**V.R. SIDDHARTHA ENGINEERING COLLEGE: VIJAYAWADA – 7(Autonomous)**
**DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING**

**Dt.11.01.2021**

**Subject Code/Name: 17EI3304 – Sensors and Transducers, Sec-B**
**Class: II Year, III Semester**
**Academic Year: 2020-21**
**Faculty Name: P. Durgaprasadarao, Assistant. Professor**

**Slow learners list based on A-I Marks (Below 5 )**

| S.No. | Regd. Number | Name | Marks | Section(B) |
|---|---|---|---|---|
| 1 | 198W1A1041 | Buchi.Sasidhar Reddy | 3.5 | B |
| 2 | 198W1A1054 | Pallevada.Yuva Teja | 2 | B |
| 3 | 198W1A1064 | Sankuru.Rakesh | Absent | B |
| 4 | 198W1A1067 | S.Viajaya Sai Dinesh | 5 | B |
| 5 | 208W5A1017 | A.Sai Chandra Sekhar | 4 | B |
| 6 | 208W5A1023 | M.Purna Jayanthi | 4 | B |

P. Durgaprasadarao, Asst.Prof.

**V.R. SIDDHARTHA ENGINEERING COLLEGE: VIJAYAWADA – 7(Autonomous)**
**DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING**

**Dt.:11.01.21**

## QUALITY CIRCLES (Remedial classes based on A-I marks)

**Name of the QC group: EIE quality circle – Second year (2/4 Sec-B)**
**Subject: 17EI3304 – Sensors and Transducers**
**Academic Year: 2020-21**
**Faculty Name: P. Durgaprasadarao, Asst.Prof.**

| S. No | QC leaders | Potential Members | Meeting schedule | Topics covered |
|---|---|---|---|---|
| 1 | **198W1A1052** | 198W1A1041<br>198W1A1054<br>198W1A1064<br>198W1A1067<br>208W5A1017<br>208W5A1023 | **Dates: 11.01.2021**<br>**Time: 8.40 to 9.30**<br><br>**Date: 12.01.2021**<br>**Time: 11.30 AM to 1 PM** | **Date: 11.01.21**<br>• Expression for gauge factor of strain gauge.<br>• Construction details of Different Strain Gauges<br>**Date: 12.01.21**<br>• operating principle of photovoltaic cell<br>• Working principle of Piezoelectric Transducers<br>• Working Principle of Inductive and Capacitive Transducers |

P. Durga Rao

(P.Durgaprasadarao)

**V.R.SIDDHARTHA ENGINEERING COLLEGE: VIJAYAWADA – 7(Autonomous)**
**DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING**

**Dt.:11.01.2021**

**Remedial classes (Quality circles) Attendance statement of slow learners based on A-I Marks**

| S. No. | Regd. Number | Section (A/B) | Marks obtained | Student Signature | |
|---|---|---|---|---|---|
| | | | | 11.01.2021 | 12.01.2021 |
| 1 | 198W1A1041 | B | 3.5 | | |
| 2 | 198W1A1054 | B | 2 | P.Yuvateja | P.Yuvateja. |
| 3 | 198W1A1064 | B | Absent | (A) | (A) |
| 4 | 198W1A1067 | B | 5 | A | A |
| 5 | 208W5A1017 | B | 4 | A.Sc Shekar | A.Sc Shekar |
| 6 | 208W5A1023 | B | 4 | M.Poorna Jayanthi | M.Poorna Jayanthi |

(P.Durgaprasadarao)

**V.R.SIDDHARTHA ENGINEERING COLLEGE: VIJAYAWADA – 7(Autonomous)**
**DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING**

**Dt.:05.02.21**

**Outcome of quality circles in I-Mid-term examination of 17EI3304**

| S. No. | Regd. Numbers | Section (A/B) | Marks obtained In A-I | Marks obtained in I-Mid term | Outcome of quality circles |
|---|---|---|---|---|---|
| 1 | 198W1A1041 | B | 3.5 | 4 | Scored below 50% marks |
| 2 | 198W1A1054 | B | 2 | 5 | Scored below 50% marks |
| 3 | 198W1A1064 | B | Absent | Absent | **Not measured due to absent** |
| 4 | 198W1A1067 | B | 5 | Absent | **Not measured due to absent** |
| 5 | 208W5A1017 | B | 4 | 8.5 | **Scored above 50% marks** |
| 6 | 208W5A1023 | B | 4 | 10.5 | **Scored above 50% marks** |

**Remarks:**

1. Out of 05 students, 02 students secured above or equal to 50% marks in I Midterm examination due to quality circle methodology.
2. Based on the outcome of quality circles methodology, the same methodology is adopted for slow learners in I Midterm examination with modifications in student mentors.

(P.Durgaprasadarao)

**V.R. SIDDHARTHA ENGINEERING COLLEGE: VIJAYAWADA – 7(Autonomous)**
**DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING**

**Dt.03.02.2021**

**Subject Code/Name: 17EI3304 – Sensors and Transducers, Sec-B**
**Class: II Year, III Semester**
**Academic Year: 2020-21**
**Faculty Name: P. Durgaprasadarao, Assistant. Professor**

**Slow learners list based on S-I Marks (Below 6 )**

| S.No. | Regd. Number | Name | Marks | Section(B) |
|---|---|---|---|---|
| 1 | 198W1A1041 | Buchi.Sasidhar Reddy | 4 | B |
| 2 | 198W1A1054 | Pallevada.Yuva Teja | 5 | B |
| 3 | 198W1A1064 | Sankuru.Rakesh | Absent | B |

P. Durgaprasadarao, Asst.Prof.

**V.R. SIDDHARTHA ENGINEERING COLLEGE: VIJAYAWADA – 7(Autonomous)**
**DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING**

**Dt.:08.02.21**

## QUALITY CIRCLES (Remedial classes based on S-I marks)

**Name of the QC group: EIE quality circle – Second year (2/4 Sec-B)**
**Subject: 17EI3304 – Sensors and Transducers**
**Academic Year: 2020-21**
**Faculty Name: P. Durgaprasadarao, Asst.Prof.**

| S. No | QC leaders | Potential Members | Meeting schedule | Topics covered |
|---|---|---|---|---|
| 1 | **198W1A1052** | 198W1A1041<br>198W1A1054<br>198W1A1064 | **Dates: 08.02.2021 Time: 1.30 PM to 2.30 PM**<br><br>**Date: 09.02.2021 Time: 1.30 PM to 2.30 PM**<br><br>**Date: 10.02.2021 Time: 1.30 PM to 2.30 PM** | **Date: 11.01.21**<br>• Flapper Nozzle Displacement Transducers<br>• Digital Displacement transducers<br><br>**Date: 12.01.21**<br>• Electromagnetic Tachometers<br>• Encoders<br><br>**Date: 10.02.2021**<br>• Accelerometers |

P. Durgaprasadarao
(P.Durgaprasadarao)

**V.R.SIDDHARTHA ENGINEERING COLLEGE: VIJAYAWADA – 7(Autonomous)**
**DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING**

**Dt.:11.01.2021**

**Remedial classes (Quality circles) Attendance statement of slow learners based on S-I Marks**

| S. No. | Regd. Number | Section (A/B) | Marks obtained | Student Signature | | |
|---|---|---|---|---|---|---|
| | | | | 08.02.2021 | 09.02.2021 | 10.02.2021 |
| 1 | 198W1A1041 | B | 4 | BSR | BSR | BSR |
| 2 | 198W1A1054 | B | 5 | P.Yuvateja | P.Yuvateja | P.Yuvateja |
| 3 | 198W1A1064 | B | Absent | A | A | A |

(P.Durgaprasadarao)

**V.R. SIDDHARTHA ENGINEERING COLLEGE: VIJAYAWADA – 7(Autonomous)**
**DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING**

**Dt.:08.02.21**

## QUALITY CIRCLES (Remedial classes based on S-I marks)

**Name of the QC group: EIE quality circle – Second year (2/4 Sec-B)**
**Subject: 17EI3304 – Sensors and Transducers**
**Academic Year: 2020-21**
**Faculty Name: P. Durgaprasadarao, Asst.Prof.**

| S. No | QC leaders | Potential Members | Meeting schedule | Topics covered |
|---|---|---|---|---|
| 1 | **198W1A1052** | 198W1A1041<br>198W1A1054<br>198W1A1064 | **Dates: 08.02.2021 Time: 1.30 PM to 2.30 PM**<br><br>**Date: 09.02.2021 Time: 1.30 PM to 2.30 PM**<br><br>**Date: 10.02.2021 Time: 1.30 PM to 2.30 PM** | **Date: 11.01.21**<br>• Flapper Nozzle Displacement Transducers<br>• Digital Displacement transducers<br><br>**Date: 12.01.21**<br>• Electromagnetic Tachometers<br>• Encoders<br><br>**Date: 10.02.2021**<br>• Accelerometers |

(P.Durgaprasadarao)

**V.R.SIDDHARTHA ENGINEERING COLLEGE: VIJAYAWADA – 7(Autonomous)**
**DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING**

**Dt.:19.02.19**

**Outcome of quality circles in I-Mid-term examination of 14EI3701**

| S. No. | Regd. Numbers | Section (A/B) | Marks obtained In I-Mid term | Marks obtained in A-II | Outcome of quality circles |
|---|---|---|---|---|---|
| 1 | 198W1A1041 | B | 4 | 8 | Scored above 50% marks |
| 2 | 198W1A1054 | B | 5 | 7.5 | Scored above 50% marks |
| 3 | 198W1A1064 | B | Absent | A | **Not measured due to absent** |

**Remarks:**

1. Out of 03 students, 02 students secured above or equal to 50% marks in A-II examination due to quality circle methodology.
2. Based on the outcome of quality circles methodology, the same methodology is adopted for slow learners in A-II examination with modifications in student mentors.

P Durgaprasadarao

(P.Durgaprasadarao)

**V.R. SIDDHARTHA ENGINEERING COLLEGE: VIJAYAWADA – 7(Autonomous)**
**DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING**

**Dt.20.02.2021**

**Subject Code/Name: 17EI3304 – Sensors and Transducers, Sec-B**
**Class: II Year, III Semester**
**Academic Year: 2020-21**
**Faculty Name: P. Durgaprasadarao, Assistant. Professor**

**Slow learners list based on A-II-Marks (Below 5 )**

| S.No. | Regd. Number | Name | Marks | Section(B) |
|---|---|---|---|---|
| 1 | 198W1A1057 | PAMU DEVI VARA PRASAD | 2.5 | B |
| 2 | 198W1A1064 | SANKURU RAKESH | Absent | B |
| 3 | 198W1A1067 | SIRAMASETTY VIJAYA SAI DINESH | 4 | B |
| 4 | 198W1A1075 | VENKATA BALARAM KRISHNA MURTHY ATTULURI | 2 | B |

P. Durgaprasadarao, Asst.Prof.

**V.R. SIDDHARTHA ENGINEERING COLLEGE: VIJAYAWADA – 7(Autonomous)**
**DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING**

**Dt.:22.02.21**

## QUALITY CIRCLES (Remedial classes based on A-II marks)

**Name of the QC group: EIE quality circle – Second year (2/4 Sec-B)**
**Subject: 17EI3304 – Sensors and Transducers**
**Academic Year: 2020-21**
**Faculty Name: P. Durgaprasadarao, Asst.Prof.**

| S. No | QC leaders | Potential Members | Meeting schedule | Topics covered |
|---|---|---|---|---|
| 1 | **198W1A1052** | 198W1A1057<br>198W1A1064<br>198W1A1067<br>198W1A1075 | **Dates: 22.02.2021 Time: 12.10 to 1.00PM**<br><br>**Dates: 23.02.2021 Time: 12.10 to 1.00PM**<br><br>**Dates: 24.02.2021 Time: 11.20 to 1.00PM**<br><br>**Dates: 25.02.2021 Time: 10.20 to 11.00 AM** | **Date: 22.02.2021**<br>• working principle of Hall effect sensor.<br>• configuration of a smart sensor<br><br>**Date: 23.02.2021**<br>• working principle of ultrasonic Doppler flow meter.<br>• fiber optic sensors in displacement measurement.<br><br>**Date: 23.02.2021**<br>• Polymer sensor<br>• Semiconductor gas detector<br><br>**Date: 23.02.2021**<br>• structure of biosensor.<br>• IR radiation sensor (IR Pyrometer) |

P. Durgaprasadarao

(P.Durgaprasadarao)

**V.R.SIDDHARTHA ENGINEERING COLLEGE: VIJAYAWADA – 7(Autonomous)**
**DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING**

**Dt.:13.03.21**

**Outcome of quality circles in II-Mid-term examination of 17EI3304**

| S. No. | Regd. Numbers | Section (A/B) | Marks obtained In A-II | Marks obtained in II-Mid term | Outcome of quality circles |
|---|---|---|---|---|---|
| 1 | 198W1A1057 | B | 2.5 | 5 | Scored below 50% marks |
| 2 | 198W1A1064 | B | Absent | Absent | **Not measured due to absent** |
| 3 | 198W1A1067 | B | 4 | 4 | Scored below 50% marks |
| 4 | 198W1A1075 | B | 2 | 3.5 | Scored below 50% marks |

**Remarks:**

1. Out of 04 students, no student secured above or equal to 50% marks in II Midterm examination. More no. of classes to be taken for slow learners.

(P.Durgaprasadarao)

Dt.25.06.2021

**II/IV B. Tech** **III semester** **Academic Year: 2020-21**

**Final Outcome of quality circles in Semester End examination of 17EI3304**

1. In I Assignment examination, number of slow learners who got less than 50% marks are 5. Out of 5 students, **2** students secured above or equal to 50% marks in I Midterm examination due to quality circle methodology.

2. In I midterm examination, number of slow learners (including absentees) who got less than 50% marks are **3**. Out of **3** students, **2** students secured above or equal to 50% marks in II Assignment examination due to quality circle methodology. 1 student was absent for examination due to health problems. Here the success rate was improved compared to I Mid Term examination.

3. In II Assignment examination, number of slow learners (including absentees) who got less than 50% marks are **4**. Out of **4** students, **no** student secured above or equal to 50% marks in II sessional examination due to less no. of remedial classes conducted.

4. In the semester end examination, out of **52** students, **50** students were passed **(96.15% Success rate).** This shows that there is an improvement in pass percentage due to the quality circles methodology.

5. Based on the final outcome of quality circles methodology, the same methodology can be adapted for slow learners in this course when offered.

(P.DURGAPRASADA RAO)