

### CHH. SHAHU COLLEGE OF ENGINEERING

1	Kanchanwadi, Paithan Road, Aurangabad. Date :
	Practical No :- 05.
	Aim: To draw the behavioral view diagram:
	Aio: To chaw the behavioral view diagram: Sequence diagram, Collaboration diagram.
	Theard.
- <b>X</b> e	Seguence diana
-	Bequence diagram:
e1	System. Sequence diagram shows the intera-
	ctions between the objects by means of
	passing messages from one object to another
i,i	with respect to time in a System.
7	
	elements in Sequence diagram:
K -	System to their life-line bar to the messages
	System a their life bar to the messages
	passing between them.
- I	Object :-
	Object appear at the top postion of sequence
	diagram, object is shown in a rectargle box, rame
i utr	of object precedes a colon ": " to the class name,
7.	Forom which the object is instantiated the whole
	string is underlined to appears in a rectangle
	box. Also we may use only class name as only
	instance name.



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	Jife-line bas:
y Sirin Flate	A down - ward vertical line from object - box is
A	Shown as the life-line of the abject. A redangle
	box on life-line indicates that it is active at
- 11	that point of time.
	Messages !-
	messages are shown as an arrow-from the
	life-line of sender object to the life-line of
	seceiver object (6 Jabeled with the message name. Chra-
	nological arder of the messages bassing throughout the
	objects' life-line show the sequence in which they
	occur, these may exist some different types of messa-
	ges :
12 T	
	Synchronous messages: Receiver start processing the mess-
	age after seceiving it to sender needs to wait until it is ma-
	de. A straight arrow with close to fill arrow-head from
	sender life-line was to seceives end, represent a
الفيسة	Synchronous message.
455	
	Asynchronous message: Por synchronous message sender
	needs not to wait for the receiver to process the mess-
artisti i	age. A function coul that creates thread can be
	represented as are distributionals mossage in
	sequence diagram.



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_	Return message: - for a function call when we need to
	setum a value to the object, from which it was caused
	then we use return message.
_	Response message : one object can send a message
	to self, we use this message when we need to
	Show the interaction between the same object.
	STOWN THE TOTAL STORY
	message type notation.
1	esezzade falo
L	Supplementation of the
	Sturpsough mossage
	Asynchronous message
	Response message
*	Collaboration discovers in
-	Collaboration diagram :-
	The collaboration aliquid is a sed so since the
374	tionship between the objects in a system, Both the
ing.	sequence to the collaboration diagrams represent
	the same information but differently. Instead of
	showing the flow of massages, it depicts the archi-
	tecture of the object residing in the system as it
	is based on object - oriented programming. An
(5) *	object present in the system are connected , which
Table 1	to each other.
S. P. H. L.	The state of the s



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X	Components:
le	objects: The object is represented by specifying their name & class. It is not mandatory for every class to
	appear. A class may constitute more than one object.
5)	Actor: In the collaboration diagram, the actor plays the main role as it invokes the interaction. each actor has its perpective role (s name.
3)	links: The link is an instance of association, which associates the object to actors. It postsoys a relation ship between the objects through which the message are sent. represented by solid line.
4	Messages: It is a communication between objects which carries information to indudes a sequence number, so that the activity may take place.  - It is represented by a labeled per arrar.
	which is placed near a link.
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