



## Koneru Lakshmaiah Education Foundation

(Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

❖ Recognised as Category 1 University by UGC ❖ Approved by AICTE ❖ ISO 21001:2018 Certified

**Campus:** Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; www.kluniversity.in

**Admin Off:** 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2577715, 2576129

### Department of Mechanical Engineering

#### A.Y 2025-2026, Even Semester

#### Alumni Guest Lecture Report

In view of alumni engagement activities, the Department of Mechanical Engineering organized an Alumni Guest Lecture by P. Smitha (Y0IPE240) of the Y0 (2000) batch, who is currently working as an Associate Consultant at Tata Consultancy Services, Bangalore. The guest lecture was conducted on 14-03-2026 from 02:30 P.M. to 03:30 P.M. on the topic “SAP Production Planning.” The session was held in offline mode at Peacock Hall. A total of 58 participants, including 52 students and 6 faculty members from the Department of Mechanical Engineering, attended the lecture.

The Department of Mechanical Engineering organized an Alumni Guest Lecture on “SAP Production Planning (SAP PP)” to provide students with industry exposure to enterprise resource planning systems used in modern manufacturing industries. The session was delivered by alumna Mrs. P. Smitha, who shared her professional experience in implementing and managing SAP solutions for manufacturing organizations. She explained how SAP helps companies plan, manage, and control production activities efficiently.





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At the beginning of the lecture, the speaker introduced the concept of Production Planning. She explained that production planning is the process of determining what to produce, when to produce, and how much to produce in order to meet customer demand while utilizing resources efficiently. She highlighted that effective production planning helps industries maintain optimum inventory levels, reduce production delays, and improve overall productivity.



The speaker then explained the integration of Production Planning with other SAP modules. She described how the Production Planning module works closely with modules such as Materials Management (MM), Sales and Distribution (SD), and Plant Maintenance (PM). Through this integration, information such as customer demand, material availability, inventory status, and machine maintenance schedules can be shared across departments. This integrated approach helps organizations coordinate production activities and make better operational decisions.

Further, she discussed different types of manufacturing and materials used in industries. She briefly explained manufacturing environments such as make-to-stock, make-to-order, and assemble-to-order, and how SAP Production Planning supports these different production strategies. Materials are categorized and managed in the system to ensure smooth production.



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A significant portion of the lecture focused on the Discrete Manufacturing Process in SAP. She explained that discrete manufacturing is commonly used in industries where products are manufactured as individual units, such as automobiles, machinery, and electronic equipment. The speaker described the typical workflow involved in discrete manufacturing, starting from demand planning, material requirement planning (MRP), production order creation, scheduling, and final production execution.





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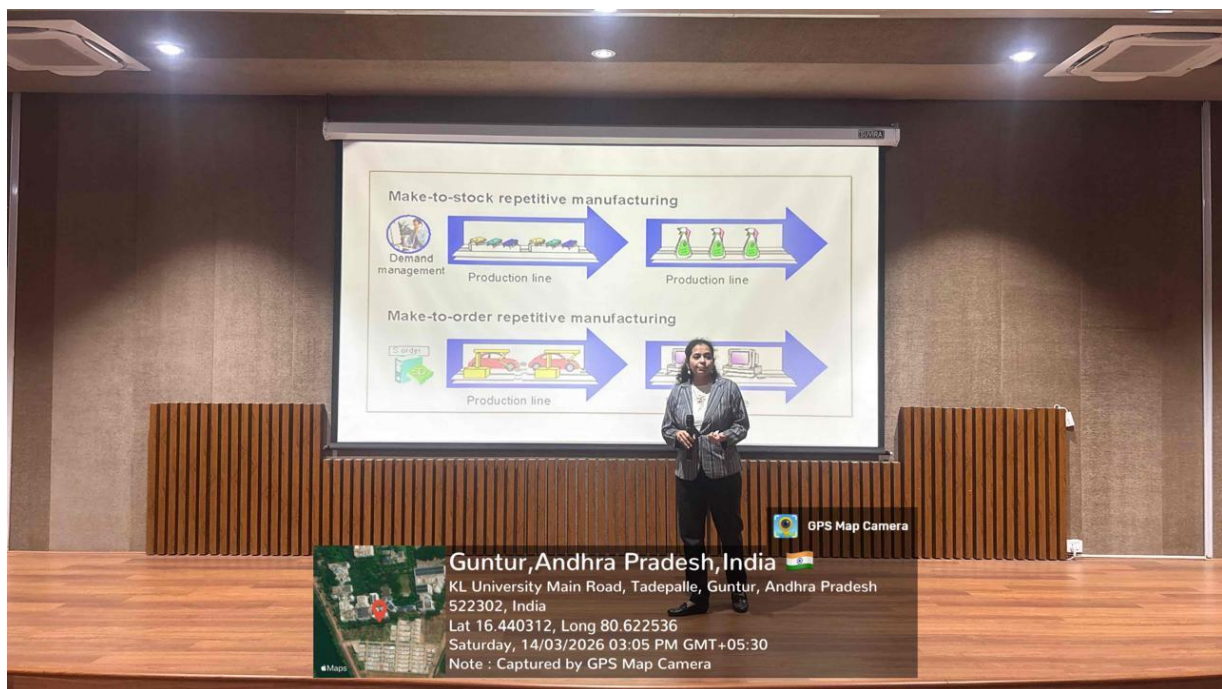
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The speaker also explained the importance of Master Data in Discrete Manufacturing, which forms the foundation of SAP Production Planning. She discussed different types of master data such as material master, work centers, routing, and bill of materials. These data elements help the system define how products are manufactured, which resources are used, and what operations are required during production.



One of the key topics covered in the session was the Bill of Materials (BOM). The speaker explained that a BOM is a structured list of all raw materials, components, and subassemblies required to manufacture a product. She demonstrated how the BOM helps industries maintain accurate material requirements and ensures that the correct components are available during production.

Finally, the lecture covered the concept of Production Order Execution. She explained the steps involved in executing a production order in SAP, including order creation, release of the order, confirmation of operations, goods movement, and order completion. The speaker highlighted how SAP tracks each stage of production, enabling organizations to monitor progress, control costs, and ensure product quality.



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The session was highly informative and interactive. Students gained valuable insights into the practical application of SAP in manufacturing industries and understood how production planning is managed using enterprise software systems. The lecture also helped bridge the gap between academic knowledge and real-world industrial practices.



The Department of Mechanical Engineering expressed its gratitude to the alumna for sharing her expertise and motivating students to explore career opportunities in enterprise systems and manufacturing management.

After the completion of the guest lecture, a felicitation ceremony was organized to honor the resource person. The Head of the Department, T. Vijaya Kumar, along with Alternate HoD K. V. Durga Rajesh, Associate Professor D. V. A. Rama Sastry, and Professors G. Murali and S. N. Padhi felicitated the resource person, P. Smitha. They honored her with a shawl and memento as a token of appreciation for sharing her valuable knowledge and professional experience with the students and faculty members. The department expressed its gratitude for her contribution and continued support to the alumni activities.



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A few students actively interacted with the speaker by asking questions related to SAP Production Planning, its practical implementation in industries, and career opportunities in SAP. The speaker patiently clarified their queries and shared additional insights from her professional experience. The session concluded with Dr. A. V. S. Ram Prasad delivering the Vote of Thanks, where he expressed sincere gratitude to the speaker for her informative lecture and valuable guidance to the students. He also thanked the department faculty members and students for their active participation, which made the session successful.

**Prepared by**

**(Dr. A.V.S Ram Prasad)**

**Approved by**

**(Dr. T. Vijaya Kumar)**