

NEUR NU DGE

**AUTONOMOUS SCHEDULING & TASK PRIORITIZATION ASSISTANT
DESIGNED TO SUPPORT STUDENTS WITH ADHD**

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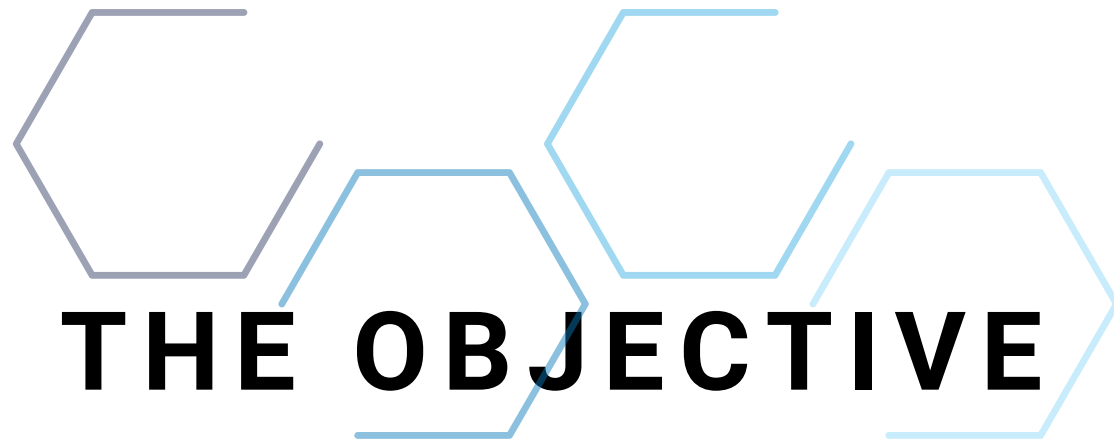
**DEPT. OF COMPUTER SCIENCE AND ENGINEERING
FACULTY SPONSOR: DAVE OGLE Ph.D.**



ADHD & THE PROBLEM WITH *TIME*

1. PERCEPTION OF TIME (TIME BLINDNESS & TASK ESTIMATION)
2. INITIATION AND FOCUS (PROCRASTINATION & DIFFICULTY MAINTAINING FOCUS)
3. TASK MANAGEMENT (DIFFICULTY PRIORITIZING, OVERLOOKING TASKS, & OVERCOMMITMENT)
4. IMPULSIVITY AND DISTRACTION
5. ROUTINE AND TRANSITION

THIS LEADS TO INCREASED **ANXIETY**, **STRESS**, AND **DEPRESSION**. WHICH AMPLIFIES THE DIFFICULTIES THESE STUDENTS FACE, ONLY MAKING MATTERS WORSE.



- ALLEVIATE ADHD INDUCED ACADEMIC STRESS, ANXIETY, & DEPRESSION
- REMOVE BARRIERS FOR TASK INITIATION
- IMPROVE ACADEMIC PERFORMANCE
- PROMOTE EQUITY FOR DIVERSE THINKERS
- TRANSITION FROM TASK MANAGEMENT, TO *TIME* MANAGEMENT

A decorative graphic consisting of several overlapping hexagons in light blue and purple tones, arranged in a horizontal row.

THE SOLUTION



- INNOVATIVE TIME MANAGEMENT SYSTEM FOR STUDENTS WITH ADHD
- TASK PRIORITIZATION
- TASK CATEGORIZATION
- AUTONOMOUS TIME-BLOCKING
- DYNAMIC SCHEDULE ADAPTATION





RETRIEVAL & PRIORITY SORTING

RETRIEVES THE STUDENT'S SEMESTER TASKS FROM CALENDAR CANVAS FILE, ALONG WITH THEIR DEADLINES AND OTHER RELEVANT DETAILS. THEN AUTOMATICALLY ASSIGNS A **PRIORITY** ON EACH ASSIGNMENT BASED ON THE ASSIGNMENTS OVERALL IMPACT ON THE FINAL GRADE.



SMART CATEGORIZATION

AUTOMATICALLY CATEGORIZE TASKS INTO DIFFERENT TYPES SUCH AS HOMEWORK, PROJECTS, AND 5-DAY STUDY PLAN FOR TESTS.

- TESTS
- LABS
- PROJECTS
- HOMEWORKS
- STUDY PLANS

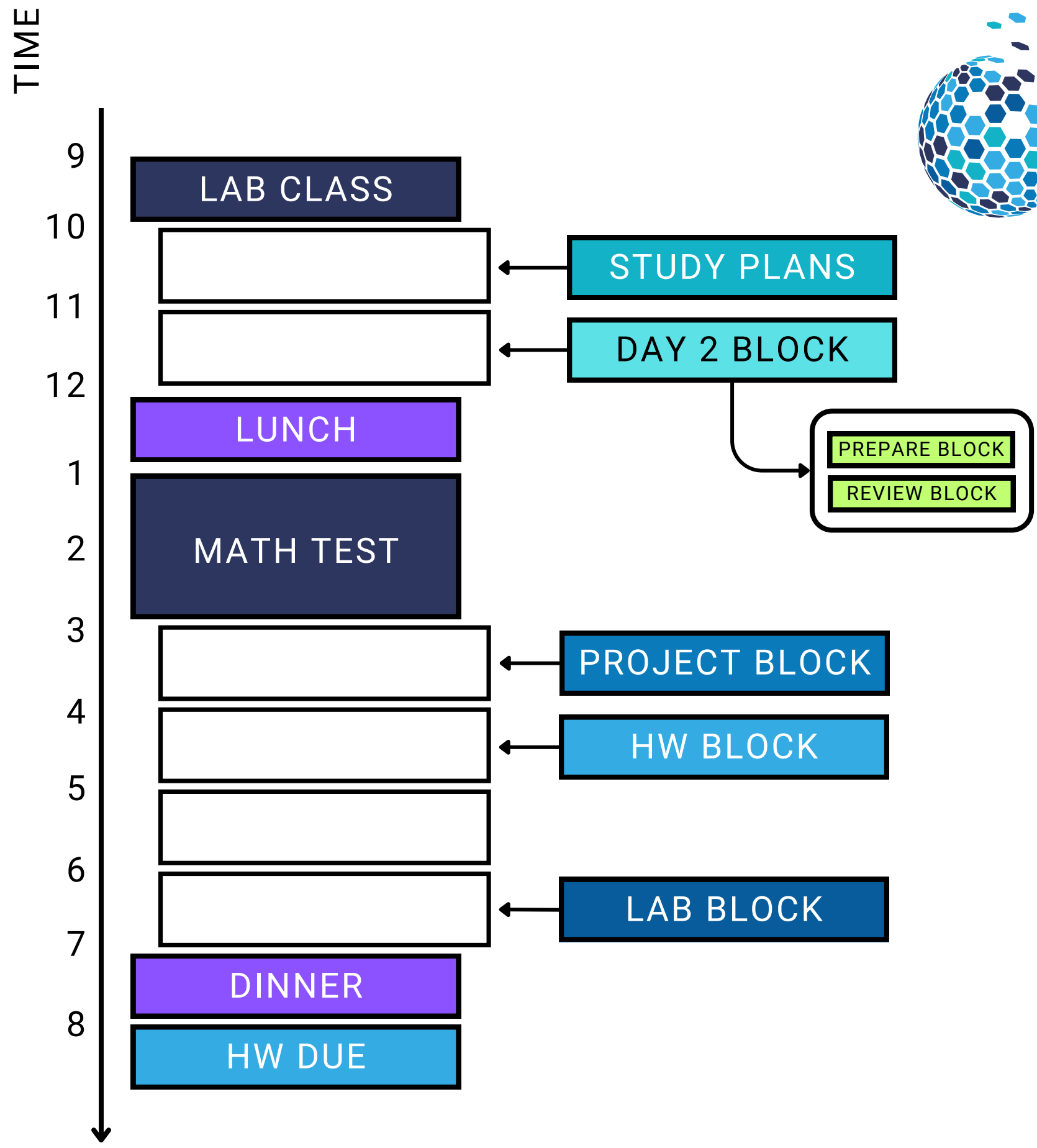
TIME BLOCKING

EMPTY TIME SLOT IDENTIFICATION

ANALYZE STUDENT CALENDAR TO IDENTIFY AVAILABLE TIME BLOCKS.

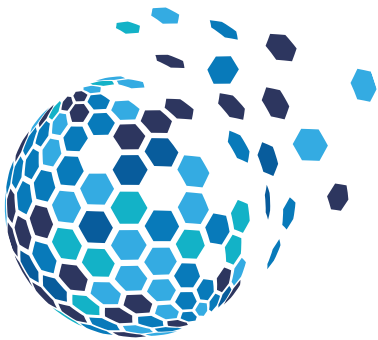
ALLOCATE TASKS TO TIME BLOCKS BASED ON PRIORITY, DEADLINE, AND ESTIMATED DURATION.

IMPROVE FOCUS, REDUCE STRESS, AND ENHANCE PRODUCTIVITY FOR STUDENTS WITH ADHD BY PROVIDING STRUCTURED SCHEDULING.





STUDY PLAN



5 DAY STUDY PLAN SCHEDULING BACKED BY RESEARCH

- WITH EXAMS, NEURO-NUDGE AUTOMATICALLY SPACES OUT STUDY SESSIONS OVER A PERIOD OF 5 DAYS.
- EACH DAY, USERS ARE ALLOCATED 2 HOURS FOR STUDYING, PROMOTING CONSISTENT AND MANAGEABLE STUDY SESSIONS.
- EACH STUDY SESSION IS COMPOSED OF A TIME FOR PREPARING AND A TIME FOR REVIEWING.


EXAM 1 STUDY

1. BLERKOM, D. L. (2012). ORIENTATION TO COLLEGE LEARNING (7 EDITION). BOSTON: ENGAGE

2. BLERKOM, D. L. AND MULCAHY-ERNT, P. I. (2004). COLLEGE READING AND STUDY STRATEGIES. BOSTON: CENGAGE.

3. TEXAS A&M UNIVERSITY ACADEMIC SUCCESS CENTER (N.D.). 5 DAY STUDY PLAN. [HTTPS://ASC.TAMU.EDU/STUDY-LEARNING-HANDOUTS/5-DAY-STUDY-PLAN](https://asc.tamu.edu/study-learning-handouts/5-day-study-plan)

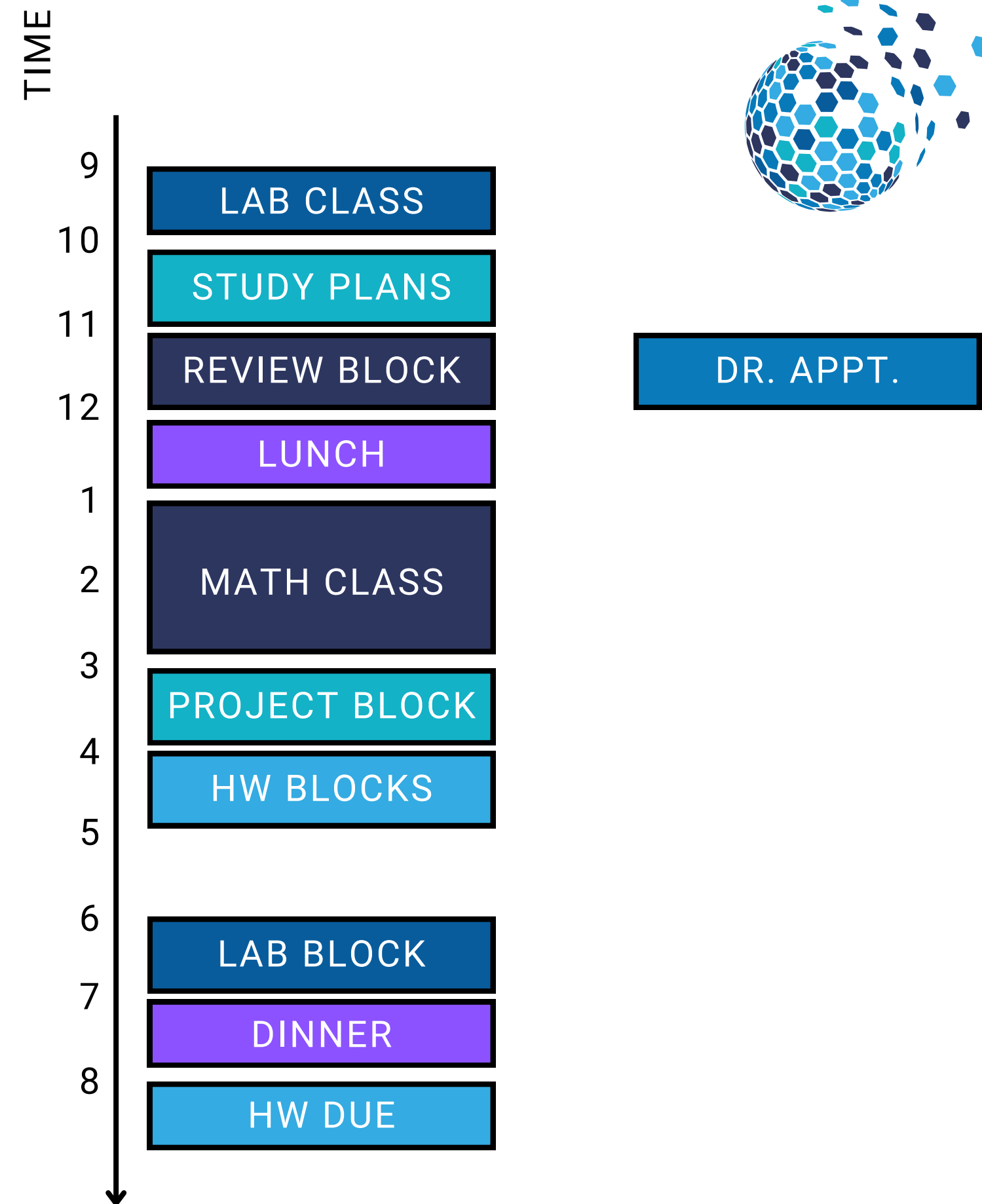
	S	M	T	W	T	F	S
	31	1	2	3	4	5	6
	7	8	9	10	11	12	13
		EXAM					

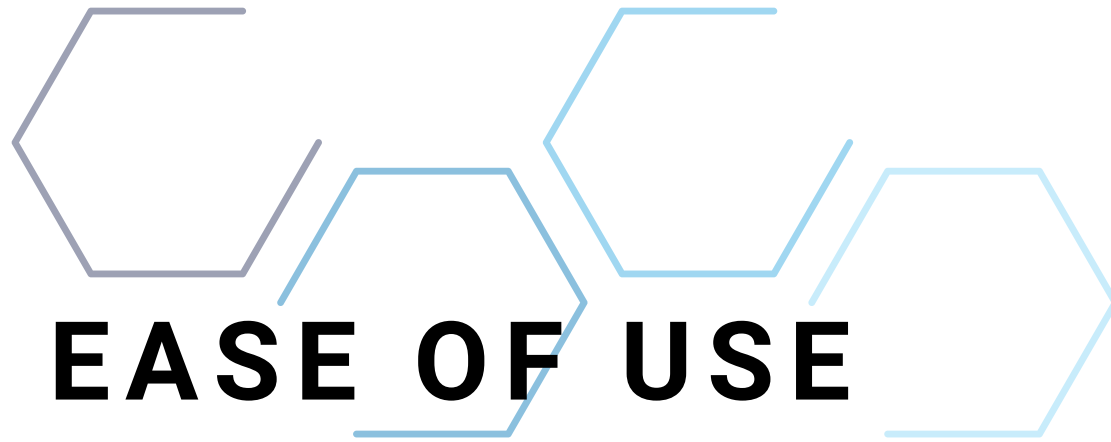


DYNAMIC SCHEDULING

DYNAMIC SCHEDULE

IF THE USER MANUALLY ADDS A NEW TASK OR APPOINTMENT, THE SCHEDULE AUTOMATICALLY ADJUSTS YOUR TIME BLOCKS FOR THE DAY TO ACCOMMODATE THE CHANGES.





EASE OF USE

- KEEPING AN ORGANIZATIONAL TOOL UP TO DATE OFTEN LEADS TO USERS ABANDONING A PLATFORM
- SMART ADD TOOL TURNS PLAIN ENGLISH INTO EVENTS AND TIME BLOCKS THEM ACCORDINGLY
- LET'S USERS MINIMIZE TIME SPENT UPDATING THEIR CALENDAR

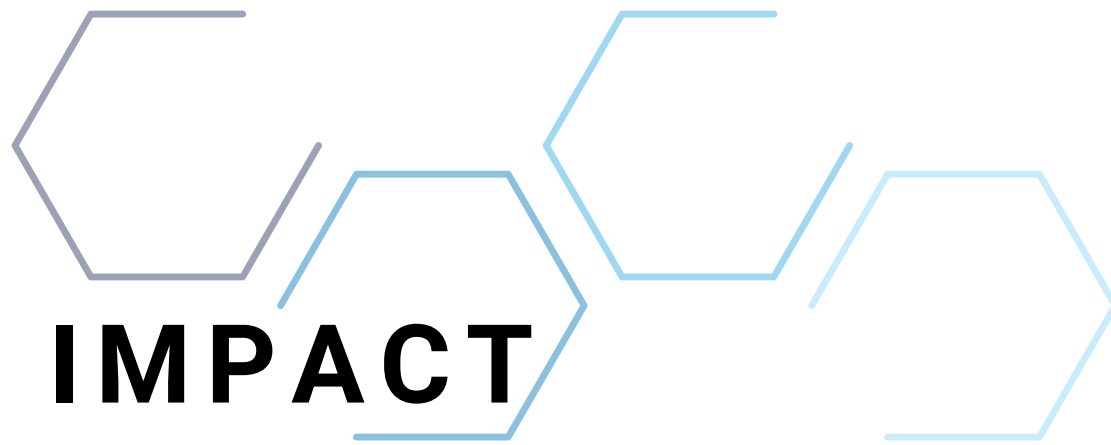


"CHEMISTRY POP QUIZ THURSDAY"

"DR APPT THE 17TH AT NOON"

"STATS CLASS MON/WED AT 11"

"CALCULUS HW 3 DUE IN TWO WEEKS"



- PROVIDING STRUCTURE AND SUPPORT, THE APP EMPOWERS STUDENTS WITH ADHD TO MANAGE THEIR WORKLOAD MORE EFFICIENTLY, LEADING TO REDUCED STRESS LEVELS AND IMPROVED ACADEMIC PERFORMANCE.