



**OPEN SOURCE EXPERIMENTAL LAB  
for  
EMERGING TECHNOLOGIES  
at  
A.P. SHAH INSTITUTE OF TECHNOLOGY**

'Open Source Experimental Lab for Emerging Technologies' is a collaborative effort of APSIT and ASHNIK to impart skills in the areas of open source technologies including Database, Docker, Elastic Stack Analytics, NGINX to develop sufficient industry needed skills for students.

Linux and Open Source are changing the face of computing. Companies large and small are embracing Linux and Open Source for many reasons, including cost, reliability, flexibility, and availability. Open Source Experimental Lab (OSE Lab) is well equipped with the latest servers. Guidance is provided to the students by a team of professors and committee members. The labs are kept open after the college hours to enable the students to engage themselves in getting practiced with Laboratory experiments in their leisure hours. The lab will be used to train the students to make experiments to get familiar with the emerging open source technologies.

ASHNIK and APSIT have collaborated to set up an "Open Source Experimental Lab for Emerging Technologies" Lab in the campus to help students and faculty members enhance their skills in areas of open source technologies including Database, Docker, Elastic Stack Analytics, NGINX , Cloud and Linux Platform. This lab aims at providing knowledge of emerging open source technologies and expose students to open source soft wares.

A joint committee has been formed comprising of Professors, Students, representatives of APSIT and ASHNIK that will continuously discuss on content, delivery etc. The Committee will monitor and review the activities under these program and will also mentor the participating students.

While doing each program participant will have access to various open source communities for participating in their projects on their interest and to get additional study material and resources to interact with experts & participate in discussions.

Summary of Activities Conducted under Open Source Experimental Lab for Emerging Technologies:

Academic Year	Activity	Number of Students Participated
Academic Year 2017-2018	Expert Talk of Mr. Sandeep Khuperkar, CTO & Director ASHNIK “How Open source is driving Industry Trends”	60
Academic Year 2017-2018	Expert Talk of Mr. Sandeep Khuperkar, CTO & Director ASHNIK “How Open source Technologies are solving current critical Business Challenges”	60
Academic Year 2017-2018	APSIT Representatives participation in Tech Insight Event of ASHNIK & Docker “Modernize your Infra and Apps through DevOps”	NA
Academic Year 2017-2018	Training Session on ELK Stack of 3 days by Ajit Ghadge, SME ELK Stack ASHNIK	24
Academic Year 2018-2019	Training Session on ELK Stack of 3 days by Ajit Ghadge, SME ELK Stack ASHNIK	30
Academic Year 2018-2019	Industrial Visit to ASHNIK “Designing Enterprise Solutions in Open Source Way”	15
Academic Year 2018-2019	Intercollegiate Hackathon Hack script 1.0 in collaboration with ASHNIK	130
Academic Year 2018-2019	One day Docker hands on session by Mr. Jagannath Nikam ,SIGMOID	40

1. Expert Talk of Mr. Sandeep Khuperkar, CTO & Director ASHNIK “ How Open source is driving Industry Trends”



2. Expert Talk of Mr. Sandeep Khuperkar, CTO & Director ASHNIK “ How Open source Technologies are solving current critical Business Challenges”

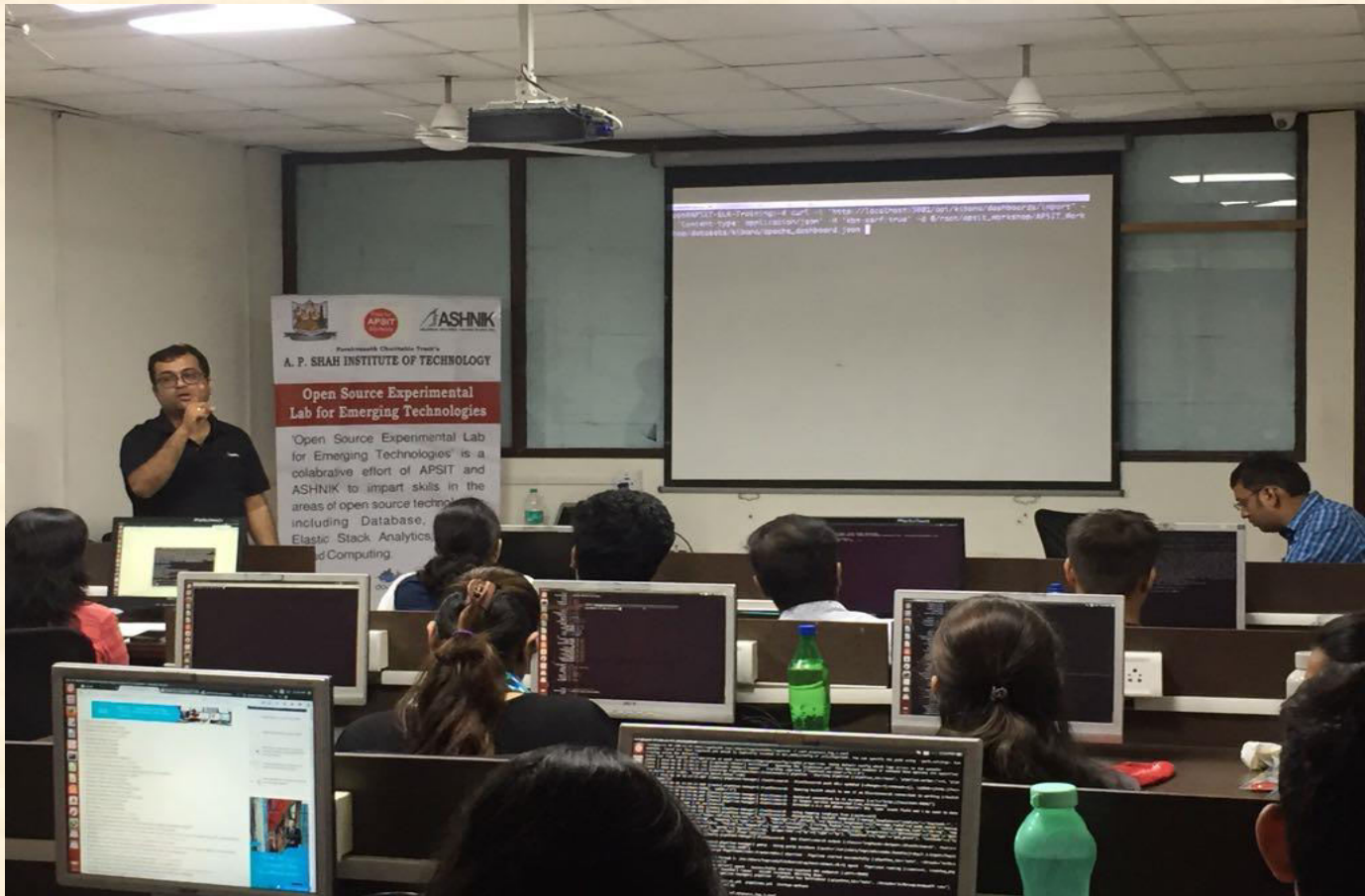


### 3. APSIT Representatives participation in Tech Insight Event of ASHNIK & Docker “Modernize your Infra and Apps through DevOps”



4. Training Session on ELK Stack of 3 days by Ajit Ghadge, SME ELK Stack ASHNIK.





## 5. Industrial Visit to ASHNIK “Designing Enterprise Solutions in Open Source Way”







6. Intercollegiate Hackathon Hack script 1.0 in collaboration with ASHNIK



7. One day Docker hands on session by Mr. Jagannath Nikam ,SIGMOID.

