

Structured Timetable Dataset & Report — MOHIT GARHEWAL

This file contains a machine-friendly dataset (JSON & CSV saved alongside) and a human-readable report for training an AI agent. The agent should ingest the JSON/CSV, index vectors for course entries and slot mappings, and use the 'extraction_and_query_instructions' to answer day-specific timetable queries.

Field	Value
Student Name	MOHIT GARHEWAL
Roll No	230005028
Department	Metallurgical Engineering and Materials Science
Program	B.Tech.
Semester	2025/Autumn
Year	3
Academic Standing	1
Total Credits Registered	21.5

Registered Courses (extracted):

Course Code	Course Name	L-T-P-C	Credits	Slot	Room	Coordinator
HS 313	History of Early Cinema	3-0-0-3	3	A	Sandipani Seminar Hall	NA
MM 305N	Iron and Steel Making	2-1-0-3	3	C	L-42	NA
MM 309N	Computational Methods for Materials	2-1-0-3	3	B	L-43	NA
MM 311	Optical and Magnetic Properties of Materials	2-1-0-1.5	1.5	D	L-42	NA
MM 313	Non-ferrous Extractive Metallurgy	2-0-2-3	3	E (M1,M2 N1,N2)	L-42	NA
MM 315	Polymer and Composites	2-1-0-3	3	F	L-42	NA
MM 325	Advances in Metals and Alloys Processing	2-1-0-3	3	G3	L-41	Pending
MM 353	Computational Methods for Materials Lab	0-0-2-1	1	O1,O2 / P1,P2 (Lab specific identifiers)	L-43	NA
MM 355	Polymer and Composites Lab	0-0-2-1	1	P1,P2 / O1,O2 (Lab specific identifiers)	L-43	NA

Slot Assignments (slot -> course codes):

Slot	Assigned Course Codes / Lab groups
A	HS 313
B	MM 309N
C	MM 305N
D	MM 311
E	MM 313
F	MM 315
G3	MM 325
O1	MM 353 (lab group)
O2	MM 353 (lab group)

P1	MM 353 / MM 355 (lab groups)
P2	MM 353 / MM 355 (lab groups)

SAMPLE Slot -> Day/Time Template (EDIT BEFORE PRODUCTION):

A: Days: Monday, Wednesday | Time: 09:00-09:50 | Notes: Lecture slot

B: Days: Monday, Wednesday | Time: 10:00-10:50 | Notes: Lecture slot

C: Days: Tuesday, Thursday | Time: 11:00-11:50 | Notes: Lecture slot

D: Days: Tuesday, Thursday | Time: 14:00-14:50 | Notes: Lecture slot

E: Days: Wednesday, Friday | Time: 15:00-15:50 | Notes: Lecture slot - may have M1/M2/N1/N2 subgroups

F: Days: Thursday | Time: 16:00-16:50 | Notes: Lecture slot

G3: Days: Friday | Time: 14:00-15:00 | Notes: Special slot - often seminar/guest/extra lab

O1: Days: Monday | Time: 09:00-12:00 | Notes: Lab slot - group O1

O2: Days: Tuesday | Time: 09:00-12:00 | Notes: Lab slot - group O2

P1: Days: Wednesday | Time: 13:00-16:00 | Notes: Lab slot - group P1

P2: Days: Thursday | Time: 13:00-16:00 | Notes: Lab slot - group P2

How the RAG agent should answer 'What's today's timetable?':

- 1) Determine current weekday (e.g., Monday).
- 2) Load the slot_time_template (user must confirm or edit the sample template to match real timetable mapping).
- 3) Find all slots whose 'days' include the current weekday.
- 4) For each matching slot, lookup slot_assignments to get course codes and then join with 'courses' to get full course details (code, full name, credits, room).
- 5) Return a bullet list sorted by the time field from the slot_time_template, each bullet containing: time, slot, course code, course name, room (if available).
- 6) If lab group details exist (e.g., 'P1,P2'), explicitly mention group identifiers and suggest the model ask a follow-up question if the user's group is ambiguous.
- 7) If the model finds a slot with no room or 'No extractable text', include the course but add 'room not specified' so the user knows the dataset is incomplete.
- 8) If multiple courses share a slot (rare), list them all with separators.

Example response (using the SAMPLE slot->time template). If today = Wednesday:

- 09:00-09:50 | Slot A | HS 313 — History of Early Cinema | Room: Sandipani Seminar Hall
- 10:00-10:50 | Slot B | MM 309N — Computational Methods for Materials | Room: L-43
- 13:00-16:00 | Slot P1 | MM 353 — Computational Methods for Materials Lab | Room: room not specified
- 15:00-15:50 | Slot E | MM 313 — Non-ferrous Extractive Metallurgy | Room: L-42

Raw JSON dataset (also saved as a separate file):

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{ "metadata": { "roll_no": "230005028", "student_name": "MOHIT GARHEWAL", "department": "Metallurgical Engineering and Materials Science", "program": "B.Tech.", "semester_label": "2025/Autumn", "year": 3, "academic_standing": 1, "credit_limit": 30, "total_registered_credits": 21.5, "source_files": [ "SEM 5TH_3RD YEAR.pdf", "timetable_screenshot_148ce3f9-27c3-4c30-a3f6-d3df71be8849.png" ] }, "courses": [ { "course_code": "HS 313", "course_name": "History of Early Cinema", "weekly_L-T-P-C": "3-0-0-3", "credits": 3, "slot": "A", "room": "Sandipani Seminar Hall", "course_coordinator_acceptance": "NA" }, { "course_code": "MM 305N", "course_name": "Iron and Steel Making", "weekly_L-T-P-C": "2-1-0-3", "credits": 3, "slot": "C", "room": "L-42", "course_coordinator_acceptance": "NA" }, { "course_code": "MM 309N", "course_name": "Computational Methods for Materials", "weekly_L-T-P-C": "2-1-0-3", "credits": 3, "slot": "B", "room": "L-43", "course_coordinator_acceptance": "NA" }, { "course_code": "MM 311", "course_name": "Optical and Magnetic Properties of Materials", "weekly_L-T-P-C": "2-1-0-1.5", "credits": 1.5, "slot": "D", "room": "L-42", "course_coordinator_acceptance": "NA" }, { "course_code": "MM 313", "course_name": "Non-ferrous Extractive Metallurgy", "weekly_L-T-P-C": "2-0-2-3", "credits": 3, "slot": "E (M1,M2 N1,N2)", "room": "L-42", "course_coordinator_acceptance": "NA" }, { "course_code": "MM 315", "course_name": "Polymer and Composites", "weekly_L-T-P-C": "2-1-0-3", "credits": 3, "slot": "F", "room": "L-42", "course_coordinator_acceptance": "NA" }, { "course_code": "MM 325", "course_name": "Advances in Metals and Alloys Processing", "weekly_L-T-P-C": "2-1-0-3", "credits": 3, "slot": "G3", "room": "L-41", "course_coordinator_acceptance": "Pending" }, { "course_code": "MM 353", "course_name": "Computational Methods for Materials Lab", "weekly_L-T-P-C": "0-0-2-1", "credits": 1, "slot": "O1,O2 / P1,P2 (Lab group identifiers)", "room": "", "course_coordinator_acceptance": "NA" }, { "course_code": "MM 355", "course_name": "Polymer and Composites Lab", "weekly_L-T-P-C": "0-0-2-1", "credits": 1, "slot": "P1,P2 / O1,O2 (Lab group identifiers)", "room": "", "course_coordinator_acceptance": "NA" } ], "slot_assignments": { "A": [ "HS 313" ], "B": [ "MM 309N" ], "C": [ "MM 305N" ], "D": [ "MM 311" ], "E": [ "MM 313" ], "F": [ "MM 315" ], "G3": [ "MM 325" ], "O1": [ "MM 353 (lab group)" ], "O2": [ "MM 353 (lab group)" ], "P1": [ "MM 353 / MM 355 (lab groups)" ], "P2": [ "MM 353 / MM 355 (lab groups)" ] }, "slot_time_template_note": "Below mapping is a SAMPLE template. Edit times/days to match your institute schedule before using it in production. The model should use this to convert slot codes to actual day/time for answering 'today's timetable'.", "slot_time_template_sample": { "A": { "days": [ "Monday", "Wednesday" ], "time": "09:00-09:50", "notes": "Lecture slot" }, "B": { "days": [ "Monday", "Wednesday" ], "time": "10:00-10:50", "notes": "Lecture slot" }, "C": { "days": [ "Tuesday", "Thursday" ], "time": "11:00-11:50", "notes": "Lecture slot" }, "D": { "days": [ "Tuesday", "Thursday" ], "time": "14:00-14:50", "notes": "Lecture slot" }, "E": { "days": [ "Wednesday", "Friday" ], "time": "15:00-15:50", "notes": "Lecture slot - may have M1/M2/N1/N2 subgroups" }, "F": { "days": [ "Thursday" ], "time": "16:00-16:50", "notes": "Lecture slot" }, "G3": { "days": [ "Friday" ], "time": "14:00-15:00", "notes": "Special slot - often seminar/guest/extra lab" }, "O1": { "days": [ "Monday" ], "time": "09:00-12:00", "notes": "Lab slot - group O1" }, "O2": { "days": [ "Tuesday" ], "time": "09:00-12:00", "notes": "Lab slot - group O2" }, "P1": { "days": [ "Wednesday" ], "time": "13:00-16:00", "notes": "Lab slot - group P1" }, "P2": { "days": [ "Thursday" ], "time": "13:00-16:00", "notes": "Lab slot - group P2" } }, "extraction_and_query_instructions": [ "1) Determine current weekday (e.g., Monday).", "2) Load the slot_time_template (user must confirm or edit the sample template to match real timetable mapping).", "3) Find all slots whose 'days' include the current weekday.", "4) For each matching slot, lookup slot_assignments to get course codes and then join with 'courses' to get full course details (code, full name, credits, room).", "5) Return a bullet list sorted by the time field from the slot_time_template, each bullet containing: time, slot, course code, course name, room (if available).", "6) If lab group details exist (e.g., 'P1,P2'), explicitly mention group identifiers and suggest the model ask a follow-up question if the user's group is ambiguous.", "7) If the model finds a slot with no room or 'No extractable text', include the course but add 'room not specified' so the user knows the dataset is incomplete.", "8) If multiple courses share a slot (rare), list them all with separators." ] }
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