```cpp
void dfs(int current_node)
{
    std::vector<int>::iterator itr; // random access iterator
    cout << current_node << " ";
    visited[current_node] = 1;
    for(itr = v[current_node].begin(); itr!=v[current_node].end(); itr++)
    {
        if(!visited[*itr])
        {
            dfs(*itr);
        }
    }
}
```