

SAVITRIBAI PHULE PUNE UNIVERSITY,PUNE
T.Y.B.Sc. ELECTRONIC SCIENCE
2021 PATTERN CBCS
Discipline Specific Elective Course

EL 369: Paper IX: Practical Course III(Project)

SEMESTER VI

CREDITS: 2

Course Outcomes: After completing the course, the students will be able to

CO1: Understand basic methodology of selection of topic for project.

CO2: Understand how to do literature review for selected topic for project,

CO3: Apply the knowledge for design and development of the selected project.

CO4: Use different software and hardware for testing, validation and verification of circuits for successful outcome of project

CO5: Understand documentation process in the form of presentation and project report

CO6: Understand process of systematic development of electronic system and Development of skills for successful outcome

Guidelines to conduct Practical Course III(Project)

Practical Course III is a project Course of 2 Credits.

- Internal Continuous Assessment (15 marks)
- University project Examination (35 marks)

This Course should be conducted using following guidelines:

- d) In CBCS Pattern, Student has to perform project in Semester V as well as Semester VI. It can perform
 - iii. separate project for each semester OR
 - iv. Can perform continuous project carrying sufficient weightage of marks per semester.
- e) There should be internal continuous assessment of Project work in the form of Seminars/presentation and continuous work monitoring
- f) After completion of project, student has to submit the Project Report in the following format
 - xii. Title of Project
 - xiii. Aim and objectives of project
 - xiv. Literature or Reference work
 - xv. Block diagram and its explanation in brief and/or algorithm of software required if any
 - xvi. Design and development of Circuit/system and Simulation required if any
 - xvii. Circuit Diagram and its working and Program explanation if any
 - xviii. Experimental Work and PCB Design/fabrication required if any
 - xix. Results and Discussion

- xx. Applications
- xxi. Future Scope
- xxii. References

- c. There must be observations, interpretations, conclusions, results of the project work.
 - d. Algorithm, program strategy, module wise description of parts etc. be provided in case of projects related with development of computer software.
 - e. Applications, usefulness, student's contribution in it must be clearly specified.
 - f. Further extension work may be suggested for better outcome of the project.
 - g. It is recommended to present the projects in competitions / project exhibitions organized by various authorities.
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AHMEDNAGAR JILHA MARATHA VIDHYA PRASARAK SAMAJ'S
SHREE DHOKESHWAR COLLEGE , TAKALI DHOKESHWAR
TAL- PARNER, DIST- AHMEDNAGAR
DEPARTMENT OF ELECTRONICS
Academic Year 2021-22

T.Y.BSc project student list 2021-22

Sr.no	Name of student	Name of Guide	Name of project
1	NAVALE PRATI KSHA BABASAHEB.	Prof. Dhus M.B.	Automatic light control using arduino
2	SHINDE KIRAN POPAT		3d cnc pcb design machine
3	PAWAR DINESH GANPAT	Prof. Tingare S.A.	Water level controller using 8051
4	JADHAV KAVITA DEVRAM		Bidirectional visitor counter using 8051
5	DHARAM RAMDAS BHAUSAHEB	Prof. Rohokale S.L	Street light auto intensity control
6	BARVE BHARTI RAVSAHEB		Automatic door bell with object detection .
7	KOKATE MUKTA SANJAY	Prof. Dhus M.B.	Wireless water level indicator Smoke detector using H21A1
8	WALUNJ NISHANT SHIVAJI		
9	VYAVHARE PRATI KSHA BALASAHEB	Prof. Tingare S.A.	Heart rate monitor system
10	THUBE VIKAS GHAMAJI	Prof. Rohokale S.L	Electronic letter Box
11	KADNAR RUPALI POPAT		

Stingane
Head,

Dept. of Electronics

Principal

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Shri. Dhokeshwar College
Takali Dhokeshwar
Tal. Parner, Dist. Ahmednagar

Unit-IV: Project Work /Study Tour Report/Historical Places Visit Rreport

Project work and Evaluation scheme

1. Candidate shall submit Project report of minimum 2000 words i.e.10 to12 pages (Should be DTP) to the department by end of the Semester.
2. A viva-voce should be conducted before theory examination and the results should be sent to the University as immediately
3. The Distribution of Marks – For Report Writing 20 Marks and for Vice-Voce 10 Marks



AHMEDNAGAR JILHA MARATHA VIDYA PRASARAK SAMAJ'S
SHRI DHOKESHWAR COLLEGE, TAKALI DHOKESHWAR
TYBA HISTORY

Subject: Introduction to History(S-3)

Project/oral 2021-22

Sr. No	Student Name	Seat No.
1.	ROKADE AJAY UMESH	64477
2.	AMBEKAR YOGITA SHRIKANT	64484
3.	GANDHI DIVYA MANIKCHAND	64497
4.	HARDE ANAND RAVSAHEB	64504
5.	KALE AKASH VILAS	64512
6.	KOKATE PRADIP BANSHI	64518
7.	KOLAPE BIRU DHULA	64519
8.	LANDAGE SWAPNIL BALSHIRAM	64523
9.	MANE TUSHAR DATTATRAY	64530
10.	MURUDE AVITA DATTATRAY	64533
11.	NARSALE AKANKSHAANSHABAPU	64534
12.	PAWAR SHUBHANGI GANPAT	64537
13.	SAMBARE AJIT DHARAMA	64549
14.	SAMBARE ASHWINI DHARMA	64550
15.	SHINDE PRATIK DATTATRAYA	64556
16.	TALEKAR DISHA BABAN	64561
17.	THANGE KOMAL SITARAM	64562
18.	VYAVHARE TUSHAR RAMDAS	64568
19.	WALUNJ SANTOSH SHIVAJI	64574
20.	WALUNJ SURAJ BHAUSAHEB	64575

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T.Y.B.Sc. (Physics) (Sem-VI)
PHY-369: Physics Project-II

Lectures: 36

(Credits-02)

Guidelines:

It is expected that,

1. The student does work equivalent to about 10 laboratory experiments throughout the semesters in the third year.
2. One bears in mind that the project work is a practical course and it is intended to develop a set of skills pertaining to the laboratory work apart from the cognition of students. Therefore, the guides should not permit projects that involve no contribution on part of student.
3. The project must have a clear and strong link with the principles of basic physics and/or their applications.
4. The theme chosen should be such that it promotes better understanding of physics concepts and brings out the creativity in the students.
5. The evaluation of the project work must give due credit to the amount of the project work actually done by a student, skills shown by the student, understanding of the physics concepts involved and the presentation of the final report at the time of viva voce.
6. The viva voce should be conducted at the time of evaluation of project work at least for twenty minutes per student. Extra care must be taken in the evaluation of projects done in a pair or group. Delegation of the work done by individuals must be sought from the students in such cases.
7. Any ready-made material used in the report (such as downloaded pages from the web) must be clearly referred to and acknowledged.
8. It is also recommended that a teacher will look after 4 projects at one time.
9. Any non-adherence to this norm should attract a penalty by way of deduction in the marks awarded to a student. It is recommended that the College will provide consumables/contingencies for every project, to the tune of Rs. 750 /- each. (*If the students paid extra fee other than laboratory fee then college will provide financial assistance for the Project work.)

The Project work shall consist of the following Criteria.

- 1) Working model (Experimental or Concept based simulation/Demonstration Related to Physics).
- 2) Understanding of the project.
- 3) Experimental Details.
- 4) Data collection and Data Analysis.
- 5) Innovation.
- 6) Outcomes/Result.
- 7) Conclusion.

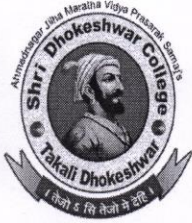
Note: At the time of project practical examination, the candidate must submit the certified project report by the project in-charge and HOD. A candidate will be allowed to appear for the Project practical examination only if the candidate submits a project completion report duly certified by the project in-charge and Head of the department.

The Project work shall include:

Models based / Demonstrated Applications / Review articles / Simulation on PC on any concept in Physics / Comparative & differentiative study / Improvement in the existing experiment (Design and fabrication concept) / Extension of any regular experiments / Attempt to make experiment open-ended / Thorough survey of existing active components / devices, ICs, methods, means, technologies, generations, applications etc. / any innovative projects using the concept of Physics / Interdisciplinary areas.

Evaluation weightage:

- Semester End University Examination : 35 Marks
- Internal Examination: 15 Marks



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's,
SHRI DHOKESHWAR COLLEGE, TAKALI DHOKESHWAR
Takali Dhokeshwar, Tal - Parner, Dist-Ahmednagar-414304 (MS, India)
DEPARTMENT OF PHYSICS



Project Report 2021-2022

Class :- T.Y.B.Sc

Subject :- Physics

Sr. No.	Name of the Student	Name of Projects	Name of the Guide
1.	NARHE TAI MACHHINDRA	Synthesis of nanoparticles of CuSO ₄ using electrochemical method & characteristics of CuSO ₄	Asst. Prof. Gaikwad S. B.
2.	RODE POOJA APPAJI	Solar charge circuit using IC Lm317	
3.	BANDE RAHUL SUBHASH	Rain Water Sensor	
4.	BHAND MANISHA CHIMAJI	IC 555 timer circuit	
5.	DATE SHAKUNTALA POPAT	Polycrystalline growth of undoped metal sulphate	Asst. Prof. Salunke V.P.
6.	MADANE NIKITA BHAGAJI	Geiger Muller counter	Asst. Prof. Salunke V.P
7.	PHAPALE PRIYANKA POPAT	LPG gas detector by using gas sensor	Asst. Prof. Paimode .A.K.
8.	RAHINJ KOMAL SAKHARAM	Wireless water level indicator	Asst. Prof Paimode .A.K.
9.	SHELKE SALONI PANDURANG	Smoke detector using H21A1	Asst. Prof Paimode .A.K.
10.	SHINDE PUNAM ASHOK	Synthesis of nanoparticle of CuSO ₄ using electrochemical method & characteristics of CuSO ₄	Asst. Prof. Gaikwad S. B.
11.	SHINDE MADHURI ANNASAHEB	Motion detector using NE555 timer	Asst. Prof. Gaikwad S. B.
12.	SHINDE NIKITA SAMPAT	Electronic letter Box	Asst. Prof. Salunke V.P
13.	THANGE MONIKA DHONDIBHAU	Polycrystalline growth of un doped metal sulphate	
14.	THUBE PRATIKSHA BALU	Heart rate monitor system	
15.	KHILARI AYUSH	Rain Water Sensor	

H. S. B. Gaikwad

Head
Department Of Physics

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SHRI DHOKESHWAR COLLEGE, TAKALI DHOKESHWAR
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Subject: cost and works accounting-II (365E)

Project/oral 2021-22

Sr.No.	Name of Student
1	BELKAR ANKUSH RAGHU
2	SALUNKHE VINAYAK MARUTI
3	RAJDEV SUREKHA HARIBHAU
4	GUND NIKITA MAHADU
5	ROKADE DEEPAK BALASAHEB
6	WAPHARE VISHAL SHANTARAM
7	GODSE PRAJAKTA JALINDAR
8	WABALE ONKAR BHAUSAHEB
9	RODE PRADIP SUBHASH
10	MANE KAJAL NAMDEV
11	GODASE YOGITA BALASAHEB
12	WAGH KANISHKA BALASAHEB
13	DAREKAR DEEPALI BALU
14	AUTI SWAPNIL LAHU
15	SHINDE DHANANJAY DNYANDEO
16	AGARE PAYAL MARUTI
17	HOMEKAR AISHWARYA MAYUR
18	NABAGE KOMAL SUKHDEV
19	GUND SUJIT ANANTHA
20	ROKADE PRANALI PRAKASH
21	BELKAR RUPALI ANKUSH
22	KHILARI KUNAL SHARAD
23	KHARAT SACHIN BHAGAJI
24	AGARE DNYNESHWAR KHANDU
25	GAGARE BHUSHANKUMAR BALASAHEB
26	UNDE RUSHIKESH AMBADAS
27	SALVE ASHWINI ASHOK
28	KINKAR PRATIK SHANTARAM
29	ANDHALE VIDYA SURESH
30	CHIKANE VISHAL BALU
31	SHINDE RAVINDRA TULISHIRAM
32	UNDE JYOTI DEVRAM
33	DAREKAR PRADIP BABAJI
34	SHAIKH HASAN BASHIR
35	WARALE PALLAVI DATTATRAY
36	BORUDE POOJA DATTATRAY
37	WAKALE MAHESH BABAJI
38	AHER SHUBHANGI BALU
39	DESHMANE YOGESH KHANDU

41	JAGTAP SHUBHAM SHIVAJI
42	SHINDE DIPALI MANGESH
43	CHIKANE SANKET GANGARAM
44	SHELKE VIDYA PRAMOD
45	DHUMAL SIDDHI BHIKAJI
46	CHIKANE NAMDEV PATILBA
47	SHINDE MAYUR RAOSAHEB
48	GHULE RUSHIKESH BALSHIRAM
49	GAJARE MANGAL BABAN
50	ROAKDE VISHAL SHIVAJI
51	DONGARE ROHINI BABAN
52	AHER SANKET JALINDAR
53	DHUMAL VIVEK KISAN
54	GODASE AKASH DNYANDEV
55	CHIKANE SHARAD BAJIRAO
56	GODASE AKSHAY BALASAHEB
57	GODASE DIPAK BAJIRAO



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Subject: cost and works accounting-III (366E)

Project/oral 2021-22

Sr.No.	Name of Student
1	Belkar Ankush Raghu
2	Salunkhe Vinayak Maruti
3	Rajdev Surekha Haribhau
4	Gund Nikita Mahadu
5	Rokade Deepak Balasaheb
6	Waphare Vishal Shantaram
7	Godse Prajakta Jalindar
8	Wabale Onkar Bhausahab
9	Rode Pradip Subhash
10	Mane Kajal Namdev
11	Godase Yogita Balasaheb
12	Wagh Kanishka Balasaheb
13	Darekar Deepali Balu
14	Auti Swapnil Lahu
15	Shinde Dhananjay Dnyandeo
16	Agare Payal Maruti
17	Homekar Aishwarya Mayur
18	Nabage Komal Sukhdev
19	Gund Sujit Anantha
20	Rokade Pranali Prakash
21	Belkar Rupali Ankush
22	Khilari Kunal Sharad
23	Kharat Sachin Bhagaji
24	Agare Dnyaneshwar Khandu
25	Gagare Bhushankumar Balasaheb
26	Unde Rushikesh Ambadas
27	Salve Ashwini Ashok
28	Kinkar Pratik Shantaram
29	Andhale Vidya Suresh
30	Chikane Vishal Balu
31	Shinde Ravindra Tulishiram
32	Unde Jyoti Devram
33	Darekar Pradip Babaji
34	Shaikh Hasan Bashir
35	Warale Pallavi Dattatray
36	Borude Pooja Dattatray
37	Wakale Mahesh Babaji
38	Aher Shubhangi Balu
39	Deshmane Yogesh Khandu
40	Ghanadat Vaibhav Shankar
41	Jagtap Shubham Shivaji

42	Shinde Dipali Mangesh
43	Chikane Sanket Gangaram
44	Shelke Vidya Pramod
45	Dhumal Siddhi Bhikaji
46	Chikane Namdev Patilba
47	Shinde Mayur Raosaheb
48	Ghule Rushikesh Balshiram
49	Gajare Mangal Baban
50	Roakde Vishal Shivaji
51	Dongare Rohini Baban
52	Aher Sanket Jalindar
53	Dhumal Vivek Kisan
54	Godase Akash Dnyandev
55	Chikane Sharad Bajirao
56	Godase Akshay Balasaheb
57	Godase Dipak Bajirao



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