Chief Patron
Mr. Kishan Kumar Kejriwal
Chairman, MCKV Group

Patrons
Mr. Abhay Kejriwal
Trustee Member, MCKV Group
Prof. (Dr.) Partha Sarathi Chakraborthy
CEO, MCKV Group
Prof. (Dr.) Abhijit Lahiri
Principal, MCKVIE

Advisory Committee
Prof. (Dr.) Mita Nasipuri
Professor, CSE, JU
Prof. (Dr.) Nandini Mukhopadhyay
Professor, CSE, JU
Prof. (Dr.) Jyotsna Kumar Mandal
Professor, CSE, KU
Prof. (Dr.) Santi Prasad Maity
Professor, CSE, IIEST, Shibpur
Prof. (Dr.) Arghya Sarkar
Dean Academics & Administration, MCKVIE
Prof. (Dr.) Prasenjit Chatterjee
Dean Research and Consultancy, MCKVIE
Prof. (Dr.) Arun Kr. Jalan
Dean Student Affairs, MCKVIE
Prof. Avijit Bose
HOD (CSE), MCKVIE

Program Coordinator
Prof. (Dr.) S. S. Thakur
Associate Professor, CSE, MCKVIE, 📞 +91 9836773258

Conveners
Mrs. Soma Bandyopadhyay, Asst. Prof., CSE, 📞 +91 9830604711
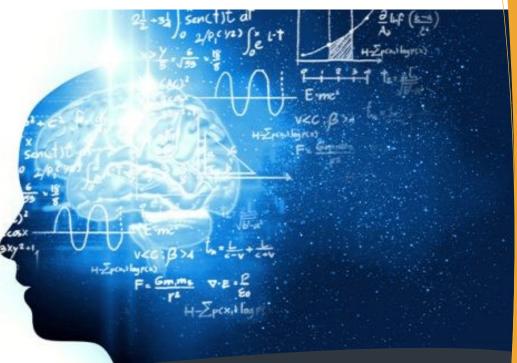*Mr. Sumit Majumdar*, Asst. Prof., CSE, 📞 +91 9432859194

✉ **atalfdpas2021@gmail.com**

Committee Members
All Faculty Members, Department of CSE, MCKVIE
All Laboratory Instructors, Department of CSE, MCKVIE

AICTE TRAINING AND LEARNING (ATAL) ACADEMY

5-DAYS FDP ON DATA SCIENCE
(Sponsored by AICTE)

20—24 September, 2021

Organized by
Department of Computer Science and Engineering
(NBA Accredited)

MCKV INSTITUTE OF ENGINEERING
(AICTE APPROVED AND MAKAUT AFFILIATED)
NAAC ACCREDITED GRADE — A
UGC APPROVED AUTONOMOUS INSTITUTE
www.mckvie.edu.in

ABOUT THE INSTITUTION

MCKV Institute of Engineering is one of the top engineering colleges in West Bengal established more than two decades ago (since 1999) with a vision to foster the spirit of techno-logical learning and its application through creating the right kind of opportunity and ambience for educating young minds in the digital era. The Institute has been accredited by NAAC with an 'A' Grade, and it is an Autonomous Institute affiliated to MAKAUT, WB and approved by AICTE. With the confidence of illustrious track record and with the support of autonomy, MCKVIE has stepped in to launch three new B.Tech courses viz. CSE (Data Science), ECE (VLSI Design) and Artificial Intelligence & Machine Learning (AI&ML) along with a PG course MBA (Business Analytics) where the curricula are designed to accommodate the trending need of the Industry.

The Institute is always committed to provide quality education to cater to the diversified needs of the industry and encourage research works as well for the society at large. Its State-of-the-art infrastructure, industry-academia collaborations, experienced senior faculty and rigorous hands-on training sessions, transform students into industry-ready professionals.

ABOUT THE DEPARTMENT

Department of Computer Science & Engineering was established in the year 1999, enriched with strong resource persons and state-of-the-art laboratories. The department has always emphasized on achieving academic and professional excellence. Alumni of the department are holding prestigious positions in various MNCs and Institutes and some of them are doing research. The program is equipped with State-of-the-art laboratories and strategic academic and industry collaborations to enable students with the latest best practices and hands-on industry exposure related to this field. The institute introduces B.Tech in Computer Science & Engineering course with specialization in Data Science from the Academic year 2020 - 2021.

ATAL ACADEMY

AICTE is committed to the development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Human Resource Development. The council understands that there is an urgent need to train the young generation and enhance their skills in these core areas, hence the need is there to train the faculties and technicians in this area. It was felt that Training with the latest tools and technologies is vital to keeping an institute competitive and more productive. Training is required for increasing the knowledge and skills of students to make them more employable to acquire global competencies. It also transforms them to harmonize with society and most importantly to make them good citizens of the country.

ABOUT THE FDP

Data Science basically is an amalgamation of mathematics, programming, statistics and design which are applied in order to successfully manage digital data collection. It is a multi-disciplinary field that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from structured and unstructured data. This FDP is aimed to impart knowledge and training on the fundamentals of data science and its applications.

This FDP will be beneficial to faculty members & research scholars who intend to practice/begin research in the field of data processing and analysis using advanced techniques such as AI/ML/DL etc. Demand for data scientists crosses all industries as employers scramble to harness the power of data analytics to personalize their products, minimize risk, and expand into new & innovative ways. The participants will be trained with a hands-on approach in order to have an in-depth insight into the domain of Data Sciences and expose them to Feasibility & future scope.

ELIGIBILITY AND SELECTION PROCESS

- The faculty members of the AICTE approved institutions, PG/Research Scholars, participants from Government, Industry and Staff members of host institutions.
- Coordinator's decision will be the final for selection of participants.

REGISTRATION PROCESS AND GUIDELINES

- There is No Registration fee for the Participants.
- Participants can register for the program as per the specified process of AICTE (ATAL Academy).
- E-Certificates will be issued to the participants by AICTE Training and Learning (ATAL) Academy to registered participants, provided participants obtain 80% attendance, and 60% marks in Assessment Test and Feedback given by participants on Portal only.
- An Assessment Test will be conducted on the last day of the program for all registered participants.

REGISTRATION LINK

https://atalacademy.aicte-india.org/login

ONLINE DELIVERY

Online Platform via "GoToMeeting"

The links will be shared with the participants to the Registered Email ID's.

AICTE SPONSORED 5-DAYS ATAL FDP ON DATA SCIENCE

Organized by: Department of Computer Science and Engineering, MCKVIE (NBA Accredited)

Program Schedule

Date / Timings	10:00 AM to 12:00 Noon	12:00 Noon to 2:00 PM	Break	2:30 PM to 4:30 PM
20/09/2021	**Inauguration Program** ————————————- **Session 1** Introduction to Data Science **Prof. Prasenjit Choudhury** NIT, DURGAPUR	**Session 2** Recent Trends in Machine learning and Deep learning **Prof. Santi Prasad Maity** IIEST, SHIBPUR	L	**Session 3** Probability and Statistics for Data Science **Prof. Goutam Bandyopadhyay** NIT, DURGAPUR
21/09/2021	**Session 4** Classification Analysis (SVM) **Prof. Suvamoy Changder** NIT, DURGAPUR	**Session 5** Clustering Analysis **Prof. Asit Kumar Das** IIEST, SHIBPUR	U	**Session 6** Linear & Logistic Regression Model Building **Prof. Goutam Bandyopadhyay** NIT, DURGAPUR
22/09/2021	**Session 7** Data Handling & Manipulation using Python Programming **Prof. Sk Md. Obaidullah** ALIAH UNIVERSITY, WB	**Session 8** Predictive Data Modeling & Analytics on Neural Computing using ML approach **Prof. Jyotsna Kumar Mandal** KALYANI UNIVERSITY, WB	N	**Session 9** Influence of Emotion on Decision making under uncertainty **Prof. Sachi Nandan Mohanty** COLLEGE OF ENGINEERING , PUNE
23/09/2021	**Session 10** Machine learning in Health Care **Prof. Debashis De** MAKAUT, WB	**Session 11** Data Visualization with Tableau **Prof. Sumeet Gupta** IIM, RAIPUR	C	**Session 12** Amazon Web Services (AWS) & its Applications **Mr. Malay Das Sharma** Cloud Architect & Evangelist
24/09/2021	**Session 13** Stress Management **Prof. Sunita Singh Sengupta** UNIVERSITY OF DELHI	**Session 14** Research Directions in Data Science **Prof. Jyotsna Kumar Mandal** KALYANI UNIVERSITY	H	**Test** **Data Sciences and its Applications** ——————————————— **Valedictory**

TAKE VACCINE ON YOUR TURN AND CONQUER COVID-19