

Required Data Fields for Syllabus Maker Tool

1. course_info_notes (Course Identification and Credit Structure)

This category captures all fundamental administrative and scheduling information.

Data Field	Required Input	Source Example (Page 15, Computer Networks)
Course Title	Text Input ¹	Computer Networks ²
Course Code	Text Input ³	23IS501 ⁴
Course Category	Selection (Dropdown) ⁵	IPCC (Integrated Professional Core Course) ⁶
L-T-P (Lecture-Tutorial-Practical)	3 Number Inputs ⁷	(3-0-2) ⁸
Credits (C)	Number Input ⁹	4 ¹⁰
Hours/Week	Number Input ¹¹	5 ¹²
Total Hours	Text Input (Calculated L + P hours) ¹³	50 (36L + 14P) ¹⁴
Exam Duration	Text Input ¹⁵	3 Hrs. ¹⁶
Total Marks (SEE)	Number Input ¹⁷	50 Marks ¹⁸

2. objectives (Course Objectives and Outcomes)

This captures the learning goals and their mapping to institutional standards.

Data Field	Required Input	Source Example (Page 15)
Course Objective(s)	Large Text Area ¹⁹	Students will gain the basic knowledge of data communication and computer networks. ²⁰

Data Field	Required Input	Source Example (Page 15)
Course Outcomes (COs)	List of Structured Inputs (Minimum 4) ²¹²¹²¹²¹	
CO Description	Text Input for each CO ²²²²²²²²²²²²²²²²²²²²²²²²²²²²	e.g., "Explain the Ethernet Standard and Networking devices..." ²³
Mapping to POs	List of PO Acronyms for each CO ²⁴²⁴²⁴	e.g., 3, 4, 5 (for CO4) ²⁵
Mapping to PSOs	List of PSO Acronyms for each CO ²⁶	e.g., 1 (for CO2) ²⁷

3. modules_text (Module Content and Structure)

This captures the core content taught in the classes.

Data Field	Required Input	Source Example (Page 15, Computer Networks)
Module Number	4 Inputs (Fixed 1 to 4) ²⁸²⁸²⁸²⁸²⁸²⁸²⁸²⁸²⁸²⁸²⁸²⁸²⁸²⁸²⁸	Module-1, Module-2, etc. ²⁹²⁹²⁹²⁹²⁹²⁹²⁹²⁹²⁹²⁹²⁹²⁹²⁹²⁹²⁹
Module Hours	Number Input for each module ³⁰³⁰³⁰³⁰³⁰³⁰³⁰	e.g., 9 Hrs. ³¹
Topics Covered	Large Text Area for each module ³²³²³²³²³²³²³²³²³²³²³²³²³²	Detailed list of concepts, e.g., "Introduction: Data Communications, Network Types, Network Models..." ³³

4. cie_scheme (Continuous Internal Evaluation Scheme)

This section details how the internal 50 marks are structured and awarded.

Data Field	Required Input	Source Example (Page 17, Computer Networks)
Internal Test Structure Remarks	Text Input (How test marks are reduced) ³⁴	Three tests conducted for 20 marks each and reduced to 10 marks ³⁵
Internal Test Marks	Number Input	30 Marks ³⁶
Activity/AAT Tool Name	Text Input (e.g., Lab Conduction, Mini Project, Presentation) ³⁷	Lab Conduction (or AAT) ³⁸
Activity/AAT Remarks	Text Input (Specific rules for the activity) ³⁹	Details of activities to be conducted ⁴⁰
Activity/AAT Marks	Number Input	20 Marks ⁴¹
Total CIE Marks	Number Input ⁴²	50 ⁴³

5. see_scheme (Semester End Examination Scheme)

The PDF only specifies the SEE marks and minimum passing criteria, which are covered in the course_info_notes and the Evaluation table.

Data Field	Required Input	Source Example (Page 5)
SEE Exam Marks	Number Input ⁴⁴	50 ⁴⁵
Minimum Marks to Qualify (SEE)	Number Input ⁴⁶	20 ⁴⁷

6. activities (Case Studies, Projects, and Mandatory Audits)

This covers non-lab-based practical work, like AATs that aren't labs, and mandatory courses.

Data Field	Required Input	Source Example (Page 29, Entrepreneurship and Management)
Activity Type	Selection (Case Study/Project/Seminar) ⁴⁸	Visiting Start up industry (AAT) ⁴⁹
Activity Details	Detailed Steps/Deliverables ⁵⁰	1) Group of 3/4 visit the industry/Start up industry - 10M, 2) Preparation of the report-5M, 3) Presentation - 5M ⁵¹
MC/Mandatory Details	Details of mandatory non-credit courses (NSS, YOGA, PE, etc.) ⁵²	Course Title: National Service Scheme (NSS), Total Hours: 24 ⁵³

7. lab_work (Practical Experiments)

This captures the specific experiments or programs required for lab-integrated courses.

Data Field	Required Input	Source Example (Page 17, Computer Networks)
Experiment/Program Sl. No.	Number Input ⁵⁴	1, 2, 3... ⁵⁵
Program Details/Description	Large Text Area ⁵⁶	e.g., "Write and execute a program for distance vector algorithm..." ⁵⁷
Lab Assessment	Continuous Evaluation, Lab Test, Record Writing structure, if standalone lab ⁵⁸	e.g., Record Writing (20 Marks), Continuous Evaluation (10 Marks), Lab CIE (20 Marks) ⁵⁹

8. ebooks (Electronic Resources)

Data Field	Required Input	Source Example (Page 16)
E-Book Title (Optional)	Text Input	
E-Book Link/URL	Text Input ⁶⁰	https://dpvipracollege.in/wp-content/...Forouzan.pdf

9. moocs (Online Courses)

Data Field	Required Input	Source Example (Page 16)
MOOC Course Name (Optional)	Text Input	Computer Networking ⁶²
MOOC Platform/Link	Text Input ⁶³	https://www.my-mooc.com/en/mooc/... ⁶⁴ , https://onlinecourses.nptel.ac.in/... ⁶⁵

10. assessment_rubrics (Criteria and Weightages)

This is primarily for Project/Mini Project courses.

Data Field	Required Input	Source Example (Page 47, Mini Project)
Performance Indicator Name	Text Input ⁶⁶	e.g., Literature Survey and Problem Definition ⁶⁷
Marks/Weightage	Number Input ⁶⁸	e.g., (5 Marks) ⁶⁹
Low Performance Description	Text Input ⁷⁰	e.g., Literature Survey not pertaining to the title... (2M) ⁷¹
Medium Performance Description	Text Input ⁷²	e.g., Incomplete literature survey and improper problem definition (3-4 M) ⁷³
High Performance Description	Text Input ⁷⁴	e.g., Extensive literature survey with clear state of the art problem definition (5M) ⁷⁵

Course Articulation Matrix (CO-PO/PSO Mapping)

The matrix is a mandatory component that shows the correlation level between each **Course Outcome (CO)** and every possible **Program Outcome (PO1 to PO12)** and **Program Specific Outcome (PSO1, PSO2)**.

Required Input Fields:

For **every Course Outcome (CO1, CO2, CO3, CO4, etc.)** entered by the faculty, they must provide a correlation level for all 14 PO/PSO categories.

Data Field Category, Required Input (Level of Correlation), Notes / Constraints

PO1 to PO12, Number Input (for each CO), "Enter 3, 2, 1, or blank/0."

PSO1, Number Input (for each CO), "Enter 3, 2, 1, or blank/0."

PSO2, Number Input (for each CO), "Enter 3, 2, 1, or blank/0."