



SRI VENKATESWARA COLLEGE OF ENGINEERING
(AUTONOMOUS)
COURSE DELIVERY PLAN - LABORATORY

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| | | | |
|---------------------------------------------------------------------------------|----------------------|------------------|------------------|
| Department of Marine Engineering | | | LP: MR18411 |
| | | | Rev. No: 00 |
| B.E | : Marine Engineering | Regulation: 2018 | Date: 09.12.2019 |
| PG Specialisation | : NA | | |
| Sub. Code / Sub. Name : MR18411 Strength of Materials and Applied Mechanics lab | | | |

| Session No* | List of Experiments |
|---------------------------------------|--------------------------------------------------------------|
| CYCLE-I | |
| 1 | Double shear Test in U.T.M. |
| 2 | Deflection Test - Bench type verification of Maxwell theorem |
| 3 | Hardness test on various machines |
| 4 | Tests on springs – Tension, compression. |
| 5 | Charpy Impact test. |
| CYCLE-II | |
| 6 | Strain measurement using Rosette strain gauge. |
| 7 | Tension Test on M.S. Rod |
| 8 | Izod Impact Test |
| 9 | Load measurement using load indicator, load coils |
| 10 | Compression test – Bricks, concrete cubes |
| CYCLE-III | |
| 11 | Micro Hardness test |
| 12 | Tests on wood - Tension, compression, bending |
| 13 | Tension test on thin wire |
| 14 | Fatigue test. |
| 15 | Model Exam |
| Content beyond syllabus (if any): NIL | |

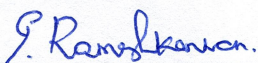
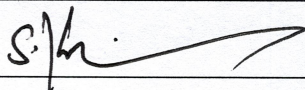
* Session Duration: 200 minutes



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| Session No/ Week | BATCHES | | | |
|---------------------|-------------------|----|----|----|
| | A1 | A2 | A3 | A4 |
| 1 | 1 | 2 | 3 | 4 |
| 2 | 2 | 3 | 4 | 1 |
| 3 | 3 | 4 | 1 | 2 |
| 4 | 4 | 1 | 2 | 3 |
| 5 | 5 | 6 | 7 | 8 |
| 6 | 6 | 7 | 8 | 5 |
| 7 | 7 | 8 | 6 | 6 |
| 8 | 8 | 6 | 7 | 7 |
| 9 | 9 | 10 | 11 | 12 |
| 10 | 10 | 11 | 12 | 9 |
| 11 | 11 | 12 | 9 | 10 |
| 12 | 12 | 9 | 10 | 11 |
| 13 | 13 | 13 | 13 | 13 |
| 14 | 14 | 14 | 14 | 14 |
| 15 | Model Examination | | | |

| | Prepared by | Approved by |
|-------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Signature |  |  |
| Name | G.RAMESHKANNAN | S.KRISHNAN |
| Designation | Assistant Professor | Professor & Head |
| Date | 09.12.2019 | 09.12.2019 |
| Remarks* : | | |
| Remarks* : | | |

* If the same lab plan is followed in the subsequent semester/year it should be mentioned and signed by the Faculty and the HOD