



DEPARTMENT OF PRODUCTION ENGINEERING

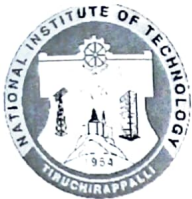
| COURSE PLAN -PART I                            |                                      |  |   |
|--|--------------------------------------|--|---|
| Name of the programme and specialization       | B. Tech. Production Engineering      |  |   |
| Course Title                                   | KNOWLEDGE MANAGEMENT                 |  |   |
| Course Code                                    | PRHO16                               | No. of Credits                           | 3                                       |
| Course Code of Pre-requisite subject(s)        | NA                                   |  |   |
| Session  | January 2023                         | Section (if, applicable)                 | -                                       |
| Name of Faculty                                | Dr. Deepak D. Patil                  | Department                               | Production Engineering                  |
| Official Email                                 | deepakdeecip@nitt.edu                | Telephone No.                            | 7020950289                              |
| Name of Course Coordinator(s) (if, applicable) | -                                    |  |   |
| Official E-mail                                | -                                    | Telephone No.                            | -                                       |
| Course Type (please tick appropriately)        | <input type="checkbox"/> Core course | <input type="checkbox"/> Elective course | <input type="checkbox"/> Honours course |

**Syllabus (approved in BoS)**

Knowledge society- Drivers of knowledge management-Intellectual capital- KM and learning organizations-Strategic alignment- Evaluation and strategic alignment-Infrastructural development and deployment- Role of CKO-Analyzing business environment-knowledge audit and analysis – designing KM team, system– Technology components- Intranet and Groupware solutions- tools for collaborative intelligence- Social networking-package choices- knowledge security-Integrating with web -based and internal operational & support systems- change management-reward systems- continuous improvement – Intellectual Property Rights.

**COURSE OBJECTIVES**

- To appreciate the role and use of knowledge in organizations and institutions, and the typical obstacles that Knowledge Management aims to overcome.
- To understand the core concepts, methods, techniques, and tools for computer support of knowledge management.
- To understand how to apply and integrate appropriate components and functions of various knowledge management systems.



| MAPPING OF COs with Pos  |   |
|--|---|
| Course Outcomes  | Programme Outcomes (PO)<br>(Enter Numbers only) |
| 1. Appreciate the role and use of knowledge in organizations and institutions, and the typical obstacles that Knowledge Management aims to overcome. | PO1, PO6, PO7                                   |
| 2. Understand the core concepts, methods, techniques, and tools for computer support of knowledge management.  | PO1, PO5, PO6, PO7                              |
| 3. Understand how to apply and integrate appropriate components and functions of various knowledge management systems.                               | PO1, PO6, PO7                                   |

| COURSE PLAN – PART II                   |                    |  |                  |
|---|--------------------|--|------------------|
| COURSE TEACHING AND LEARNING ACTIVITIES |                    |  |                  |
| S.No.                                   | Week/Contact Hours | Topic  | Mode of Delivery |
| 1                                       | 1/3hrs             | Knowledge society, Drivers of knowledge management                     | PPT<br>C&T       |
| 2                                       | 2/3hrs             | Intellectual capital, KM and learning organizations                    | PPT<br>C&T       |
| 3                                       | 3/3hrs             | Strategic alignment, Evaluation and strategic alignment                | PPT<br>C&T       |
| 4                                       | 4/3hrs             | Infrastructural development and deployment                             | PPT<br>C&T       |
| 5                                       | 5/3hrs             | Role of CKO, Analyzing business environment                            | PPT<br>C&T       |
| 6                                       | 6/3hrs             | Knowledge audit and analysis   | PPT<br>C&T       |
| 7                                       | 7/3hrs             | Designing KM team, System Technology components                        | PPT<br>C&T       |
| 8                                       | 8/3hrs             | Intranet and Groupware solutions, tools for collaborative intelligence | PPT<br>C&T       |



|    |         |  |            |
|----|---------|--|------------|
| 9  | 9/3hrs  | Social networking, package choices, knowledge security                 | PPT<br>C&T |
| 10 | 10/3hrs | Integrating with web, based and internal operational & support systems | PPT<br>C&T |
| 11 | 11/3hrs | Change management, reward systems                                      | PPT<br>C&T |
| 12 | 12/3hrs | Continuous improvement, Intellectual Property Rights                   | PPT<br>C&T |

**COURSE ASSESSMENT METHODS** (shall range from 4 to 6)

| S.No. | Mode of Assessment       | Week/Date                    | Duration | % Weightage |
|-------|--------------------------|------------------------------|----------|-------------|
| 1     | Cycle test-1             | 6 <sup>th</sup> Week         | 1 hr     | 20          |
| 2     | Cycle test-2             | 10 <sup>th</sup> Week        | 1 hr     | 20          |
| 3     | Assignment               | 8 <sup>th</sup> Week         | -        | 20          |
| CPA   | Compensation Assessment* | End of 12 <sup>th</sup> week | 1 hr     | 20          |
| 4     | Final Assessment *       | End of semester              | 3 hr     | 40          |

\*mandatory; refer to guidelines on page 4

**COURSE EXIT SURVEY** (mention the ways in which the feedback about the course shall be assessed)

Course Exit survey will be collected at the end of the semester before the start of semester examination through online. Students can log in their MIS account to give the feedback.

**COURSE POLICY** (including compensation assessment to be specified)

- Attending classes regularly and continuously is required for the students to understand the concepts.
- Attendance will be taken in every class. If the student is not able to maintain 75% attendance, he/she is required to write the compensation assessment and obtain a minimum of 15 marks to become eligible to write the final assessment.
- Participation in the discussions is mandatory during the tutorial classes.
- Strict academic disciplines have to be maintained inside the class room.



- If any student is not able to attend any of the continuous assessments (1, 2, and 3) due to genuine reason, student is permitted to attend the compensation assessment with % weightage equal to maximum of the CAs. However, a student absent for more than one CAs, maximum of the % weightage among the assessments for which the student was absent will be considered for computing marks for CA.
- Reassessment shall be conducted for failed / absented (in final assessment) in the beginning of next session. Failed (in final assessment) candidates shall get a maximum of E grade in the reassessment.

**ATTENDANCE POLICY** (A uniform attendance policy as specified below shall be followed)

- At least 75% attendance in each course is mandatory.
- A maximum of 10% shall be allowed under On Duty (OD) category.
- Students with less than 65% of attendance shall be prevented from writing the final assessment and shall be awarded 'V' grade.

**ACADEMIC DISHONESTY & PLAGIARISM**

- Possessing a mobile phone, carrying bits of paper, talking to other students, copying from others during an assessment will be treated as punishable dishonesty.
- Zero mark to be awarded for the offenders. For copying from another student, both students get the same penalty of zero mark.
- The departmental disciplinary committee including the course faculty member, PAC chairperson and the HoD, as members shall verify the facts of the malpractice and award the punishment if the student is found guilty. The report shall be submitted to the Academic office.
- The above policy against academic dishonesty shall be applicable for all the programmes.

**ADDITIONAL INFORMATION, IF ANY**

**After class communication- Doubt clarification**

The course faculty will be available for discussion in the department after class hours. Students can interact with faculty by using the specified mail id and phone number.

**FOR APPROVAL**

Dr. Deepak D. Patil

Course Faculty 02/02/2023

CC- Chairperson

[Signature]  
HOD