



Department: Pure and Applied Physics

List of Programmes having Components of field

Sr. No.	Programme Code	Programme Name	Academic Year
01.	B.Sc. (Electronics)	Dissertation/Project work followed by seminar (PS/ELEC/PD)	2021-2022

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विभागाध्यक्ष/H.O.D.
शुद्ध एवं अनुप्रयुक्त भौतिकी विभाग
Dept. of Pure & Applied Physics
गुरु घासीदास विश्वविद्यालय
Guru Ghasidas Vishwavidyalaya
बिलासपुर (छ.ग.)/Bilaspur (C.G.)



Minutes of Meetings (MoM) of Board of Studies (BoS)

Academic Year : 2021-22

School : School of Physical Sciences

Department : Pure and Applied Physics


Date and Time : July 13, 2018 - 11:30 AM; July 18, 2018 - 5:00 PM

Venue : Smart Class Room

The scheduled meetings of member of Board of Studies (BoS) of Department of Pure and Applied Physics, School of Studies of Physical Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, were held to design and discuss the B. Sc. (Electronics) Third year (V and VI Semesters), scheme and syllabi.

The following members were present in the meeting:

1. Prof. P K. Bajpai
2. Dr. H. S. Tewari
3. Prof. S. B. Kondawar (External Member)
4. Dr. M. N. Tripathi
5. Dr. P. Thakur
6. Dr. R. K. Pandey
7. Dr. T. G. Reddy
8. Dr. R. P. Prajapati
9. Dr. A. K. Gupta
10. Dr. M. P. Sharma
11. Dr. P. Das
12. Dr. T. Trivedi
13. Dr. S. P. Patel
14. Prof. R. Dhar (External member)


Signature & Seal of HoD
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School of Physical Sciences: B.Sc. Hon's (Electronics)

Semester	Course Opted	Course Code	Name of the course	Credit	Hour / week
I	Core-1	PS/ELEC./C-101L	Basic Circuit Theory and Network Analysis	4	4
	Core -1 Practical	PS/ ELEC./C-101P	Basic Circuit Theory and Network Analysis Lab	2	4
	Core -2	PS/ ELEC./C-102L	Mathematics Foundation for Electronics	4	4
	Core -2 Practical	PS/ ELEC./C-P-102P	Mathematics Foundation for Electronics Lab	2	4
	Generic Elective -1 (GE- 1A)	PS/ELEC./GE-101	To be opted from the pool*	4	4
	Generic Elective - Practical	PS/ELEC./GE-P-101	GE-101 practical as opted	2	4
	Ability Enhancement Compulsory Course (AECC)	PS/ ELEC./AE-101/EC	English Communication / MIL (Hindi Communication)	4*	4
ECA	Open elective (Optional)	ECA-Extracurricular activity/ Tour, Field visit/ Industrial training/ NSS/ Swachhta/ vocational Training/ Sports/ others	2	(2)	
		TOTAL	24	28	
II	Core-3	PS/ ELEC /C-203L	Semiconductor Devices	4	4
	Core -3 Practical	PS/ ELEC /CP-203P	Semiconductor Devices Lab	2	4
	Core -4	PS/ ELEC /C-204L	Applied Physics	4	4
	Core -4 Practical	PS/ ELEC /CP-204P	Applied Physics Lab	2	4
	Generic Elective -2 (GE-1B)	PS/ ELEC /GE-202/	GE-102 (second course of the same subject as opted in GE-101)	4	4
	Generic Elective - Practical	PS/ ELEC /GE-P-202/	GE-202 practical as opted	2	4
	Ability Enhancement Compulsory Course (AECC)	PS/ ELEC /AE-201/ES	Environmental Science	4*	4
	ECA	Optional elective	ECA-Extracurricular activity/ Tour, Field visit/ Industrial training/ NSS/ Swachhta/ vocational Training/ Sports/ others	2	(2)
		Total	24	28	

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SUMMER Internship: 15 days		Optional elective	Swayam Swachhta / NSS / Industrial/ others	2	100
III	Core-5	PS/ ELEC /C-301L	Electronic Circuits	4	4
	Core -5 Practical	PS/ ELEC /C-301P	Electronic Circuits Lab	2	4
	Core -6	PS/ ELEC /C-302L	Digital Electronics and VHDL	4	4
	Core -6 Practical	PS/ ELEC /C-302P	Digital Electronics and VHDL Lab	2	4
	Core - 7	PS/ ELEC /C-303L	C Programming and Data Structures	4	4
	Core - 7 Practical	PS/ ELEC /C-303P	C Programming and Data Structures Lab	2	4
	Generic Elective -3 (GEII-A)		To be opted from the pool of GE	4	4
	Generic Elective - Practical			2	4
	Skill Enhancement Course (SEC - 1)		To be opted from the pool of SE courses**	4*	2 (4)
			Total	28	34
IV	Core-8	PS/ ELEC /C-401L	Operational Amplifiers and Applications	4	4
	Core -8 Practical	PS/ ELEC /C-401P	Operational Amplifiers and Applications Lab	2	4
	Core -9	PS/ ELEC /C-402L	Signals and Systems	4	4
	Core -9 Practical	PS/ ELEC /C-402P	Signals and Systems Lab	2	4
	Core - 10	PS/ ELEC /C-403L	Electronic Instrumentation	4	4
	Core -10 Practical	PS/ ELEC /C-403P	Electronic Instrumentation Lab	2	4
	Generic Elective -4 (GEII-B)		To be opted from the pool of Generic courses	4	4
	Generic Elective - Practical			4	4
	Skill Enhancement Course (SEC -2)		To be opted from the pool of SE courses	4*	2 (4)
			TOTAL	28	34
SUMMER Internship: 15 days		Optional elective	Swayam Swachhta / NSS / Industrial/ others	2	100
V	Core-11	PS/ ELEC /C-501L	Microprocessors and Microcontrollers	4	4
	Core -11 Practical	PS/ ELEC /C-501P	Microprocessors and Microcontrollers Lab	2	4
	Core -12	PS/ ELEC /C-502L	Electromagnetics	4	4
	Core -12 Practical	PS/ ELEC /C-502P	Electromagnetics Lab	2	4

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18/11/19
Srinidhi
Prof
Srijit
Amit

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	Discipline Specific Elective (DSE-1)	PS/ELEC/DSE-501L	DSE-1	4	4
	DSE-1 - Practical	PS/ELEC/DSE-501P	DSE-1 Lab	2	4
	Discipline Specific Elective (DSE-2)	PS/ELEC/DSE-502L	DSE-2	4	4
	DSE-2 - Practical	PS/ELEC/DSE-502P	DSE-2 Lab	2	4
			TOTAL	24	32
VI	Core-13	PS/ELEC /C-601L	Communication Electronics	4	4
	Core -13 Practical	PS/ ELEC /C-601P	Communication Electronics Lab	2	4
	Core -14	PS/ ELEC /C-602L	Photonics	4	4
	Core -14 Practical	PS/ ELEC /C-602P	Photonics Lab	2	4
	Discipline Specific Elective (DSE-3)	PS/ELEC/DSE-503L	DSE-3	4	4
	DSE-3 - Practical	PS/ELEC/DSE-503P	DSE-3 Lab	2	4
	Discipline Specific Elective (DSE-4) + DSE-4 – Practical Or Dissertation/ Project work followed by seminar	PS/ELEC/PD		4+2=6 Or 5+1=6	8
			TOTAL	24	32
			TOTAL CREDITS	152 + 4 (SI)	

As per UGC CBCS guidelines, University / departments have liberty to offer GE and SEC courses offered by any department to students of other departments. The No. of GE course is four. One GE course is compulsory in first 4 semesters each. In present scheme it is proposed to have minimum two GE courses (from one subject) in first two semesters after which student shall change two GE for another subject in IIIrd and IVth semester, so that all the student can have exposure of one additional subject. (Subject to approval by the competent authority).

Handwritten signatures and dates:
18/7/20
Tuesday
Sundari

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Students Undertaking Field Projects / Research Projects / Internships

Department : **Pure and Applied Physics**

Programme Name : **B.Sc. Electronics**

Academic Year : **2021-22**

List of students undertaking Field Projects/Projects / Internships

Sr. No.	Name of the Student	Title of the Project / Internship along with the Name of the Organization (where Project / Internship was carried out)	Link of Certificate
01.	Abhishek Sahu	Seven Segment Counter/ GGV	CLICK HERE
02.	Aditya Chandrakar	Non Chargable Power Bank/ GGV	CLICK HERE
03.	Akanksha Patel	Study Of Logic Gates/ GGV	CLICK HERE
04.	Alok Joshi	Automatic Street Light Control System/ GGV	CLICK HERE
05.	Ankit Gupta	Anti Sleep Alarm/ GGV	CLICK HERE
06.	Atul Kumar	Temperature Controller DC Fan Using Thermistor/ GGV	CLICK HERE
07.	Ayan Thakur	Safe Transportation Rout/ GGV	CLICK HERE
08.	Dependra Verma	Uses Of Bridge Rectifier/ GGV	CLICK HERE
09.	Dewendra Dewangan	Regulated Power Supply/ GGV	CLICK HERE
10.	Dharmesh Darshan	Diode Transistor Logic/ GGV	CLICK HERE
11.	Himalay Prasad	Traffic Light System Without Microcontroller / GGV	CLICK HERE
12.	Janardan Rathore	Sprctroscopy And Its Application/ GGV	CLICK HERE
13.	Jay Kumar Yadaw	RC Circuit To Provide Electricity During Power Outages/ GGV	CLICK HERE
14.	Kamal Singh	Simple Alarm System/ GGV	CLICK HERE
15.	Karra Manisha	Light Fidelity/ GGV	CLICK HERE
16.	Lakshya Kumar	RC Phase Shift Oscillator Using 741op Amp/ GGV	CLICK HERE
17.	Lorik Chandra	Anti Theft Laser Based Security Alarm System/ GGV	CLICK HERE
18.	Nandini Patel	Automatic Street Light Controle Using LDR/ GGV	CLICK HERE
19.	Nikita Mehar	Smoke Detector And Alarm System/ GGV	CLICK HERE



20.	Prachi Kesharwani	Digital Clock/GGV	CLICK HERE
21.	Pafull Vaishnav	Automatic Open Close Door System Using ARDUINO UNO/ GGV	CLICK HERE
22.	Prasoon Pathak	Object Counter/ GGV	CLICK HERE
23.	Pratiksha Sahu	Logic Gates Using Transistor/ GGV	CLICK HERE
24.	Priyank Singh	Virtual Laboratory And Virtual Learning/ GGV	CLICK HERE
25.	Rakesh Kumar Dhurwe	Automatic Street Light Control/ GGV	CLICK HERE
26.	Ramesh Kumar Sahu	BCD To 7-Segment Decoder Circuit/ GGV	CLICK HERE
27.	Rekha Kanwar	Water Level Indicator/ GGV	CLICK HERE
28.	Ritesh Kumar	Voltage Source Meter/ GGV	CLICK HERE
29.	Rupesh Sahu	To Designing A Simple Audio Amplifier/ GGV	CLICK HERE
30.	Samina	Cell Phone Detector/ GGV	CLICK HERE
31.	Samridhhi Goutam	Converting AC To DC Using Full Wave Rectifier/ GGV	CLICK HERE
32.	Sourabh	Dual DC Power Supply/ GGV	CLICK HERE
33.	Shobha Gupta	Audio Power Amplifier/ GGV	CLICK HERE
34.	Shruti Sharma	Automatic ON-OFF Light Switch Using Photo Transistor/ GGV	CLICK HERE
35.	Siddharth	Function Generator/ GGV	CLICK HERE
36.	Subodh	Automatic Hand Sanitizer Using IR Sensor To Prevent The Disease Of Corona Virus/ GGV	CLICK HERE
37.	Suraj Maravi	DC To AC Converter/ GGV	CLICK HERE
38.	Tejshwani Khatic	Battery Charger Circuit Using SCR/ GGV	CLICK HERE
39.	Yashoda Nag	Fire Alarm Device Using Sensor/ GGV	CLICK HERE

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