

Çankaya University
Mechanical Engineering Department
ME 102 Mechanical Engineering Orientation
HW 2-report

Part-1

Prepare a report on the technical visit to ORS, including the following parts:

- 1- Basic information on the company (name, place, history etc.)
- 2- Describe the processes in detail for ball bearings starting from raw material to finalized product. (Using the experience you had during the visit)
- 3- Write about what you have expected from the technical visit and what you have gained during the visit.

Part-2

Briefly (at least ½ pages) describe two manufacturing techniques assigned to your name. *

*** Manufacturing Techniques**

- 1- Casting
- 2- Continuous Casting
- 3- Die casting
- 4- Forging
- 5- Rolling
- 6- Sheet metal Rolling
- 7- Extrusion
- 8- Deep Drawing
- 9- Wire Drawing
- 10- Bending
- 11- Spinning
- 12- Powder metallurgy (PM)
- 13- Turning
- 14- Drilling
- 15- Milling
- 16- Grinding
- 17- Arcwelding
- 18- Resistance welding
- 19- Oxyfuel gas welding
- 20- Solid-State Welding
- 21- Mechanical fastening
- 22- Surface finishing

	No	Part2-1	Part2-2
1	201115040	1	3
2	201215006	11	9
3	201215032	2	12
4	201315007	10	2
5	201315037	3	8
6	201315040	20	10
7	201315050	4	5
8	201415006	12	7
9	201415017	1	11
10	201415039	15	3
11	201415051	5	1
12	201415203	13	11
13	201415208	9	2
14	201415212	6	10
15	201515003	22	3
16	201515004	2	20
17	201515010	7	4
18	201515014	14	12
19	201515015	21	1
20	201515019	17	15
21	201515020	8	5
22	201515023	3	13
23	201515030	20	9
24	201515033	9	2
25	201515038	15	9
26	201515039	19	14
27	201515044	4	4
28	201515046	10	8
29	201515047	16	6
30	201515049	8	13
31	201515050	18	11
32	201515051	11	5
33	201515053	5	10
34	201515055	17	12
35	201515201	20	4
36	201515205	12	9
37	201515404	16	15
38	201615002	6	19
39	201615006	13	4
40	201615031	18	10
41	201615035	5	16
42	201615410	7	8
43	201615416	14	18
44	201615417	19	11
45	201615663	2	13

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3	201315025	10	2
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8	201415044	1	11
9	201415202	22	3
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11	201515002	13	12
12	201515005	9	4
13	201515007	6	13
14	201515008	22	5
15	201515013	2	6
16	201515017	7	14
17	201515018	14	3
18	201515021	21	7
19	201515022	17	15
20	201515025	8	1
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23	201515031	9	2
24	201515032	15	9
25	201515035	19	14
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28	201515040	16	2
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31	201515052	11	21
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33	201515058	17	8
34	201515202	20	3
35	201515208	12	20
36	201515209	16	9
37	201515402	6	15
38	201515405	13	19
39	201615014	18	4
40	201615019	15	7
41	201615045	7	3
42	201615057	14	15
43	201615409	19	1
44	201615413	22	6
45	201615415	4	9
46	201515015	1	8
47	201415029	13	2
48	201515042	12	1