B. Sai Hithesh 11BM17CS021

Dig Kiskas Algorithm

N:0011811 602-5

(4 11 20 2) 20 23. (27) # include (iostream) . Using name space std; Ent a[30] [30], source, a[30], P[30]. void alg [int a[] [30], int n] € fn + S[n] for (9n+ 1=0; iLn ; i++) d[i] = a[source] [i]; P[i] = Source; S[1] = 0; S[source] = 1

S[source] = 1

for (ent c=0; c<n; c+t)

? Port men = 9999, v;

for (ent j=0; j \(\) n; j+t)

\[
\frac{2}{3} \text{ for (a[i] < men 44 } \(\) S[i] = 1)

\]

min = d[i]; | v = i; | v = i = i = i

```
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                                           B. Sai Hithesh
   : [v] = [:
                                             18M17CS081
                               mallion'n
        for (Pn+ l=0; (<n; (++)
           14 (w, u+a [n] [i] <q(i))
              5
                d(i) = min + a(v)(i);
          P(1) = U;
            To 3m, Con the total plants.
          3
        3
   3
            2(11) AST : 3 7 1 17 181
          main () {
           901 : 103 | 00000 1 1911
            Court << " Enter de no of Vertices " « cend1;
             Count << "Enter the graph" << endl,
              for (int l=0; iln; i++)
              ( 1 · 2) ? n = >
               ردُم >> هرن [ن];
          (1.3 as i to at 1 and 6
           · coult LL "Enter the source vertex" «cendi;
            Cin >> source;
              COURT CL " The shortest Paths from vetex "
                        · 1 LL SOURCE LC 1 and 1 " CE CLEND 1;
```