

Dr. B. B. Hegde First Grade College, Kundapura

REGULATIONS GOVERNING CERTIFICATE COURSE

1. **Title:** The programme shall be called Certificate course in respective disciplines.
2. **Eligibility for Admission:** A candidate admitted to any degree in Dr. B. B. Hegde First Grade College is eligible for admission to certificate course.
3. **Duration:** Duration of the certificate course shall be minimum of 30 hours of instruction including practical and should be completed in an academic year.
4. **Medium of instruction:** Medium of instruction and examination shall be in English/Kannada.
5. **Attendance:** A candidate shall be considered to have a satisfied requirement of attendance for the programme, if he/ she attends not less than 75% of classes actually held in each subject computed for theory or practical where ever applicable. However, shortage of attendance of 60% is condoned by the coordinator of the certificate course or the Principal.
6. **Hours of instruction and examination:** 30 hours minimum instruction.

Hours: 2 hrs/ week

Duration of Exam: 3 hrs.

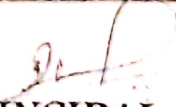
Max. Marks: 100/Subject

Min. Marks: 35%

Percentage of marks for declaration of grades: The grades are declared as following:

Aggregate percentage	Grade point	Alpha sign grade	Class
90% and above	9	O	First class with distinction
80% and above but below 90%	8	A ^{**}	
70% and above but below 80%	7	A [*]	
60% and above but below 70%	6	A	First Class
55% and above but below 60%	5	B [*]	High Second Class
50% and above but below 55%	4	B	Second Class
35% and above but below 50%	3	C	Pass Class
Below 35%	2	D	Fail


Principal
Dr. B.B. Hegde First Grade College
Kundapura -576201


PRINCIPAL
Principal
Dr. B.B. Hegde First Grade College
Kundapura -576201

GUIDELINES FOR CONDUCTING CERTIFICATE COURSE

IN

Dr. B. B. Hegde First Grade College, Kundapura

1. The Students are permitted to take up any number of certificate courses according to their wish during the regular study in the College.

2. Admission procedure for certificate course:

2.1 Each department should provide the detailed syllabus and examination pattern of certificate course by the last working day of academic year for admission in the next academic year for the programme to the coordinator of certificate course.

2.2 The Coordinator would prepare the list of all available certificate courses and publish it in the prospects of the College and publish in the College notice board for admission.

2.3 A student desired to admit to certificate course shall obtain application form from College office and submit it to the Head of the department of the concerned department organizing certificate course.

2.4 The Head of the department of departments should submit the application form to the coordinator.

2.5 The coordinator should publish the list of selected candidates and students should pay the fee within a week after publication of list.

2.6 The Head of the departments are required to enroll the students for classes after verifying fee paid receipt.

2.7 A student once joined the course is not permitted to discontinue for any reason and in no circumstances the fee paid will be refunded.

3. Examination:

3.1 After completion of course each department should submit the attendance particulars and details of class conducted to the coordinator, on approval of coordinator the examination process can be initiated.

3.2 Each department should prepare question paper in accordance with the regulations and conduct the examination.

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Kundapura - 576101



- 3.3 After the evaluation, mark sheet of students should be submitted to coordinator of the programme as per the schedule.
- 3.4 If student fails to get the minimum percentage of marks then they should appear for re-examination when it is offered.
- 3.5 The certificate will be issued by the coordinator through College office with seal and signature of the Principal.

4. Academic calendar for certificate course:

- 4.1 Admission to the course: Within 15 days after reopening of College/Semester.
- 4.2 Publication of selected course: First week after reopening of College/Semester.
- 4.3 Payment of fees: Within third week after reopening of College/Semester.
- 4.4 Submission of shortage of attendance and course completion form to coordinators: Two weeks before commencement of examination.
- 4.5 Examination: one week before last week of respective academic year/ semester.
- 4.6 Announcement of result: Before commencement of next academic year.
- 4.7 Issue of certificate: First week of next academic year/ semester.



Principal
Dr. B.B. Hegde First Grade College
Kundapura -576201


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REMUNERATION AND FEES OF CERTIFICATE COURSE

1. Remuneration for the conductance of course should be approved by the coordinator of the course and the Principal of Dr. B. B. Hegde First Grade College, Kundapura.
2. Remuneration for teachers should be predecided in consultation with coordinator and the Principal by respective head of the departments or programme in-charge of respective course.
3. The fee for each course should be decided by the coordinator of the course with consultation of the Principal.
4. The fee would be collected by the college office and all the expenses will be paid by the office.
5. Except in the case of unavoidable conditions, expenses of the course should not exceed the income.


Principal
Dr. B.B. Hegde First Grade College,
Kundapura -576201


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**Documents to be submitted to the Coordinator of Certificate
course
by the HOD**

1. Application Form
2. Certificate Course Profile
3. Syllabus copy in prescribed format
4. Budget Form
5. List of students with allotted Register No.
6. Admission Register
7. Attendance Register
8. Attendance Shortage Form
9. Course Completion Form
10. Expense Form With Bills
11. Marks Card


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Dr. B. B. HEGDE FIRST GRADE COLLEGE
KUNDAPURA


Certificate Course

Electrical Appliances & Repairs

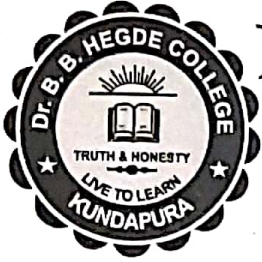
This is to certify that Mr./Miss.....*KAVYA*.....

has successfully completed Electrical Appliances & Repairs Certificate Course

during the year....*2021-22*.....


Principal
Dr. B. B. Hegde College
Kundapura - 576201


Satish Shetty
Chief Co-ordinator



Dr. B. B. HEGDE FIRST GRADE COLLEGE KUNDAPURA


Certificate Course

Electrical Appliances & Repairs

This is to certify that Mr./Miss.....ABHISHEK.....

has successfully completed Electrical Appliances & Repairs Certificate Course

during the year...2021-22.....


Principal
Dr. B. B. Hegde First Grade College
Kundapura - 576201
Principal


Satisht Shetty
Chief Co-ordinator

Dr. B. B. Hegde First Grade College, Kundapura
Application for Certificate Course : 2021-22

Name of the Student : Juavesh
Class & Section : I BCA
Roll No. : CA21028
Father's Name : KORUNAYARA BHAT
Mother's Name : GLEETHA BHAT
Guardian's Name :
Contact Number : 8147029740
Email ID : juaveshbhat001@gmail.com
Permanent Address : Arangala Tras.




Preference in Numbers from 1 to 12 :

- | | |
|-------------------------------------|------------------------------------|
| 1. Consumer Education | <input type="checkbox"/> |
| 2. Functional English | <input type="checkbox" value="5"/> |
| 3. Yakshagana | <input type="checkbox"/> |
| 4. Event Management | <input type="checkbox" value="3"/> |
| 5. Rural Marketing | <input type="checkbox" value="4"/> |
| 6. Computer Fundamentals | <input type="checkbox"/> |
| 7. Public Administration | <input type="checkbox"/> |
| 8. Fashion Designing | <input type="checkbox"/> |
| 9. Yoga and Meditation | <input type="checkbox"/> |
| 10. Soft Skills Development | <input type="checkbox"/> |
| 11. Electrical Appliances & Repairs | <input type="checkbox" value="2"/> |
| 12. Stock Marketing Operations | <input type="checkbox" value="1"/> |

Undertaking :

I abide all the rules and regulations relating to the certificate courses offered by the Departments.


Signature of the Parent


Signature of the Student

Date : 12/05/2022
Place : Kundapura

(For office use only)

Admitted to Electrical appliances Certificate Course during the Academic Year 2021-22.


Coordinator


Principal
Dr. B.B. Hegde First Grade College
Kundapura - 576202

Dr. B. B. Hegde First Grade College, Kundapura

Application for Certificate Course : 2021-22

Name of the Student : PRASHANTH HEBBAR
Class & Section : J Bc A
Roll No. : CA21040
Father's Name : SHRI PATHI HEBBAR
Mother's Name : SUGUNA HEBBAR
Guardian's Name : -
Contact Number : 9845242750
Email ID : prashanthahebbay200414@gmail.com
Permanent Address : Dasaramane Moodumata Viloor-11



Preference in Numbers from 1 to 12 :

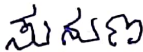
- | | |
|-------------------------------------|------------------------------------|
| 1. Consumer Education | <input type="checkbox"/> |
| 2. Functional English | <input type="checkbox"/> |
| 3. Yakshagana | <input type="checkbox"/> |
| 4. Event Management | <input type="checkbox" value="3"/> |
| 5. Rural Marketing | <input type="checkbox" value="4"/> |
| 6. Computer Fundamentals | <input type="checkbox"/> |
| 7. Public Administration | <input type="checkbox" value="5"/> |
| 8. Fashion Designing | <input type="checkbox"/> |
| 9. Yoga and Meditation | <input type="checkbox"/> |
| 10. Soft Skills Development | <input type="checkbox"/> |
| 11. Electrical Appliances & Repairs | <input type="checkbox" value="2"/> |
| 12. Stock Marketing Operations | <input type="checkbox" value="1"/> |


Electrical App

21

Undertaking :

I abide all the rules and regulations relating to the certificate courses offered by the Departments.


Signature of the Parent


Signature of the Student

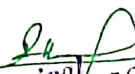
Date : 20/5/2022

Place : Kundapura

(For office use only)

Admitted to Electrical Appliances Certificate Course during the Academic Year 2021-22.


Coordinator


Principal
Dr. B.B. Hegde First Grade College
Kundapura - 576201

Dr. B.B. Hegde First Grade College, Kundapura
Certificate Course - :Electrical Appliances & Repairs: 2021-22

Sl. No	Roll No	Class/ Section	Student Reg No	Student Name	Remarks
1	CM21006	I B.Com A	U05BB21C0082	AKSHAY	
2	CM21024	I B.Com A	U05BB21C0031	HARISH	
3	CM21030	I B.Com A	U05BB21C0088	M PRAJWAL NAYAK	
4	CM21045	I B.Com A	U05BB21C0083	PRAJWAL KUMAR SHETTY	
5	CM21081	I B.Com B	U05BB21C0016	AKSHATHA HARIKANTHA	
6	CM21106	I B.Com B	U05BB21C0094	KAVYA	
7	CM21172	I B.Com C	U05BB21C0151	DHEERAJ	
8	CA21002	I BCA	U05BB21S0001	ABHISHEK	
9	CA21007	I BCA	U05BB21S0005	ANAND KRISHNA KHARVI	
10	CA21013	I BCA	U05BB21S0011	ASHRITH	
11	CA21015	I BCA	U05BB21S0013	CHETAN KUMARA B	
12	CA21016	I BCA	U05BB21S0014	CHIRAG PUTHRAN	
13	CA21029	I BCA	U05BB21S0026	KEERTHAN	
14	CA21040	I BCA	U05BB21S0033	PRASHANTH HEBBAR	
15	CA21042	I BCA	U05BB21S0035	PRATHYAKSH	
16	CA21053	I BCA	U05BB21S0100	SANJAY	
17	CA21062	I BCA	U05BB21S0052	SHRINAG HEBBAR	
18	CA21064	I BCA	U05BB21S0054	SUDEEP	
19	CA21067	I BCA	U05BB21S0101	DARSHAN	
20	CA21069	I BCA	U05BB21S0057	VIGNESH	
21	BA21004	I BBA	U05BB21M0032	ARUL PEREIRA	
22	SC21001	I B.Sc	U05BB21S0069	ABHISHEK	
23	SC21005	I B.Sc	U05BB21S0071	GANESHA S PUTHRAN	
24	SC21006	I B.Sc	U05BB21S0073	GOUTHAMI	
25	SC21012	I B.Sc	U05BB21S0078	KEERTHAN N	
26	SC21017	I B.Sc	U05BB21S0083	PARTHESH	
27	SC21026	I B.Sc	U05BB21S0091	SHASHAL	


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Dr. B. B. Hegde First Grade College, Kundapura
Department of Physics

**Certificate course on Electrical appliances and
repairs**

Budget for the year 2021-22

Receipts	₹	Payments	₹
Fees Collection from students (27x250)	6750	Certificate Study materials Staff remuneration Refreshment Miscellaneous	600 1000 3300 1500 350
	6750		6750

Chaitra
Co-ordinator

[Signature]
Principal
Dr. B.B. Hegde First Grade College
Kundapura -576201

Dr. B. B. Hegde First Grade College Kundapura

Certificate Courses: 2021-22

Result Sheet

Course Name: Electrical Repair & Appliances

Total Marks: 60

Co-ordinator: Ms Chaitra

Sl. No.	Name	Roll No.	Marks Obtained out of 60	Marks converted to 100	Grade point	Alpha Sign Grade
1	Akhilesh	cm21004	50	84	8	A++
2	Chethan	cm21015	52	87	8	A++
3	Abhay	cm21017	49	82	8	A++
4	Kaathilka	cm21026	46	77	7	A+
5	m. Jaewad	cm21032	55	92	9	O
6.	Shabereesh	cm21051	52	87	8	A++
7	Bhath KC	cm21086	57	95	8	A++
8	Sharith S	cm21088	58	97	8	A++
9	Kishan	cm21108	48	80	8	A++
10	m. Arjun	cm21112	48	80	8	A++
11	Nirmitha	cm21116	54	90	9	O
12	Nishmitha	cm21117	55	92	9	O
13	Pooja	cm21121	57	95	9	O
14	Drajwal	cm21123	56	94	9	O
15	Sodaj	cm21141	50	84	8	A++
16	Soebhagya	cm21142	59	99	9	O
17	Suvain T	cm21146	45	75	7	A+
18	Vijetha	cm21151	51	85	8	A++
19	Vinou	cm21152	53	89	8	A++
20	Akash	cm21160	55	92	9	O
21	Bramananda	cm21165	50	84	8	A++
22	Chidananda	cm21170	51	85	8	A++
23	Keethon	cm21180	52	87	8	A++
24	Prothik	cm21197	47	79	7	A++
25	Preehti PR	cm21199	59	99	9	O
26	Rajesh	cm21201	55	92	9	O
27	shayon	cm21212	51	85	8	A++

Dr.B.B.Hegde First Grade College Kundapura
Certificate course: Electrical Appliances and Repairs

Duration:3 hrs

Marks:60

General Instructions:

- (a) All parts are compulsory.
(b) Answers without relevant diagram/figure/circuit wherever necessary will not carry any marks

PART-A

I. Answer all Five questions.

5x2=10

1. What are the components of home thermal appliances are made up?
2. How is the momentum torque relationship quadrilateral w.r.t electric conductor?
3. Which is the most affected device due to a change in supplied voltage?
4. Which is the insulation material used in an electric iron?
5. Which of the device is used as heating unit of an electric kettle?

PART-B

II. Answer all Six questions.

5x6=30

1. Explain about single phase circuit with relevant diagram.
2. Write short note on RMS value and AC waveforms.
3. Write a note on electrical safety.
4. What are the basic concept of household wiring and explain.
5. How to do house wiring?
6. Explain the methods of electrical wiring system.

PART-C

III. Answer all two questions.

10x2=20

1. Explain the characteristics of dc shunt motor.
2. Explain the different types of dc motor with neat sketch.


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Dr. B.B. Hegde First Grade College Kundapura

Certificate course

Electrical Appliances and Repairs

Syllabus (Theory-15hrs)

UNIT I

Basics of Current electricity: Electric current, Ohms law, emf, resistance in series & parallel. Electric power, KWh, battery connected in series and parallel (brief discussion). Alternating current, frequency, period, rms value, generator, reactance, impedance, capacitor, inductor, choke & transformer, principle of generator. (5 hrs)

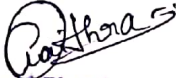
UNIT II


Working principle of Appliances: working of switches(1-way 2-way), principle and working of regulator, principle and working of starter and chokes, application of fuses, ELCB (Earth leakage circuit breaker) principle and working of lightning conductor, principle and working of iron box, principle and working of filament bulb, tube light, fluorescent bulb and LED bulbs, working of ceiling and table fan, working of Mixer and Grinder, working of Fridge (10 hrs)


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Practical's (15 hrs)

SI.NO	PRACTICALS
01	Working of 1-way Switches
02	Working of 2-way Switches
03	Working of Regulator
04	Working of Iron Box
05	Working of filament bulb and LED
06	Working of Tube light
07	Working of Mixer


H.O.D. of Physics
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