# सावित्रीबाई फुले पुणे विद्यापीठ

दूरध्वनी क्रमांक :
०२०— २५६९१२३३
२५६०१२५७
२५६०१२५८
२५६०१२५९

शैक्षणिक विभाग
गणेशखिंड, पुणे—४११ ००७
टेलिग्राफ : 'युनिपुणे'
फॅक्स : ०२०—२५६९१२३३
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संदर्भ क्र. : सीसीओ/२८०४

दिनांक : 22/०९/२०१४.

प्रति,
मा. अध्यक्ष/प्राचार्य,
सर्व अभियांत्रिकी, व्यवस्थापन व औषधनिर्माणशास्त्र महाविद्यालये,
पुणे, अहमदनगर व नाशिक जिल्हा

**विषय:— कायम विनाअनुदानित महाविद्यालयाच्या शिक्षकीय पदांचा कार्यभार निश्चित करण्याबाबत....**

प्राप्त आदेशानुसार आपणांस कळविण्यात येते की, कायम विनाअनुदानित महाविद्यालयांचे शिक्षकीय पदांचे कार्यभार निश्चित करणेबाबत खालीलप्रमाणे जिल्हानिहाय शिबीर आयोजित केलेले आहे

| अ. क्र | विद्याशाखा | जिल्हा | दिनांक, स्थळ व वेळ | समन्वयकाचे नाव व मोबाईल नं. |
|---|---|---|---|---|
| १. | इंजिनिअरींग | अहमदनगर | दि. २३.०९.२०१४<br>अहमदनगर उपकेंद्र<br>वेळ सकाळी ११.०० वाजता | १. प्रा.डॉ. खराटे ग.का<br>मो. नं.९६०४७८८२८०<br>२. नाशिक उपकेंद्र, तिसरा मजला, नाशिक<br>(Contact Mr. Sonar<br>Mo. No. 9823151395) |
| | | नशिक | दि. २४.०९.२०१४<br>नाशिक उपकेंद्र<br>वेळ सकाळी ११.०० वाजता | |
| | | पुणे | दि. २६.०९.२०१४<br>बी.सी.यु.डी कार्यालय सा.फु. पुणे विद्यापीठ<br>वेळ सकाळी ११.०० वाजता | |

कार्यभार निश्चित करणेबाबत सोबत विद्याशाखानिहाय विविध प्रपत्र जोडलेले असून तो अचूकपणे भरावा त्यामध्ये कोणताही बदल करु नये. आपल्या महाविद्यालय शाखेनुसार उपरोक्त दिवशी उपस्थित रहावे.

कळावे.

आपला,

उपकुलसचिव 22/९/१४
(शिक्षक मान्यता कक्ष)

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| College Name: | College Code: |
|---|---|

# Load Calculator of UG Program

## 1) Load Calculation of UG Program in First Shift

| | No of Division | Chem | | Phy | | Maths | | E&TC | | | Electrical | | | Computer | | | Civil | | | Information Technology | | | Mechanical | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sem I | Sem II | Sem I | Sem II | Sem I | Sem II | No of Division | Sem I | Sem II | No of Division | Sem I | Sem II | No of Division | Sem I | Sem II | No of Division | Sem I | Sem II | No of Division | Sem I | Sem II | No of Division | Sem I | Sem II |
| F.E. | 8 | 40 | 40 | 40 | 40 | 56 | 56 | | 36 | 36 | | 36 | 36 | | 56 | 56 | | 72 | 72 | | 0 | 0 | | 72 | 72 |
| S.E. | | | | | | 7 | 7 | 2 | 100 | 86 | 1 | 40 | 50 | 1 | 54 | 49 | 0 | 0 | 0 | 1 | 50 | 45 | 2 | 94 | 108 |
| T.E. | | | | | | | | 2 | 104 | 108 | 1 | 50 | 50 | 1 | 48 | 48 | 0 | 0 | 0 | 1 | 48 | 48 | 2 | 108 | 108 |
| B.E. | | | | | | | | 2 | 122 | 150 | 1 | 122 | 72 | 1 | 52 | 72 | 0 | 0 | 0 | 1 | 55 | 72 | 2 | 124 | 140 |
| Project | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | 40 | 40 | 40 | 40 | 63 | 63 | | 362 | 380 | | 248 | 208 | | 210 | 225 | | 72 | 72 | | 153 | 165 | | 398 | 428 |

N1=no of Division FE | N2=no of Div in SE | N3=no of Div in TE | N4=no of Div in BE | computation of formula

| | No of Division | Chem | | Phy | | Maths | | Instrumentation | | | Printing | | | Polymer | | | Petrolum | | | Petrochemical | | | Industrial | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sem I | Sem II | Sem I | Sem II | Sem I | Sem II | No of Division | Sem I | Sem II | No of Division | Sem I | Sem II | No of Division | Sem I | Sem II | No of Division | Sem I | Sem II | No of Division | Sem I | Sem II | No of Division | Sem I | Sem II |
| F.E. | | | | | | | | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 |
| S.E. | | | | | | | | 0 | 0 | 0 | 1 | 39 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T.E. | | | | | | | | 0 | 0 | 0 | 1 | 48 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B.E. | | | | | | | | 0 | 0 | 0 | 1 | 61 | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Project | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | 0 | 0 | | 148 | 174 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 |

| | No of Division | Chem | | Phy | | Maths | | Production | | | Chemical | | | Biotechnology | | | Automobile | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sem I | Sem II | Sem I | Sem II | Sem I | Sem II | No of Division | Sem I | Sem II | No of Division | Sem I | Sem II | No of Division | Sem I | Sem II | No of Division | Sem I | Sem II | No of Division | Sem I | Sem II | No of Division | Sem I | Sem II |
| F.E. | | | | | | | | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | | | | |
| S.E. | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| T.E. | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| B.E. | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Project | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | | | | |

## 1. Work Load at First Year:(LF)

### a) LF1: Faculty Required Semister I:

| | | |
|---|---|---|
| **Physics:** | N1*3.7*0.1 | 2.96 |
| **Chemistry:** | N1*3.7*0.1 | 2.96 |
| **Maths:** | N1*3.7*0.14 | 4.144 |
| **Electrical:** | N1*3.7*0.09 | 2.664 |
| **Electronics:** | N1*3.7*0.0.09 | 2.664 |
| **Mechanical:** | N1*3.7*0.18 | 5.328 |
| **Computer:** | N1*3.7*0.14 | 4.144 |
| **Civil:** | N1*3.7*0.18 | 5.328 |

### LF1: Load Calculation of First Year Semister 1:

| | | | |
|---|---|---|---|
| **Physics:** | N1*10/2 | 40 | |
| **Chemistry:** | N1*10/2 | 40 | |
| **Maths:** | N1*7 | 56 | |
| **Electrical:** | N1*9/2 | 36 | |
| **Electronics:** | N1*9/2 | 36 | |
| **Mechanical:** | N1*9 | 72 | |
| **Computer:** | N1*7 | 56 | FPL I |
| **Civil:** | N1*9 | 72 | |

### a) LF2: Faculty Required Semister II:

| | | |
|---|---|---|
| **Physics:** | N1*3.7*0.1 | 2.96 |
| **Chemistry:** | N1*3.7*0.1 | 2.96 |
| **Maths:** | N1*3.7*0.1 | 4.144 |
| **Electrical:** | N1*3.7*0.09 | 2.664 |
| **Electronics:** | N1*3.7*0.0.09 | 2.664 |
| **Mechanical:** | N1*3.7*0.18 | 5.328 |
| **Computer:** | N1*3.7*0.14 | 4.144 |
| **Civil:** | N1*3.7*0.18 | 5.328 |

### LF2: Load Calculation of First Year Semister II:

| | | | |
|---|---|---|---|
| **Physics:** | N1*5 | 40 | |
| **Chemistry:** | N1*5 | 40 | |
| **Maths:** | N1*7 | 56 | |
| **Electrical:** | N1*9/2 | 36 | |
| **Electronics:** | N1*9/2 | 36 | |
| **Mechanical:** | N1*9 | 72 | |
| **Computer:** | N1*7 | 56 | FPL II |
| **Civil:** | N1*9 | 72 | |

## For each branch the work load is calculated as follows

## Work Load For Branch Computer:

### Work Load at Second Year For Branch Computer: (LS)

a) **LS 1: Toatal Load of Second Year Semester I:**
**LS1= Total load of SE= N2*54=** **54**

b) **LS 2: Toatal Load of Second Year Semester II:**
**LS2= Total load of SE=N2*48=** **49**

### Work Load at Third Year For Branch Computer: (LT)

a) **LT 1: Toatal Load as per structure=**
**LT1=N3*48=** **48**

b) **LT 2: Toatal Load as per structure=**
**LT2=N3*48=** **48**

### Work Load at Final Year For Branch Computer: (LB)

a) **LB 1: Toatal Load as per structure=**
**LB1=N4*(42+10)=** **52**

b) **LB 2: Toatal Load as per structure=**
**LB2=N4*(42+30)=** **72**

**L1(comp)= Load of Computer Engineering Dept: Sem I = LF1(FPL I)+LS1+LT1+LB1 =** **210**

**L2(comp)= Load of Computer Engineering Dept: Sem I = LF2(FPL II)+LS2+LT2+LB2 =** **225**

**Load of Computer Engg Department = Max{ L1 , L2}**

**Load of Computer Engg Department =** **225**

## Work Load For Branch E & TC:

### Work Load at Second Year For Branch E&TC: (LS)

a) LS 1: Toatal Load of Second Year Semester I:
LS1= Total load of SE= N2*50= 100
b) LS 2: Toatal Load of Second Year Semester II:
LS2= Total load of SE=N2*43= 86

### Work Load at Third Year For Branch E&TC: (LT)

a) LT 1: Toatal Load as per structure=
LT1=N3*52= 104
b) LT 2: Toatal Load as per structure=
LT2=N3*54= 108

### Work Load at Final Year For Branch E&TC: (LB)

a) LB 1: Toatal Load as per structure=
LB1=N4*(51+10)= 122
b) LB 2: Toatal Load as per structure=
LB2=N4*(45+30)= 150

L1(E&TC )= Load of E&TC Engineering Dept: Sem I = LF1(Electronics)+LS1+LT1+LB1 = 362

L2(E&TC )= Load of E&TC Engineering Dept: Sem I I= LF2(Electronics)+LS2+LT2+LB2 = 380

Load of E&TC Engg Department = Max{ L1 , L2}

Load of E&TC Engg Department = 380

## Work Load For Branch Electrical:

### Work Load at Second Year For Branch Electrical: (LS)

a) LS 1: Toatal Load of Second Year Semester I:
LS1= Total load of SE= N2*40= 40
b) LS 2: Toatal Load of Second Year Semester II:
LS2= Total load of SE=N2*50= 50

### Work Load at Third Year For Branch Electrical: (LT)

a) LT 1: Toatal Load as per structure=
LT1=N3*50= 50
b) LT 2: Toatal Load as per structure=
LT2=N3*50= 50

### Work Load at Final Year For Branch Electrical: (LB)

a) LB 1: Toatal Load as per structure=
LB1=N4*(46+10)= 56
b) LB 2: Toatal Load as per structure=
LB2=N4*(42+30)= 72

L1(Electrical )= Load of Electrical Engg Dept: Sem I = LF1(Electrical)+LS1+LT1+LB1 = 182

L2(Electrical )= Load of Electrical Engg Dept: Sem II = LF2(Electrical)+LS2+LT2+LB2 = 208

Load of Electircal Engg Department = Max{ L1 , L2}

Load of Electrical Engg Department = 208

## Work Load For Branch IT:

### Work Load at Second Year For Branch ITl: (LS)

a) LS 1: Toatal Load of Second Year Semester I:
LS1= Total load of SE= N2*50= 50
b) LS 2: Toatal Load of Second Year Semester II:
LS2= Total load of SE=N2*45= 45

### Work Load at Third Year For Branch IT: (LT)

a) LT 1: Toatal Load as per structure=
LT1=N3*48= 48
b) LT 2: Toatal Load as per structure=
LT2=N3*48= 48

### Work Load at Final Year For Branch IT: (LB)

a) LB 1: Toatal Load as per structure=
LB1=N4*(45+10)= 55
b) LB 2: Toatal Load as per structure=
LB2=N4*(42+30)= 72

L1(IT )= Load of IT Engg Dept: Sem I = LF1(Electrical)+LS1+LT1+LB1 = 153

L2(IT )= Load of IT Engg Dept: Sem II = LF2(Electrical)+LS2+LT2+LB2 = 165

Load of IT Engg Department = Max{ L1 , L2}

Load of IT Engg Department = 165

LF1 (FPL I) and LF2 (FPL II) for IT is zero.. Because it is considered in Computer

## Work Load For Branch Civil:

**Work Load at Second Year For Branch ITl: (LS)**

a) LS 1: Toatal Load of Second Year Semester I:
LS1= Total load of SE= N2*45= 0
b) LS 2: Toatal Load of Second Year Semester II:
LS2= Total load of SE=N2*50= 0

**Work Load at Third Year For Branch IT: (LT)**

a) LT 1: Toatal Load as per structure=
LT1=N3*48= 0
b) LT 2: Toatal Load as per structure=
LT2=N3*56= 0

**Work Load at Final Year For Branch IT: (LB)**

a) LB 1: Toatal Load as per structure=
LB1=N4*(52+10)= 0
b) LB 2: Toatal Load as per structure=
LB2=N4*(48+30)= 0

L1(Civil )= Load of Civil Engg Dept: Sem I = LF1(civil)+LS1+LT1+LB1 = 72

L2(Civil )= Load of Civil Engg Dept:: Sem II = LF2(civil)+LS2+LT2+LB2 = 72

Load of Civil Engg Department = Max{ L1 , L2}

Load of Civil Engg Department = 72

## Work Load For Branch Mechanical:

**Work Load at Second Year For Branch Mech: (LS)**

a) LS 1: Toatal Load of Second Year Semester I:
LS1= Total load of SE= N2*47= 94
b) LS 2: Toatal Load of Second Year Semester II:
LS2= Total load of SE=N2*54= 108

**Work Load at Third Year For Branch Mech: (LT)**

a) LT 1: Toatal Load as per structure=
LT1=N3*54= 108
b) LT 2: Toatal Load as per structure=
LT2=N3*54= 108

**Work Load at Final Year For Branch Mech: (LB)**

a) LB 1: Toatal Load as per structure=
LB1=N4*(52+10)= 124
b) LB 2: Toatal Load as per structure=
LB2=N4*(40+30)= 140

L1(Mech )= Load of Mech Engg Dept: Sem I = LF1(Mech)+LS1+LT1+LB1 = 398

L2(Mech )= Load of Mech Engg Dept: Sem II = LF2(Mech)+LS2+LT2+LB2 = 428

Load of Mech Engg Department = Max{ L1 , L2}

Load of Mech Engg Department = 428

## Work Load For Branch Instrumentation:

**Work Load at Second Year For Branch Instru: (LS)**

a) LS 1: Toatal Load of Second Year Semester I:
LS1= Total load of SE= N2*43= 0
b) LS 2: Toatal Load of Second Year Semester II:
LS2= Total load of SE=N2*50= 0

**Work Load at Third Year For Branch Instru: (LT)**

a) LT 1: Toatal Load as per structure=
LT1=N3*48= 0
b) LT 2: Toatal Load as per structure=
LT2=N3*48= 0

**Work Load at Final Year For Branch Instru: (LB)**

a) LB 1: Toatal Load as per structure=
LB1=N4*(52+10)= 0
b) LB 2: Toatal Load as per structure=
LB2=N4*(42+30)= 0

LF1 and LF2 for Instrumation is zero..

L1(Instru )= Load of Instrumentation Engg Dept: Sem I = LF1+LS1+LT1+LB1 = 0

L2(Instru )= Load of Instrumentation Engg Dept: Sem II = LF2+LS2+LT2+LB2 = 0

Load of Instru Engg Department = Max{ L1 , L2}

Load of Instru Engg Department = 0

## Work Load For Branch Printing:

### Work Load at Second Year For Branch Print: (LS)

a) LS 1: Toatal Load of Second Year Semester I:
LS1= Total load of SE= N2*39= 39
b) LS 2: Toatal Load of Second Year Semester II:
LS2= Total load of SE=N2*54= 54

### Work Load at Third Year For Branch Print: (LT)

a) LT 1: Toatal Load as per structure=
LT1=N3*48= 48
b) LT 2: Toatal Load as per structure=
LT2=N3*48= 48

### Work Load at Final Year For Branch Print: (LB)

a) LB 1: Toatal Load as per structure=
LB1=N4*(51+10)= 61
b) LB 2: Toatal Load as per structure=
LB2=N4*(42+30)= 72

L1(Print )= Load of Print Engg Dept: Sem I = LF1+LS1+LT1+LB1 = 148

L2(Print )= Load of Print Engg Dept: Sem II = LF2+LS2+LT2+LB2 = 174

Load of Print Engg Department = Max{ L1 , L2}

Load of Print Engg Department = 174

## Work Load For Branch Polymer:

### Work Load at Second Year For Branch Polymer: (LS)

a) LS 1: Toatal Load of Second Year Semester I:
LS1= Total load of SE= N2*54= 0
b) LS 2: Toatal Load of Second Year Semester II:
LS2= Total load of SE=N2*50= 0

### Work Load at Third Year For Branch Polymer: (LT)

a) LT 1: Toatal Load as per structure=
LT1=N3*54= 0
b) LT 2: Toatal Load as per structure=
LT2=N3*54= 0

### Work Load at Final Year For Branch Polymer: (LB)

a) LB 1: Toatal Load as per structure=
LB1=N4*(52+10)= 0
b) LB 2: Toatal Load as per structure=
LB2=N4*(48+30)= 0

L1(Polymer)= Load of Polymer Engg Dept: Sem I = LF1+LS1+LT1+LB1 = 0

L2(Polymer )= Load of Polymer Engg Dept: Sem II = LF2+LS2+LT2+LB2 = 0

Load of Polymer Engg Department = Max{ L1 , L2}

Load of Polymer Engg Department = 0

## Work Load For Branch Petrolum:

### Work Load at Second Year For Branch Petrolum: (LS)

a) LS 1: Toatal Load of Second Year Semester I:
LS1= Total load of SE= N2*54= 0
b) LS 2: Toatal Load of Second Year Semester II:
LS2= Total load of SE=N2*50= 0

### Work Load at Third Year For Branch Petrolum: (LT)

a) LT 1: Toatal Load as per structure=
LT1=N3*51= 0
b) LT 2: Toatal Load as per structure=
LT2=N3*54= 0

### Work Load at Final Year For Branch Petrolum: (LB)

a) LB 1: Toatal Load as per structure=
LB1=N4*(52+10)= 0
b) LB 2: Toatal Load as per structure=
LB2=N4*(48+30)= 0

L1(Petrolum)= Load of Petrolum Engg Dept: Sem I = LF1+LS1+LT1+LB1 = 0

L2(Petrolum )= Load of Petrolum Engg Dept: Sem II = LF2+LS2+LT2+LB2 = 0

Load of Petrolum Engg Department = Max{ L1 , L2}

Load of Petrolum Engg Department = 0

## Work Load For Branch Petrochemical:

**Work Load at Second Year For Branch Petrochem: (LS)**

a) LS 1: Toatal Load of Second Year Semester I:
LS1= Total load of SE= N2*54= 0
b) LS 2: Toatal Load of Second Year Semester II:
LS2= Total load of SE=N2*50= 0

**Work Load at Third Year For Branch Petrochem: (LT)**

a) LT 1: Toatal Load as per structure=
LT1=N3*51= 0
b) LT 2: Toatal Load as per structure=
LT2=N3*54= 0

**Work Load at Final Year For Branch Petrochem: (LB)**

a) LB 1: Toatal Load as per structure=
LB1=N4*(52+10)= 0
b) LB 2: Toatal Load as per structure=
LB2=N4*(48+30)= 0

L1(Petrochem)= Load of Petrochem Engg Dept: Sem I = LF1+LS1+LT1+LB1 = 0

L2(Petrochem)= Load of Petrochem Engg Dept: Sem II = LF2+LS2+LT2+LB2 = 0

Load of Petrochem Engg Department = Max{ L1 , L2}

Load of Petrochem Engg Department = 0

## Work Load For Branch Industrial:

**Work Load at Second Year For Branch Industrial: (LS)**

a) LS 1: Toatal Load of Second Year Semester I:
LS1= Total load of SE= N2*44= 0
b) LS 2: Toatal Load of Second Year Semester II:
LS2= Total load of SE=N2*50= 0

**Work Load at Third Year For Branch Industrial: (LT)**

a) LT 1: Toatal Load as per structure=
LT1=N3*48= 0
b) LT 2: Toatal Load as per structure=
LT2=N3*48= 0

**Work Load at Final Year For Branch Industrial: (LB)**

a) LB 1: Toatal Load as per structure=
LB1=N4*(52+10)= 0
b) LB 2: Toatal Load as per structure=
LB2=N4*(42+30)= 0

L1(Industrial )= Load of Industrial Engg Dept: Sem I = LF1+LS1+LT1+LB1 = 0

L2(Industrial )= Load of Industrial Engg Dept:: Sem II = LF2+LS2+LT2+LB2 = 0

Load of Industrial Engg Department = Max{ L1 , L2}

Load of Industrial Engg Department = 0

## Work Load For Branch Production:

**Work Load at Second Year For Branch Production: (LS)**

a) LS 1: Toatal Load of Second Year Semester I:
LS1= Total load of SE= N2*44= 0
b) LS 2: Toatal Load of Second Year Semester II:
LS2= Total load of SE=N2*50= 0

**Work Load at Third Year For Branch Production: (LT)**

a) LT 1: Toatal Load as per structure=
LT1=N3*48= 0
b) LT 2: Toatal Load as per structure=
LT2=N3*48= 0

**Work Load at Final Year For Branch Production: (LB)**

a) LB 1: Toatal Load as per structure=
LB1=N4*(52+10)= 0
b) LB 2: Toatal Load as per structure=
LB2=N4*(48+30)= 0

L1(Production )= Load of Production Engg Dept: Sem I = LF1+LS1+LT1+LB1 = 0

L2(Production )= Load of Production Engg Dept:: Sem II = LF2+LS2+LT2+LB2 = 0

Load of Production Engg Department = Max{ L1 , L2}

Load of Production Engg Department = 0

## Work Load For Branch Chemical:

**Work Load at Second Year For Branch Chemical: (LS)**

a) LS 1: Toatal Load of Second Year Semester I:
LS1= Total load of SE= N2*45= 0
b) LS 2: Toatal Load of Second Year Semester II:
LS2= Total load of SE=N2*50= 0

**Work Load at Third Year For Branch Chemical: (LT)**

a) LT 1: Toatal Load as per structure=
LT1=N3*54= 0
b) LT 2: Toatal Load as per structure=
LT2=N3*54= 0

**Work Load at Final Year For Branch Chemical: (LB)**

a) LB 1: Toatal Load as per structure=
LB1=N4*(51+10)= 0
b) LB 2: Toatal Load as per structure=
LB2=N4*(42+30)= 0

L1(Chemical )= Load of Chemical Engg Dept: Sem I = LF1+LS1+LT1+LB1 = 0

L2(Chemical )= Load of Chemical Engg Dept:: Sem II = LF2+LS2+LT2+LB2 = 0

Load of Chemical Engg Department = Max{ L1 , L2}

Load of Chemical Engg Department = 0

## Work Load For Branch Biotechnology:

**Work Load at Second Year For Branch Biotech: (LS)**

a) LS 1: Toatal Load of Second Year Semester I:
LS1= Total load of SE= N2*43= 0
b) LS 2: Toatal Load of Second Year Semester II:
LS2= Total load of SE=N2*52= 0

**Work Load at Third Year For Branch Biotech: (LT)**

a) LT 1: Toatal Load as per structure=
LT1=N3*50= 0
b) LT 2: Toatal Load as per structure=
LT2=N3*54= 0

**Work Load at Final Year For Branch Biotech: (LB)**

a) LB 1: Toatal Load as per structure=
LB1=N4*(49+10)= 0
b) LB 2: Toatal Load as per structure=
LB2=N4*(38+30)= 0

L1(Biotech )= Load of Biotech Engg Dept: Sem I = LF1+LS1+LT1+LB1 = 0

L2(Biotech )= Load of Biotech Engg Dept:: Sem II = LF2+LS2+LT2+LB2 = 0

Load of Biotech Engg Department = Max{ L1 , L2}

Load of Biotech Engg Department = 0

## Work Load For Branch Automobile:

**Work Load at Second Year For Branch Automobile: (LS)**

a) LS 1: Toatal Load of Second Year Semester I:
LS1= Total load of SE= N2*47= 0
b) LS 2: Toatal Load of Second Year Semester II:
LS2= Total load of SE=N2*54= 0

**Work Load at Third Year For Branch Automobile: (LT)**

a) LT 1: Toatal Load as per structure=
LT1=N3*54= 0
b) LT 2: Toatal Load as per structure=
LT2=N3*54= 0

**Work Load at Final Year For Branch Automob: (LB)**

a) LB 1: Toatal Load as per structure=
LB1=N4*(52+10)= 0
b) LB 2: Toatal Load as per structure=
LB2=N4*(42+30)= 0

L1(Automobile )= Load of Automob Engg Dept: Sem I = LF1+LS1+LT1+LB1 = 0

L2(Automobile )= Load of Automob Engg Dept:: Sem II = LF2+LS2+LT2+LB2 = 0

Load of Automobile Engg Department = Max{ L1 , L2}

Load of Automobile Engg Department = 0

LI 1= Load of institute of First Semester= Sum of load of first semester of all branches + load of Chemistry + load of Physics + load of Mathematics

1734

LI 2= Load of institute of Second Semester= Sum of load of secondt semester of all branches + load of Chemistry + load of Physics + load of Mathematics

1795

N= Total Number of divisions= N1 + sum of N2 of all branshes + sum of N3 of all branches + sum of N4 of all branches

32

F= faculty required= Max { LI1/14, LI2/14, N*4} 128.2142857

Cadre ratio:

1) Professors=P=F/9 14.25

2) Associated Professor= P *2 28.49

3) Assistant Professor = P*6 85.48

## III)Load Calculation of PG (First shift)

| | Electronics (No. of Students ) | Electircal (No. of Students ) | Computer (No. of Students ) | Civil (No. of Students ) | Information Technology (No. of Students ) | Mechanical (No. of Students ) | TOTAL |
|---|---|---|---|---|---|---|---|
| F.E | 0 | 25 | 0 | 0 | 0 | 0 | 25 |
| S.E | 0 | 25 | 0 | 0 | 0 | 0 | 25 |
| No. Of Faculty required | 0 | 4.166666667 | 0 | 0 | 0 | 0 | |

e) Cadre Ratio:

Total Faculty for PG:(TFPG1)

TFPG1=Faculty of Computer + Faculty of Civil + Faculty of E&TC + Faculty of Mechanical + .....

TFPG1= 4.1667

| | |
|---|---|
| No. Of Professors (P) = TFPG/4 | 1.0417 |
| No. of Associate Professor(AP) =(TFPG/4) | 1.0417 |
| No. of Assistant Professor(ASP) =(TFPG/4)*2 | 2.0833 |