

MIT FIRST GRADE COLLEGE

Manandavadi Road, Mysuru - 570 008

Lesson Plan & Dairy for the Academic Year

2019 - 2020



Lesson Plan & Work Done Statement

Name

: VASANTHI

II Sem System Software &
Operating System

MIT FIRST GRADE COLLEGE

Manandavadi Road, Mysuru - 570 008

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2019 - 2020



Lesson Plan & Work Done Statement

Name :

VASANTHI
Department of Computer Science

LESSON PLAN

Class	Month	No. of hours per month	Lesson Details	Remark
			System Software & Operating Systems (A:T:P::4:0:2)	
			<u>UNIT 1:</u>	
			Machine Architecture, Assembler & Loaders.	
			Introduction, System Sw & machine architecture, SIC & its architecture,	
			Introduction formats of IBM-360, Assembler, Instruction, General Design procedure,	
			design of Assembler, Statement of Problem, data structure, Format of Databases,	
			Algorithms for Pass 1 & Pass 2.	
			Loader Schemes - Compile & Go loader Scheme,	
			General loader, Absolute loader Algorithm	

Signature of the Lecturer *V H*

Signature of the Principal *V H*

LESSON PLAN

Class	Month	No. of hours per month	Lesson Details	Remark
			<p>& Floor chart) Relocating leader, Direct linking leader, Dynamic leading.</p> <p><u>UNIT 2:</u> <u>Introduction & Process Management</u></p>	
	Jan 1 st		<p>Evolution of Operating System, Need, Early Systems, Simple Monitors, Batch Systems, Multiprogramming, Time sharing, Real time, Parallel & Distributed Systems, Computing Environments - Traditional, Client Server, Peer-to-Peer & Web Based.</p> <p>Process Management: Process Concept - meaning of Process, Sequential & Concurrent processes, Process state, Process Control Block, Thread, Process Scheduling - Scheduling queues, Schedulers, Context Switch</p>	

Signature of the Lecturer

Signature of the Principal

LESSON PLAN

Class	Month	No. of hours per month	Lesson Details	Remark
	Feb		<p><u>UNIT 3:</u> <u>Scheduling & Deadlock</u></p> <p>Process - CPU-I/O burst cycle, CPU Scheduler, Preemptive Scheduling, dispatcher Scheduling Criteria. Scheduling algorithms: FCFS, STF, Priority Scheduling Round Robin, Real time Scheduling & Pre-emption & Non-Preemption Deadlocks: Definition with example, System Model, Deadlock Characterization Necessary Conditions, Resource allocation graph, Deadlock Prevention, Avoidance & detection, Recovery from deadlock</p>	
	March		<p><u>UNIT 4:</u></p>	

Signature of the Lecturer

Signature of the Principal

DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lec turer	HOD
9/12/19	II Sem 'B'	O.S & S.S	Introduction to Subject (Syllabus)	<input checked="" type="checkbox"/>	
10/12/19	III Sem 'B'	DBMS Kal	Introduction of Database & table Creation	<input checked="" type="checkbox"/>	
11/12/19	III Sem 'A'	DBMS Kal	Introduction to database & table Creation	<input checked="" type="checkbox"/>	
11/12/19	II Sem 'B'	O.S & S.S.	System s/w, SIC M/c architecture, Register & Memory. PRATHIBHA	<input checked="" type="checkbox"/>	
12/12/19			→		
14/12/19	II Sem 'A'	O.S & S.S.	Introduction to System s/w	<input checked="" type="checkbox"/>	
16/12/19	II Sem 'B'	"	SIC M/c implementation format, addressing modes, instruction set.	<input checked="" type="checkbox"/>	
16/12/19	II Sem 'A'	"	SIC M/c instruction format, addressing modes, instruction set.	<input checked="" type="checkbox"/>	
16/12/19	IV Sem	DBMS Kal	Insert, Drop, Delete & select Commands	<input checked="" type="checkbox"/>	

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Signature of the Principal

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DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lec turer	HOD
21/12/19	II Sem 'A'	O.S & S.S.	Introduction to leaders, Basic func. & Confide & Gs leaders Making	#	
23/12/19	II Sem 'B'	O.S & S.S.	Absolute leader algorithm & Flow-chart Calculation of target address via SIC M/E	#	
23/12/19	II Sem 'A'	O.S & S.S.	Making of General leader scheme & Absolute leader.	#	
23/12/19	IV Sem 'B'	DBMS Kal	Eg queries for Primary key & Foreign key.	#	
24/12/19	IV Sem 'B'	DBMS Kal	Activity 1: Table Creation, insertion, Alter & update Command	#	
26/12/19	II Sem 'B'	O.S & S.S.	Repetition of Previous topics, Absolute leader Flowchart & algorithm.	#	
27/12/19	IV Sem 'A'	DBMS Kal	Introduction to various Conventions - Unique, Not Null, Default with egs.	#	
27/12/19	II Sem 'B'	O.S & S.S.	Direct linking leader & overlays Making with egs.	#	

Date : _____
Signature of the Principals _____

27/12/19

DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lec turer	HOD
28/12/19	II Sem 'A'	S.S & O.S.	Making of direct linking leaders & others with eg.		
29/12/19	III Sem 'B'	DBMS Lab	Activity (2): Arithmetic questions & select clauses.		
30/12/19	II Sem 'A'	O.S & S.S.	Making of Relocatable loaders & its types.		
31/12/19	III Sem 'B'	DBMS Lab	Making of Relocatable loaders & its types.		
1/01/20	IV Sem 'A'	DBMS Lab	Continuation with 2nd activity (select, Arithmetic questions)		
2/01/20	II Sem 'A'	O.S & S.S.	Revision of creation of tables & inserts.		
2/01/20	II Sem 'B'	O.S & S.S.	Introduction to Operating & System Components.		
2/01/20	II Sem 'B'	O.S & S.S.	Introduction to Operating & System Components.		

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Signature of the Principal

DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lec turer	HOD
3/1/20	II Sem 'B'	O.S & S.S.	Facilities provided by O.S & Need of O.S.	[Signature]	
3/1/20	IV Sem 'A'	DBMS Lab	Activity 1: Create, insert, update & Alter Commands.	[Signature]	
4/1/20	II Sem 'A'	O.S & S.S.	Facilities provided by O.S & Need of O.S.	[Signature]	
6/1/20	II Sem 'B'	O.S & S.S.	Introduction to types of O.S, Batch Processing O.S.	[Signature]	
6/1/20	II Sem 'A'	O.S & S.S.	Introduction to types of O.S, Batch Processing O.S.	[Signature]	
"	IV Sem 'B'	DBMS Lab	Activity 3: Logical & Relational operators	[Signature]	
7/1/20	IV Sem 'B'	DBMS Lab	Activity 4: Date functions	[Signature]	
8/1/20	IV Sem 'A'	DBMS Lab	Activity 2: Arithmetic operators & Select clause	[Signature]	

Date : _____

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DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lecturer	HOD
8/1/80	II sem 'B'	O.S & S.S	Time sharing & Real time operating system	✓	
9/1/80	II sem 'B'	O.S & S.S	Introduction to types of Real time operating systems	✓	
9/1/80	II sem 'A'	O.S & S.S	Introduction to time sharing & Real time operating system	✓	
10/1/80	IV sem 'A'	DBMS	Activity 3: logical & Relational operators	✓	
10/1/80	II sem 'B'	O.S & S.S	Parallel & distributed operating system	✓	
11/1/80	II sem 'B'	O.S & S.S	Computing Environment - Traditional & Client - Server Computing	✓	
11/1/80	II sem 'A'	O.S & S.S	Types of Real time O.S & Parallel O.S.	✓	
13/1/80	II sem 'B'	O.S & S.S	Peer-to-Peer Systems & Web-based Computing	✓	

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Signature of the Principal

DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lec turer	HOD
13/1/20	II Sem 'A'	O.S & S.S.	distributed Operating Systems, Computing Environment - traditional & client Server Computing		
13/1/20	IV Sem 'B'	DBMS Lab	Activity 5: Numeric, character Function		
14/1/20	IV Sem 'B'	DBMS Lab	Activity 6: Set operators		
14/1/20	II Sem 'A'	O.S & S.S.	Peer-to-Peer systems & web-based Computing		
16/1/20	II Sem 'B'	O.S & S.S.	Process Management: Concept of Process, diff'n bet'n Process & Program, Process states, Communication with Previous topic, Concept of Process diff'n bet'n Process & Program.		
17/1/20	IV Sem 'A'	DBMS Lab	Activity 4 & 5: Date functions & Numeric, character functions		
17/1/20	II Sem 'B'	O.S & S.S.	Process Control Block & Introduction to CPU scheduling		

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DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lec turer	HOD
18/1/20	II Sem 'A'	S.S & O.S.	Process Continuation with Process ^{Introducing to Process} state diagram.	✓	
20/1/20	II Sem 'B'	S.S & O.S.	Continuation with Process CPU scheduling, CPU-I/O Burst Cycle, Process Control Block, Introduction to CPU scheduling	✓	
20/1/20	II Sem 'A'	S.S & O.S.	Revision of Process activities	✓	
20/1/20	IV Sem 'B'	DBMS rel	Revision of Process activities	✓	
21/1/20	IV Sem 'B'	DBMS rel	Activity 8: (Graph by, having class)	✓	
22/1/20	IV Sem 'A'	DBMS rel	Activity 6: Set operators (Intersect, union & Minus)	✓	
22/1/20	II Sem 'B'	O.S & S.S.	Scheduling queues & Scheduler	✓	

Date: _____

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DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lec turer	HOD
22/1/20	II Sem 'A'	O.S & S.S.	CPU-I/O BURST exec, Scheduling queues.	✓	
23/1/20	II Sem 'B'	O.S & S.S.	Introduction to threads & examples ↳ schedulers, context switch	✓	
23/1/20	II Sem 'A'	O.S & S.S.	Confirmation with schedulers, types of Schedulers, context switch	✓	
24/1/20	IV Sem 'A'	DBMS Lab	Activity 8: Group Buy & Pricing clause.	✓	
24/1/20	II Sem 'B'	O.S & S.S.	Benefits of threads & Types of threads - user & kernel thread	✓	
25/1/20	II Sem 'A'	O.S & S.S.	Introduction to threads & examples	✓	

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DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lecturer	HOD
27/1/20	II Sem 'B'	O.S & S.S.	Serial / Sequential Processing, Concurrent Processing	<i>[Signature]</i>	
27/1/20	II Sem 'A'	O.S & S.S.	Introduction to threads & examples	<i>[Signature]</i>	
27/1/20	IV Sem 'B'	DBMS Lab	Revision of 1st 3 sems Activity summary	<i>[Signature]</i>	
28/1/20	IV Sem 'B'	DBMS Lab	Activity 9: Nested query	<i>[Signature]</i>	
29/1/20	IV Sem 'A'	DBMS Lab	Activity 9: Nested query	<i>[Signature]</i>	
29/1/20	II Sem 'A' & 'B'	O.S & S.S.	Scheduling algorithms brief introduction FCFS eg	<i>[Signature]</i>	

Date : _____

Signature of the Principal

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L. J. I.

DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lec turer	HOD
30/1/20	II Sem 'B'	O.S & S.S.	SIF algorithm example & explanation (NON-PREEMPTION)	<i>[Signature]</i>	
30/1/20	II Sem 'A'	O.S & S.S.	SIF algorithm explanation with eg. (NON-PREEMPTION)	<i>[Signature]</i>	
31/1/20			SPORTS DAY	<i>[Signature]</i>	
3/4/5			IN INTERNAS	<i>[Signature]</i>	
6/2/20	II Sem 'B'	O.S & S.S.	SIF - PREEMPTIVE algorithm with examples	<i>[Signature]</i>	
6/2/20	II Sem 'A'	O.S & S.S.	SIF - PREEMPTIVE algorithm with examples.	<i>[Signature]</i>	
7/2/20	IV Sem 'A'	DBMS sol	Revision	<i>[Signature]</i>	

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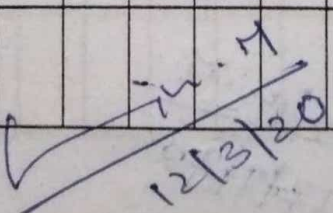
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DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lec turer	HOD
7/2/20	II Sem 'B'	O.S & S.S.	PRIORITY algorithm (Preemption & Non-Preemption) with example.	✓	
8/2/20	II Sem 'A'	O.S & S.S.	Priority algorithm (Preemption & Non-Preemption) with examples.	✓	
10/2/20			WORKSHOP - (ISSUE ON NAME)		
11/2/20	IV Sem 'B'	DBMS Lab	Revision	✓	
12/2/20	IV Sem 'A'	DBMS Lab	Activity 10 - TONS	✓	
12/2/20	II Sem 'B'	O.S & S.S.	Round - Round algorithm with example	✓	
12/2/20	II Sem 'A'	O.S & S.S.	Round - Round algorithm with example	✓	
13/2/20	II Sem 'B'	O.S & S.S.	Introduction to deadlock, example & characterization of deadlock	✓	
13/2/20	II Sem 'A'	O.S & S.S.	Introduction to deadlock, example & characterization of deadlock	✓	

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 12/2/20

DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lec turer	HOD
14/2/20	IV BCA 'A'	DBMS Kul	Revision	✓	
14/2/20	II BCA 'B'	O.S & S.S.	Resource allocation Graph - examples (cycle & no cycle)	✓	
15/2/20	II BCA 'A'	O.S & S.S.	Resource allocation Graph - examples (cycle & no cycle)	✓	
15/2/20	II BCA 'A & B'	O.S & S.S.	Presentation on algorithms (PPT, Animated Videos).	✓	
17/2/20	II BCA 'B'	O.S & S.S.	Methods for handling - deadlock, Prevention method	✓	
17/2/20	II BCA 'A'	O.S & S.S.	Methods for handling deadlock - Prevention method	✓	
17/2/20	IV BCA 'B'	DBMS Kul	Activity - 10 (Toms)	✓	
18/2/20	IV BCA 'B'	DBMS Kul	Revision	✓	
18/2/20	II Sem 'A & B'	O.S & S.S.	Continuation with deadlock Prevention	✓	

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Date: 20/2/21

DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lec turer	HOD
19/2/20	IV BCA 'A'	DBMS Lab	Revision	✓	
15/2/20	II BCA 'B'	O.S & S.S.	Deadlock Avoidance: Safe state & an example	✓	
13/2/20	II BCA 'A'	O.S & S.S.	Deadlock Avoidance: Safe state & an example	✓	
20/2/20	II BCA 'B'	O.S & S.S.	Resource allocation Graph algorithm & Banker's algorithm	✓	
20/2/20	II BCA 'A'	O.S & S.S.	Resource allocation Graph algorithm & Banker's algorithm	✓	
21/2/20 22			← HOLIDAY →	✓	
24/2/20	II BCA 'B'	O.S & S.S.	← CASUAL LEAVE → Safety algorithm & Resource Request algorithm	✓	
24/2/20	II BCA 'A'	O.S & S.S.	Safety algorithm & Resource Request algorithm	✓	

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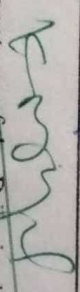
Signature of the Principal

DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lec turer	HOD
25/2/20	II Sem 'B'	O.S & S.S	Readlock detection algorithm - Single instance of each Resource type		
25/2/20	IV 'B'	DBMS Kal	Revision		
25/2/20	II Sem 'A'	O.S & S.S.	Readlock detection algorithm - Single instance of each resource type		
26/2/20	II Sem 'A'	DBMS Kal	Revision		
26/2/20	II Sem 'B'	O.S & S.S.	Multiple instances of a Resource type with an example.		
26/2/20	II Sem 'A'	O.S & S.S.	Multiple instances of a Resource type with an example.		
27/2/20	II Sem 'B'	O.S & S.S.	Readlock Recovery - Part B Abort Process, Preempting Resources		
27/2/20	II Sem 'A'	O.S & S.S.	Readlock Recovery, Preempting Resources Abort Process, Preempting Resources		

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 27/2/20

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Signature of the Principal


DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lec turer	HOD
28/2/20	IV Sem 'A'	DBMS Rel.	Activity - 7 (Views)	✓	
28/2/20	IV Sem 'B'	O.S. & S.S.	Reverse Preemption - Selecting a Victim, Roll Back, Starvation	✓	
29/2/20	IV Sem 'A'	O.S. & S.S.			
2/3/20	IV Sem 'B'	O.S. & S.S.	Introduction to memory management & its functions	✓	
2/3/20	IV Sem 'A'	O.S. & S.S.	Reverse Preemption - Selecting a Victim Roll Back, Starvation Rel. semantics	✓	
2/3/20	IV Sem 'B'	DBMS Rel.		✓	
3/3/20	IV Sem 'A'	O.S. & S.S.	Introduction to memory management & its functions	✓	
3/3/20	IV Sem 'B'	O.S. & S.S.	Reverse Address Binding, Dynamic Address Binding, Relocation, Introduction to Single Partitioning - Contiguous allocation	✓	

Date : _____

Signature of the Principal

2/3/20

DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lec turer	HOD
3/3/20	IV Sem 'B'	DBMS Ref	Activity - 7 (Views)	<i>[Signature]</i>	
4/3/20	II Sem 'B'	O.S & S.S.	Multiple Partitioning - Static Partition & Dynamic Partition	<i>[Signature]</i>	
4/3/20	II Sem 'A'	O.S & S.S.	Address Binding, Dynamic Relating & Linking Overlays, structured single contiguous memory allocation	<i>[Signature]</i>	
4/3/20	IV Sem 'A'	DBMS Ref	Revisions	<i>[Signature]</i>	
6/3/20	II Sem 'B'	O.S & S.S.	Fragmentation - Internal & External, Compaction, Paging technique	<i>[Signature]</i>	
6/3/20	II Sem 'A'	O.S & S.S.	Fragmentation - Internal & External, Compaction, Paging technique	<i>[Signature]</i>	
6/3/20	IV Sem 'A'	DBMS Ref	Revisions	<i>[Signature]</i>	

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Signature of the Principal

DAILY WORKDONE STATEMENT

Day Date	Class	Subject	Topics Covered	Signature	
				Lec turer	HOD
07/3/20	II Sem 'A'	0.5 & S.S.	Segmentation Technique with advantages & disadvantages, Demand Paging & Paging techniques, Segmentation & Virtual memory & Demand Paging	A	
3/3/20	II Sem 'B'	0.5 & S.S.		A	
3/3/20	II Sem 'A'	0.5 & S.S.	Page Replacement algorithm, FIFO, LRU & Optimal.	A	
10/3/20	II Sem 'B'	0.5 & S.S.	Page Replacement algorithm, FIFO & LRU	A	
10/3/20	II Sem 'A'	0.5 & S.S.	Continuation with Page Replacement algorithm	A	
11/3/20	IV Sem 'A'	DBMS adv	Revision	A	
11/3/20	II Sem 'B'	0.5 & S.S.	Introduction Assembly Pass - 1	A	

Date : _____

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