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

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Koni, Bilaspur – 495009 (C.G.)

List of Programme(s)

Department: Electronics & Communication Engineering	

List of Programmes having Components of field projects/research projects/internships	

Sr. No.	Programme Code	Programme Name	Academic Year
01.	406-4116	B.Tech. (ECE)	2021-22

गुरु घासीदास विश्वविद्यालय
(केंद्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
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Minutes of Meetings (MoM) of Board of Studies (BoS)

School :	*School of Studies of Engineering and Technology*
Department :	*Electronics & Communication Engineering*
Date and Time :	*July 14, 2020 – 11:00 AM*
Venue :	*Online Meeting*

A meeting of Board of Studies (BOS) of the Department of Electronics and Communication Engineering was held on 14.07.2020 at 11:00 AM online (Zoom Meeting) The following members were present in the meeting:
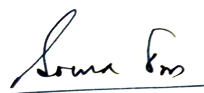
1. Mrs. Anita Khanna, HOD (ECE), Chairman BOS
2. Mr. Vikash Patel, Senior SDE, BSNL Bilaspur, Industry Expert
3. Mr. Shrawan Kumar Patel- Member BOS
4. Mrs. Bhawna Shukla, – Invited Member
5. Mrs. Beaulah Nath– Invited Member
6. Dr. Nipun Kumar Mishra– Invited Member
7. Dr. Soma Das – Invited Member
8. Mr. Sumit Kumar Gupta– Invited Member
9. Mrs. Praveena Rajput – Invited Member
10. Mrs. Nikita Kashyap – Invited Member
11. Dr. Anil Kumar Soni– Invited Member
12. Mr. Chandan Tamrakar– Invited Member

To start with, The HOD welcomed all the members and expressed special thanks to External Subject Expert for offering changes valuable suggestion.

1. Firstly, all the subject /papers of 5th and 6th Semester (New CBCS) were revised.
2. There after each paper was discussed one by one changes have been incorporated as per the valuable suggestion of Expert and invited members. The complete syllabus for B.Tech. 5th and 6th Semester (New CBCS) was prepared, which is enclosed herewith as Annexure-I.
3. The scheme of 5th and 6th Semester (New CBCS) were discussed and approved by the BOS members, which is enclosed herewith as Annexure-II
4. Prof. Shrish Verma, NIT Raipur could not attend the meeting due to health reason however suggestions/consent has been taken through email and phone.

Finally, the meeting ended with a vote of thanks to chair.

Consent taken through e-mail.

विभागाध्यक्ष (इले. एव 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.)

गुरु घासीदास विश्वविद्यालय
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Scheme

SEMESTER VI (THIRD YEAR)

Sr. No.	Course Code	Course Title	L	T	P	Periods/ week	IA	ESE	Total	Credit
Theory										
1	EC06TPC12	Digital Signal Processing	3	1	0	4	30	70	100	4
2	EC06TPC13	Probability Theory and Stochastic Processes	3	0	0	3	30	70	100	3
3	EC06TPE05 EC06TPE06 EC06TPE07 EC06TPE08	Program Elective – 2 • Antenna & Wave Propagation • Power Electronics • High Speed Devices & Circuits • Nanoelectronics	3	1	0	4	30	70	100	4
4	EC06TOE03 EC06TOE04	Open Elective-2 • Cryptography & Network Security • Artificial Intelligence	3	0	0	3	30	70	100	3
5	EC06TBS07	Life Science	3	0	0	3	30	70	100	3
Practical										
1	EC06PPC09	Digital Signal Processing Lab	0	0	2	2	30	20	50	1
2	EC06PPC10	Electronic Measurement Lab	0	0	2	2	30	20	50	1
3	EC06PPC11	Mini Project/Electronic Design workshop	0	0	4	4	30	20	50	2
								Total Credits		21

L : LECTURE T: TUTORIAL P: PRACTICAL IA: INTERNAL ASSESSMENT ESE: END SEMESTER EXAM

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

School	:	*School of Studies of Engineering and Technology*
Department	:	*Electronics & Communication Engineering*
Date and Time	:	*July 19, 2021 – 11:00 AM*
Venue	:	*Online Meeting*

An Online meeting of Board of Studies of Electronics and Communication Engineering department was held on 19.07.2021 at 11:00 AM to finalize the Scheme/syllabus of B.Tech. Final year ECE for the session 2021-22.

The following members were present in the meeting:
1. Prof. Shrish Verma, Professor NIT Raipur Subject Expert
2. Mr. Vikash Patel, Senior SDE, BSNL Bilaspur, Industry Expert
3. Mrs. Anita Khanna, HOD (ECE), Chairman BOS
4. Dr. Soma Das (HOD, Associate Professor, Department of ECE, Member BOS
5. Mr. Shrawan Kumar Patel, Assistant Professor, Department of ECE, Member BOS

Following Special invited members were also present in the BOS Meeting:

1. Dr. Meenakshi Sood, Asso. Prof. NITTTR Chandigarh (Curriculum Development Expert)
2. Mrs. Bhawna Shukla, Assistant Professor, Department of ECE
3. Dr. P. S. Shrivastava, Assistant Professor, Department of ECE
4. Mrs. Beaulah Nath, Assistant Professor, Department of ECE
5. Mrs. Pragati Patharia, Assistant Professor, Department of ECE
6. Mr. Deepak Kumar Rathore, Assistant Professor, Department of ECE
8. Dr. Nipun Kumar Mishra, Assistant Professor, Department of ECE
9. Mr. Sumit Kumar Gupta, Assistant Professor, Department of ECE
10. Mr. Jitendra Bhardwaj, Assistant Professor, Department of ECE
11. Dr. Anil Kumar Soni, Assistant Professor, Department of ECE
12. Mr. Chandan Tamrakar, Assistant Professor, Department of ECE
13. Mrs. Praveena Rajput , Assistant Professor, Department of ECE

BOS meeting started with welcome of all expert and special invited member by BOS chairman. Further an elaborative discussion on the scheme and syllabus of B.Tech. Final year ECE for the session 2021-22 took place with all expert and their valuable suggestions are invited.

After detailed discussion on each and every subject, minor modifications are suggested by subject and curriculum development expert as for the following subjects:
- Embedded System
- Neural Network & Fuzzy Logic
- Mobile Communication and Network
- Biomedical Electronics
- Microwave theory & Techniques
- Introduction to IOT
- Analog & Digital VLSI Design
- Millimeter wave Technology

गुरु घासीदास विश्वविद्यालय
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Meeting was ended with vote of thanks by HOD(ECE) to all expert and invited member for their valuable inputs and kind presence in BOS meeting.

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

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(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
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Scheme

SCHEME OF EXAMINATION
B.TECH. (FOUR YEAR) DEGREE COURSE
FINAL YEAR, ELECTRONICS & COMMUNICATION ENGINEERING
SCHOOL OF STUDIES IN ENGINEERING & TECHNOLOGY, GGVV BILASPUR (CG)
EFFECTIVE FROM SESSION 2021-22
SEMESTER VII (FINAL YEAR)

Sr. No.	Course Code	Course Title	L	T	P	Periods/week	Evaluation Scheme			Credit
							IA	ESE	Total	
Theory										
1	EC07TPC14	Fiber Optics Communication	3	1	0	4	30	70	100	3
2	EC07TPC15	Embedded Systems	3	1	0	4	30	70	100	3
3	EC07TPC16	Mobile Communication & Network	3	1	0	4	30	70	100	3
4	EC07TPE09 EC07TPE10 EC07TPE11 EC07TPE12	**Program Elective - 3** • Digital Image Processing • Analog & Digital VLSI Design • Estimation and Detection Theory • Advanced Power Electronics	3	1	0	4	30	70	100	3
5	EC07TPE13 EC07TPE14 EC07TPE15	**Program Elective - 4** • Microwave Theory & Techniques • Radar & Satellite Comm. • Machine Learning	3	1	0	4	30	70	100	3
Practical										
1	EC07PPC12	Fiber Optics Communication Lab	0	0	2	2	30	20	50	1
2	EC07PPC13	Design and Simulation Lab	0	0	2	2	30	20	50	1
3	EC07PPS01	Seminar on Industrial Training	0	0	0	0	30	20	50	1
4	EC07PPS02	Project - I	0	0	10	10	60	40	100	5
								Total Credits		23

SEMESTER VIII (FINAL YEAR)

Sr. No.	Course Code	Course Title	L	T	P	Periods/week	Evaluation Scheme			Credit
							IA	ESE	Total	
Theory										
1	EC08TPC17	VLSI Fabrication Technology	3	1	0	4	30	70	100	3
2	EC08TPE16 EC08TPE17 EC08TPE18	**Program Elective - 5** • Millimeter Wave Technology • Video Processing • Biomedical Electronics	3	1	0	4	30	70	100	3
3	EC08TPE19 EC08TPE20 EC08TPE21	**Program Elective - 6** • Neural Network & Fuzzy logic • Next Gen. Comm. Technology • Wireless Sensor Networks	3	1	0	4	30	70	100	3
4	EC08TOE05 EC08TOE06 EC08TOE07	**Open Elective - 3** • Intellectual Property Rights • Principles of Management • Introduction to IOT	3	1	0	4	30	70	100	3
Practical										
1	EC08PPS03	Project - II	0	0	18	18	120	80	200	9
2	EC08PPS04	Comprehensive viva	0	0	0	0	30	20	50	1
								Total Credits		22

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List of students undertaking Field Projects/Projects / Internships

Sr. No.	Programme Name	Name of the Student	Link of Certificate
01.	B.Tech. (ECE)	Atul Kumar Gupta	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Atul_and_Akshat.pdf
02.	B.Tech. (ECE)	Akshat Singh Plaeshwar	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Atul_and_Akshat.pdf
03.	B.Tech. (ECE)	Mansi Singh	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_MansiAmisha_and_Swapnil.pdf
04.	B.Tech. (ECE)	Amisha Srivastava	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_MansiAmisha_and_Swapnil.pdf
05.	B.Tech. (ECE)	Swapnil Kamal	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_MansiAmisha_and_Swapnil.pdf
06.	B.Tech. (ECE)	Ankit Kumar Pandit	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Ankit_Anup_and_Tanmay.pdf
07.	B.Tech. (ECE)	Anup Kumar	http://new.ggu.ac.in/at

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
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Koni, Bilaspur – 495009 (C.G.)

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08.	B.Tech. (ECE)	Tanmay Pradhan	http://new.ggu.ac.in/attachments/attachments/department/B.Tech. Final_Year_Project_Ankit_Anup_and_Tanmay.pdf
09.	B.Tech. (ECE)	Aayush Shrivas	http://new.ggu.ac.in/attachments/attachments/department/B.Tech. Final_Year_Project_Aayush_Aman_and_Kumarswami.pdf
10.	B.Tech. (ECE)	Aman Kumar	http://new.ggu.ac.in/attachments/attachments/department/B.Tech. Final_Year_Project_Aayush_Aman_and_Kumarswami.pdf
11.	B.Tech. (ECE)	Kumarswami Hiremath	http://new.ggu.ac.in/attachments/attachments/department/B.Tech. Final_Year_Project_Aayush_Aman_and_Kumarswami.pdf
12.	B.Tech. (ECE)	Arun Kumar	http://new.ggu.ac.in/attachments/attachments/department/B.Tech. Final_Year_Project_Arun_Awanish_and_Bhupesh.pdf
13.	B.Tech. (ECE)	Awanish Kumar	http://new.ggu.ac.in/attachments/attachments/department/B.Tech. Final_Year_Project_Arun_Awanish_and_Bhupes

गुरु घासीदास विश्वविद्यालय
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Koni, Bilaspur – 495009 (C.G.)

			h.pdf
14.	B.Tech. (ECE)	Bhupesh Verma	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Arun_Awanish_and_Bhupesh.pdf
15.	B.Tech. (ECE)	Prayank Tiwari	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Prayank_Aman_and_Shashi.pdf
16.	B.Tech. (ECE)	Aman Grover	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Prayank_Aman_and_Shashi.pdf
17.	B.Tech. (ECE)	Shashi Kumar	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Prayank_Aman_and_Shashi.pdf
18.	B.Tech. (ECE)	Sameer Aryan	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Sameer_Gautam_and_Labham.pdf
19.	B.Tech. (ECE)	Gautam Nishad	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Sameer_Gautam_and_Labham.pdf
20.	B.Tech. (ECE)	Labham Upadhyay	http://new.ggu.ac.in/attachments/attachments/department/B.Tech.

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Koni, Bilaspur – 495009 (C.G.)

			Final_Year_Project_Sameer_Gautam_and_Labham.pdf
21.	B.Tech. (ECE)	Kakarla Yugala	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Kakarla_Eedala_and_Tippana.pdf
22.	B.Tech. (ECE)	Eedala Maruthi Prasanna	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Kakarla_Eedala_and_Tippana.pdf
23.	B.Tech. (ECE)	Tippana Ravi	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Kakarla_Eedala_and_Tippana.pdf
24.	B.Tech. (ECE)	Shaivi Dewangan	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Shaivi_Nandani_and_Sweety.pdf
25.	B.Tech. (ECE)	Nandani Ranjan	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Shaivi_Nandani_and_Sweety.pdf
26.	B.Tech. (ECE)	Sweety Suman	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Shaivi_Nandani_and_Sweety.pdf

गुरु घासीदास विश्वविद्यालय
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Guru Ghasidas Vishwavidyalaya
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27.	B.Tech. (ECE)	Khalwa Rahul Kumar	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Khalwa_Ravindra_and_Deepak.pdf
28.	B.Tech. (ECE)	Ravindra Kashyap	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Khalwa_Ravindra_and_Deepak.pdf
29	B.Tech. (ECE)	Deepak Raja Sao	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Khalwa_Ravindra_and_Deepak.pdf
30.	B.Tech. (ECE)	Prashasti Pankaj	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Prashasti_Manyata_and_Bhavna.pdf
31.	B.Tech. (ECE)	Manyata Yadav	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Prashasti_Manyata_and_Bhavna.pdf
32.	B.Tech. (ECE)	Bhavna Uraon	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Prashasti_Manyata_and_Bhavna.pdf
33.	B.Tech. (ECE)	Virendra Yadav	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Vire

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
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			ndra_Saurabh_and_Asmita.pdf
34.	B.Tech. (ECE)	Saurabh	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Virendra_Saurabh_and_Asmita.pdf
35	B.Tech. (ECE)	Asmita Patel	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Virendra_Saurabh_and_Asmita.pdf
36	B.Tech. (ECE)	Nishant	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Nishant_Krishna_and_Parul.pdf
37.	B.Tech. (ECE)	N Bala Murli Krishna	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Nishant_Krishna_and_Parul.pdf
38.	B.Tech. (ECE)	Parul	http://new.ggu.ac.in/attachments/attachments/department/B.Tech._Final_Year_Project_Nishant_Krishna_and_Parul.pdf