LBS College of Engineering, Kasaragod

ATAL FDP

ON

Machine Learning Engineering for Production

JANUARY 8-13, 2024

Organized by

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Povval, Muliyar Post Office,
Kasaragod, Kerala-671542
Ph: 04994 250290, 04994 250555
www.lbscek.ac.in

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About the college: Lal Bahadur Shastri College of Engineering, Kasaragod was established in the year 1993 under L. B. S Centre for Science and Technology, Thiruvananthapuram which is a Govt. of Kerala undertaking. The Centre is administered by a Governing Body and an Executive Committee. The Chief Minister, Government of Kerala is the Chairman of the Governing Body and the Minister for Education is the Vice-Chairman. The Principal Secretary for Higher Education is the Chairman of the Executive Committee and the Director of Technical Education is its Vice-Chairman. The Director of the Centre is the Member Secretary of both the bodies. He is the Executive head of the Centre. There are Joint Directors, Deputy Directors, Assistant Directors, Administrative Officer, Finance Officer and other subordinate staff to help the Director in administration and financial matters. At present, the College is offering six Under Graduate programmes, one Post Graduate programme and is a research centre of APJKTU. The 52 acre wide campus located at Povval, is 12km away from Kasaragod city. The nearest Airport is Mangalore, about 75 km away from the College.

College Vision:
To become a paragon institution for pursuance of education and research in engineering and technology

College Mission:
- Impart finest quality Technical Education and training
- Nurture a vision of sustainable development
- Bequeath it to the next generation of professionals

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About the host department: Department of Computer Science and Engineering was established in the year 1993. Department is offering B.Tech programme in CSE with an intake of 120 and IT with intake of 30. Department is also offering M.Tech and Ph.D programmes. State-of-the-art facilities are available in all the labs to train the students capable of meeting the requirements of present and future. In addition to this our students have successfully contested in many State and National Level technical events. Moreover our students are getting well placed through on campus and off campus interviews in various Central /State/PSUs and Multinational Companies. Faculty and staff of CSED are actively involved in consultancy work. We have organised several training programmes for the community. Department has close interaction with various leading industries and educational institutions. Department also conducts many value added training programmes to the students and staff frequently.

Department Vision:
To be a renowned centre for education, research, and innovation in the frontier areas of Computer Science and Engineering.

Department Mission:
• Establish and maintain an operational environment to acquire, impart, create and apply knowledge in Computer Science and Engineering and inter-disciplinary
• Serve as a resource centre for innovation in design & development of hardware and software
• Inculcate leadership qualities, professional ethics and a sense of social commitment

L.B.S College of Engineering
(A Govt. of Kerala Undertaking)

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Objective of the FDP: Machine learning engineering for production refers to the tools, techniques, and practical experiences that transform theoretical ML knowledge into a production-ready skill set. Effectively deploying machine learning models requires competencies more commonly found in technical fields such as software engineering and DevOps. Machine learning engineering for production combines the foundational concepts of machine learning with the functional expertise of modern software development and engineering roles. With machine learning engineering for production, you can turn your knowledge of machine learning into production-ready skills. This FDP helps to gain practical knowledge on MLOps principles and data management to build and deploy ML models in production environments.

Course Contents:
- Introduction to MLOps, Essential data science and math for MLOps
- Python Essentials for MLOps, Applied Python for MLOps
- DevOps and DataOps, Deployment fundamentals - containers
- Container orchestration basics – Kubernetes
- MLFlow and KubeFlow, MLFlow and MLOps in Cloud
- SE principles and security for MLOps

Resource Persons:
Experts from academia of state and national institutes of engineering, premier research and development organizations and industries.

Who can apply?
The faculty members from AICTE approved or higher education institutions, Research Scholars/ Postgraduate students from the Universities/Colleges, and persons from industry/R&D organizations are eligible to apply. There is no registration fee; however, registration is mandatory for all participants. TA will be provided to outstation participants.

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Patron:
Prof.(Dr.) M. Abdul Rahiman., Director, LBSCST

Chairman:
Prof.(Dr.) Mohammad Shekoor T., Principal, LBSCE, Kasaragod

Coordinators:
Dr. Anver S R., Associate Professor, CSE, LBSCE, Kasaragod
Dr. Sarith Divakar M, Assistant Professor, CSE, LBSCE, Kasaragod

General Information:
No Registration Fee, however, Online Registration is Mandatory.
An assessment test and MCQ will be conducted for all participants.

How to Apply:
Interested participants should compulsorily register for the FDP through the following link on or before the last date.
https://atalacademy.aicte-india.org/login
After registration on the above link share your profile and email id to fdpcse@lbscek.ac.in. Number of participants is limited to 50.

Important Dates:
Last date of receiving application: 30-Nov-2023
Intimation of selection by e-mail: 12-Dec-2023

Contact Information:
Email: fdpcse@lbscek.ac.in
Mobile: 9447341312 | 9946760222

Venue:
LBS College of Engineering Kasaragod

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Registration Form

1. Name   :

2. Gender   :

3. Designation   :

4. Highest Qualification   :

5. Teaching Experience   :

6. Specialisation   :

7. Official address   :

8. Mobile No.   :

9. Email   :

10. Food preference (Veg/Non-Veg)   :

Date: Signature of Applicant

Sponsorship Certificate

The applicant will be permitted to participate in the above programme, if selected. Further, I have personally talked to the applicant and he/she seems to be sure of attending the course in case the admission is offered to him/her

Date: Signature

Sponsoring Authority (with seal) (Principal / Director)