



## G.Pullaiah College of Engineering and Technology

(Autonomous)

(Approved by AICTE, New Delhi | NAAC Accreditation with 'A' Grade |

Accredited by NBA (CSE, ECE & EEE) | Affiliated to JNTUA)

Nandikotkur Road, Venkayapalli (V), Kurnool - 518452, Andhra Pradesh

---

DATE: 16-01-2019

To

The Principal,  
GPCET,  
Kurnool.

Sir,

**Sub: Approval of ADD-ON course for II ME, III ME & IV ME Students-Regd**

The department of ME requests you to accept the proposal for conducting ADD-ON Course on “**Manufacturing Guidelines For Product Design**” for the odd semester of II, III & IV year ME students scheduled for the duration of 42 hours. Kindly accept the proposal.

Thanking you sir,

Yours Sincerely

HOD-ME

PRINCIPAL

G.Pullaiah College of Engg & Tech.  
Nandikotkur Road, VENKAYAPALLI  
KURNOOL-518 452 (A.P)



## G.Pullaiah College of Engineering and Technology

(Autonomous)

(Approved by AICTE, New Delhi | NAAC Accreditation with 'A' Grade |

Accredited by NBA (CSE, ECE & EEE) | Affiliated to JNTUA)

Nandikotkur Road, Venkayapalli (V), Kurnool - 518452, Andhra Pradesh

---

### Department Circular –ADD-ON Course

DATE: 17-01-2019

The II year, III year & IV year-II semester ME Students are informed to enroll their names for ADD-ON Course on “**Manufacturing Guidelines For Product Design**” with their respective class-in-charges on or before 19-02-2019. The course commences from 21<sup>st</sup> January and the duration of the course is for 42 hours. The course is conducted from 4 pm to 5 pm regularly.

Bus facility is made available soon after the class work.

HOD-ME



**G. PULLAIAH COLLEGE OF  
ENGINEERING AND TECHNOLOGY  
(AUTONOMOUS)**

**Department Of Mechanical Engineering**

**ADD ON COURSE**



**Topic : Manufacturing Guidelines For Product  
Design**

**Target audience : II and III Year Students**

**Total Courses Duration : 42 hrs**

**Selection Procedure : Registration on First  
come First serve basis**

**FREE**

**Register  
Now**

**Date of commencement of the course : 21 Jan, 2019.**

**End of Course : 18 May, 2019.**

**Exam Date: 22 May, 2019.**

*Handwritten signature*

**SYLLABUS FOR ADD-ON COURSE ON MANUFACTURING GUIDELINES FOR  
PRODUCT DESIGN**

| <b>DAY</b> | <b>TOPICS</b>   |
|------------|---|
| 1          | Basics, Introduction of Manufacturing Processes       |
| 2          | Engineering Materials, Properties of Materials        |
| 3          | Selection of Materials – I                            |
| 4          | Selection of Materials – II                           |
| 5          | Robust Design   |
| 6          | Product Design for Manual Assembly                    |
| 7          | DFMA Guidelines                                       |
| 8          | Ergonomics in Product Design.                         |
| 9          | Design Guidelines for Sand Casting                    |
| 10         | Design Guidelines for Die Casting Process             |
| 11         | Compression Molding and Extrusion                     |
| 12         | Design Guidelines for Extrusion and Injection Molding |
| 13         | Design Guidelines for Sheet Metal Working             |
| 14         | Adhesive Joining                                      |
| 15         | Design Guidelines: Brazing and Soldering              |

*Rms*



**G PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY: KURNOOL (Autonomous)**  
**Department of Mechanical Engineering**  
The following is the list of the students who have attended Add on Course on “Manufacturing  
Guidelines For Product Design”

**16<sup>th</sup> Batch Students**

| S. No | ROLL NO    | Name of the Candidate           |
|-------|------------|---------------------------------|
| 1     | 16AT1A0301 | SYED AQHIL PASHA                |
| 2     | 16AT1A0302 | DEVARAKONDA ASHOK KUMAR         |
| 3     | 16AT1A0303 | SAGINELA ASHOK KUMAR            |
| 4     | 16AT1A0304 | CHAKALI BALAKRISHNA             |
| 5     | 16AT1A0305 | BOGGULA CHAKRAVARTHI            |
| 6     | 16AT1A0306 | MALIGAPOGU CHARAN               |
| 7     | 16AT1A0308 | SHAIK FAIROZ AHMED              |
| 8     | 16AT1A0309 | OMKARAM HARSHA VARDHAN RAJU     |
| 9     | 16AT1A0310 | MEKALA JAYANTH YADAV            |
| 10    | 16AT1A0311 | SHAIK KARIMULLA                 |
| 11    | 16AT1A0313 | S MD UMAR KHALID                |
| 12    | 16AT1A0314 | SHAIK MD FAZIL                  |
| 13    | 16AT1A0315 | SHAIK MOHAMMAD ABBAS            |
| 14    | 16AT1A0316 | OBALÉ MOHAMMAD HASHAM           |
| 15    | 16AT1A0317 | B MOHAMMAD RAFI                 |
| 16    | 16AT1A0318 | SHAIK MOHAMMED SAMEEM SAQLAIN   |
| 17    | 16AT1A0319 | KOLIMI MUZAMMIL AHMED           |
| 18    | 16AT1A0320 | G NAGARJUNA REDDY               |
| 19    | 16AT1A0321 | POTHIREDDYGARI PAVANKUMAR REDDY |
| 20    | 16AT1A0322 | KALANGI PRASAD                  |
| 21    | 16AT1A0323 | K RAGHAVENDRA                   |
| 22    | 16AT1A0324 | K RAHUL SAI                     |
| 23    | 16AT1A0325 | GUDLA RAJINI ROHITH             |
| 24    | 16AT1A0326 | SHAIK RIYAZ                     |
| 25    | 16AT1A0327 | Y SAI CHARAN                    |
| 26    | 16AT1A0328 | DEVAKI SAI KALYAN               |
| 27    | 16AT1A0329 | K SAI KIRAN                     |
| 28    | 16AT1A0330 | PASAM SAI KUMAR                 |

*Prave*

|    |            |                                |
|----|------------|--------------------------------|
| 29 | 16AT1A0332 | MADICHIKIAM SANDEEP            |
| 30 | 16AT1A0333 | D SANTHOSH                     |
| 31 | 16AT1A0334 | SYED SHABEENA RANI             |
| 32 | 16AT1A0335 | PATAN SHAFI KHAN               |
| 33 | 16AT1A0336 | C H K SHAM SUNDAR              |
| 34 | 16AT1A0337 | SENIVARAPU SOWMYA              |
| 35 | 16AT1A0338 | C SRIHARI                      |
| 36 | 16AT1A0339 | MARAM SUMANTH                  |
| 37 | 16AT1A0340 | SALE SURESH                    |
| 38 | 16AT1A0341 | P SUSHANTH KUMAR               |
| 39 | 16AT1A0342 | MASEPOGU SUSMITHA              |
| 40 | 16AT1A0343 | RODDA TARAKESHAVULU            |
| 41 | 16AT1A0344 | KASIREDDY USHARANI             |
| 42 | 16AT1A0345 | SREE BAREED VAMSHI KRISHNA     |
| 43 | 16AT1A0347 | MANDA VENUGOPAL                |
| 44 | 16AT1A0348 | VADLA VIHARI ACHARI            |
| 45 | 16AT1A0349 | KURNI VIJAY                    |
| 46 | 16AT1A0350 | K VISWANATH REDDY              |
| 47 | 16AT1A0351 | K YESHWANTH NAIDU              |
| 48 | 17AT5A0301 | K AMARESHWARA CHARY            |
| 49 | 17AT5A0302 | KALLURI ASHOK                  |
| 50 | 17AT5A0303 | GUTURU BHARATH KUMAR           |
| 51 | 17AT5A0304 | DANIKONDA CHANDRA SEKHAR REDDY |
| 52 | 17AT5A0305 | KADIYAM JAGADEESH              |
| 53 | 17AT5A0306 | SHAIK MAHAMMAD SANAVULLA       |
| 54 | 17AT5A0307 | MALLEMDODDI MALLIKARJUNA       |
| 55 | 17AT5A0308 | SHAIK MUNEER AHAMMED           |
| 56 | 17AT5A0309 | KAIRUPPALA SREEKANTH           |
| 57 | 17AT5A0310 | VADDE SUDHEER KUMAR            |
| 58 | 17AT5A0311 | DESAPOGU MADIGA SUMANRAJU      |
| 59 | 17AT5A0312 | SANJEPOGU DIVYA KIRAN          |
| 60 | 17AT5A0313 | KAMMARI SAI KUMAR              |
| 61 | 17AT5A0314 | SHAIK SHAIKSHAVALI             |
| 62 | 17AT5A0315 | SAYYED MURTHUJAVALI            |

**15<sup>th</sup> batch Students**

| S.No | Roll No    | Name                |
|------|------------|---------------------|
| 1    | 15AT1A0301 | S ABDUL AZEEZ       |
| 2    | 15AT1A0302 | SHAIK AHMED HUSSAIN |

*Pramo*

|    |            |                                  |
|----|------------|----------------------------------|
| 3  | 15AT1A0303 | SARFARAZ AHMED                   |
| 4  | 15AT1A0304 | LANKE AJAY GOWTHAM               |
| 5  | 15AT1A0306 | SYED AMER AHMED                  |
| 6  | 15AT1A0307 | SHAIK ANWAR BASHA                |
| 7  | 15AT1A0308 | CHAGAM ARAVINDHA REDDY           |
| 8  | 15AT1A0309 | KUNDURU CHAKRADHAR REDDY         |
| 9  | 15AT1A0310 | BOYA DHEERAJ KUMAR               |
| 10 | 15AT1A0311 | PALLE GOUTHAM REDDY              |
| 11 | 15AT1A0312 | GAJJI HARSHAVARDHAN              |
| 12 | 15AT1A0313 | MALLEPOGU JAMMANNA               |
| 13 | 15AT1A0314 | KORRAPATTI JAYA VINAY            |
| 14 | 15AT1A0315 | G V LAHARI                       |
| 15 | 15AT1A0316 | BESTHA MADHURANI                 |
| 16 | 15AT1A0317 | BILLU MANOHAR                    |
| 17 | 15AT1A0318 | SHAIK MOHAMMAD SAIED             |
| 18 | 15AT1A0319 | SHAIK MOHAMMED SHARUK<br>HUSSAIN |
| 19 | 15AT1A0320 | GAJJEHALLI NARENDRA              |
| 20 | 15AT1A0322 | MD NASHAD SULTAN                 |
| 21 | 15AT1A0323 | GULAMMAGAARI PAMPANAGOUD         |
| 22 | 15AT1A0324 | GINKA PAVAN TEJA                 |
| 23 | 15AT1A0326 | KURUVA PRASHANTHI                |
| 24 | 15AT1A0327 | HARIJANA PRATHAP                 |
| 25 | 15AT1A0328 | GANDLA PRAVALLIKA                |
| 26 | 15AT1A0329 | C RAGHAVENDRA                    |
| 27 | 15AT1A0330 | P RAHUL                          |
| 28 | 15AT1A0331 | RAJA PRASHANTH KUMAR P           |
| 29 | 15AT1A0332 | ANGAJALA RAJASEKHAR              |
| 30 | 15AT1A0333 | GAMPALA RAMAKRISHNA              |
| 31 | 15AT1A0334 | LALAM RANJITH KUMAR              |
| 32 | 15AT1A0335 | GUDDIBUSIGARI RAVI KUMAR         |
| 33 | 15AT1A0336 | CHEKKIDI SAI THANUJA             |
| 34 | 15AT1A0337 | SANDAVARAM SAINATH               |
| 35 | 15AT1A0338 | SHAIK SHARIF                     |
| 36 | 15AT1A0339 | SHAH SHERAZ MOIN TIPU            |
| 37 | 15AT1A0340 | AKKANOORU THOGATA SHIVA          |
| 38 | 15AT1A0341 | SYED SHYAN MUDDASIR              |
| 39 | 15AT1A0342 | MADHAVARAM SIKHAMANI             |
| 40 | 15AT1A0343 | LINGAYATHI SIVA CHANDANA         |
| 41 | 15AT1A0344 | THUPAKULA SREEKANTH              |
| 42 | 15AT1A0345 | KOILAKUNTLA SRIKANTH             |
| 43 | 15AT1A0346 | BANALA SRIRAM ACHARI             |

*Pran*

|    |            |                                |
|----|------------|--------------------------------|
| 44 | 15AT1A0349 | DARUR SURYAPRAKASH REDDY       |
| 45 | 15AT1A0350 | MOILLA TEJASWI                 |
| 46 | 15AT1A0351 | M.MD.UMAR FAROOQ               |
| 47 | 15AT1A0352 | KUMMARI UMESH CHANDRA          |
| 48 | 15AT1A0353 | KURUVA VIJAY KUMAR             |
| 49 | 15AT1A0354 | KANCHI YOGESH                  |
| 50 | 15AT5A0315 | B UDAY KIRAN                   |
| 51 | 16AT5A0301 | PASULA ASHOK KUMAR             |
| 52 | 16AT5A0302 | KANALA JAYA SHANKAR            |
| 53 | 16AT5A0303 | BUMMANAGARI KESAVA RANGA REDDY |
| 54 | 16AT5A0304 | SHAIK KHAJA GAREEB             |
| 55 | 16AT5A0305 | SHAIK KHAJA MOINUDDIN          |
| 56 | 16AT5A0306 | CHEEKATI MOHAN                 |
| 57 | 16AT5A0307 | POLEPALLE NARASIMHA GUPTHA     |
| 58 | 16AT5A0308 | BUDDHI SAI NAGA TEJA           |
| 59 | 16AT5A0309 | GUNDALA SAI PRAKASH            |
| 60 | 16AT5A0310 | LAKKARAJU SREEHARSHA           |
| 61 | 16AT5A0312 | GODISHE VENKATA RAMANA         |
| 62 | 16AT5A0313 | M YASWANTH KUMAR               |
| 63 | 14AT1A0314 | E GURU PRADEEP                 |
| 64 | 13AT1A0322 | MD. SHOAB                      |
| 65 | 14AT1A0343 | V SURENDRA YADAV               |
| 66 | 14AT1A0350 | N YOGANAND                     |
| 67 | 15AT5A0311 | B RAMUDU                       |

*Prans*



**G PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOG**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**ADDON COURSE SCHEDULE**

**Date: 21/01/2019**

| III & IV YEAR – II Semester                           |                      |          |
|---|----------------------|----------|
| Course  | Faculty              | Duration |
| Basics, Introduction of Manufacturing Processes       | Dr.K.Mallikarjuna    | 3 hours  |
| Engineering Materials, Properties of Materials        | Dr.K.Mallikarjuna    | 3 hours  |
| Selection of Materials – I                            | Dr.K.Mallikarjuna    | 2 hours  |
| Selection of Materials – II                           | Dr.K.Mallikarjuna    | 2 hours  |
| Robust Design   | Dr.K.Mallikarjuna    | 2 hours  |
| Product Design for Manual Assembly                    | N.GOVINDA RAO        | 2 hours  |
| DFMA Guidelines                                       | N.GOVINDA RAO        | 2 hours  |
| Ergonomics in Product Design.                         | N.GOVINDA RAO        | 2 hours  |
| Design Guidelines for Sand Casting                    | N.GOVINDA RAO        | 2 hours  |
| Design Guidelines for Die Casting Process             | N.GOVINDA RAO        | 2 hours  |
| Compression Molding and Extrusion                     | N.GOVINDA RAO        | 1 hours  |
| Design Guidelines for Extrusion and Injection Molding | A.RAMAANJANEYA REEDY | 2 hours  |
| Design Guidelines for Sheet Metal Working             | A.RAMAANJANEYA REEDY | 2 hours  |
| Adhesive Joining                                      | A.RAMAANJANEYA REEDY | 2 hours  |
| Design Guidelines: Brazing and Soldering              | A.RAMAANJANEYA REEDY | 2 hours  |

*Rama*



**G. PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)**

**II, III & IV B. Tech I SEM Objective Paper – Assessment**

**Branch: MECHANICAL ENGINEERING**

**Sub: Acoustic Manufacturing Guidelines for Product Design**

**Date: 22/05/2019**

**Time: 30 min**

**Max.Marks:25**

**Roll No:**

**Invigilator signature:**

**I.MULTIPLE CHOICE QUESTIONS**

1. Which of the following is NOT a consideration in manufacturing guidelines for product design? [     ]  
a) Cost-effectiveness b) Aesthetics c) Material selection d) Production efficiency
2. Design for manufacturability (DFM) focuses on: [     ]  
a) Maximizing complexity in product design b) Minimizing the ease of production c) Optimizing products for efficient manufacturing d) Ignoring material constraints
3. In product design, what does the term "tolerance" refer to? [     ]  
a) The ability of a product to withstand stress b) The maximum load a product can bear c) The allowable deviation from a specified dimension d) The overall cost of manufacturing a product
4. Which of the following is a key consideration in designing for assembly (DFA)? [     ]  
a) Maximizing the number of parts in a product b) Minimizing the use of standard components  
c) Reducing the complexity of assembly processes d) Increasing the number of assembly steps
5. What is the primary goal of concurrent engineering in product design? [     ]  
a) Sequential development of different product components b) Parallel development of product components and processes  
c) Delaying manufacturing until product design is complete d) Minimizing collaboration between design and manufacturing teams
6. Designing parts with uniform wall thickness is a guideline to: [     ]  
a) Enhance aesthetics b) Reduce material cost c) Increase product weight d) Improve product durability
7. Which manufacturing process is NOT typically suitable for high-volume production? [     ]  
a) Injection moulding b) 3D printing c) CNC machining d) Vacuum forming
8. In product design, what does the term "design for assembly" primarily focus on? [     ]  
a) Reducing the number of parts in a product b) Minimizing the efficiency of assembly processes  
c) Increasing the complexity of assembly steps d) Ignoring assembly constraints
9. The purpose of design guidelines like "avoiding undercuts" is to: [     ]  
a) Simplify the assembly process b) Reduce the complexity of mold design c) Increase material cost  
d) Enhance product performance

*R. V. S.*

10. Which of the following materials is NOT commonly used in manufacturing for its ease of machining? [     ]  
a) Aluminum b) Brass c) Ceramic d) Mild steel
11. Which of the following is NOT a consideration in material selection? [     ]  
a) Mechanical properties b) Environmental impact c) Availability of skilled labour d) Cost
12. Which manufacturing process is best suited for producing complex shapes with high accuracy? [     ]  
a) Sand casting b) Injection molding c) CNC machining d) 3D printing
13. Designing parts with rounded corners is a guideline to: [     ]  
a) Increase material usage b) Reduce stress concentrations c) Complicate manufacturing processes d) Enhance aesthetic appeal
14. Which of the following is NOT a benefit of designing for recyclability? [     ]  
a) Reducing environmental impact b) Lowering production costs c) Enhancing brand reputation d) Complying with regulatory requirements
15. What is the primary goal of value engineering in product design? [     ]  
a) Maximizing production costs b) Minimizing product quality c) Maximizing product performance at minimum cost d) Ignoring customer feedback
16. Which of the following factors is NOT typically considered in selecting a manufacturing process? [     ]  
a) Material properties b) Production volume c) Market demand d) Geometric complexity
17. What is the primary purpose of DFMA (Design for Manufacture and Assembly)? [     ]  
a) Reducing production costs b) Increasing production complexity c) Ignoring assembly considerations d) Improving material selection
18. In product design, what does the term "ergonomics" refer to? [     ]  
a) Efficiency of manufacturing processes b) User comfort and usability c) Environmental sustainability d) Aesthetics and appearance
19. Which of the following is NOT a typical consideration in selecting materials for product design? [     ]  
a) Thermal conductivity b) Material availability on the market c) Durability d) Political stability of material suppliers
20. Which manufacturing process is most suitable for producing low-volume, highly customized parts? [     ]  
a) Injection molding b) CNC machining c) Die casting d) Extrusion

*Prave*

21. What is the primary purpose of geometric dimensioning and tolerancing (GD&T)? [ ]
- a) To specify aesthetic requirements b) To control the variation in part dimensions c) To ignore manufacturing constraints d) To increase production complexity
22. Which of the following is a consideration in selecting a manufacturing process? [ ]
- a) Brand popularity b) Market competition c) Material properties d) CEO preference
23. Which manufacturing process is commonly used for producing metal parts with high precision? [ ]
- a) Sand casting b) Investment casting c) CNC machining d) Blow molding
24. Which of the following is NOT a benefit of using standard components in design? [ ]
- a) Reduced lead times b) Increased design flexibility c) Lower production costs d) Simplified procurement and inventory management
25. Which of the following is NOT a consideration in design for ease of maintenance? [ ]
- a) Accessibility of components b) Modularity of design c) Complexity of repair procedures d) Aesthetics of the product

*Done*



**G PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY: KURNOOL (Autonomous)**  
**Department of Mechanical Engineering**  
**Evaluation sheet Add-on Course on "Manufacturing Guidelines For Product Design"**

**16<sup>th</sup> Batch Students**

| S. No | ROLL NO    | Name of the Candidate           | Marks |
|-------|------------|---------------------------------|-------|
| 1     | 16AT1A0301 | SYED AQHIL PASHA                | 22    |
| 2     | 16AT1A0302 | DEVARAKONDA ASHOK KUMAR         | 18    |
| 3     | 16AT1A0303 | SAGINELA ASHOK KUMAR            | 20    |
| 4     | 16AT1A0304 | CHAKALI BALAKRISHNA             | 19    |
| 5     | 16AT1A0305 | BOGGULA CHAKRAVARTHI            | 15    |
| 6     | 16AT1A0306 | MALIGAPOGU CHARAN               | 21    |
| 7     | 16AT1A0308 | SHAIK FAIROZ AHMED              | 16    |
| 8     | 16AT1A0309 | OMKARAM HARSHA VARDHAN RAJU     | 6     |
| 9     | 16AT1A0310 | MEKALA JAYANTH YADAV            | 12    |
| 10    | 16AT1A0311 | SHAIK KARIMULLA                 | 17    |
| 11    | 16AT1A0313 | S MD UMAR KHALID                | 18    |
| 12    | 16AT1A0314 | SHAIK MD FAZIL                  | 19    |
| 13    | 16AT1A0315 | SHAIK MOHAMMAD ABBAS            | 20    |
| 14    | 16AT1A0316 | OBALÉ MOHAMMAD HASHAM           | 21    |
| 15    | 16AT1A0317 | B MOHAMMAD RAFI                 | 22    |
| 16    | 16AT1A0318 | SHAIK MOHAMMED SAMEEM SAQLAIN   | 21    |
| 17    | 16AT1A0319 | KOLIMI MUZAMMIL AHMED           | 20    |
| 18    | 16AT1A0320 | G NAGARJUNA REDDY               | 18    |
| 19    | 16AT1A0321 | POTHIREDDYGARI PAVANKUMAR REDDY | 17    |
| 20    | 16AT1A0322 | KALANGI PRASAD                  | 18    |
| 21    | 16AT1A0323 | K RAGHAVENDRA                   | A     |
| 22    | 16AT1A0324 | K RAHUL SAI                     | 20    |
| 23    | 16AT1A0325 | GUDLA RAJINI ROHITH             | 19    |
| 24    | 16AT1A0326 | SHAIK RIYAZ                     | 7     |
| 25    | 16AT1A0327 | Y SAI CHARAN                    | 20    |
| 26    | 16AT1A0328 | DEVAKI SAI KALYAN               | 18    |
| 27    | 16AT1A0329 | K SAI KIRAN                     | 19    |
| 28    | 16AT1A0330 | PASAM SAI KUMAR                 | 20    |
| 29    | 16AT1A0332 | MADICHIKIAM SANDEEP             | 18    |
| 30    | 16AT1A0333 | D SANTHOSH                      | 19    |
| 31    | 16AT1A0334 | SYED SHABEENA RANI              | 20    |

*Pran*

|    |            |                                |    |
|----|------------|--------------------------------|----|
| 32 | 16AT1A0335 | PATAN SHAFI KHAN               | 21 |
| 33 | 16AT1A0336 | C H K SHAM SUNDAR              | 18 |
| 34 | 16AT1A0337 | SENIVARAPU SOWMYA              | 17 |
| 35 | 16AT1A0338 | C SRIHARI                      | 15 |
| 36 | 16AT1A0339 | MARAM SUMANTH                  | 20 |
| 37 | 16AT1A0340 | SALE SURESH                    | 16 |
| 38 | 16AT1A0341 | P SUSHANTH KUMAR               | 18 |
| 39 | 16AT1A0342 | MASEPOGU SUSMITHA              | 19 |
| 40 | 16AT1A0343 | RODDA TARAKESHAVULU            | A  |
| 41 | 16AT1A0344 | KASIREDDY USHARANI             | 20 |
| 42 | 16AT1A0345 | SREE BAREED VAMSHI KRISHNA     | 18 |
| 43 | 16AT1A0347 | MANDA VENUGOPAL                | 19 |
| 44 | 16AT1A0348 | VADLA VIHARI ACHARI            | 21 |
| 45 | 16AT1A0349 | KURNI VIJAY                    | 22 |
| 46 | 16AT1A0350 | K VISWANATH REDDY              | 18 |
| 47 | 16AT1A0351 | K YESHWANTH NAIDU              | 19 |
| 48 | 17AT5A0301 | K AMARESHWARA CHARY            | 20 |
| 49 | 17AT5A0302 | KALLURI ASHOK                  | 22 |
| 50 | 17AT5A0303 | GUTURU BHARATH KUMAR           | 15 |
| 51 | 17AT5A0304 | DANIKONDA CHANDRA SEKHAR REDDY | 18 |
| 52 | 17AT5A0305 | KADIYAM JAGADEESH              | 19 |
| 53 | 17AT5A0306 | SHAIK MAHAMMAD SANAVULLA       | 20 |
| 54 | 17AT5A0307 | MALLEMDODDI MALLIKARJUNA       | 21 |
| 55 | 17AT5A0308 | SHAIK MUNEEER AHAMMED          | 21 |
| 56 | 17AT5A0309 | KAIRUPPALA SREEKANTH           | 22 |
| 57 | 17AT5A0310 | VADDE SUDHEER KUMAR            | 18 |
| 58 | 17AT5A0311 | DESAPOGU MADIGA SUMANRAJU      | 19 |
| 59 | 17AT5A0312 | SANJEPOGU DIVYA KIRAN          | 18 |
| 60 | 17AT5A0313 | KAMMARI SAI KUMAR              | 20 |
| 61 | 17AT5A0314 | SHAIK SHAIKSHAVALI             | 21 |
| 62 | 17AT5A0315 | SAYYED MURTHUJAVALI            | 25 |

#### 15<sup>th</sup> batch Students

| S.No | Roll No    | Name                | Marks |
|------|------------|---------------------|-------|
| 1    | 15AT1A0301 | S ABDUL AZEEZ       | 17    |
| 2    | 15AT1A0302 | SHAIK AHMED HUSSAIN | 18    |
| 3    | 15AT1A0303 | SARFARAZ AHMED      | 19    |
| 4    | 15AT1A0304 | LANKE AJAY GOWTHAM  | 18    |
| 5    | 15AT1A0306 | SYED AMER AHMED     | 19    |

*Pran*

|    |            |                                  |    |
|----|------------|----------------------------------|----|
| 6  | 15AT1A0307 | SHAIK ANWAR BASHA                | 20 |
| 7  | 15AT1A0308 | CHAGAM ARAVINDHA REDDY           | 21 |
| 8  | 15AT1A0309 | KUNDURU CHAKRADHAR REDDY         | 22 |
| 9  | 15AT1A0310 | BOYA DHEERAJ KUMAR               | 17 |
| 10 | 15AT1A0311 | PALLE GOUTHAM REDDY              | 18 |
| 11 | 15AT1A0312 | GAJI HARSHAVARDHAN               | 20 |
| 12 | 15AT1A0313 | MALLEPOGU JAMMANNA               | 19 |
| 13 | 15AT1A0314 | KORRAPATTI JAYA VINAY            | 22 |
| 14 | 15AT1A0315 | G V LAHARI                       | 18 |
| 15 | 15AT1A0316 | BESTHA MADHURANI                 | 20 |
| 16 | 15AT1A0317 | BILLU MANOHAR                    | 19 |
| 17 | 15AT1A0318 | SHAIK MOHAMMAD SAIED             | A  |
| 18 | 15AT1A0319 | SHAIK MOHAMMED SHARUK<br>HUSSAIN | 21 |
| 19 | 15AT1A0320 | GAJJEHALLI NARENDRA              | 16 |
| 20 | 15AT1A0322 | MD NASHAD SULTAN                 | 6  |
| 21 | 15AT1A0323 | GULAMMAGAARI PAMPANAGOUD         | 12 |
| 22 | 15AT1A0324 | GINKA PAVAN TEJA                 | 17 |
| 23 | 15AT1A0326 | KURUVA PRASHANTHI                | 18 |
| 24 | 15AT1A0327 | HARIJANA PRATHAP                 | 19 |
| 25 | 15AT1A0328 | GANDLA PRAVALLIKA                | 20 |
| 26 | 15AT1A0329 | C RAGHAVENDRA                    | 22 |
| 27 | 15AT1A0330 | P RAHUL                          | 18 |
| 28 | 15AT1A0331 | RAJA PRASHANTH KUMAR P           | 20 |
| 29 | 15AT1A0332 | ANGAJALA RAJASEKHAR              | 19 |
| 30 | 15AT1A0333 | GAMPALA RAMAKRISHNA              | 15 |
| 31 | 15AT1A0334 | LALAM RANJITH KUMAR              | 21 |
| 32 | 15AT1A0335 | GUDDIBUSIGARI RAVI KUMAR         | 16 |
| 33 | 15AT1A0336 | CHEKKIDI SAI THANUJA             | 6  |
| 34 | 15AT1A0337 | SANDAVARAM SAINATH               | 18 |
| 35 | 15AT1A0338 | SHAIK SHARIF                     | 20 |
| 36 | 15AT1A0339 | SHAH SHERAZ MOIN TIPU            | 21 |
| 37 | 15AT1A0340 | AKKANLOORU THOGATA SHIVA         | 22 |
| 38 | 15AT1A0341 | SYED SHYAN MUDDASIR              | 12 |
| 39 | 15AT1A0342 | MADHAVARAM SIKHAMANI             | 17 |
| 40 | 15AT1A0343 | LINGAYATHI SIVA CHANDANA         | 18 |
| 41 | 15AT1A0344 | THUPAKULA SREEKANTH              | 19 |
| 42 | 15AT1A0345 | KOILAKUNTLA SRIKANTH             | 20 |
| 43 | 15AT1A0346 | BANALA SRIRAM ACHARI             | 22 |
| 44 | 15AT1A0349 | DARUR SURYAPRAKASH REDDY         | 18 |
| 45 | 15AT1A0350 | MOILLA TEJASWI                   | 20 |
| 46 | 15AT1A0351 | M.MD.UMAR FAROOQ                 | 19 |

*Pvan*

|    |            |                                |    |
|----|------------|--------------------------------|----|
| 47 | 15AT1A0352 | KUMMARI UMESH CHANDRA          | 15 |
| 48 | 15AT1A0353 | KURUVA VIJAY KUMAR             | 21 |
| 49 | 15AT1A0354 | KANCHI YOGESH                  | 16 |
| 50 | 15AT5A0315 | B UDAY KIRAN                   | 6  |
| 51 | 16AT5A0301 | PASULA ASHOK KUMAR             | 18 |
| 52 | 16AT5A0302 | KANALA JAYA SHANKAR            | 20 |
| 53 | 16AT5A0303 | BUMMANAGARI KESAVA RANGA REDDY | 21 |
| 54 | 16AT5A0304 | SHAIK KHAJA GAREEB             | 22 |
| 55 | 16AT5A0305 | SHAIK KHAJA MOINUDDIN          | 12 |
| 56 | 16AT5A0306 | CHEEKATI MOHAN                 | 17 |
| 57 | 16AT5A0307 | POLEPALLE NARASIMHA GUPTHA     | A  |
| 58 | 16AT5A0308 | BUDDHI SAI NAGA TEJA           | 21 |
| 59 | 16AT5A0309 | GUNDALA SAI PRAKASH            | 20 |
| 60 | 16AT5A0310 | LAKKARAJU SREEHARSHA           | 18 |
| 61 | 16AT5A0312 | GODISHE VENKATA RAMANA         | 17 |
| 62 | 16AT5A0313 | M YASWANTH KUMAR               | 8  |
| 63 | 14AT1A0314 | E GURU PRADEEP                 | 20 |
| 64 | 13AT1A0322 | MD. SHOAB                      | 22 |
| 65 | 14AT1A0343 | V SURENDRA YADAV               | 18 |
| 66 | 14AT1A0350 | N YOGANAND                     | 21 |
| 67 | 15AT5A0311 | B RAMUDU                       | 20 |

*P. V. M.*