presentation of business information.
- It refers to taking raw data from a data source, transforming it into usable data and utilizing it to make reports and informative graphics for data analysis.



BI Tools



Power BI

Power BI is a collection of software services, apps, and connectors that work together to turn your unrelated sources of data into coherent, visually immersive, and interactive insights.

Power BI lets you easily connect to your data sources, visualize and discover what's important, and share that with anyone or everyone you want.



The Modes of Power BI

Power BI consists of:

1. A Windows desktop application called **Power BI Desktop**.
2. An online SaaS (Software as a Service) service called the **Power BI service**.
3. Power BI **mobile apps** for Windows, iOS, and Android devices.



Power BI Desktop

Power BI Desktop is a free application you install on your local computer that lets you connect to, transform, and visualize your data.

With Power BI Desktop, you can connect to multiple different sources of data, and combine them (often called *modeling*) into a data model.



4. Create Reports

A collection of visuals, in one Power BI Desktop file, is called a **report**. A report can have one or more pages, just like an Excel file can have one or more worksheets.

In the following image, you see the first page of a Power BI Desktop report, named **Overview**, as seen on the tab near the bottom of the image.



Getting Data

The visualizations and answers you see are getting their underlying data from a dataset that comes from a data source.

You can get data from any of the data sources in Power BI by selecting **Get Data** in the bottom-left corner of the page.

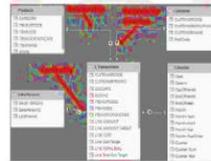
After you select **Get Data**, you can choose the data you want to access.



Create Relationships in Power BI Desktop

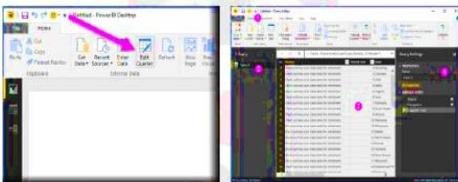
When we import multiple tables, chances are we'll do some analysis using data from all those tables.

Relationships between those tables are necessary to accurately calculate results and display the correct information in your reports.



Query Editor in Power BI

Power Query is made available in Power BI Desktop through Power Query Editor. To launch Power Query Editor, select **Edit Queries** from the **Home** tab of Power BI Desktop.



Different Type of Charts in Power BI

- Bar Chart
- Line chart
- Heat Map
- Pie Chart
- Scatter Plot
- Bubble Chart
- Histogram



- Donut Chart
- Gantt Bar Chart
- Frequency Polygon Chart
- Word Cloud
- Pareto Chart
- Dual Axis Chart
- Waterfall Chart



Using and Editing Query Parameters

Once the Query Parameters are defined, we can specify how they're being referenced or used by other queries.

If we want to change the value for a Query Parameter, you can do that within the report by selecting **Edit Parameters** from the **Edit Queries** button, found on the **Home** ribbon of Power BI Desktop.



What is DAX?

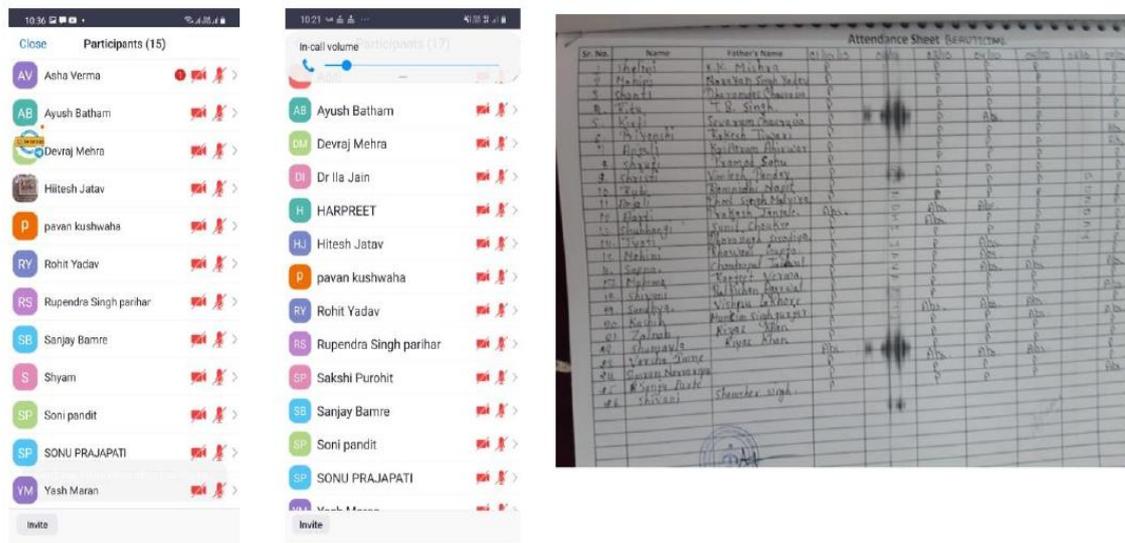
DAX is a collection of functions, operators, and constants that can be used in a formula, or expression, to calculate and return one or more values. DAX helps you create new information from data already in your model.

The three main concepts of DAX are:

- Syntax
- Functions
- Context



Monitoring Students Attendance:



Program Highlights:

- 100% Job Oriented Training Course
- Industry Ready Courses
- Hand on Experience on Cutting edge tool
- Exposure to New tool
- Training provided by Industry experts
- Online Training Program
- Instructor Led Training program

Program Takeaways:

- ✓ GUARANTEED JOB if you have expertise in technology domain
- ✓ Skills Development in Cutting Edge Technologies
- ✓ Expertise in Specific skills like Data Analysis, Dashboard Designing, Report Development, etc.
- ✓ Live Major Project work experience during Internship
- ✓ Experience Letter on Training Completion
- ✓ Certification on Training Completion
- ✓ Experience letter after Internship program completion
- ✓ Letter of Recommendation(LOR)

About us:

ADS (Academy of Data Science) (www.academyofdatascience.com)

The **Academy of Data Science** is the brain child of our team's vision to bring the resources and the learning that we acquired in Australia, America and UK to India and use them to train and develop the next generation of data sciences in India. Running under flagship of SAA Consultancy (www.saa.ai) and ART - Abstinent Research and Technologies (www.abstinentweb.com)

Our Clients

Heatherwood and
Wexham Park Hospitals
NHS Foundation Trust

LCH Liverpool Community Health
NHS Trust

The Royal Liverpool and
Broadgreen University Hospitals
NHS Trust

The Royal Liverpool
University Hospitals
LEEDS GREENS AND LIVERPOOL

Kent and Medway
NHS and Social Care Partnership Trust

Great Western Hospitals
NHS Foundation Trust

Frimley Park Hospital
NHS Foundation Trust

highways
england

Royal Berkshire
NHS Foundation Trust

Birmingham and Solihull
Mental Health NHS Foundation Trust

Nottinghamshire Healthcare
NHS Foundation Trust

tableau
PARTNER

Foundation Trust
For Gloucestershire
Mental & Social Healthcare

Dudley
Primary Care Trust

The Dudley Group of
Hospitals
NHS Foundation Trust

Income Tax Department
Government of India

Technologies we deals in

Microsoft

tableau

MicroStrategy

Power BI

Microsoft
SQL Server
Reporting Services

ORACLE

Qlik

crystal reports

Microsoft
SQL Server

Microsoft Azure

Microsoft
Dynamics

Office PerformancePoint
Server 2007

SharePoint

Informatica

SAP BusinessObjects

Excel

Dundas
Data Visualization

EXASOL

IBM Cognos
Analytics

Informer
Quick and Easy Business Intelligence

Contact us

Website: www.academyofdatascience.com & www.saa.ai

Email: info@academyofdatascience.com & info@saa.ai

Mobile & WhatsApp: 09893452420

To extract the capabilities and talent of students by providing them an adequate opportunity and platform at the institute level to excel in unsurpassed manner.

अनुपम

2019-20/2020-21

संस्कारक

डॉ. सरोज श्रीवास्तव
प्राचार्य

सम्पादक

डॉ. माधवीलता दुबे
प्राध्यापक एवं विभागाध्यक्ष, समाजशास्त्र

सह संपादक

डॉ. अरुणा जैन
डॉ. मीनू चतुर्वेदी
श्रीमती आशा वाधवानी
डॉ. एकता पाल

प्रिंट एवं ग्राफिक्स

श्री हरि डिजिटल प्रिंट



नोट:- चरित्र में प्रकाशित सामग्री में व्यक्त विचार लेखकों के अपने विचार हैं संपादक मंडल का उससे सहमत होना आवश्यक नहीं।



महाविद्यालयीन प्राचार्य एवं सहायक स्टाफ

