**VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY BURLA**



(A UGC Recognized State Government University by an Act of Assembly, Estd. -1956)

P.O. Engineering College, Burla, Dist: Sambalpur, Odisha, (India) -768 018

[www.vssut.ac.in](http://www.vssut.ac.in/). e-mail: vc@vssut.ac.in

**Attainment of Course Outcomes (COs)-Indirect Assessment**

Please rate yourself in the scale of 0-3 (0-Not Acquired, 1-Low, 2-Medium, 3-High) on acquiring the below mentioned capabilities after completion of the following subject.

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| **Academic Year :** | 2023-24 |
| **Department/School:** | Electrical Engineering |
| **Program:** | B.Tech. in Electrical Engineering |
| **Semester:** | 7th, Section-A |
| **Subject Name :** | Power System Operation and Control |

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| **#** | **Course Outcomes** |
| CO1 | Compute load flow solution by using different techniques |
| CO2 | Assess the stability of a power system. |
| CO3 | Determine the economical load distribution between the generating buses incorporating the transmission losses. |
| CO4 | Compute the state of power system following the different types of faults. |
| CO5 | Describe automatic generation control schemes and methods to analyze active andreactive power control on a power system using simulation tools. |

| **SL. NO.**  | **Regd. No.** | **CO1** | **CO2** | **CO3** | **CO4** | **CO5** | **Remarks** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2002050001 |   |   |   |   |   |  |
| 2 | 2002050002 |   |   |   |   |   |  |
| 3 | 2002050005 |   |   |   |   |   |  |
| 4 | 2002050006 |   |   |   |   |   |  |
| 5 | 2002050008 |   |   |   |   |   |  |
| 6 | 2002050011 |   |   |   |   |   |  |
| 7 | 2002050013 |   |   |   |   |   |  |
| 8 | 2002050014 |   |   |   |   |   |  |
| 9 | 2002050015 |   |   |   |   |   |  |
| 10 | 2002050016 |   |   |   |   |   |  |
| 11 | 2002050017 |   |   |   |   |   |  |
| 12 | 2002050018 |   |   |   |   |   |  |
| 13 | 2002050020 |   |   |   |   |   |  |
| 14 | 2002050021 |   |   |   |   |   |  |
| 15 | 2002050022 |   |   |   |   |   |  |
| 16 | 2002050023 |   |   |   |   |   |  |
| 17 | 2002050024 |   |   |   |   |   |  |
| 18 | 2002050025 |   |   |   |   |   |  |
| 19 | 2002050027 |   |   |   |   |   |  |
| 20 | 2002050028 |   |   |   |   |   |  |
| 21 | 2002050029 |   |   |   |   |   |  |
| 22 | 2002050030 |   |   |   |   |   |  |
| 23 | 2002050031 |   |   |   |   |   |  |
| 24 | 2002050032 |   |   |   |   |   |  |
| 25 | 2002050033 |   |   |   |   |   |  |
| 26 | 2002050034 |   |   |   |   |   |  |
| 27 | 2002050035 |   |   |   |   |   |  |
| 28 | 2002050036 |   |   |   |   |   |  |
| 29 | 2002050038 |   |   |   |   |   |  |
| 30 | 2002050039 |   |   |   |   |   |  |
| 31 | 2002050040 |   |   |   |   |   |  |
| 32 | 2103050001 |   |   |   |   |   |  |
| 33 | 2103050002 |   |   |   |   |   |  |
| 34 | 2103050003 |   |   |   |   |   |  |
| 35 | 2002050042 |   |   |   |   |   |  |
| 36 | 2002050043 |   |   |   |   |   |  |
| 37 | 2002050044 |   |   |   |   |   |  |
| 38 | 2002050045 |   |   |   |   |   |  |
| 39 | 2002050046 |   |   |   |   |   |  |
| 40 | 2002050047 |   |   |   |   |   |  |
| 41 | 2002050048 |   |   |   |   |   |  |
| 42 | 2002050049 |   |   |   |   |   |  |
| 43 | 2002050050 |   |   |   |   |   |  |
| 44 | 2002050051 |   |   |   |   |   |  |
| 45 | 2002050053 |   |   |   |   |   |  |
| 46 | 2002050055 |   |   |   |   |   |  |
| 47 | 2002050056 |   |   |   |   |   |  |
| 48 | 2002050057 |   |   |   |   |   |  |
| 49 | 2002050059 |   |   |   |   |   |  |
| 50 | 2002050060 |   |   |   |   |   |  |
| 51 | 2002050061 |   |   |   |   |   |  |
| 52 | 2002050062 |   |   |   |   |   |  |
| 53 | 2002050064 |   |   |   |   |   |  |
| 54 | 2002050065 |   |   |   |   |   |  |
| 55 | 2002050066 |   |   |   |   |   |  |
| 56 | 2002050067 |   |   |   |   |   |  |
| 57 | 2002050068 |   |   |   |   |   |  |
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| 59 | 2002050070 |   |   |   |   |   |  |
| 60 | 2002050071 |   |   |   |   |   |  |
| 61 | 2002050072 |   |   |   |   |   |  |
| 62 | 2002050073 |   |   |   |   |   |  |
| 63 | 2002050074 |   |   |   |   |   |  |
| 64 | 2002050075 |   |   |   |   |   |  |
| 65 | 2002050077 |   |   |   |   |   |  |
| 66 | 2002050078 |   |   |   |   |   |  |
| 67 | 2002050079 |   |   |   |   |   |  |
| 68 | 2002050080 |   |   |   |   |   |  |
| 69 | 2002050081 |   |   |   |   |   |  |
| 70 | 2103050004 |   |   |   |   |   |  |
| 71 | 2103050005 |   |   |   |   |   |  |
| 72 | 2103050006 |   |   |   |   |   |  |
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| 84 |  |  |  |  |  |  |  |
| 85 |  |  |  |  |  |  |  |
| 86 |  |  |  |  |  |  |  |
|  | **Average** |  |  |  |  |  |  |

**Signature of Course Instructor**