



GLOBAL INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE & Affiliated to JNTUH)

Survey No. 179, Chilkur (V), Moinabad (M), Ranga Reddy Dist. TS.

Phone: 8790101015 / 9959250205

e-mail: principal.giet.u6@gmail.com

JNTUH Code (U6)

CIVIL - CSE - MECH - ECE - EEE - MBA - M.Tech. EAMCET Code- GLOB

Department of Mechanical Engineering

Mr. Suryakanth M Patil
B.Tech, M.Tech
Associate Professor & Head

Lr.No: GIET/ME/Brdg Cour/001/05/2016-17

Date 05/06/2016

To
The Principal
Global Institute of Engineering & Technology
Moinabad

Madam,

Sub: Permission to Conduct Bridge Course for Students of ME-III Semester reg..

This is to get it to your kind notice that we Department of Mechanical Engineering are interested to conduct a Bridge Course On **Production Drawing Practice (PDP)** to the students of ME-III Sem from 13/06/2016 to 17/06/2016, which is undertaken for students benefit as a value addition to curriculum of course.

These classes help students to strengthen their basics and bridge gap between intermediate and engineering. These classes give them a brief idea of Mechanical Engineering.

Kindly accord approval so as to make necessary arrangements for conducting the classes for students of Mechanical Engineering -III Sem - Academic Year: 2016-17.

Thanking you.


H.O.D

HEAD

Department of Mechanical Engg.
Global Institute of Engineering & Technology
Chilkur (V), Moinabad(M), R.R. Dist.T.S. -501 504

Cc to :

Director - for information
Dy. Director- for information
Dean - for information
IQAC- for information
Head H&S - for information



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Department of Mechanical Engineering

Lr.No: GIET/ME/Brdg Cour/002/04/2016-17

Date 05/06/2016

OFFICE ORDER

Sub : Appointment of Coordinator for Bridge Course Students of ME-III-Reg

This is to state that **Mr. A Sohail** is appointed as Coordinator for Bridge Course Classes for students of Mechanical Engineering- III Sem from 13/06/2016 to 17/06/2016. Further you will be responsible for checking the status of classes, strength of students and Syllabus coverage status and all other issues related to the conduct of classes.

It is here by informed to take charge immediately and initiate the work accordingly.

To
Mr.A Sohail
Assistant Professor
Department of Mechanical Engineering
Global Institute of Engineering & Technology.



Principal

P. S. 5/6/16
PRINCIPAL
Global Institute of Engg. & Tech
Chilkur (V), Moinabad (M)
R. R. Dist.

Cc to

IQAC- for information

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Dy Director- for information

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Secretary :

K.M. ARIFUDDIN B.A., LL.M

Principal:

Lr.No: GIET/ME/Brdg Cour/003(a)/05/2016-17

Date 09/06/2016

To

Mr. P K Subhramanian
Associate Professor,
MGIT, Hyderabad

Respected Sir,

**SUB: Invitation as a Speaker for Bridge Course on 'Production Drawing Practice(PDP)''-Reg
Academic Year: 2016-17**

Global Institute of Engineering and Technology is a self financed Non-Minority Institution established in the year 2006 with a vision to promote quality education.

Global Institute of Engineering and Technology is managed by Madina Education and Welfare Society which is a four decades old society. Global Institute of Engineering and Technology offers B.Tech in Civil Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Mechanical Engineering, Computer Science and Engineering and Masters in Embedded Systems, Electrical Power Engineering, Computer Science and Engineering, Structural Engineering and MBA. GIET is also approved Nodal Center for running skill development courses under Pradhan Mantri Kaushal Vikas Yojana.

It is to humbly invite you to Speaker for Bridge Course on **Production Drawing Practice(PDP)** in the Institution for our students of ME-III Sem, which is undertaken for students benefit as a value addition to curriculum of course.

I on behalf of the students of department of Mechanical Engineering request you grace the occasion as Speaker on 13/06/2016 to 17/06/2016 At College Campus Moinabad to take a Session on "**Production Drawing Practice(PDP)**".

It is humbly requested to accept our invitation.

Thank you for your time and consideration.



Yours sincerely

P.K. Subhramanian
Principal

PRINCIPAL

Global Institute of Engg. & Tech
Chilukur (V), Moinabad (M)
R. R. Dist



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Secretary :

K.M. ARIFUDDIN B.A., LL.M

Principal:

Lr.No: GIET/ME/Brdg Cour/003(a)/06/2016-17

To

Date 09/06/2016

Mr. Shankar S

Asst. Professor

Dept.of Mechanical Engineering

CMREC Hyderabad.

Respected Sir,

**SUB: Invitation as a Speaker for Bridge Course on 'Production Drawing Practice(PDP)''-Reg
Academic Year: 2016-17**

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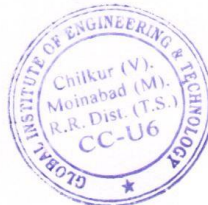
Global Institute of Engineering and Technology is managed by Madina Education and Welfare Society which is a four decades old society. Global Institute of Engineering and Technology offers B.Tech in Civil Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Mechanical Engineering, Computer Science and Engineering and Masters in Embedded Systems, Electrical Power Engineering, Computer Science and Engineering, Structural Engineering and MBA. GIET is also approved Nodal Center for running skill development courses under Pradhan Mantri Kaushal Vikas Yojana.

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K.M. ARIFUDDIN B.A., LL.M

Principal:

Lr.No: GIET/ME/Brdg Cour/004(a)/05/2016-17

Date 17/06/2016

To

Mr. P K Subhramanian

Associate Professor,

MGIT, Hyderabad.

SUB: Thanking for accepting invitation as a Speaker- Reg.

Respected Sir,


With all our due respect, we would like to thank you for your kind acceptance of invitation as a Speaker for Bridge Course on "**Production Drawing Practice**". Presence of a Speaker like you certainly will enhance the moral of our students and give them a new perspective on this topic.

It would be a pleasure to have you with us in this course and for our students to extract maximum possible information. Hope you will have a great time with us.

Thanking you.



Yours Sincerely


Principal
PRINCIPAL
Global Institute of Engg. & Tech.
Chilkur (V), Moinabad (M)
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K.M. ARIFUDDIN B.A., LL.M

Principal:

Lr.No: GIET/ME/Brdg Cour/004(b)/05/2016-17

Date 17/06/2016

To

Mr. Shankar S

Asst. Professor

Dept.of Mechanical Engineering

CMREC Hyderabad.

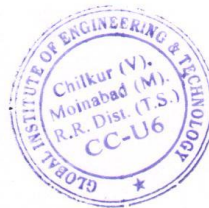
Respected Sir,

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Thanking you



Yours Sincerely,

P. Y. S. 17/6/16
Principal
GIET

Principal
Global Institute of Engg. & Tec.
Chilkur (V), Moinabad (M)
R. R. Dist



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Lr.No: GIET/ME/Brdg Cour/005/05/2016-17

Date 9/06/2016

To
The Convener
Co curricular Committee
GIET

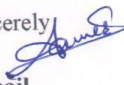
Respected Sir,

SUB: Information on Bridge Course on 'Production Drawing Practice' - Reg.

This is to inform you that the Department of Mechanical Engineering is going to conduct Bridge Course on 'Production Drawing Practice' for ME-III Sem (A.Y. 2016-17) students from 13/06/2016 to 17/06/2016 in Room No.65

Thanking You.

Yours Sincerely


Mr. A Sohail
Course Coordinator
Assistant Professor-Department of ME
Global Institute of Engineering & Technology

Cc to

Head - for information and filing.

Principal- for information

Coordinator IQAC - for information



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Department of Mechanical Engineering

Mr. Suryakanth M Patil

B.Tech, M.Tech

Associate Professor & Head

Lr.No: GIET/ME/Brdg Cour/006/07/2016-17

Date 10/06/2016

CIRCULAR

All the students of ME-III Sem are informed to express their interest by enrolling their name for the One week Bridge course on “**Production Drawing Practice**” starting from 13/06/2016 to 17/06/2016 . The detailed syllabus for the course is attached for your information. Concerned mentors are instructed to submit the list of students enrolled within two days to the undersigned. For further information, you can contact the Course Coordinator.


H.O.D

HEAD

Department of Mechanical Engg.
Global Institute of Engineering & Technology
Chilkur (V), Moinabad(M), R.R. Dist.T.S.-501504.

Cc to :

Principal – *for information*

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Notice board

File



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Department of Mechanical Engineering

COURSE SYLLABUS FOR “PRODUCTION DRAWING PRACTICE”

| S.no | Topics to delivered | Duration Class work +Lab Practice (in hours) |
|------|---|--|
| 1 | Conventional Representation Of Materials ➤ Limits, Fits And Tolerances | 6 |
| 2 | Form And Positional Tolerances | 6 |
| 3 | Surface Roughness And Its Indications. | 6 |
| 4 | Detailed And Part Drawings | 6 |
| 5 | Production Drawing Practice | 6 |


Coordinator


H.O.D

HEAD
Department of Mechanical Engg
Global Institute of Engineering & Technology
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EAMCET Code- GLOB

Department of Mechanical Engineering

LIST OF STUDENTS ENROLLED FOR BRIDGE COURSE

ACADEMIC YEAR: 2016-2017

| S.No | Roll no | Name of the student | Year | Dept |
|------|------------|-----------------------------------|------|------|
| 1 | 15U61A0301 | ALTAMASH USMANI | II | ME |
| 2 | 15U61A0302 | ANSARI JAMALUDDIN MOHAMMADARIF | II | ME |
| 3 | 15U61A0304 | FAISAL KAMAR | II | ME |
| 4 | 15U61A0305 | IMRAN MEHEDI MASUD | II | ME |
| 5 | 15U61A0306 | IQBAL HOSSAIN | II | ME |
| 6 | 15U61A0309 | M.A. SHOAEB | II | ME |
| 7 | 15U61A0310 | MD HOMAM QUAMER | II | ME |
| 8 | 15U61A0312 | MD MAKHDUM SHAH | II | ME |
| 9 | 15U61A0313 | MD. MOBASHIR RAHMAN | II | ME |
| 10 | 15U61A0315 | MOHAMMED IBRAHIM | II | ME |
| 11 | 15U61A0317 | MOHD JUNAID | II | ME |
| 12 | 15U61A0318 | MOHD MAZHER UDDIN | II | ME |
| 13 | 15U61A0320 | RAMKEWAL MAURYA | II | ME |
| 14 | 15U61A0322 | SHAIK SHAROOQ | II | ME |
| 15 | 15U61A0324 | SHAMSHAD ALAM | II | ME |
| 16 | 15U61A0325 | SONU SETH | II | ME |
| 17 | 15U61A0328 | SYED MAJID ALI | II | ME |
| 18 | 15U61A0329 | SYED SIRAJULLAH HUSSAINI | II | ME |
| 19 | 16U65A0301 | DADIGE SRINU | II | ME |
| 20 | 16U65A0302 | DURGAM PRASHANTH | II | ME |
| 21 | 16U65A0304 | HAMILPUR BALA KRISHNA | II | ME |
| 22 | 16U65A0305 | KALVA NIKHIL | II | ME |
| 23 | 16U65A0306 | MAJJI LEELA BHASKAR | II | ME |
| 24 | 16U65A0307 | MD. RIZWAN | II | ME |
| 25 | 16U65A0308 | NIMMALA AKHIL | II | ME |
| 26 | 16U65A0309 | NOUPADA SYAMSUNDARARAO | II | ME |


Coordinator


HEAD
Department of Mechanical Engg
H.O.D
Global Institute of Engineering & Technology
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EAMCET Code-

Department of Mechanical Engineering

Attendance Sheet of Bridge course on " Production Drawing Practice"

| S. NO | H.T.No | NAME OF THE PARTICIPANT | Year | Dept | 13/06/2016 | 14/6/2016 | 15/6/2016 | 16/6/2016 | 17/6/2016 | Total | Percentage |
|-------|------------|-----------------------------------|------|------|------------|-----------|-----------|-----------|-----------|-------|------------|
| 1 | 15U61A0301 | ALTAMASH USMANI | II | ME | 6 | 6 | 6 | 6 | 6 | 30 | 100 |
| 2 | 15U61A0302 | ANSARI JAMALUDDIN MOHAMMADARIF | II | ME | 6 | 6 | 6 | 6 | 6 | 30 | 100 |
| 3 | 15U61A0304 | FAISAL KAMAR | II | ME | 6 | 6 | 6 | 6 | 0 | 24 | 80 |
| 4 | 15U61A0305 | IMRAN MEHEDI MASUD | II | ME | 6 | 6 | 6 | 6 | 6 | 30 | 100 |
| 5 | 15U61A0306 | IQBAL HOSSAIN | II | ME | 6 | 6 | 6 | 6 | 6 | 30 | 100 |
| 6 | 15U61A0309 | M.A. SHOAEB | II | ME | 6 | 6 | 6 | 6 | 6 | 30 | 80 |
| 7 | 15U61A0310 | MD HOMAM QUAMER | II | ME | 6 | 0 | 6 | 6 | 6 | 24 | 80 |
| 8 | 15U61A0312 | MD MAKHDUM SHAH | II | ME | 6 | 6 | 6 | 6 | 0 | 24 | 80 |
| 9 | 15U61A0313 | MD. MOBASHIR RAHMAN | II | ME | 6 | 6 | 6 | 6 | 6 | 30 | 100 |
| 10 | 15U61A0315 | MOHAMMED IBRAHIM | II | ME | 6 | 6 | 6 | 6 | 6 | 30 | 100 |
| 11 | 15U61A0317 | MOHD JUNAID | II | ME | 6 | 0 | 6 | 6 | 6 | 24 | 80 |
| 12 | 15U61A0318 | MOHD MAZHER UDDIN | II | ME | 6 | 6 | 6 | 6 | 6 | 30 | 100 |
| 13 | 15U61A0320 | RAMKEWAL MAURYA | II | ME | 6 | 6 | 6 | 0 | 6 | 24 | 80 |
| 14 | 15U61A0322 | SHAIK SHAROOQ | II | ME | 6 | 6 | 6 | 6 | 6 | 30 | 100 |
| 15 | 15U61A0324 | SHAMSHAD ALAM | II | ME | 6 | 6 | 6 | 6 | 6 | 30 | 100 |
| 16 | 15U61A0325 | SONU SETH | II | ME | 6 | 6 | 6 | 6 | 6 | 30 | 100 |
| 17 | 15U61A0328 | SYED MAJID ALI | II | ME | 6 | 6 | 0 | 6 | 6 | 24 | 80 |
| 18 | 15U61A0329 | SYED SIRAJULLAH HUSSAINI | II | ME | 6 | 6 | 0 | 6 | 6 | 24 | 80 |
| 19 | 16U65A0301 | DADIGE SRINU | II | ME | 6 | 6 | 0 | 6 | 6 | 24 | 80 |
| 20 | 16U65A0302 | DURGAM PRASHANTH | II | ME | 6 | 6 | 0 | 6 | 6 | 24 | 80 |
| 21 | 16U65A0304 | HAMILPUR BALA KRISHNA | II | ME | 6 | 6 | 6 | 6 | 6 | 30 | 100 |
| 22 | 16U65A0305 | KALVA NIKHIL | II | ME | 6 | 6 | 6 | 6 | 6 | 30 | 100 |
| 23 | 16U65A0306 | MAJJI LEELA BHASKAR | II | ME | 6 | 6 | 6 | 6 | 6 | 30 | 100 |
| 24 | 16U65A0307 | MD. RIZWAN | II | ME | 6 | 6 | 0 | 6 | 6 | 24 | 80 |
| 25 | 16U65A0308 | NIMMALA AKHIL | II | ME | 6 | 6 | 6 | 6 | 6 | 30 | 100 |
| 26 | 16U65A0309 | NOUPADA SYAMSUNDARA | II | ME | 6 | 6 | 0 | 6 | 6 | 24 | 80 |


Coordinator

H.O.D


HEAD

Department of Mechanical Engg
Global Institute of Engineering & Technology
Chilkur (V), Moinabad(M), R.R. Dist.T.S. 50159



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Department of Mechanical Engineering

Mr. Suryakanth M Patil

B.Tech, M.Tech

Associate Professor & Head

Lr.No: GIET/ME/Brdg Cour/006/07/2016-17

Date 10/06/2016

CIRCULAR

All the students of ME-III Sem are informed to express their interest by enrolling their name for the One week Bridge course on “**Production Drawing Practice**” starting from 13/06/2016 to 17/06/2016 . The detailed syllabus for the course is attached for your information. Concerned mentors are instructed to submit the list of students enrolled within two days to the undersigned. For further information, you can contact the Course Coordinator.


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Department of Mechanical Engineering

Bridge Course

On

ANSYS

(13th June – 17th June 2016)

PROGRAMME SCHEDULE

| | Forenoon (FN) | | Afternoon(AN) |
|-------------|---|---|--|
| Day1 | INAUGURATION | Conventional Representation Of Materials > Limits, Fits And Tolerances Mr. P K Subhramanian Associate Professor, MGIT, Hyderabad | Conventional Representation Of Materials Limits, Fits And Tolerances Practice Session |
| Day2 | Form And Positional Tolerances Mr. Shankar S Asst. Professor Dept. of Mechanical Engineering CMREC Hyderabad. | | Form And Positional Tolerances Practice Session |
| Day3 | Surface Roughness And Its Indications. Mr. P K Subhramanian Associate Professor, MGIT, Hyderabad | | Surface Roughness And Its Indications. Practice Session |
| Day4 | Detailed And Part Drawings Mr. Shankar S Asst. Professor Dept. of Mechanical Engineering CMREC Hyderabad. | | Detailed And Part Drawings Practice Session |
| Day5 | Conclusion About Production Drawing Practice Mr. P K Subhramanian Associate Professor, MGIT, Hyderabad | | - |

Co- Ordinator
 Ms.G Tejaswi
 Assistant Professor
 Department of ME



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Department of Mechanical Engineering

Bridge Course

On

ANSYS

(13th June - 17th June 2016)

FEEDBACK FORM

Please evaluate your rating of the course by placing a tick in the appropriate box.

1. Poor 2. Satisfactory 3. Good 4. Very good 5. Excellent

Branch and Year:

Mechanical Engg II

Date:

17 June 16

| ASPECTS | RATING | | | | |
|---|-------------------------------------|-------------------------------------|-----------|-------------------|-----------|
| | Excellent 5 | Very good 4 | Good 3 | Satisfactory 2 | Poor 1 |
| Relevance of contents | <input checked="" type="checkbox"/> | | | | |
| Trainer was knowledgeable and skillful | <input checked="" type="checkbox"/> | | | | |
| Quality of input provided | <input checked="" type="checkbox"/> | | | | |
| Quality of presentations | | <input checked="" type="checkbox"/> | | | |
| Adherence to the time schedule | <input checked="" type="checkbox"/> | | | | |
| Opportunity given to participant to clear doubts | <input checked="" type="checkbox"/> | | | | |
| Identify ways to build on current skills and knowledge | <input checked="" type="checkbox"/> | | | | |
| Overall learning experience | <input checked="" type="checkbox"/> | | | | |
| How has the course enhanced your skills or understanding of this topic? | <i>Excellent</i> | | | | |
| Specify problems faced by you during the course? | <i>No problems</i> | | | | |
| Any Other Comments: | <i>—</i> | | | | |

Principal
Department of Mechanical Engg
Global Institute of Engineering & Technology
Chilkur (V), Moinabad (M), R.R. Dist. T.S - 501 504.

Bridge Course
On
Production Drawing Practice

| S.No | Roll Number | Name of the Participant | Programme | Year | ATTENDANCE SHEET | | | | | | | | | | | | | | | | | |
|------|-------------|--------------------------|-----------|------|-----------------------|----|-----------------------|----|-----------------------|----|-----------------------|----|-----------------------|----|---|---|---|---|---|---|---|---|
| | | | | | Day-1 (13/06/2016) | | Day-2 (14/06/2016) | | Day-3 (15/06/2016) | | Day-4 (16/06/2016) | | Day-5 (17/06/2016) | | | | | | | | | |
| | | | | | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN | | | | | | | | |
| 1 | 15U61A0301 | ALTAMASH USMANI | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 2 | 15U61A0302 | ANSARI JAMALUDDIN | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 3 | 15U61A0304 | MOHAMMADARIF | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 4 | 15U61A0305 | FAISAL KAMAR | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 5 | 15U61A0306 | IMRAN MEHEDI MASUD | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 6 | 15U61A0309 | IQBAL HOSSAIN | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 7 | 15U61A0310 | M.A. SHOAEB | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 8 | 15U61A0312 | MD HOMAM QUAMER | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 9 | 15U61A0318 | MD MAKHDUM SHAH | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 10 | 15U61A0313 | MD. MOBASHIR RAHMAN | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 11 | 15U61A0315 | MOHAMMED IBRAHIM | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 12 | 15U61A0317 | MOHD JUNAID | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 13 | 15U61A0318 | MOHD MAZHER UDDIN | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 14 | 15U61A0320 | RAMKEWAL MAURYA | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 15 | 15U61A0322 | SHAIK SHAROOQ | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 16 | 15U61A0324 | SHAMSHAD ALAM | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 17 | 15U61A0325 | SONU SETH | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 18 | 15U61A0328 | SYED MAJID ALI | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 19 | 15U61A0329 | SYED SIRAJULLAH HUSSAINI | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 20 | 16U65A0301 | DADIGE SRINU | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 21 | 16U65A0302 | DURGAM PRASHANTH | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 22 | 16U65A0304 | HAMILPUR BALA KRISHNA | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 23 | 16U65A0305 | KALVA NIKHIL | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 24 | 16U65A0306 | MAJHI LEELA BHASKAR | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 25 | 16U65A0307 | MD. RIZWAN | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 26 | 16U65A0308 | NIMMALA AKHIL | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 27 | 16U65A0309 | NOUPADA SYAMSUNDARARAO | B.Tech | II | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |



GLOBAL INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE & Affiliated to JNTUH)

Survey No. 179, Chilkur (V), Moinabad (M), Ranga Reddy Dist. TS.

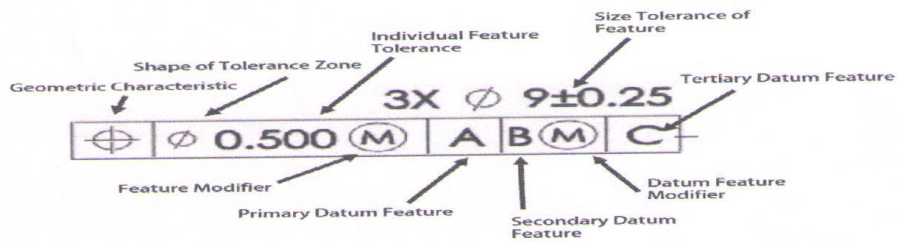
Phone: 08417-252233 / 253021

e-mail: principal.giet.u6@gmail.com

JNTUH Code(U6) CIVIL - CSE - MECH - ECE - EEE - MBA - M.Tech. EAMCET Code- GLOB

Department of Mechanical Engineering

Bridge Course On "PRODUCTION DRAWING PRACTICE"



4) FLANGE HOUSING PLATE
MATERIAL - CR 316 STAINLESS STEEL

| | | | | |
|------|----|---------|----------|--|
| DATE | BY | CHECKED | APPROVED | |
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| ENGINEERING GRAPHICS & DESIGN | |
| Scale: 1:1 | Sheet No: 1 of 1 |
| Drawing No: FLH005019-1 | Project No: |

Department of Mechanical Engg
 Global Institute of Engineering & Technology
 Chilkur (V), Moinabad (M), R.R. Dist. T.S.-501504.

About Bridge Course: The Bridge Course is aimed to act as a buffer for the new entrants, with an objective to provide adequate time for the transition to hard-core engineering courses. During this interaction of bridge course week with the faculty and their classmates, the students will be equipped with the knowledge and the confidence needed to take on bigger challenges as future engineers of this country.

Objectives:

- To act as a buffer for the new entrants.
- To provide adequate time for the transition to hard-core engineering courses.
- Focus on fostering a strong sense of ethical judgment and moral fortitude.
- Applications based self-learning and intermingling of a large cross section of students from vastly varying backgrounds.
- A breather, to prepare themselves before courses for first year engineering commence.
- The students will be equipped with the knowledge and the confidence needed to take on bigger challenges.
- Nurture a deeper understanding of the local and global world and our place in it as concerned citizens of the world.
- Interactive and Active Learning by Doing have been weaved into the Bridge Course.
- Active learning with the help of other students

Unit- 1

Production Drawing:

A production drawing, also referred to as working drawing, should furnish all the dimensions, Limits and special finishing processes such as heat treatment, honing, lapping, and surface finish, etc., to guide the craftsman on the shop floor in producing the component.

Conventional Drawing:

Certain draughting conventions are used to represent materials in section and machine elements in engineering drawings.

Material:

As a variety of materials are used for machine components in engineering applications, it is preferable to have different conventions of section lining to differentiate between various materials. The recommended conventions in use are shown in below Fig 1.



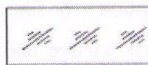




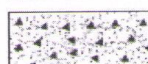
| Type | Convention | Material |
|---------------------------------|---|--|
| Metals |  | Steel, Cast Iron, Copper and its Alloys, Aluminium and its Alloys, etc. |
| |  | Lead, Zinc, Tin, White-metal, etc. |
| Glass |  | Glass |
| Packing and Insulating material |  | Porcelain, Stoneware, Marble, Slate, etc. |
| |  | Asbestos, Fibre, Felt, Synthetic resin products, Paper, Cork, Linoleum, Rubber, Leather, Wax, Insulating and Filling materials, etc. |
| Liquids |  | Water, Oil, Petrol, Kerosene, etc. |
| Wood |  | Wood, Plywood, etc. |
| Concrete |  | A mixture of Cement, Sand and Gravel |

Fig 1: Conventional representation of materials