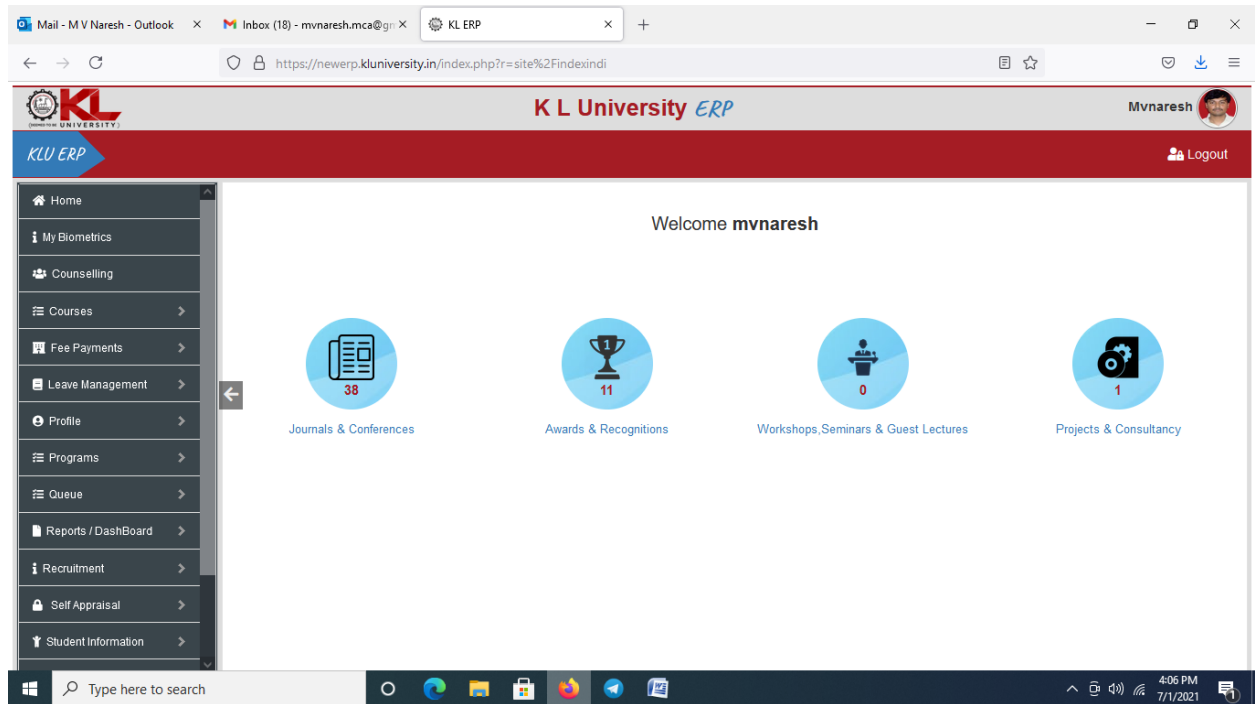
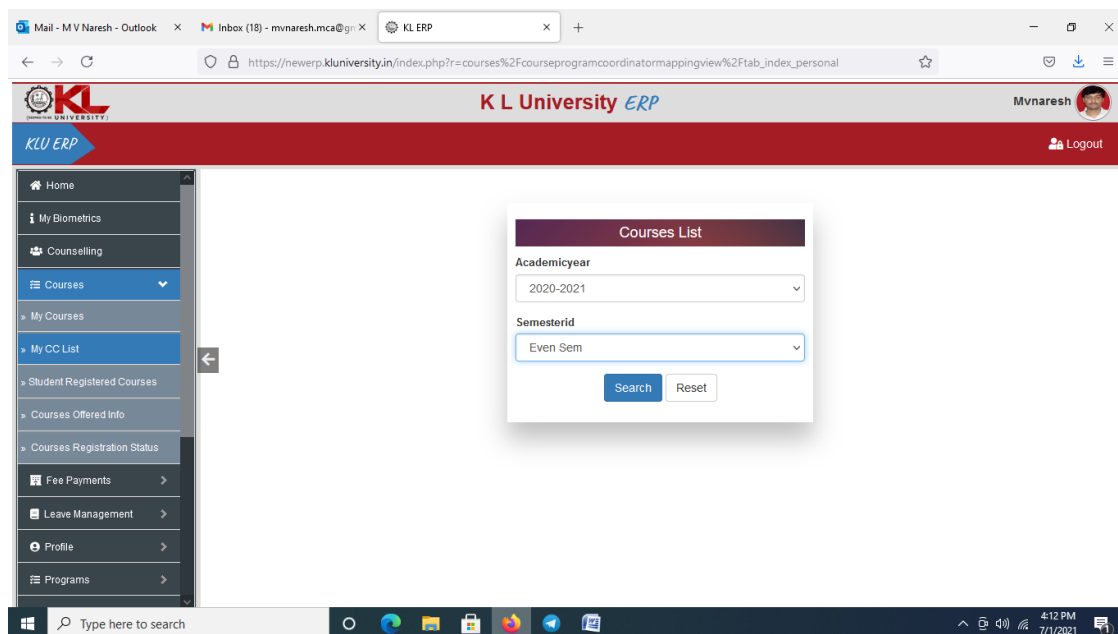


Course Syllabus: Login to ERP: [newerp.kluniversity.in](https://newerp.kluniversity.in)



Got to Course and click on My CC List:



Select Academic Year and Semester it will display list of Course where you are course coordinator:

**K L University ERP**

Home / Courses List As Coordinator

**Courses List As Coordinator**

Showing 1.5 of 5 items.

#	Coursecode	Coursedesc	Campus	Offered to	Degree	Academic Year	Sem	Type	Year	Studentlist	Course Shell
1	18CS3230A	Continuous Delivery & DevOps	KLVZA	CSE	Btech CSE	2020-2021	Even Sem	pe3	3	Sections	Course Obe Handout Approval Question Bank Marks Posting Final Marks Report
2	18CS3230P	Continuous Delivery & DevOps	KLVZA	CSE	Btech CSE	2020-2021	Even Sem	pe3	3	Sections	Course Obe Handout Approval Question Bank Marks Posting Final Marks Report
3	18CS3230S	Continuous Delivery & DevOps	KLVZA	CSE	Btech CSE	2020-2021	Even Sem	pe3	3	Sections	Course Obe Handout Approval Question Bank Marks Posting Final Marks Report

Click on Handout:

**K L University ERP**

Course Handout - Continuous Delivery & DevOps

**Syllabus/TextBooks**

Showing 1-7 of 7 items.

#	Type	Description
1	Syllabus	Introduction to DevOps. Understand the DevOps lifecycle, Tools & Technologies used in DevOps. Dasa DevOps Principles, Best Practices for DevOps, DevSecOps and its Manifesto, Workflow of DevOps and DevSecOps, Continuous integration with Jenkins and TeamCity. Building the code and configuring the Build Pipeline. Installing and configuring Chef. Configuration Management Tools: Puppet, Ansible and Saltstack. Installing & configuring Docker. Deploying Applications in AWS, Azure & Docker. Overview of Virtualization and Docker Installation on Multiple OS. Monitoring infrastructure and applications, Types of Monitoring Tools, Grafana and Elk Stack. Orchestrating application deployment.
2	Text Books	1. DevOps for Web Development - MiteshSoni, PACKT Publishing 2016 2. Beginning DevOps with Docker - Joseph Muli, PACKT Publishing 2018
3	Reference Books	1. DevOps With Kubernetes - Hideto Saito, Hui-Chuan Chloe Lee, Cheng-Yang, PACKT Publishing, 2019
4	Web Links	1. https://devops.com/

Click on Syllabus:

The screenshot shows the K L University ERP system interface. The top navigation bar includes the K L University logo, the user name 'Mvnaresh', and a 'Logout' button. The left sidebar contains a menu with options: Home, My Biometrics, Counselling, Courses, Fee Payments, Leave Management, Profile, Programs, Queue, Reports / DashBoard, Recruitment, Self Appraisal, and Student Information. The main content area is titled 'Syllabus/TextBooks/References/MOOCs' and shows 'Showing 1-7 of 7 items.' The table below lists the items:

#	Type	Description	Ref Reference Text
1	Syllabus	Introduction to DevOps. Understand the DevOps lifecycle, Tools & Technologies used in DevOps. Dasa DevOps Principles, Best Practices for DevOps, DevSecops and its Manifesto, Workflow of DevOps and DevSecOps, Continuous integration with Jenkins and TeamCity. Building the code and configuring the Build Pipeline. Installing and configuring Chef. Configuration Management Tools: Puppet, Ansible and Saltstack. Installing & configuring Docker. Deploying Applications in AWS, Azure & Docker. Overview of Virtualization and Docker Installation on Multiple OS. Monitoring infrastructure and applications, Types of Monitoring Tools, Grafana and Elk Stack. Orchestrating application deployment.	
2	Text Books	1. DevOps for Web Development – Mitesh Soni, PACKT Publishing 2016 2. Beginning DevOps with Docker – Joseph Mull, PACKT Publishing 2018	
3	Reference Books	1. DevOps With Kubernetes - Hideto Saito, Hui-Chuan Chloe Lee, Cheng-Yang, PACKT Publishing, 2019	
4	Web Links	1. <a href="https://devops.com/">https://devops.com/</a> 2. <a href="https://www.janbasstraining.com/blog/devops-tutorial/">https://www.janbasstraining.com/blog/devops-tutorial/</a> 3. <a href="https://theagileadmin.com/what-is-devops/">https://theagileadmin.com/what-is-devops/</a> 4. <a href="https://azure.microsoft.com/en-in/services/devops/">https://azure.microsoft.com/en-in/services/devops/</a>	
5	MOOCs	1. <a href="https://www.simplilearn.com/cloud-computing/devops-practitioner-certification-training?referrer=search&amp;tag=devops">https://www.simplilearn.com/cloud-computing/devops-practitioner-certification-training?referrer=search&amp;tag=devops</a> 2. <a href="https://www.coursera.org/learn/ava-darden-continuous-delivery-devops/home/welcome">https://www.coursera.org/learn/ava-darden-continuous-delivery-devops/home/welcome</a> 3. <a href="https://www.coursera.org/learn/devops-culture-and-mindset">https://www.coursera.org/learn/devops-culture-and-mindset</a> 4. <a href="https://www.coursera.org/learn/continuous-integration#syllabus">https://www.coursera.org/learn/continuous-integration#syllabus</a>	
6	Course Rationale	Continuous delivery and DevOps is about the discipline needed to develop high quality software that can be understood, maintained and adapted over long	