01/12/2021

. The departmental meeting is held on 01-12-221 in phrisis deportment under the incherge of Dr GUS Tayapale Rao. The following agenda is to be discussed.

Agende:

O Prepardar es records de NAAC

@ Website updation

1 To conduct certificat course by neve " Servicing and maintainne of A.C and microuve over!

10 7 Mal 36 of ment

From
Dr. G V S Jayapala Rao, In charge
Department of Physics,
Govt. Degree College for Men,
Srikakulam.

To
The Principal,
Govt. Degree College for Men,
Srikakulam.

Subject: Request to Introduce Certificate Course for UG -B.Sc. Students - Reg. Respected Madam,

The Department of Physics in its meeting held on 01-12-2021 at Department of Physics passed a resolution to request the introduction of a certificate course on Servicing of Air Conditioner and Microwave Oven for B.Sc. students at Govt. Degree College (Men), Srikakulam. This course will provide valuable additional knowledge, skills, and opportunities, enhancing our student's academic and career prospects. Your consideration of this request is greatly appreciated.

Thanking you Madam,

Yours Sincerely,

GOVERNMENT DEGREE COLLEGE (MEN), SRIKAKULAM

REACCREDITED by NAAC with B++ CGPA (2.90) Affiliated to Dr.BR. Ambedkar University, Srikakulam

SRIKAKULAM - 532001, ANDHRA PRADESH, INDIA

Ph No: 9948121716 | E-Mail: srikakulam.jkc@gmail.com |Website: www.gcmsklm.ac.in

Dt. 02.12.2021

Department of Physics Circular

This is to inform you all that Department of Physics is going to conduct Certificate Course on "Servicing of Air conditioner and Microwave Oven" from 16-12-2021 for 30 hours during the working days of the college in Physics Lab. The final year degree students who have the interest to join in the course are requested to give your name to Dr. G V S Jayapala Rao, In-charge Dept. of Physics, on or before 15-12-2021.

Dept. of Physics

Charge

t. Degree College (Men)

SRIKAKULAM.

CERTIFICATE COURSE BROCHURE: 2021-22



GOVERNMENT DEGREE COLLEGE (MEN)

ACCREDITED BY NAAC WITH B++ (CGPA 2.90)

Srikakulam - 532001, Andhra Pradesh, India

ph: 08942 222383 e-mail: info@gdcmsklm.ac.in website: https://www.gdcmsklm.ac.in



Servicing of Air Conditioner and Microwave Oven Offered by

Department of Physics, Govt. Degree College for Men, Srikakulam

About the Course:

This certificate course covers servicing techniques for air conditioners and microwave ovens, including maintenance, troubleshooting, and repair procedures. Students learn about electrical components, refrigeration systems, and safety protocols. Practical skills are emphasized to prepare individuals for careers in appliance servicing and repair.

Number of Credits: Nil Mode of Teaching: Offline

Course Contents: This certificate course covers fundamentals of air conditioner and microwave oven servicing, including troubleshooting, repair techniques, safety protocols, and maintenance procedures. Students learn about refrigeration systems, electrical components, diagnostics, and customer service skills. Hands-on training emphasizes disassembly, cleaning, reassembly, and testing of both appliances to ensure proper functioning.

References: 1. https://www.nrel.gov/docs/fy13osti/56283.pdf

2. The Complete Microwave Oven Service Handbook: Operation, Maintenance, Troubleshooting and Repair Hardcover – Import, 1 January 1989 by J.Charlton Gallana

Eligibility Criteria: B.sc final year Mathematical Science students only.

Fee Structure: NIL Important Dates

Registration start date : 06.12.2021
Last date for registration : 15.12.2021
Commencement of classes : 16.12.2021
Last class work : 29.01.2022
Date of final examination : 31.01.2022

Paper Code: GCMPHY03

Admission Procedure: Interested participants can complete the registration process through the following registration forms for the above course is available at the department of Physics. Admission process for this course is on first-come-first-serve basis and the last date for registration to the courses 15.12.2021.

Class Duration: Classes will be held for 30hours starting from 16.12.2021. Every week classes will be held on Monday to Friday (except for the national holidays/festivals). Final examination will be conducted on 31.01.2022. The class timings will be 4.30–5.30 hours IST (except for the day of the final examination).

Assessment: Assessment will be based on completion of theory and practical in the test conducted at the end of the course. The participant must obtain at least 50% in the test to avail the course completion certificate.

Course Coordinator

Sri Mohanarao Barri, Lecturer in Physics, Department of Physics

	1800	xxxx pl	2021-2022	TUBSE (MPK MPG MPE)
	E	xpt.No.:	Date :	Page No :
	E	xpt.Name :		
Sin	1014	E. Dîleep		- Oiles
1	1019	G. Vinayaka		E. Dillip
	1036	P- Poorna Chande		G. vinayaka
2		S. Lavangalaxmana		P. Poorna Chemdu
4		D. Chandra Rao		3. Laxmora
1				D. Chandra Ras
		J. REnathi Pathi		J. Rembi
		Kura Sri Ram		k. Bri ram
		MANDA Harshavardhan		M. Glarsha Vardhan
		Nethinti Tirupathi		N. Tioupathi
V	1044	Seepana Koteshwan Ra	0	S. Koterhiar 9100
11	1050	V. Venkata Ramana		V. Venkala Romana
	1000000	Arika vinod kumar		A Vinod Kumar
		Ganga Pavithra	-	G. Parthra
		Gotivada sui Prasad		G. Sai porasad
11	3021	K. Akshay kumar		K. AKSHAY KUMAR
		Kurangi Liteep kuman	(Ir. Alteep kuman
		N. Laxmi prasanna		N. Laxmi pravanna.
		P. Dileep		P. Dilup.
19	3045	Tadela Joya Rao.		T. Joya rao
100142	002	Anupoju Priyanka		Anupoju: Joyakao
4	003	Attada manoj kumar	+	A. manoj kumar
		B. Jawahar Babu	A PROPERTY OF	B. Jawaharhabu
U	2015	D. Vinay	B) vinay.
2	2017	Darru Ramya sri	1	-Ramyaszi
		kakasla Vamsi		Jamili
		Loddi Ramya		1. Ramyer
		Nirmala Pradhan	N	Rosadhan.
20	42	1. Strain	P	らいか
28	44	1. Straji R.A. Naidn T-Dann Predken	'PA	Boradham Siriji ignapuredan
201			1 न	gipteous
	S.K.B.	W	The Land North	

GOVT. DEGREE COLLEGE(MEN), SRIKAKULAM DEPT. OF PHYSICS

CERTIFICATE COURSE ON

SERVICING OF AIR CONDTIONER AND MICROWAVE OVEN

Duration: 30 Hrs Year: 2021-22

SYLLABUS

Course Objectives:

- 1. Understand the functioning and components of air conditioning systems.
- 2. Develop skills to diagnose and troubleshoot AC problems.
- 3. Learn safety procedures and maintenance techniques for AC units.
- 4. Gain knowledge of different types of microwave ovens and their components.
- 5. Acquire skills to service and repair common issues in microwave ovens.
- 6. Apply practical knowledge through hands-on training and assessments.
- 7. Prepare for a career in appliance repair and servicing.

Module 1: Introduction to Air Conditioner (AC) Systems (6 hours)

- Overview of AC systems and types
- Components of an AC unit
- Basic functioning and principles
- Safety precautions in AC servicing

Module 2: AC Troubleshooting and Maintenance (8 hours)

- Diagnosing common AC problems
- Understanding refrigerant systems
- Cleaning and servicing AC units
- Preventative maintenance techniques

Module 3: Microwave Oven Fundamentals (6 hours)

- Types of microwave ovens
- Microwave oven components and their functions
- Microwave oven safety guidelines
- Introduction to microwave oven cooking methods

Module 4: Microwave Oven Servicing and Repairs (10 hours)

- Identifying microwave oven issues
- Repairing common problems like faulty magnetrons or control boards
- Microwave oven disassembly and reassembly
- Testing and calibration of microwave components

Module 5: Final Assessment and Practical (2 hours)

- Hands-on assessment of AC and microwave oven servicing skills
- Written examination on course material
- Certification upon successful completion

MODEL PAPER FOR CERTIFICATE COURSE

DEPARTMENT OF PHYSICS

COURSE CODE: GDCMPHY03

(Servicing of Air Conditioner and Microwave Oven)

MAX.MARKS:50 TIME: 02HOURS

Theory Section (30 Marks)

Section A - Air Conditioner Servicing (15 Marks)

- 1. Explain the working principle of an air conditioner. (5 marks)
- 2. List and describe three common problems encountered in air conditioners and their troubleshooting steps. (5 marks)
- 3. Discuss the safety precautions to be followed while servicing an air conditioner. (5 marks)

Section B - Microwave Oven Servicing (15 Marks)

- 4. Describe the main components of a microwave oven and their functions. (5 marks)
- 5. Explain the procedure for testing a microwave oven for proper functioning. (5 marks)
- 6. Discuss two safety hazards associated with microwave oven servicing and how to prevent them. (5 marks)

Practical Section (20 Marks)

Section A - Air Conditioner Servicing (10 Marks)

- 1. Demonstrate how to clean the air filters of an air conditioner. (5 marks)
- 2. Show the correct method of checking and topping up refrigerant levels in an air conditioner. (5 marks)

Section – B Microwave Oven Servicing (10 Marks)

- 3. Demonstrate how to test the continuity of a microwave oven's door switch. (5 marks)
- 4. Show the proper way to replace the fuse in a microwave oven. (5 marks)

			Cest	ficate (own	2:07	2 hysoc	2		2021	-2022				Tier.	L STA	
	Nam	2019 - ne of th	2022 e Institute 19 00/4/0/4	TER OF						OR TH			11	000	2	21.103	
3	SI. No.	Admission No.	NAME	CASTE 2 2	THE RESIDENCE OF			28/20	7/2 7	13 15 16	市市市	29 18 6	20 21	2220 2	(43	\$ 31 Pr	resent D
MPC)			E. DILGEP	Pa		Pal	CONTRACTOR NAMED IN	PPP	-	Pal		7					
			G. VINAYAKA	Pa		21	500	201	Po	app	pap	121	PP	PPa	PP	P	1860
			P. POORNA CHANDU	ap	P P a a	Pa	Total Inc.	PPR	1	900	app	ZPP	ap	PP	88	1 414	
100	4	1045	3. LAXMANA	8 9	00	P.P.		2 9 9		PPP	PaP	8 of	8 9	PPP	Pa	P	Ser Cal
	3	1013	J. RENATHI PATHI		Pa			PPP	a 1	laf	PPa	PPF	ap	PPa	191	2 -	- (4)
	4	1020	KUNA SRI RAM	Q P	PP		DATE SECURITY SEC	Pap	a	PPP	200	PPQ	PP	101	Pa	P	
PAL			MANDA HARSHAVANDHAN			rai		. 91			PPPI	PP	0	0 6	9 6	4	-
			NETHINT; TIRUPATHI	PP	Pa	PP	Pa			666	apa	RC	RAF	000	00	0	1 45
			SEEPANA KOTESWARA RAD	Pa	PP	aa		2 PP		PPPE	0028	Pal	PPP	Pa	paa	P	-
-			V. VENKATA RAMANA	PP	Pa	PP	Marie Marie Street	Pal	a		8 8 8 0						47
19001	30	01	ARIKA VINDO KUMAR	Pa	ap	Pa	800	2 9 9		Pap							array.
HPE			GANGU PAVITRA	29		99	10	PPP		PPP	2ap	PPPI	PPQ	00	8 9 9	P	1455
4 64			GOTIVADA SAI PRASAD	PP	60		THE RESERVE OF	2 0 9	P	P 8 8	PPP	PPPI	PaP	. 1	9.6	8.	3
			K AKSHAY KUMAR	ap				PPa	P	PPP	2 9 9.	PPa	PRP	PP	999	P	1 25/24
	16	30.26	KURANGI LITEEP KUMAR	PP		PP		Ppa		b.b.							(105)
	口口	3034	N. LAXMI PRA SANNA		ap	Pa	pa	Pap	P	PPP	PPP	PPP	PIT	9 9	PPa	P	Tak
1			p. Dileep	ap	9 9	9 9	8 a	8 8 8	P	PPP	PPP	PPP	Pal	PP	PPK	0	
-			TADELA JOYARAO	Pa	PP	Pa	PP	PPP	P	a P P	rea	PP	Y	110	PFI	1	
90014 HPZZ	∞2 ~~~		ANUPOJU. PRI Janka	PP	- 0 0	D 0	0 ,	0 . 0	0	PPP	000	0 8 0	001	081	PIR		260
		-	ATTADA MANON KUMAR	ap		PR		Papa	P	PPP	000	0 8 0	PPP	Pa	POP	9	44 100
1			B. JAWAHAR BABU.				The Person of th	Pee	0	008	0 8 1	eap	PPE	P	191	8 4	and a
2.3			DHARMANA VINAY	PP		Pa		Pal	0	080	OPA	o Pa	Pal	PP	8 8 8	P	1000
1950	24	2017	DARRU. RAMY SR'	9 9			_	918	P	098	008	PPV	Pai	IX	K	1	1100
1300			KAKARIA VAMSI	Pa				app	0	PPP	aPI	PPP	PP	1 a P	PPI	P	Links
	26	2029	LODDI RAHYA	PP		8 8	0 6	99.	P	PPP	PPP	PP	PPI	PPP	PPI	P	1998
			MIRMALA PRADHAN	ap			ad	198	P	PPP	PPP	a P P	PP	PR	PV	P	0.00
1,743	28	2042	PONDADA SIVAVIO	P P	ap	ap	88	Pal		PPP	PPa	PP	PP	0 0	PP	P	1011
3			RAKOTI AMMAN NAIDU		pa				P	PYP	PaP	PPF	Pa	RIPP	00	0	7163
	30	2048	TAMIRA BAND. PRADUA	0 01	PP			P Pa	1	Par A	Carro	B ()	Endan	RY	PRYPO	485	1
				60	24%	an da	CHA!	x 60 80	-	1550	N. A.	sak a			0000		





ConsolidatedFeedback

Totalno.ofParticipants = 30

No.of participants from whom feed back is collected= 3

S.No			pantsgraded" es"	No.ofpar	rticipantsgrade	d"No"	
1	Did the event fulfilit' subjective	30	2	B 10			
2		No. ofparticipa ntsgraded -	No. ofparticipa ntsgraded – 2	No. ofparticipa ntsgraded -	No. ofparticipa ntsgraded -	No. ofparticipa ntsgraded -	
3	How useful was the event for you			3	12	-15	
1	Ratetheoveralls uccessoftheeve nt			2	12	16	
	keytakeawaypo ints from theevent	-> Very w	rebul				
			antine of classes			d	

Coordinator





Feedback

NameoftheCertificateC ourse	Servicing of Air Conditioner and Microwave Oven
Department	Physics
Date	31.01.2022
Nameoftheparticipant	K. AKSHWY KUMAR
Group	M-P-E

1. Did the event fulfilit'sobjectives?



2. Howusefulwas theevent foryou?(0being Not usefuland 5 Mostuseful)

			/	
0 1	2	3	4 /	5

3. Ratetheoverallsuccessofthecourse(0being Notuseful and 5Most useful)

0	1	2	3	4	5 🗸

- 4. Listthekeytakeaway points from the vervicing of Air conditioner
- 5. Suggestionsif any

please continue this course to our Juniours.

K. Atshay Kung SignatureoftheParticipant





Feedback

NameoffheCertificateC ourse	Servicing of Air Conditioner and Microwave Oven
Department	Physics
Date	31.01.2022
Nameoftheparticipant	A. PRIYANKA
Group	MPCs
1 Did the mount t	MOUR Lands of

Yes/No			

2. Howusefulwas theevent foryou?(Obeing Not usefuland 5 Mostuseful)

Ratetheoverallsuccessofthecourse(Obeing Notuseful and 5Most useful		-			Tall -
3. Ratetheoverallsuccessofthecourse(Obeing Notuseful and 5Most useful					
and Siviosi disciding (votuse) and Siviosi disciding					
	3 1/	atetheover	alleuceassa Obas	normat Objection	

4. Listthekeytakeaway pointsfromtheevents.

I could successfully learn the microwave oven

5. Suggestionsif any

please Continue our course with Juniors

A Priyanka Signature of the Participant





Feedback

NamcoffheCertificateC ourse	Servicing of Air Conditioner and Microwave Oven
Department	Physics
Date	31.01.2022
Nameoftheparticipant	N. Thiaupathi
Group	MPC

	400 0 0	-		-	-	
1.	Did	the	event	fulfilit	'sobi	ectives?



2. Howusefulwas theevent foryou?(0being Not usefuland 5 Mostuseful)

-					
0		2	3	4 /	5
2000 200	Contract to the second			, V	2

3. Ratetheoverallsuccessofthecourse(Obeing Notuseful and 5Most useful)

-					Carrier Control of the Control of th
0		2	3	4 /	5
				7 V	2
		*			

4. Listthekeytakeaway pointsfromtheevents.

5. Suggestionsif any

N. Tinupathi SignatureoftheParticipant





Feedback

NameoftheCertificateC ourse	Servicing of Air Conditioner and Microwave Oven
Department	Physics
Date	31.01.2022
Nameoftheparticipant	J. REVATHIPATHI
Group	MPC

Did the event fulfilit'sobjectives?

Yes/No

2. Howusefulwas theevent foryou?(Obeing Not usefuland 5 Mostuseful)

2 Patathanuard	L			
5. Ratetheoverall	Isuccessofthed	course(Obeing)	Notuseful and 5M	ost useful

4. Listthekeytakeaway pointsfromtheevents.

I could successfully tearned the servicing of Microwave oven

5. Suggestionsifany
Bet is necessary to learn the service of microwave over
to the juniors.





Feedback

NameoftheCertificateC ourse	Servicing of Air Conditioner and Microwave Oven
Department	Physics
Date	31.01.2022
Nameoftheparticipant	G. pavitra
Group	MPE

 Did the event fulfilit'sobjective: 	1.	Did the eve	nt fulfilit	'sobjectives
--	----	-------------	-------------	--------------



2. Howusefulwas theevent foryou?(Obeing Not usefuland 5 Mostuseful)

0 1 2	3	4	5	

3. Ratetheoverallsuccessofthecourse(Obeing Notuseful and 5Most useful)

0 1 2 3	4	5
		-

4. Listthekeytakeaway pointsfromtheevents.

I could somesfully completed servicing of Air conditioner

5. Suggestionsif any





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum. A PRIYANKA, III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. A MANOJ KUMAR, III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

1000

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. B JAWAHAR BABU, III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. D VINAY, III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum. **D RAMYA SRI**, **III B.Sc.** (MPCs), **Govt. Degree College** (Men), **Srikakulam** got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the **Department of Physics** and completed the course programme during from **16-12-2021 to 29-01-2022**. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. K VAMSI, III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum. L RAMYA, III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. NIRMAL PRADHAN, III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. P SIVAJI, III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. R AMMAN NAIDU, III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. BENU PRADHAN, III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum. **G PAVITHRA**, **III B.Sc.** (MPE), **Govt. Degree College** (Men), **Srikakulam** got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the **Department of Physics** and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. A VINOD KUMAR, III B.Sc. (MPE), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. **G SAI PRASAD**, **III B.Sc.** (MPE), **Govt. Degree College** (Men), **Srikakulam** got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the **Department of Physics** and completed the course programme during from **16-12-2021 to 29-01-2022**. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. K AKSHAY KUMAR, III B.Sc. (MPE), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. K LITEEP KUMAR, III B.Sc. (MPE), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum. N LAXMI PRASANNA, III B.Sc. (MPE), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

1000

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr P DILEEP, III B.Sc. (MPE), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. **T JOGA RAO**, **III B.Sc.** (MPE), **Govt. Degree College** (Men), **Srikakulam** got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the **Department of Physics** and completed the course programme during from **16-12-2021 to 29-01-2022**. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. **E DILEEP**, **III B.Sc.** (MPC), **Govt. Degree College** (Men), **Srikakulam** got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the **Department of Physics** and completed the course programme during from **16-12-2021 to 29-01-2022**. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. **G VINAYAKA**, **III B.Sc.** (MPC), **Govt. Degree College** (Men), **Srikakulam** got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the **Department of Physics** and completed the course programme during from **16-12-2021 to 29-01-2022**. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. P POORNA CHANDU, III B.Sc. (MPC), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

100

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. **S LAXMANA**, **III B.Sc.** (MPC), **Govt. Degree College** (Men), **Srikakulam** got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the **Department of Physics** and completed the course programme during from **16-12-2021 to 29-01-2022**. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. D CHANDRA RAO, III B.Sc. (MPC), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. J REVATHI PATHI, III B.Sc. (MPC), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. K SRI RAM, III B.Sc. (MPC), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. M HARSHA VARDHAN, III B.Sc. (MPC), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. N TIRUPATHI, III B.Sc. (MPC), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. **S KOTESWARA RAO**, **III B.Sc.** (MPC), **Govt. Degree College** (Men), **Srikakulam** got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the **Department of Physics** and completed the course programme during from **16-12-2021 to 29-01-2022**. Her/His performance is credited with "A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha





Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))
(Affiliated to Dr.BRAU, Srikakulam)

Certificate Course on

SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN

This is to certify that Kum./Mr. V VENKATA RAMANA, III B.Sc. (MPC), Govt. Degree College (Men), Srikakulam got registered himself/herself for the Certificate Course on SERVICING & MAINTENANCE OF AC & MICROWAVE OVEN, organized by the Department of Physics and completed the course programme during from 16-12-2021 to 29-01-2022. Her/His performance is credited with

Molde

"A" Grade.

Sri B. Mohana Rao

Course Coordinator

Dr. G.V.S. Jayapala Rao

Incharge Dept. of Physics

Dr. P. Surekha



