Minutes of Meeting

An online meeting of Board of Studies of Electronics and Communication Engineering department was held on 02.11.2021 at 11:00 AM at Google meet (url: meet.google.com/rdi-dyhs-uaw) to finalize the Scheme/Syllabus of M.Tech. in Electronics & Communication Engineering for the session 2021-22. Following BOS members were present in the meeting:

1. Prof. Shrish Verma , Professor, ECE, NIT Raipur, Subject Expert
2. Mrs. Anita Khanna, HOD(ECE), Chairman BOS
3. Dr. Soma Das, Associate Professor, Department of ECE, Member BOS
4. Mr. Shrawan Kumar Patel, Assistant Professor, Department of ECE, Member BOS

Following special invited members were also present in the BOS meeting:

1. Mrs. Bhawna Shukla, Assistant Professor, Department of ECE
2. Dr. P. S. Srivastava, Assistant Professor, Department of ECE
3. Mrs. Beaulah Nath, Assistant Professor, Department of ECE
4. Mrs. Pragati Patharia, Assistant Professor, Department of ECE
5. Mr. Deepak Rathore, Assistant Professor, Department of ECE
6. Dr. Nipun Kumar Mishra, Assistant Professor, Department of ECE
7. Mr. Sumit Kumar Gupta, Assistant Professor, Department of EE
8. Mr. Jitendra Bhardwaj, Assistant Professor, Department of EE
9. Dr. Anil Kumar Soni, Assistant Professor, Department of ECE
10. Mr. Chandan Tamrakar, Assistant Professor, Department of ECE
11. Mrs. Praveena Rajput, Assistant Professor, Department of ECE

BOS meeting started with welcome of all experts and special invited members by BOS chairman. Further an elaborative discussion on the scheme and syllabus of M.Tech. in Electronics & Communication Engineering for the session 2021-22 took place with all experts and their valuable suggestions are invited.

Meeting was ended with vote of thanks by HOD (ECE) to all experts and invited members for their valuable inputs and kind presence in BOS meeting.

(Online consent)
Prof. Shrish Verma
Professor, ECE NIT Raipur
Subject Expert

(Absent)
Mr. Vikash Patel
Senior SDE, BSNL Bilaspur
Industry Expert

Mrs. Anita Khanna
HOD(ECE)
Chairman, BOS

Dr. Soma Das
Associate Professor
Member, BOS

Mr. Shrawan Kumar Patel
Assistant Professor
Member, BOS

GURU GHASIDAS VISHWAVIDYALAYA
BILASPUR (C.G.)

(A Central University)

Koni, Bilaspur-495009, C.G (India)

OUTCOME BASED EDUCATION
WITH
CHOICE BASED CREDIT SYSTEM (CBCS)

MASTER OF TECHNOLOGY
IN
Electronics & Communication Engineering.

COURSE STRUCTURE AND SYLLABI

M.Tech Regular Two Year Degree Program
(Effective from the academic year 2021-22)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
SCHOOL OF ENGINEERING & TECHNOLOGY,
GGV, BILASPUR, C.G. (INDIA)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
SCHOOL OF ENGINEERING & TECHNOLOGY, GGV, BILASPUR, C.G. (INDIA)

SCHEME OF EXAMINATION

M.TECH.ELECTRONICS & COMMUNICATION ENGINEERING

MTech. I-Semester

Sl.	Course Type/Code	Subjects	Periods/Week			Evaluation			Credits
			L	T	P	IA	ESE	Total	
1.	ECPATT1	Linear Algebra	3	0	0	40	60	100	3
2.	ECPATT2	Wireless Communication & Network	3	0	0	40	60	100	3
3.	ECPATT3	Optoelectronic Devices	3	0	0	40	60	100	3
4.	ECPATP1 to ECPATP4	Elective-I	3	0	0	40	60	100	3
5	ECPATP5to ECPATP8	Elective-II	3	0	0	40	60	100	3
6.	IPPATC1	Research Methodology & IPR	2	0	0	0	50	50	2
7.	ECPALT1	Optoelectronic Device Laboratory	0	0	4	30	20	50	2
Total			17	0	4	240	370	600	19

List of Electives approved for Semester – I

Elective-I	Elective-II
ECPATP1: Introduction to Signal Processing	**ECPATP5:** Digital Image Processing
ECPATP2: Introduction to Embedded & IOT System	**ECPATP6:** Network Security & Cryptography
ECPATP3: Microstrip Antenna	**ECPATP7:**Modern Digital Communication
ECPATP4: Estimation & Detection Theory	**ECPATP8:** Antenna for Modern wireless Communication

M.Tech. II-Semester

Sl.	Course Type/Code	Subjects	Periods/Week			Evaluation			Credits
			L	T	P	IA	ESE	Total	
1.	ECPBTT1	Advanced VLSI Fabrication	3	0	0	40	60	100	3
2.	ECPBTT2	Millimeter Wave Technology	3	0	0	40	60	100	3
3.	ECPBTP1 to ECPBTP4	Elective-III	3	0	0	40	60	100	3
4.	ECPBTP5 to ECPBTP8	Elective-IV	3	0	0	40	60	100	3
5	MSPBTO1, IPPBTO2, IPPBTO3, CEPBTO4, MEPBTO5, CHPBTO6, ECPBTO7, MCPBTO8	Open Elective	3	0	0	40	60	100	3
6.	ELPBTX1, PEPBTX2, CEPBTX3, LAPBTX4	Audit Course/ Value Added Course	2	0	0	40	60	100	2
7.	ECPBLT1	Wireless Communication laboratory	0	0	4	30	20	50	2
8.	ECPBLT2	RF & Microwave Component Design Laboratory	0	0	4	30	20	50	2
Total			17	0	08	300	400	700	21

List of Electives approved for the semester –II

Elective-III	Elective-IV	Open Elective	Audit Course
ECPBTP1: Machine Learning	**ECPBTP5:** Computer Vision	**MSPBTO1:** Business Analysis	**ELPBTX1:** English for Research Paper Writing
ECPBTP2: Optical Communication System	**ECPBTP6:**Digital Communication Receiver	**IPPBTO2:** Industrial Safety	**PEPBTX2:** Stress Management by Yoga
ECPBTP3: Next Generation Communication Technologies	**ECPBTP7:**Optical Instrumentation	**IPPBTO3:** Operations Research	**CEPBTX3:** Disaster Management
ECPBTP4: Advanced Digital Signal Processing	**ECPBTP8:**Satellite Communication	**CEPBTO4:** Cost Management of Engineering Projects	**LAPBTX4:** Constitution of India
		MEPBTO5: Composite Materials	
		CHPBTO6: Waste to Energy	
		ECPBTO7: Internet of Things	
		MCPBTO8: MOOCs	

Note: Under MOOCs, the students have to opt any subject other than ELECTRONICS & COMMUNICATION ENGINEERING from NPTEL/UGC SWAYAM

M.Tech. III-Semester

Sl.	Course Type/ Code	Subjects	Periods/Week			Evaluation			Credits
			L	T	P	IA	ESE	Total	
1.	ECPCPT1	Dissertation Stage–I	0	0	28	100	100	200	14
Total			0	0	28	100	100	200	14

M.Tech. IV-Semester

Sl.	Course Type/ Code	Subjects	Periods/Week			Evaluation			Credits
			L	T	P	IA	ESE	Total	
1.	ECPDPT1	Dissertation Stage–II	0	0	32	100	200	300	16
Total			0	0	32	100	200	300	16

Total Credits for the Program = 19 + 21 +14 +16 = 70

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
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Koni, Bilaspur – 495009 (C.G.)

गुरू घासीदास विश्वविद्यालय, बिलासपुर (छ.ग.)
(केन्द्रीय विश्वविद्यालय अधिनियम 2009, कमांक 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the Central Universities Act., 2009 No. 25 of 2009)
Web Site – www ggu.ac.in, ph. No. 07752-260342, fax No. 07752-260148,154

कमॉक 180 /अका./अका.कैलेण्डर/2021 बिलासपुर, दिनॉक 20 SEP 2021

कार्यालयीय ज्ञाप

विद्यापरिषद की स्थायी समिति की बैठक दिनॉक 06–09–2021 पूरक विषय क0–10 अन्तर्गत अधिष्ठाताओं की बैठक दिनॉक 02–09–2021 के कार्यवृत्त एवं अधिष्ठातागणों द्वारा अनुशंसि अकादमिक कैलेण्डर सत्र 2021–22 के लिये अनुमोदन किया गया है।

अनुमोदनोपरांत सर्व–सूचनार्थ एवं आवश्यक कार्यवाही हेतु विश्वविद्यालय शिक्षण विभा में संचालित पाठ्यकमों के विषम सेमेस्टर (1st & 3rd Sem) के अकादमिक कैलेण्डर 2021–22 संलग्न क एतद् द्वारा जारी किया जाता है।

आदेशानुसार,

कुलसचिव (कार्यवाहक)

प्रतिलिपिः–

1. कुलपति/कुलसचिव जी के सचिव /निज सहायक को मान.कुलपति/कुलसचिव जी के सूचनार्थ
2. अधिष्ठाता, समस्त विद्यापीठ, गुरू घासीदास विश्वविद्यालय,बिलासपुर की ओर सूचनार्थ ।
3. विभागाध्यक्ष, समस्त शिक्षण विभाग, गु0घा0वि0वि0, बिलासपुर की ओर आवश्यक कार्यवाही हेतु प्रेषित।
4. परीक्षा नियंत्रक, गुरू घासीदास विश्वविद्यालय,बिलासपुर की ओर सूचनार्थ
5. उप–कुलसचिव,परीक्षा एवं प्रभारी गोपनीय विभागों की ओर सूचनार्थ प्रेषित ।
6. अधिष्ठाता, छात्र कल्याण विभाग, गुरू घासीदास विश्वविद्यालय,बिलासपुर की ओर सूचनार्थ।
7. समस्त कक्ष अधिकारी, प्रशासनिक भवन के समस्त विभागों की ओर सूचनार्थ प्रेषित।
8. समन्वयक, आई.टी.सेल की ओर इस आशय के साथ प्रेषित है कि सत्र 2021–22 का अकादमिक कैलेण्डर विश्वविद्यालय वेबसाईट में अपलोड करने हेतु।
9. प्रभारी मीडिया सेल, गुरू घासीदास विश्वविद्यालय,बिलासपुर की ओर सूचनार्थ प्रेषित।
10. कार्यालय प्रति।

सहायक कुलसचिव (अका0)

Academic Calendar (2021 - 22) for First year M.Tech Programme
School of Studies of Engineering& Technology
Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur(C.G.)

S.N.	Academic Plans	1st Semester M.Tech	2nd Semester M.Tech
01	Registration/Admission & Commencement of Classes	15.11.2021	21.03.2022
02	CT – 1	03.01.2022 to 10.01.2022	02.05.2022 to 09.05.2022
03	CT - 2	21.02.2022 to 28.02.2022	11.07.2022 to 18.07.2022
04	Examination form submission	As per University notifications	
05	Last working day	05.03.2022	29.07.2022
06	Preparation leave	06.03.2022 & 07.03.2022	30.07.2022 & 31.07.2022
07	End semester examinations	08.03.2022 to 15.03.2022	01.08.2022 to 09.08.2022
08	Winter & Summer vacation	As per University notifications	

आंतरिक गुणवत्ता आश्वासन प्रकोष्ठ
गुरू घासीदास विश्वविद्यालय
बिलासपुर (छ0ग0)
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
Phone: 07752-296248 Fax: 07752-260154
E-Mail: director-iqac@ggu.ac.in, directoriqacggv@gmail.com

Internal Quality Assurance Cell (IQAC)
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.)
(A Central University established by the Central University Act 2009 No. 25 of 2009)
Website: www.ggu.ac.in

No. 415/IQAC/GGV/2023 **Bilaspur, Dated-.**05/007/2023.

CERTIFICATE

It is hereby declared that following students of various programmes, who have opted for Dissertation / Field Projects / Research Projects / Internships etc., have not yet completed their program due to delayed session under pandemic condition. Therefore, their completion certificate will be produced after their completion of Dissertation/ Field Projects/ Research Projects/ Internships in the appropriate session.

Director
Internal Quality Assurance Cell
Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur (C.G.) 495009

Director, IQAC

गुरु घासीदास विश्वविद्यालय
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This is to certify that following students are undergoing Dissertation in M.Tech. (ECE).

S.No.	Students Name	Enrollment No.
1	ABHIJEET AGRAWAL	GGV/17/1004
2	MANISH DESHMUKH	GGV/17/1124

विभागाध्यक्ष (इले. एवं संचार अभियांत्रिकी)
H.O.D. (Elect. & Comm. Engineering)
प्रौद्योगिकी संस्थान
Institute of Technology
गु. घा. वि., बिलासपुर (छ.ग.)
G. G. V. Bilaspur (C.G.)