# KBC North Maharashtra University, Jalgaon

Class: **T. Y. B. Sc.**

Subject: **Electronics**

**Choice Base Credit System (With effect from June 2020)**

The Board of Studies in Electronics in its meeting has unanimously accepted the revised syllabus (as per CBCS pattern) prepared by different committees, discussed, and finalized for T.Y.B.Sc. The titles of the papers for T.Y.B.Sc. (Electronics) are as given below:

## Structure of curriculum of T. Y. B. Sc. (Electronics)

### Semester V

| Discipline | Course Type | Course Code | Course title | Credits | Hours/week (Clock hours) | Total Teaching hours | Marks (Total 100) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | CA | UA |
| DSC | Core I | ELE-501 | Semiconductor Electronics | 3 | 3 | 45 | 40 | 60 |
| | Core II | ELE -502 | Advanced Digital System Design using VHDL | 3 | 3 | 45 | 40 | 60 |
| | Core III | ELE-503 | Advanced Microprocessors | 3 | 3 | 45 | 40 | 60 |
| | Core IV | ELE-504 | Electronic Instrumentation | 3 | 3 | 45 | 40 | 60 |
| DSC Skill Enhancement Course (SEC) | Skill Based | ELE-505 | Medical Electronics | 3 | 3 | 45 | 40 | 60 |
| DSC Elective course | Elective Course (Any one) | ELE-506 (A) | Embedded C | 3 | 3 | 45 | 40 | 60 |
| | | ELE-506 (B) | Basics Fiber Optic Communication | | | | | |
| DSC | Core (Practical) | ELE-507 | Practical Lab I | 2 | 4 (per batch) | 60 | 40 | 60 |
| | | ELE-508 | Practical Lab II | 2 | 4 (per batch) | 60 | 40 | 60 |
| | | ELE-509 | Project Part I | 2 | 4 (per batch) | 60 | 40 | 60 |
| Non Credit Audit Course | Elective audit course (Any one) | AC-501 : A | NSS | No credit | 2 | 30 | 100 | -- |
| | | AC-501 : B | NCC | | | | | |
| | | AC-501 : C | Sports | | | | | |

## Semester VI

| Discipline | Course Type | Course Code | Course title | Credits | Hours/week (Clock hours) | Total Teaching hours | Marks (Total 100) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | CA | UA |
| DSC | Core I | ELE-601 | Power Electronics | 3 | 3 | 45 | 40 | 60 |
| | Core II | ELE-602 | Consumer Electronics | 3 | 3 | 45 | 40 | 60 |
| | Core III | ELE-603 | Microprocessor Interfacing Techniques | 3 | 3 | 45 | 40 | 60 |
| | Core IV | ELE-604 | Computer Network | 3 | 3 | 45 | 40 | 60 |
| DSC Skill Enhancement Course (SEC) | Skill Based | ELE-605 | Embedded Systems | 3 | 3 | 45 | 40 | 60 |
| DSC Elective Course | Elective Course (Any one) | ELE-606 (A) | Electrodynamics | 3 | 3 | 45 | 40 | 60 |
| | | ELE-606 (B) | Antenna & Wave Propagation | | | | | |
| DSC | Core (Practical) | ELE-607 | Practical Lab I | 2 | 4 (per batch) | 60 | 40 | 60 |
| | | ELE-608 | Practical Lab II | 2 | 4 (per batch) | 60 | 40 | 60 |
| | | ELE-609 | Project Part II | 2 | 4 (per batch) | 60 | 40 | 60 |
| Non Credit Audit Course | Elective audit course (Any one) | AC-601 : A | Soft skill | No credit | 2 | 30 | 100 | -- |
| | | AC-601 : B | Yoga | | | | | |
| | | AC-601 : C | Practicing Cleanliness | | | | | |

CA: Class assessment (Internal examination); UA: University assessment

Note: ***The Study tour: Industrial visit/Research lab visit is compulsory for the students of T.Y.B.Sc. (Electronics)***

*Lewa Educational Unions'*

# Dr. Annasaheb G. D. Bendale Mahila Mahavidyalaya, Jalgaon

*NAAC Accredited 'A' Grade (3rd cycle) with CGPA 3.12 | ISO 9001:2015 Certified Institution*

**Phone: 0257-2236051, 2235642 | Fax No.: 0257-2235642 | Website: www.agdbmmjal.ac.in | Email: agdbmm@gmail.com**

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## Department Of Electronics
## Industrial Visit Report

**Name of the Industry Visited:** Soyo Systems,Jalgaon
**Date of Visit:** 27st April 2023
**Beneficiaries:** 9 Students

Department of Electronics has organized an Industrial Visit at Soyo Systems, MIDC, Jalgaon. This visit is conducted under the MoU with Soyo Systems, Jalgaon. Soyo Systems, Jalgaon is engaged in engineering, design, manufacturing, supply and installation of solar photovoltaic power plants, solar water pumping systems, solar water heating systems projects and Solar home lighting systems. Total 09 students of S.Y.B.Sc. Electronics have taken active participation in this visit. Project Engineer Shri. Ravi Sonawane gave the detailed information of the manufacturing units of various products and have answered the doubt and queries of students.

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Head
Dept. of Electronics
Dr. Annasaheb G. D. Bendale
Mahila Mahavidyalaya, Jalgaon

An ISO 9001 : 2015 COMPANY

soyo Systems

Solar | Inverter | UPS | Battery | LED

**Fact. :** M-91, M.I.D.C. Area, Near Godavari Engg. College, Jalgaon - 425003 (M.S.). Ph. : 0257 - 2210132, 2210193, 2272784. Fax. : 0257 - 2271276

**E-mail :** soyopower@gmail.com **Web site :** www.soyosystems.co.in

# Certificate

This is to certify that the students, whose details are attached herewith, have undergone an industrial visit at Soyo Systems, Jalgaon.

Name of Institute :- Dr. Annasaheb G D Bendale Mahila Mahavidyalaya, Jalgaon

Discipline :- B.Sc. Electronics

Topic/Subject :- Industrial Visit at "Soyo Systems, Jalgaon"

Date of Visit :- 27/04/2023

They had successfully completed training, during this visit period we found they were sincere and hard working.

The response of the students was good.

SOYO SYSTEMS, M-91 MIDC, JALGAON

For SOYO SYSTEMS

Authorized Signatory

## Dr. Annasaheb G. D. Bendale Mahila Mahavidyalaya, Jalgaon.
**Department of Electronics**

**Name of the Activity:** Industrial Visit at Soyo Systems, Jalgaon

| Sr. No. | Name | Dt. Sign |
|---|---|---|
| 1. | Lakshmi kiran Waykole | |
| 2) | Zoya Jamir Shaikh | |
| 3) | Sangita vilas shirsade | |
| 4) | Chanchal manoj Chaudhari | |
| 5) | Saloni Yusuf Tadavi | |
| 6) | Pealakta Sanjay Supe | |
| 7) | Tejaswini Yuvraj mare | |
| 8) | Harshali vijay chaudhari | |
| 9) | Nikita Yanish Kharche | |

SOYO SYSTEMS, M-91 M.I.D.C. SOYO JALGAON