**Micro Project Proposal**

**Subject :-** Object Oriented Programming Using C++ (Code:22316)

**Title of Micro- project** :- Constructor and its types

1. **Brief introduction:-**
2. What is constructor:
3. Constructor is used for initializing the values to the data member of the class.
4. Constructor is that whose name is same as name of class.
5. Constructor gate automatically called when an object of class is created .
6. Constructor never have a return type even void.
7. Constructor are of default , parameterized and copy constructor.
8. Concepts of Constructor
9. Various types of constructor
10. Default constructor
11. Parameterized constructor
12. Copy constructor
13. Aim of Micro project :-
14. Study of constructor and its types
15. To create Various Object By using constructor and perform it.
16. Intended Course Outcomes:-
17. Understand constructor and its types
18. Develops The various C++ program using constructor
19. Literature Review:-
20. Computer
21. TurboC/c++

5.0) Proposed Methodology:-

1. Constructor cannot be static or virtual
2. Constructor is a special type of member function that initializes an object automatically when it is created
3. Default constructor is that constructor does not have any parameter list i.e. it can not accept any parameter

6.0) Resources required (major resource like row materials , tools , software, etc.)

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| Sr.no | Name of resource /material | Specification |
| 1 | Hardwar: computer system | Computer(i3-i5 poerterable), ram minimum 26 & onwords |
| 2 | Operating system | Windows7/LINUX version 5.0 or lates |
| 3 | Software | TerboC/C++ |

1. Action plan (sequence and time required for major activities for 8 weeks)

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| --- | --- | --- | --- | --- |
| Sr. No. | Details of activity | Planned Start date | Planned finish date | Name of Responsible Team Members |
| 1 | Discussion with team member and guide about proposed title |  |  | * Bansod Naina puranlal * Asati Bhushan Gyanchand * Thakur Roshni Tilkesh * Gandhe Kushal Moreshwar * Fashate Tejas Gajanan |
| 2 | Collection information and understanding various concepts on the constructor |  |  | * Bansod Naina puranlal * Asati Bhushan Gyanchand * Thakur Roshni Tilkesh * Gandhe Kushal Moreshwar * Fashate Tejas Gajanan |
| 3 | Collecting required information from the source |  |  | * Bansod Naina puranlal * Asati Bhushan Gyanchand * Thakur Roshni Tilkesh * Gandhe Kushal Moreshwar * Fashate Tejas Gajanan |
| 4 | Implementation of data |  |  | * Bansod Naina puranlal * Asati Bhushan Gyanchand * Thakur Roshni Tilkesh * Gandhe Kushal Moreshwar * Fashate Tejas Gajanan |
| 5 | Performing various programs using the constructor |  |  | * Bansod Naina puranlal * Asati Bhushan Gyanchand * Thakur Roshni Tilkesh * Gandhe Kushal Moreshwar * Fashate Tejas Gajanan |
| 6 | Acquiring knowledge about various types and syntax constructor |  |  | * Bansod Naina puranlal * Asati Bhushan Gyanchand * Thakur Roshni Tilkesh * Gandhe Kushal Moreshwar * Fashate Tejas Gajanan |
| 7 | Presentation/demo of working project of guide |  |  | * Bansod Naina puranlal * Asati Bhushan Gyanchand * Thakur Roshni Tilkesh * Gandhe Kushal Moreshwar * Fashate Tejas Gajanan |
| 8 | Preparing final report of project and submitting to guide |  |  | * Bansod Naina puranlal * Asati Bhushan Gyanchand * Thakur Roshni Tilkesh * Gandhe Kushal Moreshwar * Fashate Tejas Gajanan |