# Interactive learning methods - Active learning methods 

## Academic Year: 2017-2018, III Year-II Semester

Subject: Digital Communications, Section: III ECE-A
Activity Name: Stump your partner
Topic Name: Recalling Basics of Analog Communications

## Activity Description:

| S. | Topic Name | $\begin{array}{c}\text { Description of method }\end{array}$ | Outcome |
| :---: | :--- | :--- | :--- |
| No |  | $\begin{array}{l}\text { Basic Principles of } \\ \text { Communications } \\ \text { System }\end{array}$ | $\begin{array}{l}\text { i. Students take a minute to create } \\ \text { a challenging question based on } \\ \text { the lecture content up to the point. } \\ \text { ii. Students pose the question to the } \\ \text { persons sitting next to them. } \\ \text { iii. Ask students to write on their } \\ \text { questions and hand them in. These } \\ \text { questions can be used to create } \\ \text { tests or exams. }\end{array}$ | \(\left.\begin{array}{l}It is very useful <br>

to students to <br>
analyze <br>
different <br>
modulation <br>
techniques.\end{array}\right]\)

## Rubrics followed:

| S.N <br> O | Criteria | Scale of Assessment |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Satisfactory | Good | Excellent |
| 1 | Creativity | Unable to predict <br> problem outcomes <br> for the given input <br> data set. | Approximately <br> predicts and <br> Defends problem <br> outcomes. | Predict and defend <br> problem outcomes. |
| 2 | Response | Student is <br> uncomfortable with <br> information. Seems <br> novice and can <br> answer basic <br> questions only. | Student has <br> competent <br> knowledge and is at <br> ease with <br> information. Can <br> answer questions. | presented full <br> knowledge of both <br> problem and <br> solution. Answers <br> to questions are <br> strengthened by <br> rationalization and <br> explanation. |

## Evaluation Sheet:

| S.No | Hall ticket No | Marks Scored |  |
| :---: | :---: | :---: | :---: |
|  |  | Creativity (Max.10M) | Response (Max.10M) |
| 1 | 15K41A0401 | 08 | 07 |
| 2 | 15K41A0402 | 08 | 08 |
| 3 | 15K41A0403 | 08 | 06 |
| 4 | 15K41A0404 | 05 | 06 |
| 5 | 15K41A0405 | 05 | 05 |
| 6 | 15K41A0406 | 05 | 06 |
| 7 | 15K41A0407 | 06 | 05 |


| 8 | 15K41A0408 | 06 | 07 |
| :---: | :---: | :---: | :---: |
| 9 | 15K41A0409 | 07 | 08 |
| 10 | 15K41A0410 | 07 | 06 |
| 11 | 15K41A0411 | 08 | 06 |
| 12 | 15K41A0412 | 07 | 07 |
| 13 | 15K41A0413 | 07 | 08 |
| 14 | 15K41A0414 | 07 | 06 |
| 15 | 15K41A0415 | 06 | 07 |
| 16 | 15K41A0416 | 08 | 08 |
| 17 | 15K41A0417 | 06 | 07 |
| 18 | 15K41A0418 | 08 | 07 |
| 19 | 15K41A0419 | 08 | 08 |
| 20 | 15K41A0420 | 08 | 06 |
| 21 | 15K41A0421 | 05 | 06 |
| 22 | 15K41A0422 | 05 | 05 |
| 23 | 15K41A0423 | 05 | 06 |
| 24 | 15K41A0424 | 06 | 05 |
| 25 | 15K41A0425 | 06 | 07 |
| 26 | 15K41A0426 | 07 | 08 |
| 27 | 15K41A0427 | 07 | 06 |
| 28 | 15K41A0428 | 08 | 06 |
| 29 | 15K41A0429 | 07 | 07 |
| 30 | 15K41A0430 | 07 | 08 |
| 31 | 15K41A0431 | 07 | 06 |
| 32 | 15K41A0432 | 06 | 07 |
| 33 | 15K41A0433 | 08 | 08 |
| 34 | 15K41A0434 | 06 | 07 |
| 35 | 15K41A0435 | 08 | 07 |
| 36 | 15K41A0436 | 08 | 08 |
| 37 | 15K41A0437 | 08 | 06 |
| 38 | 15K41A0438 | 05 | 06 |
| 39 | 15K41A0439 | 05 | 05 |
| 40 | 15K41A0440 | 05 | 06 |
| 41 | 15K41A0441 | 06 | 05 |
| 42 | 15K41A0442 | 06 | 07 |
| 43 | 15K41A0443 | 07 | 08 |
| 44 | 15K41A0444 | 07 | 06 |
| 45 | 15K41A0445 | 08 | 06 |
| 46 | 15K41A0446 | 07 | 07 |
| 47 | 15K41A0447 | 07 | 08 |
| 48 | 15K41A0448 | 07 | 06 |
| 49 | 15K41A0449 | 06 | 07 |
| 50 | 15K41A0450 | 08 | 08 |
| 51 | 15K41A0451 | 06 | 07 |
| 52 | 15K41A0452 | 08 | 07 |
| 53 | 15K41A0453 | 08 | 08 |
| 54 | 15K41A0454 | 08 | 06 |
| 55 | 15K41A0455 | 05 | 06 |
| 56 | 15K41A0456 | 05 | 05 |
| 57 | 15K41A0457 | 05 | 06 |


| 58 | 15K41A0458 | 06 | 05 |
| :---: | :---: | :---: | :---: |
| 59 | 15K41A0459 | 06 | 07 |
| 60 | 15K41A0460 | 07 | 08 |
| 61 | 15K41A0461 | 07 | 06 |
| 62 | 15K41A0462 | 08 | 06 |
| 63 | 15K41A0463 | 07 | 07 |
| 64 | 15 K 41 A 0464 | 07 | 08 |
| 65 | 15K41A0465 | 07 | 06 |
| 66 | 15 K 41 A 0466 | 06 | 07 |

## Activity Pics:




Reflections:
1 High-level thinking is needed for this activity
2 This activity takes more time to complete.
3 The performance of students in this activity can be improved by asking the students to prepare a question on given topic before attending activity.

Academic Year: 2017-2018, II Year-II Semester
Subject: Linear Integrated Circuits and Applications
Section: II ECE-B
Activity Name: Jigsaw
Topic Name: ADC and DAC specifications
Activity Description

| S. | Topic Name | Description of method | Outcome |
| :---: | :---: | :---: | :---: |
| No |  |  |  |


| 1 | ADC and DAC <br> specifications | i. Students are divided into teams, <br> each team consists of six members. <br> ii. Every team is given with different <br> set of question covering the entire <br> topic. <br> iii. Each team prepares their <br> assigned topics <br> iv. The teams shuffled to form new <br> teams, consisting of one student <br> from the previous teams.so, that the <br> shuffled teams are expertise in all <br> the questions. <br> v. Now the teams are ready with all <br> the solutions. Now they discuss <br> among them. | There was an <br> emphasis to <br> learn and <br> explain at the <br> same moment, <br> so students <br> were bound to <br> understand the <br> concepts <br> without wasting <br> their time. <br> Almost all were <br> able to answer <br> the questions <br> based on that <br> activity. |
| :---: | :--- | :--- | :--- |

## Rubrics

| $\begin{array}{\|l} \hline \text { S.N } \\ \mathbf{o} \end{array}$ | Criteria | Scale of Assessment |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Satisfactory $(0-5 \mathrm{M})$ | Good <br> (6-8M) | Excellent $(9-10 M)$ |
| 1 | Team work | Distracts or discourages other group members from solving problems. | Cooperates with other group members in a reasonable manner | Actively engages and cooperates with other group members in an effective manner. |
| 2 | Presentation skills | Less relevant content, poor coherence with inadequate illustrations. | More relevant content, moderate coherence with less illustrations | More relevant content, good coherence with adequate illustrations. |
| 3 | Answering ability | Student is uncomfortable with information. Seems novice and can | Student has competent knowledge and is at ease with information. | Student has presented full knowledge of both problem |


|  |  | answer basic <br> questions only. | Can answer <br> questions. | and solution. <br> Answers to <br> questions are <br> strengthened <br> by <br> rationalizatio <br> n and <br> explanation. |
| :--- | :--- | :--- | :--- | :--- |

## Evaluation Sheet:

| S.No | Hall ticket No | Marks Scored |  |
| :---: | :---: | :---: | :---: |
|  |  | Creativity (Max.10M) | Response (Max.10M) |
| 1 | Roll No | 08 | 07 |
| 2 | 16K41A0402 | 08 | 08 |
| 3 | 16K41A0404 | 08 | 06 |
| 4 | 16K41A0407 | 05 | 06 |
| 5 | 16K41A0410 | 05 | 05 |
| 6 | 16 K 41 A 0413 | 05 | 06 |
| 7 | 16K41A0414 | 06 | 05 |
| 8 | 16K41A0417 | 06 | 07 |
| 9 | 16K41A0418 | 07 | 08 |
| 10 | 16K41A0421 | 07 | 06 |
| 11 | 16K41A0421 | 08 | 06 |
| 12 | 16K41A0424 | 07 | 07 |
| 13 | 16K41A0425 | 07 | 08 |
| 14 | 16K41A0427 | 07 | 06 |
| 15 | 16K41A0429 | 06 | 07 |
| 16 | 16K41A0430 | 08 | 08 |
| 17 | 16K41A0431 | 06 | 07 |
| 18 | 16K41A0432 | 08 | 07 |
| 19 | 16K41A0435 | 08 | 08 |
| 20 | 16K41A0437 | 08 | 06 |
| 21 | 16K41A0438 | 05 | 06 |
| 22 | 16K41A0441 | 05 | 05 |
| 23 | 16K41A0442 | 05 | 06 |
| 24 | 16K41A0443 | 06 | 05 |
| 25 | 16K41A0444 | 06 | 07 |
| 26 | 16K41A0445 | 07 | 08 |
| 27 | 16K41A0447 | 07 | 06 |
| 28 | 16K41A0451 | 08 | 06 |
| 29 | 16K41A0452 | 07 | 07 |
| 30 | 16K41A0455 | 07 | 08 |
| 31 | 16K41A0464 | 07 | 06 |
| 32 | 16K41A0467 | 06 | 07 |
| 33 | 16K41A0469 | 08 | 08 |


| 34 | 16K41A0471 | 06 | 07 |
| :---: | :---: | :---: | :---: |
| 35 | 16K41A0473 | 08 | 07 |
| 36 | 16K41A0474 | 08 | 08 |
| 37 | 16K41A0476 | 08 | 06 |
| 38 | 16K41A0477 | 05 | 06 |
| 39 | 16K41A0480 | 05 | 05 |
| 40 | 16K41A0481 | 05 | 06 |
| 41 | 16K41A0482 | 06 | 05 |
| 42 | 16K41A0485 | 06 | 07 |
| 43 | 16K41A0488 | 07 | 08 |
| 44 | 16K41A0492 | 07 | 06 |
| 45 | 16K41A0493 | 08 | 06 |
| 46 | 16K41A0495 | 07 | 07 |
| 47 | 16K41A04A0 | 07 | 08 |
| 48 | 16K41A04A1 | 07 | 06 |
| 49 | 16K41A04A6 | 06 | 07 |
| 50 | 16K41A04A7 | 08 | 08 |
| 51 | 16K41A04A9 | 06 | 07 |
| 52 | 16K41A04C1 | 08 | 07 |
| 53 | 16 K 41 A 04 C 2 | 08 | 08 |
| 54 | 16K41A04C4 | 08 | 06 |
| 55 | 16 K 41 A 04 C 8 | 05 | 06 |
| 56 | 16 K 41 A 04 C 8 | 05 | 05 |
| 57 | 16K41A04D0 | 05 | 06 |
| 58 | 16K41A04D2 | 06 | 05 |
| 59 | 16K41A04D7 | 06 | 07 |
| 60 | 16K41A04D8 | 07 | 08 |
| 61 | 16K41A04E2 | 07 | 06 |
| 62 | 16K41A04E5 | 08 | 06 |
| 63 | 16K41A04E9 | 07 | 07 |
| 64 | 16K41A04F0 | 07 | 08 |
| 65 | 16K41A04F1 | 07 | 06 |
| 66 | 16K41A04F6 | 06 | 07 |

## Activity pics :



## Reflections:

1.Most of the students are doing good performance in the activity, and few students are still facing problem in understanding of question.

Academic Year: 2017-2018, III Year-I Semester
Subject: MICRO PROCESSOR \& MICRO CONTROLLER

## Section: III ECE-B

Activity Name: Group Problem solving
Topic Name: Basics of microprocessor

Activity Description

| S. <br> No | Topic Name | Description of method | Outcome |
| :---: | :---: | :---: | :---: |
| 1 | Basics of microprocessor | i. Students are divided into teams, each team consists of six members. ii. Every team is given with different set of question covering the entire topic. <br> iii. Each team prepares their assigned topics <br> iv. The teams shuffled to form new teams, consisting of one student from the previous teams.so, that the shuffled teams are expertise in all the questions. <br> v. Now the teams are ready with all the solutions. Now they discuss among them. | There was an emphasis to learn and explain at the same moment, so students were bound to understand the concepts without wasting their time. Almost all were able to answer the questions based on that activity. |

## Rubrics

| $\begin{aligned} & \text { S.N } \\ & \text { o } \end{aligned}$ | Criteria | Scale of Assessment |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Satisfactory $(0-5 M)$ | $\begin{aligned} & \text { Good } \\ & (6-8 \mathrm{M}) \end{aligned}$ | Excellent <br> (9-10M) |
| 1 | Team work | Distracts or discourages other group members from solving problems | Cooperates with other group members in a reasonable manner | Actively engages and cooperates with other group members in an effective manner. |
| 2 | Presentation skills | Less relevant content, poor coherence with | More relevant content, moderate coherence with less illustrations | More relevant content, good coherence with adequate illustrations. |


|  |  | inadequate <br> illustrations. | . |  |
| :--- | :--- | :--- | :--- | :--- |
| 3 | Answering ability | Student is <br> uncomfortable <br> with <br> information. <br> Seems novice <br> and can <br> answer basic <br> questions only. | Student has <br> competent <br> knowledge <br> and is at ease <br> with <br> information. <br> Can answer <br> questions. | Student has <br> presented full <br> knowledge of <br> both problem <br> and solution. <br> Answers to <br> questions are <br> strengthened <br> by <br> rationalizatio <br> n and <br> explanation. |

Evaluation Sheet:

| S.No | Group code | Hall ticket No | Marks Scored |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | Creativity (Max.10M) | $\begin{gathered} \text { Response } \\ \text { (Max.10M) } \\ \hline \end{gathered}$ |
| 1 | A | Roll No | 08 | 07 |
|  |  | 16K41A0402 | 08 | 08 |
|  |  | 16K41A0441 | 08 | 06 |
|  |  | 16K41A0407 | 05 | 06 |
|  |  | 16K41A04F0 | 05 | 05 |
|  |  | 16K41A0430 | 05 | 06 |
| 2 | B | 16K41A0414 | 06 | 05 |
|  |  | 16K41A04D2 | 06 | 07 |
|  |  | 16K41A0443 | 07 | 08 |
|  |  | 16K41A0438 | 07 | 06 |
|  |  | 16K41A04D8 | 08 | 06 |
|  |  | 16K41A0424 | 07 | 07 |
| 3 | C | 16K41A0455 | 07 | 08 |
|  |  | 16K41A0427 | 07 | 06 |
|  |  | 16K41A04F1 | 06 | 07 |
|  |  | 16K41A0413 | 08 | 08 |
|  |  | 16K41A0431 | 06 | 07 |
|  |  | 16K41A0432 | 08 | 07 |
|  | D | 16K41A0467 | 08 | 08 |
|  |  | 16K41A0437 | 08 | 06 |
|  |  | 16K41A0421 | 05 | 06 |
|  |  | 16K41A0404 | 05 | 05 |
|  |  | 16K41A0442 | 05 | 06 |
| 4 |  | 16K41A0418 | 06 | 05 |
| 5 | E | 16K41A0444 | 06 | 07 |
|  |  | 16K41A04C2 | 07 | 08 |


|  |  | 16K41A0447 | 07 | 06 |
| :---: | :---: | :---: | :---: | :---: |
|  |  | 16K41A0451 | 08 | 06 |
|  |  | 16K41A0452 | 07 | 07 |
|  |  | 16K41A0425 | 07 | 08 |
|  |  | 16K41A0464 | 07 | 06 |
|  | F | 16K41A0435 | 06 | 07 |
|  | F | 16K41A0469 | 08 | 08 |
|  |  | 16K41A0471 | 06 | 07 |
|  |  | 16K41A04A0 | 08 | 07 |
| 6 |  | 16K41A0474 | 08 | 08 |
|  |  | 16K41A04A6 | 08 | 06 |
|  |  | 16K41A0477 | 05 | 06 |
|  | G | 16K41A0480 | 05 | 05 |
|  |  | 16K41A0495 | 05 | 06 |
|  |  | 16K41A0482 | 06 | 05 |
| 7 |  | 16K41A0485 | 06 | 07 |
|  |  | 16K41A0492 | 07 | 08 |
|  |  | 16K41A0488 | 07 | 06 |
|  | H | 16K41A0493 | 08 | 06 |
|  |  | 16K41A0481 | 07 | 07 |
|  |  | 16K41A0473 | 07 | 08 |
| 8 |  | 16K41A04A1 | 07 | 06 |
|  |  | 16K41A0476 | 06 | 07 |
|  |  | 16K41A04A7 | 08 | 08 |
|  | I | 16K41A04A9 | 06 | 07 |
|  | I | 16K41A04C1 | 08 | 07 |
|  |  | 16K41A0445 | 08 | 08 |
| 9 |  | 16K41A04C4 | 08 | 06 |
|  |  | 16K41A04C8 | 05 | 06 |
|  |  | 16K41A04E5 | 05 | 05 |
|  | J | 16K41A04D0 | 05 | 06 |
|  | J | 16K41A0417 | 06 | 05 |
|  |  | 16K41A04D7 | 06 | 07 |
| 10 |  | 16K41A0421 | 07 | 08 |
|  |  | 16K41A04E2 | 07 | 06 |
|  |  | 16K41A04F9 | 08 | 06 |
|  | K | 16K41A04E9 | 07 | 07 |
|  | K | 16K41A0410 | 07 | 08 |
|  |  | 16K41A0429 | 07 | 06 |
| 11 |  | 16K41A04F6 | 06 | 07 |

## Activity pics :



## Reflections:

1. Some questions are easy to solve, so we need to the give the questions which improves thinking and analyzing capabilities.
2. Groups are formed randomly, so some groups are having bright students and some groups are having poor students. So only few groups are performing well in this activity, to overcome this drawback before conducting this activity, groups are formed with mixed level of students.

Academic Year: 2017-2018, II Year-I Semester
Subject: Probability Theory and stochastic processes, Section: II ECE-A
Activity Name: Stump your partner

## Activity Description:

| S. <br> No | Topic Name | Description of method | Outcome |
| :---: | :--- | :--- | :--- |
| 1 | Recalling of <br> differentiation and | i. Presenting students with a <br> problem. | This activity |


|  | Integration <br> formulae | ii. Providing some structure or <br> guidance toward solving <br> the problem. <br> iii. Reaching an outcome or solution. | will develop <br> team work <br> among students. |
| :--- | :--- | :--- | :--- |

## Rubrics:

| $\begin{array}{\|l} \text { S.N } \\ \text { o } \end{array}$ | Criteria | Scale of Assessment |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Satisfactory $(0-5 \mathrm{M})$ | Good <br> (6-8M) | Excellent $(9-10 M)$ |
| 1 | Team work | Distracts or discourages other group members from solving problems. | Cooperates with other group members in a reasonable manner | Actively engages and cooperates with other group members in an effective manner. |
| 2 | Presentation skills | Less <br> relevant <br> content, <br> poor <br> coherence <br> with <br> inadequate <br> illustrations. | More relevant content, moderate coherence with less illustrations | More relevant content, good coherence with adequate illustrations. |
| 3 | Answering ability | Student is uncomfortable with information. Seems novice and can answer basic questions only. | Student has competent knowledge and is at ease with information. Can answer questions. | Student has presented full knowledge of both problem and solution. Answers to questions are strengthened by rationalizatio n and explanation. |

## Evaluation Sheet:

| S.No | Hall ticket No | Marks Scored |  |
| :---: | :---: | :---: | :---: |
|  |  | Creativity (Max.10M) | Response (Max.10M) |
| 1 | 16K41A0401 | 08 | 07 |
| 2 | 16K41A0402 | 08 | 08 |
| 3 | 16K41A0403 | 08 | 06 |
| 4 | 16K41A0404 | 05 | 06 |
| 5 | 16K41A0405 | 05 | 05 |
| 6 | 16K41A0406 | 05 | 06 |
| 7 | 16K41A0407 | 06 | 05 |
| 8 | 16K41A0408 | 06 | 07 |
| 9 | 16K41A0409 | 07 | 08 |
| 10 | 16K41A0410 | 07 | 06 |
| 11 | 16K41A0411 | 08 | 06 |
| 12 | 16K41A0412 | 07 | 07 |
| 13 | 16K41A0413 | 07 | 08 |
| 14 | 16K41A0414 | 07 | 06 |
| 15 | 16K41A0415 | 06 | 07 |
| 16 | 16K41A0416 | 08 | 08 |
| 17 | 16K41A0417 | 06 | 07 |
| 18 | 16K41A0418 | 08 | 07 |
| 19 | 16K41A0419 | 08 | 08 |
| 20 | 16K41A0420 | 08 | 06 |
| 21 | 16K41A0421 | 05 | 06 |
| 22 | 16K41A0422 | 05 | 05 |
| 23 | 16K41A0423 | 05 | 06 |
| 24 | 16K41A0424 | 06 | 05 |
| 25 | 16K41A0425 | 06 | 07 |
| 26 | 16K41A0426 | 07 | 08 |
| 27 | 16K41A0427 | 07 | 06 |
| 28 | 16K41A0428 | 08 | 06 |
| 29 | 16K41A0429 | 07 | 07 |
| 30 | 16K41A0430 | 07 | 08 |
| 31 | 16K41A0431 | 07 | 06 |
| 32 | 16K41A0432 | 06 | 07 |
| 33 | 16K41A0433 | 08 | 08 |
| 34 | 16K41A0434 | 06 | 07 |
| 35 | 16K41A0435 | 08 | 07 |
| 36 | 16K41A0436 | 08 | 08 |
| 37 | 16K41A0437 | 08 | 06 |
| 38 | 16K41A0438 | 05 | 06 |
| 39 | 16K41A0439 | 05 | 05 |
| 40 | 16K41A0440 | 05 | 06 |
| 41 | 16K41A0441 | 06 | 05 |
| 42 | 16K41A0442 | 06 | 07 |
| 43 | 16K41A0443 | 07 | 08 |


| 44 | 16 K 41 A 0444 | 07 | 06 |
| :---: | :---: | :---: | :---: |
| 45 | 16 K 41 A 0445 | 08 | 06 |
| 46 | 16 K 41 A 0446 | 07 | 07 |
| 47 | 16 K 41 A 0447 | 07 | 08 |
| 48 | 16 K 41 A 0448 | 07 | 06 |
| 49 | 16 K 41 A 0449 | 06 | 07 |
| 50 | 16 K 41 A 0450 | 08 | 08 |
| 51 | 16 K 41 A 0451 | 06 | 07 |
| 52 | 16 K 41 A 0452 | 08 | 07 |
| 53 | 16 K 41 A 0453 | 08 | 08 |
| 54 | 16 K 41 A 0454 | 08 | 06 |
| 55 | 16 K 41 A 0455 | 05 | 06 |
| 56 | 16 K 41 A 0456 | 05 | 05 |
| 57 | 16 K 41 A 0457 | 05 | 06 |
| 58 | 16 K 41 A 0458 | 06 | 05 |
| 59 | 16 K 41 A 0459 | 06 | 07 |
| 60 | 16 K 41 A 0460 | 07 | 08 |
| 61 | 16 K 41 A 0461 | 07 | 06 |
| 62 | 16 K 41 A 0462 | 08 | 06 |
| 63 | 16 K 41 A 0463 | 07 | 07 |
| 64 | 16 K 41 A 0464 | 07 | 08 |
| 65 | 16 K 41 A 0465 | 07 | 06 |
| 66 | 16 K 41 A 0466 | 06 | 07 |

## Activity Pics:



## Reflections:

1. Groups are formed randomly, so some groups are having bright students and some groups are having poor students. So only few groups are performing well in this activity, to overcome this drawback before conducting this activity, groups are formed with mixed level of students.

Subject: Digital Communications, Academic Year: 2018-2019
Activity Name: Open book exam
Topic Name: Pulse and Modulation Techniques

## Activity Pics:


(a)

## Evaluation Sheet:

| 1 | 16 K 41 A 04 C 2 | 07 |
| :---: | :---: | :---: |
| 2 | 16 K 41 A 04 D 3 | 06 |
| 3 | 16 K 41 A 04 G 6 | 07 |
| 4 | 16K41A0443 | 08 |
| 5 | 16 K 41 A 0491 | 08 |
| 6 | 16 K 41 A 0498 | 07 |
| 7 | 16 K 41 A 0490 | 06 |
| 8 | 16 K 41 A 0420 | 07 |
| 9 | 16 K 41 A 04 E 3 | 08 |
| 10 | 17 K 45 A 0402 | 07 |
| 11 | 17 K 45 A 0404 | 06 |
| 12 | 17 K 45 A 0409 | 06 |
| 13 | 17 K 45 A 0413 | 08 |
| 14 | 16 K 41 A 0405 | 07 |
| 15 | 16 K 41 A 04 C 8 | 07 |
| 16 | 17 K 45 A 0401 | 08 |
| 17 | 17 K 45 A 0402 | 05 |

6. Subject: Digital Communications, Academic Year: 2018-2019

Activity Name: Objective Test

Topic Name: Introduction to Digital communication Systems

## Activity Pics:


(a)

## Evaluation Sheet:

| S.N0 | Hall ticket No | Marks Scored(Max.10M) |
| :---: | :---: | :---: |
| 1 | 16K41A04C2 | 06 |
| 2 | 16K41A04D3 | 07 |
| 3 | 16K41A04G6 | 08 |
| 4 | 16K41A0443 | 08 |
| 5 | 16K41A0491 | 07 |
| 6 | 16K41A0498 | 08 |
| 7 | 16K41A0490 | 05 |
| 8 | 16K41A0420 | 08 |
| 9 | 16K41A04E3 | 07 |
| 10 | 17K45A0402 | 06 |
| 11 | 17K45A0404 | 05 |
| 12 | 17K45A0409 | 06 |
| 13 | 17K45A0413 | 07 |
| 14 | 16K41A0405 | 08 |
| 15 | 16K41A04C8 | 06 |
| 16 | 17K45A0401 | 06 |
| 17 | 17K45A0402 | 08 |

## 7. Subject: Probability Theory and stochastic processes

Academic Year: 2018-2019
Activity Name: Group Problem solving
Topic Name: Distribution and Density Functions

## Activity Pics:




## Evaluation Sheet:

| S.No | Batch code | Hall ticket No | Marks Scored |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Team work (Max.10M) | $\begin{aligned} & \hline \text { Presentation } \\ & \text { skills } \\ & \text { (Max.10M) } \\ & \hline \end{aligned}$ | Answering ability (Max.10M) |
| 01 | A | 17K41A0401 | 07 | 08 | 08 |
|  |  | 17K41A0402 | 06 | 08 | 07 |
|  |  | 17K41A0403 | 07 | 08 | 07 |
| 02 | B | 17K41A0404 | 08 | 06 | 06 |
|  |  | 17K41A0405 | 06 | 07 | 07 |
|  |  | 17K41A0406 | 06 | 08 | 08 |
| 03 | C | 17K41A0407 | 07 | 07 | 08 |
|  |  | 17K41A0408 | 07 | 08 | 06 |


|  |  | 17 K 41 A 0409 | 05 | 06 | 08 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 04 | D | 17 K 41 A 0410 | 08 | 07 | 07 |
|  |  | 17 K 41 A 0411 | 06 | 07 | 07 |
|  |  | 17 K 41 A 0412 | 07 | 08 | 07 |
|  |  | 17 K 41 A 0413 | 07 | 07 | 07 |
| 05 | E | 17 K 41 A 0414 | 07 | 08 | 07 |
|  |  | 17 K 41 A 0415 | 05 | 05 | 07 |
|  |  | 17 K 41 A 0416 | 05 | 07 | 08 |
|  |  | 17 K 41 A 0417 | 06 | 05 | 07 |

## Reflections:

Groups are formed randomly, so some groups are having bright students and some groups are having poor students. So only few groups are performing well in this activity, to overcome this drawback before conducting this activity, groups are formed with mixed level of students.

## 8. Subject: Probability Theory and stochastic processes

Academic Year: 2018-2019
Activity Name: Stump your partner
Topic Name: Recalling of Differentiation \& Integration Formulas

## Activity Pics:



## Evaluation Sheet:

| Hall ticket No | Marks Scored |  |
| :---: | :---: | :---: |
|  | Creativity (Max.10M) | Response (Max.10M) |
| 17K41A0401 | 07 | 06 |
| 17K41A0402 | 07 | 07 |
| 17K41A0403 | 07 | 06 |
| 17K41A0404 | 08 | 06 |
| 17K41A0405 | 07 | 05 |
| 17K41A0406 | 08 | 06 |
| 17K41A0407 | 07 | 05 |
| 17K41A0408 | 07 | 07 |
| 17K41A0409 | 06 | 08 |
| 17K41A0410 | 05 | 06 |
| 17K41A0411 | 08 | 06 |
| 17K41A0412 | 08 | 07 |
| 17K41A0413 | 05 | 08 |
| 17K41A0414 | 08 | 06 |
| 17K41A0415 | 07 | 07 |
| 17K41A0416 | 05 | 08 |
| 17K41A0417 | 05 | 07 |

## Reflections:

1. High-level thinking is needed for this activity; due to this Students are unable to prepare/Answer a logical question using fundamental of Integration and differentiation formulas.
2. Time taken to conduct activity is more.
3. To improve the performance of students in this activity ask students to prepare a question on given topic before attending activity.

## 2. Subject: Signals and Systems, Academic Year: 2018-2019

Activity Name: Teams-Games-Tournaments
Topic Name: Fourier Series

## Activity Pics:



## Evaluation Sheet:

| S.No | Batch code | Hall ticket No | Marks Scored |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Team work (Max.10M) | Presentation skills (Max.10M) | Answering ability (Max.10M) |
| 01 | A | 17K41A0401 | 08 | 07 | 08 |
|  |  | 17K41A0402 | 08 | 07 | 08 |
|  |  | 17K41A0403 | 08 | 06 | 08 |
| 02 | B | 17K41A0404 | 05 | 05 | 07 |
|  |  | 17K41A0405 | 05 | 05 | 05 |
|  |  | 17K41A0406 | 05 | 07 | 06 |
| 03 | C | 17K41A0407 | 06 | 08 | 06 |
|  |  | 17K41A0408 | 06 | 07 | 05 |
|  |  | 17K41A0409 | 07 | 08 | 07 |
| 04 | D | 17K41A0410 | 07 | 08 | 08 |
|  |  | 17K41A0411 | 07 | 08 | 08 |
|  |  | 17K41A0412 | 07 | 06 | 07 |
|  |  | 17K41A0413 | 08 | 07 | 07 |
| 05 | E | 17K41A0414 | 07 | 08 | 07 |
|  |  | 17K41A0415 | 06 | 05 | 07 |
|  |  | 17K41A0416 | 08 | 07 | 08 |
|  |  | 17K41A0417 | 06 | 08 | 07 |

## Reflections:

1. Most of the students are doing good performance in the activity, and few students are still facing problem in understanding of question.
