DESCRIPTION

Divide the subject into different class such as theoretical, logical, programming and technical subjects . For each student find the total marks he/she scored for theoretical subjects, logical subjects, programming, technical subjects separately .

**DATA**

|  |  |  |  |
| --- | --- | --- | --- |
| theoritical | logical | programming | technical |
| physics | Maths | Computer programming lab | Graphics |
| chemistry | Mechanics | Object oriented programming lab | Civil and mechanical |
| Technical communication and social science | Discrete computational structers | Object oriented programming | Electrical engineering and electronics |
| System programming | Operational research | Microprocessor | Computer programming |
|  | autometa | Data structure lab | Electrical and mechanical workshop |
|  |  | Pc hardware and microprocessor lab | Electrical technology |
|  |  | Mini project | Electronic circuit and logic design |
|  |  | System programming | Computer organisation |
|  |  |  | Logic design lab |
|  |  |  | Data structure |
|  |  |  | Datacommunication |
|  |  |  | Software engineering |
|  |  |  | Computer graphics and animation |
|  |  |  | dbms |
|  |  |  | Knowledge engineering |

Final table:-

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| STUDENT NAME | THEORITICAL  SUBJECTS | TECHNICAL  SUBJECTS | LOGICAL  SUBJECTS | PROGRAMMING  SUBJECTS |
| S1 | 345 | 222 | 214 | 500 |
| S2 |  |  |  |  |

Fig: Total marks scored by students

Then using K-Map and above table, map students in to different clusters such as technical, programming, logical and theoritical.Like……………….

**Fig: CLUSTERS**