Name: Natasha Saldanha.

USN: 4AL19CS057.

C-Section.

Algorithm:-

1) Start
2) Enter string ,i, sum=0
3) for(i=0; str[i]!= '\0'; i++)
$\{$ if ((str[i]>='0') && (str[i]<='9'))
$\{$

sum += (str[i] - '0');
$\}$
$\}$

4) Output sum of all digits
5) Stop.

Flowchart:

```
        ( START )
            |
            v
   / Input i, sum= 0 /
            |
            v
  < For(i=0 ;str[i]!= '\0';i++) >
            |
            v
           / if \
          / [(str[i]>='0') \
          \  && (str[i]<=9) /
           \      /
            |
            v
   | sum + =(str[i]-'0') |
            |
            v
  / Output sum of All digits /
            |
            v
        ( STOP )
```