



Taranath Shikshana Samsthe  
**Laxmi Venkatesh Desai college, Raichur**  
Affiliated to Raichur University, Raichur & Re-accredited by NAAC with B Grade



**Index for Add-On Course**

Title: Fun with Light and Magnets  
Academic Year: 2020-21

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Taranath Shikshana Samsthe



**LAXMI VENKATESH DESAI COLLEGE, RAICHUR-584103.**  
(Affiliated to Raichur University, Raichur. Re-Accredited by NAAC with "B" Grade)

**Dr. Venkatesh B. Devaru, M.Sc., Ph.D., MBA.**  
**PRINCIPAL**

Office of the Principal  
Ph: (08532)-240286, 240707  
Fax: +918532 240707  
e-mail: [lvdrcc@gmail.com](mailto:lvdrcc@gmail.com)  
Website: [www.lvdcollege.com](http://www.lvdcollege.com)

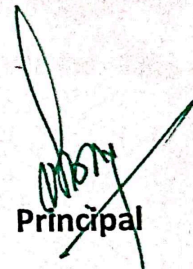
Date: 20/11/2020

**TO WHOMEVER IT MAY CONCERN**

This is to certify that, the college has introduced the Add\_On course on, "Fun with Light and Magnet" with the duration of 30 hours introduced in 2020-21. The said programme is apart from the existing course curriculum.

  
Head of the Department

Head of the Physics Department,  
L. V. D. College,  
RAICHUR-584101

  
Principal

**PRINCIPAL**  
**L.V.D. College, RAICHUR-03.**



Date: 20.11.2020

To  
The Principal,  
LVD College, Raichur.

From  
Head  
Department of Physics

Respected Sir,

Sub: Permission to start an Add\_On course

With respect to the above sited subject I, the undersigned request you to grant permission to start an Add-on course titled "FUN WITH LIGHT AND MAGNETS" to B.Sc I/II/III year students. The details of syllabus and duration are enclosed. This course helps students to build up their skills. Kindly grant the permission.

Thanking You,

Yours Faithfully,

*[Handwritten Signature]*

Head of the Physics Department  
L.V.D. College,  
RAICHUR-584 101.

*Permitted*  
*[Handwritten Signature]*  
PRINCIPAL  
L.V.D. College, RAICHUR-03.





Taranath Shikshana Samsthe

**LAXMI VENKATESH DESAI COLLEGE, RAICHUR-584103.**

(Affiliated to Gulbarga University, Kalaburagi. Re-Accredited by NAAC with "B" Grade)

Office of the Principal

Ph:( 08532)-240286, 240707

Fax:+918532 240707

e-mail: lvdrcr@gmail.com

Website:www.lvdcollege.com

**Dr.Venkatesh B. Devaru, M.Sc.,Ph.D.,MBA.**  
**PRINCIPAL**

Date: 16/11/2020

ORDER Sub: Meeting of Board of Studies members

A meeting of the following BOS is hereby convened on 16/11/2020 at 11:00 AM in the Department of Physics, LVD College, Raichur.

**BOARD OF APPOINTMENT OF BOS MEMBERS FOR ADD-ON COURSE  
FUN WITH LIGHT AND MAGNETS**

|    |  |  |
|----|--|--|
| 1) | Dr. Yesappa L.<br>Assistant professor of physics<br>University of Agricultural sciences Raichur. | Chairman<br>Assistant Professor of Physics<br>College of Agricultural Engineering<br>UAS, RAICHUR-584 104. |
| 2) | DR. Vinayak<br>Assistant Professor<br>Department of Physics<br>GFGC, Jewrgi                      | Member<br>Vinayak  |
| 3) | Sri.Vijay kumar<br>Head of the Department<br>Department of Physics<br>LVD College, Raichur       | Member<br>Head of the Physics Department<br>L. V. D. College,<br>RAICHUR-584 101                           |

The Chairman and the members are requested to make it convenient to attend THE BOS Meeting

**PRINCIPAL**

**PRINCIPAL**

**L.V.D. College, RAICHUR-03,**



DATE: 14.11.2020

To  
The Principal,  
LVD College,  
Raichur.

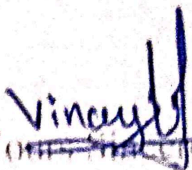
Respected Sir,

**Sub: Acceptance to be a Member of BOS.**

with reference to the above-cited subject I, **Dr Vinayak Assistant Professor Department of Physics GFGC, Kalaburagi.** received your letter of request to be a Member of BOS, for the Add-on Course to be conducted by your college

Hence, I give my consent and accept your request as a BOS Member.

Thanking You.

  
Your sincerely,



DATE: 14.11.2020

To  
The Principal,  
LVD College,  
Raichur.

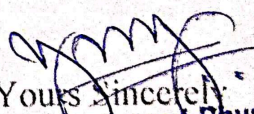
Respected Sir,

**Sub: Acceptance to be the chairman of BOS.**

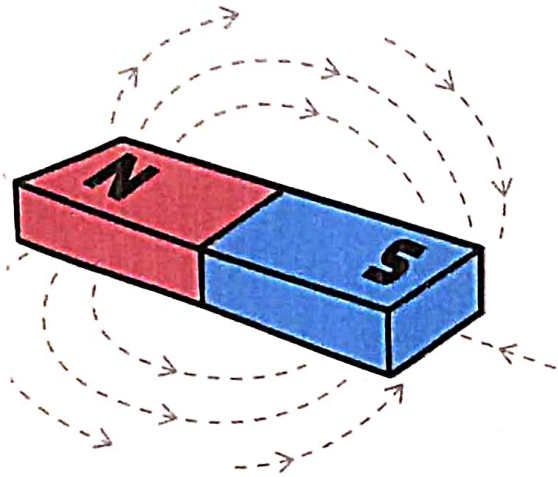
with reference to the above-cited subject I Dr. Yesappa L. Assistant professor of physics University of Agricultural sciences Raichur. received your letter of request to be a Chairman of BOS. for the Add-on Course to be conducted by your college.

Hence, I give my consent and accept your request as a BOS Chairman.

Thanking You.

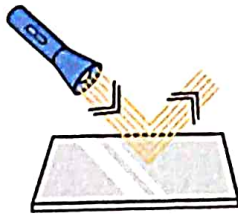
  
Yours Sincerely,  
Assistant Professor of Physics  
College of Agricultural Engineering  
UAS, RAICHUR-584 104.





### In This Course

- Magnetic and Non-Magnetic Materials
- Natural and Man-Made Magnets
- Properties of Magnets
- Earth's Magnetism
- Uses of Magnets
- Propagation of Light
- Reflection of light
- Plane and spherical mirrors
- Sunlight
- Newton's disc

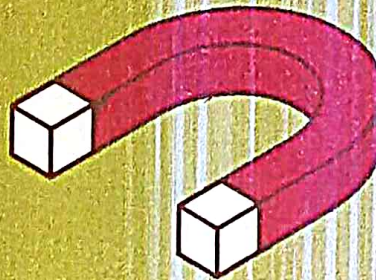


**Coordinator !!**

Internal Quality Assurance Cell (IQAC)  
RAICHUR-03.

### Get to learn

- understanding about different types of magnets
- understanding about electromagnetic properties
- will understand about light and its properties.



- Types of light source
- Propagation of light in different mediums

### TO JOIN CONTACT :

U Miss. Vimala K R (Department of physics)

U Mr. Akshay K ( Department of physics)



**TARANATH SHIKSHANA SAMSTHE**

**LAXMI VENKATESH DESAI COLLEGE**

**RE-ACCREDITED BY NAAC WITH 'B' GRADE**

**DEPARTMENT OF PHYSICS**

**2020-21**

PROVIDES

**COURSES**

ON

**FUN WITH LIGHT  
AND  
MAGNETS**

PRINCIPAL  
L.V.D. College, RAICHUR-03.



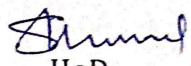
# LaxmiVenkatesh Desai College, Raichur


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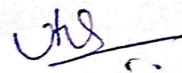
Department of Physics

Notice

All the B.Sc I/II/III year students are hereby informed that department of physics is introducing Add-on course titled "FUN WITH LIGHT AND MAGNETS" interested students should register their name to the course coordinator for the certificate course in physics department on or before 09.12.2020 at 1:40 PM to 2:30 PM

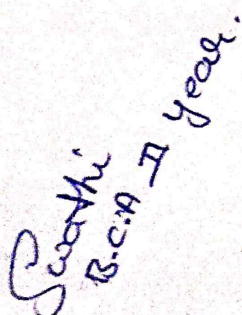
  
Head of the Physics Department  
L. V. D. College,  
RAICHUR-584 101

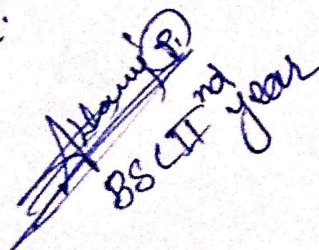
  
PRINCIPAL  
L.V.D. College RAICHUR-03.

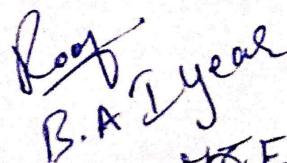


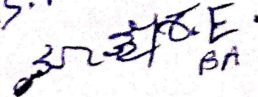


B.Sc I year

  
B.C.A II year.

  
BSC II<sup>nd</sup> year

  
B.A I year

  
BA



## SYLLABUS

# FUN WITH LIGHT AND MAGNETS

### COURSE OUTCOMES.

- Students able to understand about different types of magnets
- Students are able to understand about electromagnetic properties
- Students will understand about light and its properties.

### UNIT – I- Play with Magnets

- Magnetic and Non-Magnetic Materials
- Natural and Man-Made Magnets
- Properties of Magnets
- Earth's Magnetism
- Uses of Magnets

### UNIT – II- Light, Shadows and Reflections

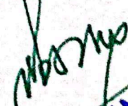
- Transparent, Translucent and Opaque Objects
- Shadows
- Eclipses
- Pinhole Camera

### UNIT – III- Rectilinear propagation of light

- Propagation of Light
- Reflection of light
- Plane and spherical mirrors
- Sunlight
- Newton's disc

### REFERENCES

1. UNIVERSITY PHYSICS BY Samuel J ling , Jeff Sanny, William Moebis.
2. College Physics By Paul Peter Urone.
3. NCERT SIXTH STANDARD TEXT BOOK

  
PRINCIPAL  
L.V.D. College, RAICHUR-03.



**LAXMI VENKATESH DESAI COLLEGE , RAICHUR.****ADD ON COURSE TIME TABLE FOR B.Sc I, III & V SEMESTER, DEPARTMENT OF PHYSICS, 2020-21.**

| TIME<br>DAYS     | 09-30 TO<br>10-20 AM<br>(THEORY) | 10-20 TO 12-00 PM<br>(IV SEM LAB) | 12-00 TO<br>12-50PM<br>(THEORY) | 12-00 TO 1-40PM<br>(II SEM LAB) | 01-40 TO<br>02-30 PM | 02-30 TO 04-10 PM<br>(VI SEM LAB) | 04-10 TO 5-<br>00 PM<br>(THEORY) |
|------------------|----------------------------------|-----------------------------------|---------------------------------|---------------------------------|----------------------|-----------------------------------|----------------------------------|
| <i>Monday</i>    |                                  |                                   |                                 |                                 | LUNCH<br>BREAK       |                                   | ADD ON<br>COURSE                 |
| <i>Tuesday</i>   |                                  |                                   |                                 |                                 |                      |                                   | ADD ON<br>COURSE                 |
| <i>Wednesday</i> |                                  |                                   |                                 |                                 |                      |                                   | ADD ON<br>COURSE                 |
| <i>Thursday</i>  |                                  |                                   |                                 |                                 |                      |                                   | ADD ON<br>COURSE                 |
| <i>Friday</i>    |                                  |                                   |                                 |                                 |                      |                                   | ADD ON<br>COURSE                 |
| <i>Saturday</i>  |                                  |                                   |                                 |                                 |                      |                                   | ADD ON<br>COURSE                 |

*Shravan*  
**Head of Department.**  
 Head of the Physics Department.  
 L. V. D. College,  
 RAICHUR-584 101.

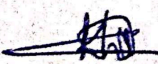
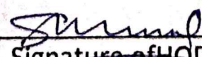
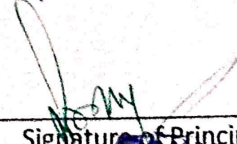
*M.D.M.*  
**Principal**  
 L.V.D. College, RAICHUR-03.



# Laxmi Venkatesh Desai College, Raichur

Affiliated to Gulbarga University, Kalaburagi & Re-Accredited by NAAC with B Grade

| Department of Physics |             |                     |  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                           |       |       |       |       |       |       |       |       |       |       |       |       |    |
|-----------------------|-------------|---------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| Attendance: 2020-2021 |             |                     | Value added certificate Course title: FUN WITH LIGHT AND MAGNETS |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | Faculty Name: khaja pasha |       |       |       |       |       |       |       |       |       |       |       |       |    |
| Sl.No                 | Register No | Name of the Student | 1  | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19                        | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    |    |
| 1.                    | 1953112     | LAKSHMANA           | P  | P     | P     | P     | P     | P     | A     | A     | P     | A     | P     | P     | A     | P     | A     | P     | P     | P     | P                         | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P  |
| 2.                    | 1953124     | VENKAT PRASAD G     | P  | P     | P     | P     | P     | P     | P     | A     | P     | P     | P     | A     | P     | P     | P     | P     | P     | P     | P                         | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P  |
| 3.                    | 1953139     | POOJA               | P  | P     | P     | P     | P     | P     | P     | A     | P     | P     | P     | P     | A     | P     | P     | P     | P     | P     | P                         | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P  |
| 4.                    | 1953166     | ROJA M              | P  | P     | P     | A     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P                         | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P  |
| 5.                    | 1953189     | MANJUNATH           | P  | P     | P     | P     | P     | P     | P     | A     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P                         | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P  |
| 6.                    | 1953283     | ROHITH YADAV        | P  | P     | P     | P     | P     | P     | P     | A     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P                         | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P  |
| 7.                    | 1953433     | G SOUMYA            | P  | P     | P     | A     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P                         | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P  |
| 8.                    | 1953470     | AFSHEENA NAAZ       | P  | P     | P     | P     | P     | P     | P     | A     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P                         | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P  |
| 9.                    | 1953503     | NETRAVATHI          | P  | P     | P     | P     | P     | P     | P     | A     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P                         | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P  |
| 10.                   | 1953506     | DEEPIKA S M         | P  | P     | P     | P     | P     | P     | P     | A     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P                         | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P  |
| 11.                   | 1953526     | NARESH              | P  | P     | P     | A     | P     | P     | P     | P     | A     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P                         | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P  |
| 12.                   | 1953529     | ABHISHEK            | P  | P     | P     | P     | P     | P     | A     | P     | P     | A     | P     | P     | P     | A     | P     | P     | P     | P     | P                         | A     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P  |
| Sign of faculty:      |             |                     | 15/02  | 16/12 | 22/12 | 29/12 | 30/12 | 05/01 | 06/01 | 11/01 | 12/01 | 19/01 | 20/01 | 27/01 | 29/01 | 30/01 | 02/02 | 03/02 | 05/02 | 09/02 | 10/02                     | 12/02 | 13/02 | 15/02 | 15/02 | 19/02 | 20/02 | 22/02 | 23/02 | 23/02 | 24/02 | 26/02 | 27/02 |    |
|                       |             |                     | KP   | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP                        | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP    | KP |

|   |  |  |
|---|--|--|
| <br>Signature of Faculty | <br>Signature of HOD<br>Head of the Physics Department<br>L. V. D. College,<br>RAICHUR-584101 | <br>Signature of Principal<br><b>PRINCIPAL</b><br>L.V.D. College, RAICHUR-03. |
|---|--|--|



| Register No     | Name of the Student | COURSE TITLE : FUN WITH LIGHT AND MAGNETS |       |       |       |       |       |      |      |       |       |       |       |       | FACULTY NAME: <i>Khaja Pasha</i> |       |       |      |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |    |    |    |    |    |    |    |   |
|-----------------|---------------------|---|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|----------------------------------|-------|-------|------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|----|----|----|----|---|
|                 |                     | 1   | 2     | 3     | 4     | 5     | 6     | 7    | 8    | 9     | 10    | 11    | 12    | 13    | 14                               | 15    | 16    | 17   | 18  | 19  | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 28   | 29   | 30   | 31   |      |    |    |    |    |    |    |    |   |
| 12.             | 1953113             | MANIKESHWARI                              | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  |    |   |
| 13.             | 1953121             | KAVYA                                     | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  |   |
| 14.             | 1953136             | SHIVANANDA                                | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  |   |
| 15.             | 1953140             | M SANDHYA                                 | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  |   |
| 16.             | 1953155             | SAVITA                                    | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  |   |
| 17.             | 1953157             | HEMAVATHI                                 | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  |   |
| 18.             | 1953158             | BHAGYA                                    | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  |   |
| 19.             | 1953166             | ROJA M                                    | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  |   |
| 20.             | 1953323             | SHIVA KUMAR                               | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  |   |
| 21.             | 1953349             | SHIVAREDDY                                | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  |   |
| 22.             | 1953373             | K CHAITANYA                               | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  |   |
| 23.             | 1953393             | M DEEPA                                   | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  |   |
| 24.             | 1953399             | SHAHISTA FATHIMA                          | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  |   |
| 25.             | 1953433             | G SOUMYA                                  | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  | P |
| 26.             | 1953440             | SANDHYA                                   | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  | P |
| 27.             | 1953493             | P SHIVANI                                 | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  | P |
| 28.             | 1953519             | ROOPA                                     | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  | P |
| 29.             | 195353              | SARITHA B                                 | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  | P |
| 30.             | 1953532             | KRISHNAPPA                                | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  | P |
| 31.             | 1953529             | ABHISHEK                                  | P     | P     | P     | P     | P     | P    | P    | P     | P     | P     | P     | P     | P                                | P     | P     | P    | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P  | P  | P  | P  | P  | P  | P  | P |
| Sign of faculty |                     |   | 15/12 | 16/12 | 22/12 | 29/12 | 30/12 | 5/12 | 8/12 | 11/01 | 12/01 | 19/01 | 20/01 | 27/01 | 29/01                            | 30/01 | 02/02 | 03/2 | 5/2 | 9/2 | 10/2 | 12/2 | 13/2 | 15/2 | 15/2 | 19/2 | 26/2 | 21/2 | 23/2 | 23/2 | 24/2 | 26/2 | 27/2 |    |    |    |    |    |    |    |   |
|                 |                     |   | 14    | 14    | 14    | 14    | 14    | 14   | 14   | 14    | 14    | 14    | 14    | 14    | 14                               | 14    | 14    | 14   | 14  | 14  | 14   | 14   | 14   | 14   | 14   | 14   | 14   | 14   | 14   | 14   | 14   | 14   | 14   | 14 | 14 | 14 | 14 | 14 | 14 | 14 |   |

Signature of Faculty

Signature of HOD

Signature of Principal

L.V.D. College, RAICHUR-03.



# LaxmiVenkatesh Desai College, Raichur

Affiliated to Gulbarga University, Kalaburagi & Re-Accredited by NAAC with B Grade

## Department of Physics

### Report of Add\_On course

Department of Physics has been conducted add-on Course for the interested students from 15.12.2020 to 27.02.2021. Around 32 students were enrolled for the course. After completing this course the students were able to understand about the properties light, magnets and earths magnetism. Students have taken the benefits from the course.

Add\_On course: FUN WITH LIGHT AND MAGNETS

Duration :30 hrs

Started on: 15.12.2020

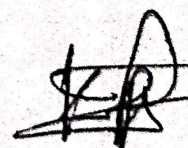
Completed on: 27.2.2021

Name of the Faculty : Sri. Khaja Pasha

Total No of Students admitted: 31

Total No of classes admitted: 30

Total No of Students benefited: 31



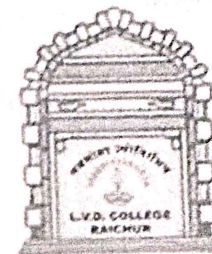
Sri Khajapasha  
Dept of physics





Taranath Shikshana Samsthe  
**Laxmi Venkatesh Desai College, Raichur.**

Affiliated to Gulbarga University, Kalaburagi & Re-Accredited by NAAC with B Grade



*Course Completion Certificate*

This Certificate is awarded to Miss/Mr. Rohith yadav

for successfully completing the course in "FUN WITH LIGHT AND MAGNETS" conducted by  
Department of Physics in the year 2020-21.

Faculty In charge

Head of the Department  
of the Physics Department  
L. V. D. College,  
RAICHUR-584101.

Principal  
PRINCIPAL  
L.V.D. College, RAICHUR-03.





Taranath Shikshana Samsthe

# LAXMI VENKATESH DESAI COLLEGE RAICHUR

(Re-Accredited by NAAC with 'B' Grade)

## Certificate

This is to Certify that Miss. / Mr. Lakshmana  
of B.Sc has completed the Certificate Course in  
Fun with Light and Magnets  
Conducted by the Department of Physics from  
15.12.2020 to 27.02.2021

Head of the Department



Principal  
L.V.D. College, RAICHUR-03.  
Principal






Taranath Shikshana Samsthe

# LAXMI VENKATESH DESAI COLLEGE RAICHUR

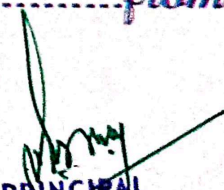
(Re-Accredited by NAAC with 'B' Grade)

## Certificate

This is to Certify that Miss. / Mr. Venkat Prasad. G.  
of B.Sc has completed the Certificate Course in  
Fun with Light and Magnets  
Conducted by the Department of Physics from  
15.12.2020 to 27.2.2021

  
Head of the Department



  
PRINCIPAL  
L.V.D. College, RAICHUR-03.  
Principal



Taranath Shikshana Samathe's  
**LAXMI VENKATESH DESAI COLLEGE, RAICHUR.**  
**DEPARTMENT OF PHYSICS**

**Course Title – Fun with light and magnets**

**Time: 30 Minutes**

**Max Marks: 40**

**Instructions to candidates:**

*1. Answer all the questions.*

---

**1). The most suitable material for making the core of an electromagnet is:**

- a. Steel
- b. Iron
- c. Soft iron
- d. Aluminium

**2). Which of the following is not attracted by a magnet?**

- a. Steel
- b. Cobalt
- c. Brass
- d. Nickel

**3). When a straight conductor is carrying current:**

- a. There are circular magnetic field lines around it
- b. There are magnetic field lines parallel to the conductor
- c. There are no magnetic field lines
- d. None of the above

**4). Who first discovered that the earth revolves around the Sun.**

- a. Newton
- b. Dalton
- c. Copernicus
- d. Einstein

**5). The planet which is nearest to sun is**

- a. Neptune
- b. Mercury
- c. Earth
- d. Mars



6). A total eclipse occurs when the observer is within the \_\_\_\_\_

- a. Antumbra
- b. Umbra
- c. Penumbra
- d. None of the above

7). A lunar eclipse occurs when the \_\_\_\_\_ shadow falls on the Moon.

- a. Sun's
- b. Earth's
- c. Stars
- d. Galaxy

8). The Moon orbits the Earth in \_\_\_\_\_.

- a. 33.3 days
- b. 32.3 days
- c. 27.32 days
- d. 21.7 days

9). In an eclipse where the Moon, Sun, and Earth are involved, they are nearly in a \_\_\_\_\_.

- a. Circle shape
- b. Oval shape
- c. Straight line
- d. Polygon shape

10). Pinhole camera features \_\_\_\_\_.

- a. Single-lens
- b. Double lens
- c. Both single and double lens
- d. No lens




# Laxmi Venkatesh Desai College, Raichur

(Affiliated to Gulbarga University, Kalaburagi & Re-Accredited by NAAC with B Grade)

Value added certificate Course: FUN WITH LIGHTS AND MAGNET

## Marks Sheet

| SL.NO | REGISTER NUMBER | NAME OF THE STUDENT | MARKS |
|-------|-----------------|---------------------|-------|
| 1.    | 1953112         | LAKSHMANA           | 38    |
| 2.    | 1953124         | VENKAT PRASAD G     | 38    |
| 3.    | 1953139         | POOJA               | 38    |
| 4.    | 1953166         | ROJA M              | 40    |
| 5.    | 1953189         | MANJUNATH           | 40    |
| 6.    | 1953283         | ROHITH YADAV        | 40    |
| 7.    | 1953433         | G SOUMYA            | 40    |
| 8.    | 1953470         | AFSHEENA NAAZ       | 40    |
| 9.    | 1953503         | NETRAVATHI          | 39    |
| 10.   | 1953506         | DEEPIKA S M         | 39    |
| 11.   | 1953526         | NARESH              | 39    |
| 12.   | 1953529         | ABHISHEK            | 38    |
| 13.   | 1953113         | MANIKESHWARI        | 38    |
| 14.   | 1953121         | KAVYA               | 39    |
| 15.   | 1953136         | SHIVANANDA          | 39    |
| 16.   | 1953140         | M SANDHYA           | 39    |
| 17.   | 1953155         | SAVITA              | 39    |
| 18.   | 1953157         | HEMAVATHI           | 39    |
| 19.   | 1953158         | BHAGYA              | 39    |
| 20.   | 1953166         | ROJA M              | 40    |
| 21.   | 1953323         | SHIVA KUMAR         | 40    |
| 22.   | 1953349         | SHIVAREDDY          | 40    |
| 23.   | 1953373         | K CHAITANYA         | 40    |
| 24.   | 1953393         | M DEEPA             | 38    |
| 25.   | 1953399         | SHAHISTA FATHIMA    | 38    |
| 26.   | 1953433         | G SOUMYA            | 38    |
| 27.   | 1953440         | SANDHYA             | 38    |
| 28.   | 1953493         | P SHIVANI           | 38    |
| 29.   | 1953519         | ROOPA               | 39    |
| 30.   | 195353          | SARITHA B           | 39    |
| 31.   | 1953532         | KRISHNAPPA          | 39    |
| 32.   | 1953529         | ABHISHEK            | 39    |

  
Sri. Khaja Pashe  
Dpt of Physics