Expt. No	6	
EXPL. NO		

Page No. \_

IMPLEMEN	TATION OF INTER PROCESS COMMUNICATION
AIM	
Program to	implement inter process communication using shared memory
PROGRAM	
IPC1.C	
#include esta	lio.h>
#include Lsta	lib.h>
#include 2 sy	slipe.h>
# include <s< td=""><td>ys (types·h&gt;</td></s<>	ys (types·h>
#include 2st	ing·h >
tinclude Luni	std.h>
nt mair ()	
<u> </u>	
inti, shr	,
void * sho	
char data	
	inget (key_t) 5324, 1024, 0666   IPC_CREAT);
printf ("K	y of shared memory is "led \n", should);
	= shmal (shmid, NULL, O);
printb("	Process attatched at % f \n", shid Mory);
	into the data to write to shared Memory (n");
	data, 100);
strepy (	shid Mmry, data);
3	
	Teacher's Signature

	Date
Expt.	No Page No
	IPC 2.C
	#include Zstdio·h>
-	#include <stdlib.h></stdlib.h>
	#include < sys/shm.h>
-1	#include < sys/ipc.h >
	#include < sys/types·h>
- 4	#include <string.h></string.h>
	#include <unistd.h></unistd.h>
	int main ()
5	
¥,	inti, shmid;
	void * shrdMmzy;
	char data [100];  printly (" key of Shared Memory is %d \n", shmid);
	shid Mmry = shmat (shmid, NULL, 0);
	printf (" Process attatched at "lad \n", shrdHmry);
	printf (" Data read from shared memory is %s", (char*) shrdMmry);
3	{
-	
+	
	Teacher's Signature

## OUTPUT

## IPC 1.C

Key of shared memory is 63.
Process attatched at 0x7fdf7594d0000Enter the data to write to shared Memory Operating-Systems.

## IPC a.C

Key of Shared Memory is 63.
Process attatched at 0x7f7d5e7e5000
Data read from shared memory is Operating\_Systems.