



राष्ट्रीय शिक्षा नीति 2020

सफल क्रियान्वयन के सोपान

National Education Policy 2020

Steps of Successful Implementation



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कुलपति का संदेश,

राष्ट्रीय शिक्षा नीति (एनईपी-2020) एक बहुत विमर्श किया हुआ और प्रभावी परिवर्तनकारी सुधार है। साथ ही राष्ट्र निर्माण की दिशा में एक बहुत ही सकारात्मक कदम और आर्थिक विकास और अकादमिक उत्कृष्टता के लिए ज्ञान को मूल्य परक शिक्षा में बदलने के लिए रोडमैप है। इस नीति में कई तत्व हैं जो शिक्षार्थियों को रोमांचक अनुभव प्रदान करने में सक्षम हैं और इसका उद्देश्य 21 वीं सदी के कौशल और नवाचार, जटिल समस्याओं के समाधान, रचनात्मकता और डिजिटल साक्षरता को बढ़ाने के साथ-साथ प्राचीन भारतीय ज्ञान और सांस्कृतिक विरासत के साथ लोगों को शिक्षित करना है, ताकि उनके व्यक्तित्व को भारतीय मूल्यों और लोकाचार में गहराई से विकसित किया जा सके। गुरु घासीदास विश्वविद्यालय में राष्ट्रीय शिक्षा नीति-2020 को सही मायने में लागू करना हमारी प्राथमिकता रही है। हमने राष्ट्रीय शिक्षा नीति -2020 कार्यान्वयन टास्क फोर्स नामक एक कार्यान्वयन समिति का गठन करके विश्वविद्यालय में राष्ट्रीय शिक्षा नीति-2020 के कार्यान्वयन के लिए कई पहल की हैं। यह खुशी की बात है कि टास्क फोर्स ने यूजीसी और शिक्षा मंत्रालय द्वारा समय-समय पर सुझाए गए राष्ट्रीय शिक्षा नीति-2020 के विभिन्न प्रावधानों को लागू किया है, जिसमें बहु-विषयक दृष्टिकोण को अपनाना, बहु प्रवेश-निर्गम विकल्पों को शामिल करना, संशोधित एलओसीएफ आधारित स्नातक पाठ्यक्रम लागू करना एवं त्रिपक्षीय अनुबंध में राष्ट्रीय शिक्षा नीति -2020 लक्ष्यों को शामिल करना है। इसके अलावा टास्क फोर्स ने राष्ट्रीय शिक्षा नीति -2020 के बारे में जागरूक करने के साथ-साथ मिश्रित मोड लर्निंग को लागू करने, गुणवत्तापूर्ण शिक्षण सामग्री बनाने आदि के लिए शिक्षकों की क्षमता बढ़ाने के लिए कई महत्वपूर्ण कार्यक्रम आयोजित किए हैं। मुझे यह जानकर बहुत खुशी हो रही है कि टास्क फोर्स ने निर्धारित समय सीमा में राष्ट्रीय शिक्षा नीति -2020 कार्यान्वयन योजना : रणनीतिक योजनाएं और लक्ष्य का खाका तैयार कर लिया और राष्ट्रीय शिक्षा नीति -2020 के कार्यान्वयन की स्थिति को एक पुस्तिका के रूप में सामने लाया। मैं प्रोफेसर बाजपेयी और उनकी पूरी टीम को महत्वपूर्ण मील का पत्थर हासिल करने के लिए बधाई देता हूं और रणनीतिक योजना के अनुसार सभी लघु, मध्य और दीर्घकालिक लक्ष्यों के प्रभावी और समय पर कार्यान्वयन के लिए शुभकामनाएं देता हूं। मुझे यकीन है कि प्रकाशित की जा रही "रणनीतिक योजनाएं और लक्ष्य" गुरु घासीदास विश्वविद्यालय को उत्कृष्टता के केंद्र के रूप में बदलने और राष्ट्रीय शिक्षा नीति -2020 में परिकल्पित सकारात्मक बदलाव लाने में एक अग्रणी भूमिका निभाएंगे।

(प्रो. आलोक कुमार चक्रवाल)





प्रो. मनीष श्रीवास्तव
रजिस्ट्रार (कार्यवाहक) और प्रोफेसर,
अंग्रेजी एवं फोरेन लैंग्वेज विभाग

कुलसचिव का संदेश,

यह हर्ष का विषय है कि गुरु घासीदास विश्वविद्यालय द्वारा गठित टास्क कोर्स कुशलतापूर्वक कार्य करते हुए शिक्षा मंत्रालय, भारत सरकार एवं विश्वविद्यालय अनुदान आयोग, नई दिल्ली द्वारा समय-समय परदिए गए दिशा-निर्देशों के अनुसार राष्ट्रीय शिक्षा नीति (एनईपी-2020) के विभिन्न प्रावधानों को कार्यान्वित कर रही है। विशेष रूप से हमारे नए एवं करिश्माई कुलपति प्रोफेसर आलोक कुमार चक्रवाल के कार्यभार ग्रहण करनेके बाद यह प्रक्रिया और तेज हो गई है। उनके दूरदर्शी नेतृत्व एवं प्रेरक दृष्टिकोण से विश्वविद्यालय परिसर में सकारात्मक परिवर्तन एवं उत्कृष्ट शैक्षणिक माहौल देखने को मिल रहा है।

वास्तव में यह सौभाग्य की बात है कि गुरु घासीदास विश्वविद्यालय ने अधिगम- परिणाम आधारित स्नातक पाठ्यक्रम का कार्यान्वयन किया है। यह विश्वविद्यालय सभी संस्थाओं के लिए एबीसी पंजीयन उपलब्ध कराने में अगुवा है एवं राष्ट्रीय शिक्षा नीति - 2020 के सभी महत्वपूर्ण प्रावधानों को कार्यान्वित करने में सबसे आगे है। इस संदर्भ में लघु-मध्य एवं दीर्घ अवधि के लक्ष्यों के साथ राष्ट्रीय शिक्षा नीति कार्यान्वयन रणनीति एवं राष्ट्रीय शिक्षा नीति के कार्यान्वयन की स्थिति को समाहित करने वाली किताब "रणनीति योजना एवं लक्ष्य" राष्ट्रीय शिक्षा नीति के महत्वपूर्ण तत्वों के आगामी कार्यान्वयन के लिए महत्वपूर्ण होगी। समिति को उनके इस प्रयास के लिए शुभकामनाएं।

(प्रो. मनीष श्रीवास्तव)





अतुल कोठारी
राष्ट्रीय सचिव
शिक्षा संस्कृति उत्थान न्यास नई दिल्ली

संदेश

मुझे यह जानकर खुशी हो रही है कि गुरु घासीदास विश्वविद्यालय के दूरदर्शी कुलपति प्रो. आलोक चक्रवाल द्वारा गठित राष्ट्रीय शिक्षा नीति-2020 की टास्क फोर्स ने "रणनीतिक योजनाएँ और लक्ष्य" तैयार किए हैं और राष्ट्रीय शिक्षा नीति-2020 के महत्वपूर्ण प्रावधानों के चरण-दर-चरण कार्यान्वयन के लिए उन्हें एक पुस्तिका के रूप में प्रकाशित करने की योजना बना रहे हैं। शिक्षा नीति 2020 के सम्योचित कार्यान्वयन के लिए यह आवश्यक है कि इसके विभिन्न आयामों के लिए निर्धारित लक्ष्यों हेतु लघु, मध्यम और लंबी अवधि के आधार पर एक अच्छी तरह से बनाई गई समयबद्ध योजना तैयार की जाए।

मुझे बताया गया था कि "रणनीतिक योजनाओं और लक्ष्यों" को आठ उप-समितियों द्वारा बनाया गया है, जिनमें से प्रत्येक ने राष्ट्रीय शिक्षा नीति - 2020 के एक पूर्वनिर्धारित महत्वपूर्ण प्रावधानों के लिए अनुशंसाएँ एवं लक्ष्य तैयार किए हैं, जिन्हें विश्वविद्यालय की अकादमिक परिषद द्वारा विचार विमर्श के बाद अनुमोदित किया गया था। इसके अतिरिक्त, पुस्तिका राष्ट्रीय शिक्षा नीति - 2020 के कार्यान्वयन विवरण के साथ-साथ नीति की उचित समझ के लिए विश्वविद्यालय द्वारा किए गए जागरूकता और क्षमता वृद्धि कार्यक्रमों को भी प्रस्तुत करती है।

इसलिए, मुझे लगता है कि यह पुस्तिका राष्ट्रीय शिक्षा नीति - 2020 के कार्यान्वयन के माध्यम से संस्थागत परिवर्तन के लिए एक दृष्टि-पत्र (विज़न डॉक्यूमेंट) के रूप में काम करेगी। "रणनीतिक योजना और लक्ष्य" विश्वविद्यालय द्वारा प्रस्तावित शैक्षणिक कार्यक्रमों में प्रदेश-निकास नीति, समग्र और बहुआयामी दृष्टिकोण को लागू करने, कौशल और नवाचार को शामिल करने, शिक्षार्थियों को अनुभवात्मक शिक्षा और इंटरशिप प्रदान करने के साथ-साथ बहुआयामी शैक्षिक परिस्थिति तंत्र को बढ़ाने के लिए प्रोटोकॉल भी होगा।

मुझे राष्ट्रीय शिक्षा नीति - 2020 के विभिन्न आयामों को लागू करने के लिए टास्क फोर्स के साथ बातचीत करने, दिशा-निर्देश प्रदान करने और अनुभव साझा करने का सौभाग्य मिला है। यह पुस्तिका न केवल इस विश्वविद्यालय के लिए बल्कि अन्य शैक्षिक संस्थानों में भी राष्ट्रीय शिक्षा नीति - 2020 को लागू करने के लिए बहुत उपयोगी दस्तावेज साबित होगी।

मैं गुरु घासीदास विश्वविद्यालय में राष्ट्रीय शिक्षा नीति - 2020 के कार्यान्वयन के लिए "रणनीतिक योजनाओं और लक्ष्यों" के सफल प्रकाशन के लिए टास्क फोर्स को अपनी हार्दिक शुभकामनाएँ व्यक्त करता हूँ। मुझे विश्वास है कि प्रो. आलोक चक्रवाल के नेतृत्व में समस्त विश्वविद्यालय परिवार इन लक्ष्यों को सफलतापूर्वक हासिल करने में यशस्वी होंगे।

अतुल कोठारी

राष्ट्रीय सचिव





Prof. P.K. Bajpai,
Convener
NEP-2020 Task Force

संयोजक
टास्क फोर्स समिति, कार्यान्वयन एनईपी-2020

प्राक्कथन

राष्ट्रीय शिक्षा नीति 2020 भारत को एक वैश्विक ज्ञान महाशक्ति में बदलने में सक्षम एक सुविचारित, अभिनव रोड मैप के रूप में सामने आई है। सही मायने में, यह नीति देश भर में लगभग सभी हितधारकों से व्यापक चर्चा, संवाद और योगदान से विकसित हुई है। नीति में उच्च शिक्षा की गुणवत्ता के मामले में उच्चतम वैश्विक मानकों को प्राप्त करने की परिकल्पना की गई है और एक ही समय में शिक्षार्थियों में भारतीय मूल्यों, लोकाचार, देशभक्ति, मानवीय सशक्तिकरण और सामाजिक जुड़ाव के प्रति संवेदनशीलता अन्तर्निविष्ट करती है। राष्ट्रीय शिक्षा नीति 2020 के अनुरूप, सरकार की नीतियों और उच्च शिक्षा संस्थानों के दृष्टिकोणों के बीच समन्वित राष्ट्रीय प्रयासों और परस्पर संबंधों को तालमेल बिठाने की जरूरत है, ताकि इसे समयबद्ध ढांचे में लागू किया जा सके। इस कार्य का पूरा विचार शिक्षार्थियों की हमारी युवा पीढ़ी को वास्तव में वैश्विक नागरिक बनाना है, जो भारतीय मूल्यों में गहराई से निहित है, हमारी सांस्कृतिक विरासत से अवगत है और भारतीय होने पर गर्व करने के साथ भारत को इसकी महिमा के शिखर पर ले जाने के लिए आश्वस्त है। इस उद्देश्य को साकार करने का प्रयास करते हुए, माननीय कुलपति महोदय ने उच्च शिक्षा में राष्ट्रीय शिक्षा नीति -2020 के विभिन्न तत्वों के प्रभावी और समय पर कार्यान्वयन के लिए कार्यान्वयन रणनीतियों को तैयार करने के लिए एक टास्क फोर्स का गठन किया है। टास्क फोर्स ने राष्ट्रीय शिक्षा नीति -2020 के विभिन्न आयामों को लागू करने के लिए बुनियादी रोडमैप और रणनीति विकसित की है। विकसित रणनीति में अंतरराष्ट्रीय स्तर पर प्रासंगिक अधिगम परिणाम आधारित पाठ्यक्रम, विदेशों में भारतीय उच्च शिक्षा संस्थानों के ब्रांड निर्माण, विदेशी विश्वविद्यालयों के साथ अकादमिक और शोध सहयोग, दोहरी व्यवस्था के तहत क्रेडिट मान्यता, वैश्विक नागरिकता दृष्टिकोण और विदेशी पूर्व छात्रों के साथ जुड़ाव जैसी गतिविधियों की एक विस्तृत श्रृंखला शामिल है। बड़े गर्व और सौभाग्य के साथ, राष्ट्रीय शिक्षा नीति -2020 टास्क फोर्स द्वारा तैयार की गई राष्ट्रीय शिक्षा नीति -2020 कार्यान्वयन के लिए रणनीतिक योजना और लक्ष्य साझा कर रहा हूँ। मुझे विश्वास है कि यह दिशा-निर्देश हमारे उच्च शिक्षा संस्थानों को शिक्षा और अनुसंधान के क्षेत्र में सहयोग के नवीन क्षेत्रों का पता लगाने और नए भारत की आकांक्षाओं को पूरा करने में योगदान करने के लिए प्रोत्साहित करेंगे।

प्रो. पी.के. बाजपेयी





Effective implementation of NEP-2020

Strategic plans and goals



- Multidisciplinary and Holistic Education
- Equity, Access and Inclusion in Higher Education
- Providing Flexible Holistic and Multidisciplinary Education Transforming the Faculty and Revisiting their Role
- Technology Enabled Learning & Capacity Building for Blended Mode of Learning
- Integrating Indian Knowledge System, Language, Values and Culture with Present Knowledge System
- Internationalization of Higher Education
- Synerzizing Teaching Research and Innovation with Ranking





Salient points of NEP-2020 Implementation @ GGV

Restructuring Ph. D. Regulations-2023 : Aligning with NEP-2020 and Making Ph.D. Programs Interdisciplinary and Flexible

Academic Bank of Credits (ABC) implemented from the Academic Year 2021-22 onwards. 6000+ students already registered with Academic Bank of Credits (ABC) portal.

Curriculum framework and ordinance of 04 year undergraduate programs with multiple entry-exit provisions are designed.

Engineering programs with multiple entry-exit systems and holistic framework are implemented.

All under graduate programs are restructured with LOCF and internship.

Experiential learning has been enhanced up to 40% in professional, 34% in Sciences and 23% in Social Science & Arts.

More than 15 workshops and conferences are organized to create awareness and sensitization about NEP-2020 implementation.

Strategic plans and Goals have been formulated and published as a book by the NEP-2020 Taskforce constituted .





Implementation status: Multidisciplinary

Steps taken for provisions in the ordinance to accommodate multidisciplinary courses

Open electives from other Schools of Studies in PG Programs Core and professional elective in the UG and PG curricula.

Extra-Curricular activities are brought as Curriculum activities including NSS, NCC, Yoga, etc

Mandatory internship in all programs.

Establishment of Innovation Centre for providing hands on experience in interdisciplinary areas Proposals for 11 Centre of excellence in Multidisciplinary settings are designed and submitted to DST/Ministry of Education/AICTE for creating an eco-system for Research at interfaces

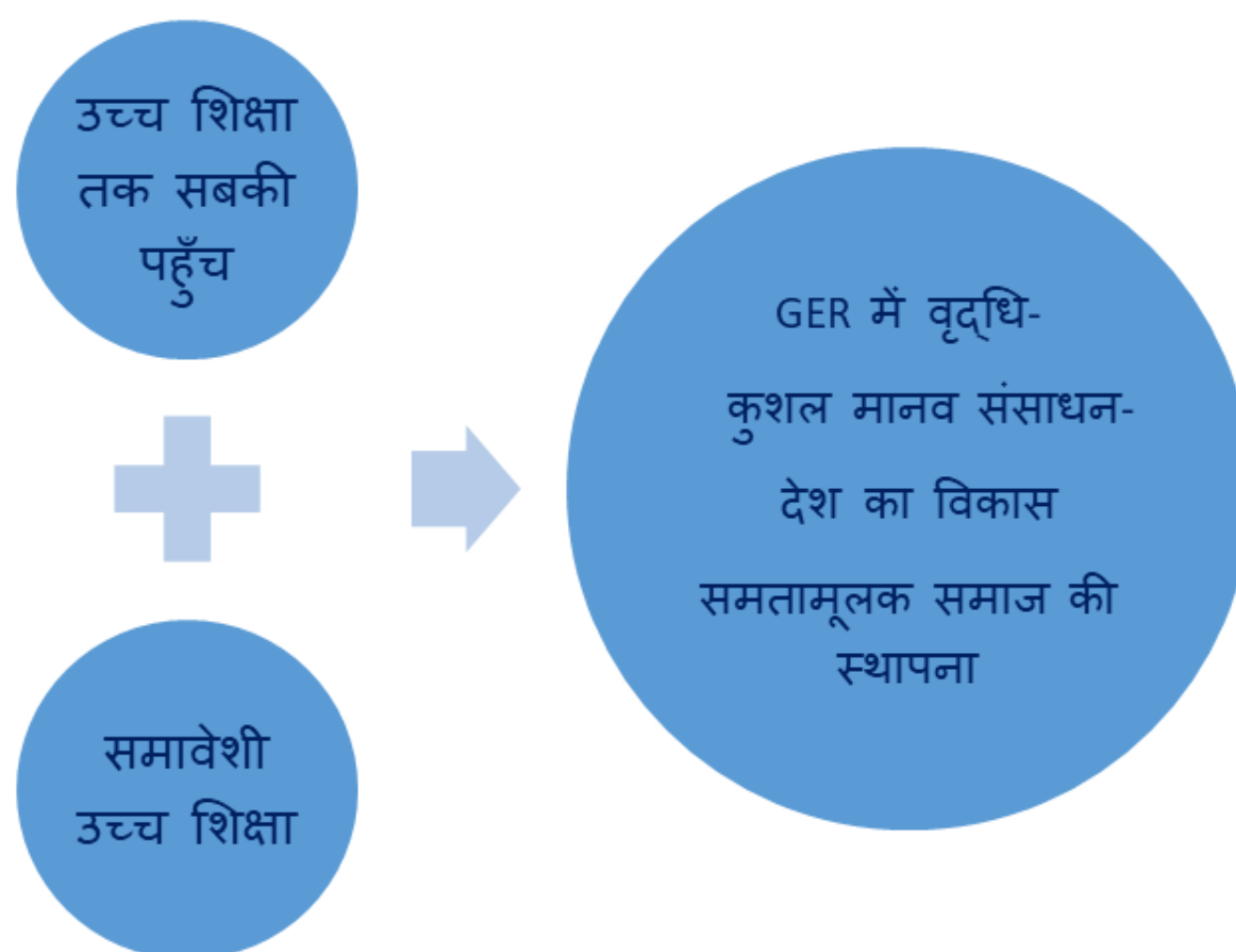
28 Open electives are offered from Professional Departments with a view to impart quality 21st century skills to students of Arts, Social Sc and Commerce.

51 new AECs, 41 SECs and several value added courses launched for UG programs from 2021-2022 that includes innovative courses from ancient Indian knowledge including Physics from Vaisheshika, History of Indian Mathematics, Bhagvat Gita and Rsa Vidya.





Equity, Access and Inclusion: Implementation Status



- पर्याप्त बुनियादी ढांचे वाले मौजूदा विभागों में सीटों में वृद्धि।
- संवैधानिक मूल्यों और मानवाधिकारों से सम्बंधित विषयों को पाठ्यक्रम शामिल करना
- जेंडर समानता के मुद्दों को संवेदनशील बनाना और विश्वविद्यालय के सभी पहलुओं में जेंडर संवेदनशीलता।
- वंचित शैक्षिक पृष्ठभूमि से आने वाले छात्रों के लिए ब्रिज कोर्स विकसित करना
- विश्वविद्यालय परिसर में पर्याप्त संख्या में शौचालय, यूटिलिटी शॉप की स्थापना
- सभी भवन और सुविधाएं बाधा रहित, व्हीलचेयर-सुलभ और विकलांग-अनुकूल हैं, सड़क पर दिशात्मक संकेत स्थापित, और ब्रेल में साइनेज
- समान अवसर प्रकोष्ठ का सुदृढीकरण





Learning Outcomes based Curriculum Framework (LoCF)

LOCF circulated by UGC have been modified and aligned with NEP 2020

Apart from 29 programmes given by UGC, LOCF have also been implemented in all UG and professional programmes by mapping the Course Curricula with learning outcomes.

All UG programmes have been restructured for multidisciplinary options (Session 2022-23) and the Curriculum of all PG programmes have been revised to incorporate outcome based Curriculum Objectives (COs), Program Objectives (POs) and Program Specific Objectives PSOs

23% of the syllabi of UG programmes and 34% of the syllabi of PG programmes have experiential learning components

Rigorous awareness campaign launched; organized more than 14 programmes including 3 days

workshop on reforming LOCF.

Teaching learning process is transformed in blended mode with emphasis on opting for online MOOC, NPTEL courses up to 40%.

Assessment process is transformed from summative towards formative and technology enabled.



Guiding Principles of Curriculum Frame work

Holistic development

- Communication Skills
- Human Ethics and Culture
- Science and Society
- Basic Computational Skills
- Theatre / Painting/Performing Arts
- New Venture Planning and Development
- Community Services and Engagement

Multilingualism

- Local and traditional Language
- Folk art and folk lore
- Communicative English
- Modern Indian Languages
- Foreign languages

Multidisciplinary

- Major and Minor Combination
- Value Enhancement course
- Vocational Course
- Skill Enhancement course
- Ability Enhancement Courses
- Certificate Courses
- Online Courses
- Incentive credit Courses
- Outside University activity Courses (Swablambi Chhattishgarh)
- University Additional Credit Course

Flexibility

- Science and Literature
- Community Health and social work
- Arts and Natural Sciences
- Humanities and Life Sciences
- Management / Commerce and Interdisciplinary Research
- Education and Sciences

Creativity, Innovativeness and Critical thinking

- Performing Art
- New Media
- Literature
- Interdisciplinary Research
- Science and management
- Rural Technology

Experiential Learning

- Internships / Apprenticeship
- Projects / Practicum / research Task / dissertations
- Community based Research and Community Outreach
- Earn while learn



The award of credits for various activities will be as follows:
Cultural Activities and competitions as notified by university

S. no.	Activity	Selection level	Distribution	Credit (Max. 4)
1.	Speech/ debate/ essay writing/ rangoli/ slogan writing/ singing/ others etc.	Department level (I, II, III positions)	One time	0.25
			Two times	0.5
			Three times	0.75
			Four times	1
		School level (I, II, III positions)	One time	0.5
			Two times	1
			Three times	1.5
			Four times	2.0
		University level Position (I,II,III)	One time	1
			Two times	2
			Three times	2
			Four times	2
		Zonal level /Youth Festival	Participation	1
			Position (I,II,III)	2
		National level	Participation	2
			Position (I,II,III)	3
		International level	Participation	3
			Position (I,II,III)	4

2.	Udaan magazine* (only If published and uploaded on website)	Editorial Board, website board, marketing board and other sections	Active participation	0.5
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3.	Urchins* (Drama etc)	Team Member	Participation	0.5
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4.	Abhinartan* (Dance)	Team Member	Participation	0.5
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5.	SPIC MACAY* (Organizing Team Members)	Team Member		0.5
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6.	Tarang Band Participation*	Performance on 15 August/26 January (Mandatory)	Perform	No Credit
		Performance in any function of the university level function	Per function	0.25
		Performance in any function of the university of national level function	Per function	0.5

7.	Sports	University level	Participation	0.5
			Position (I,II,III)	1
		Zonal Level	Participation	1
			Position (I,II,III)	2
		National Level	Participation	2
			Position (I,II,III)	3
		International level	Participation	3
			Position (I,II,III)	4





04 Years Degree Programs with multiple Entry-Exit Option and ABC

4 year degree programmes curriculum Framework has been designed for Science, Social Science, Arts, Commerce and other streams covering almost all dimension of education.

The guidelines of National Higher Education Curriculum Framework (NHEQF) as well as 04 Years Degree Program structure of Karnataka Government (Model Regulation framed by Karnataka Higher Education Council, Karnataka Govt. Order No. ED 260 UNE 2019 (part-I) dated 07.08.2021 has been considered as basis.

5 baskets having foundation courses from Sciences, Life Sciences, Social Sciences, Arts and Vocational Courses are offered in first three semesters in these programs.

Sports, NCC, NSS, Yoga are made the integral part of programmes

Ability Enhancement Courses (AEC) can be offered by any School for all the students of GGV providing flexibility

Skill Enhancement Courses (SEC) have been incorporated including AI/ML to increase the skill and innovation

Compulsory internship seminar and other forms of experiential learning are included in these programs.

Multiple Entry-Exit Options (at Level 5, Level 6 and Level 7 are made with credit transfer from MOOC, NPTEL and ABC

Several Value Added Courses (VAC) have been started to supplement students interest beyond curriculum .





Preparation for 4 Years Degree Programmes Cont..

UGC regulation for ABC and multiple entry / exit system are adopted and Necessary restructuring of relevant ordinances is going on for credit transfer under ABC, Course registration, etc.

University got registered in ABC and all students are motivated to get registered on ABC portal, examination forms are also redesigned to accomodate ABC registration id

Necessary statutory provisions for the implementations have been incorporated. (These will be implemented once UGC notify)

These programmes include 5 baskets of Physical and Mental development

A compulsory course on Bharat Bodh apart from courses inculcating 21st century skills are incorporated

The idea is to provide learner a solid base in Indian ethos at the same time state of the art skills and innovation through these 04 years programs with enough flexibility, choice of degree and quality.





Synergising Research and Innovation with Teaching

Transforming GGV into Future Ready Higher Education Institutions of Worldwide Standards

State of the Art Central Research Facility (CRF) being established for Niche area research in interphase areas

11 centers of excellence covering a multi-disciplinary ecosystem are being established (Proposal submitted)

Proposals in 07 identified areas with Cente of Excellence are also submitted to AICTE

Technology Enabling Centers to facilitate the transfer of knowledge to value addition is under consideration with DST.

Proposal for 10 new departments has been submitted to provide more Interdisciplinary education on campus. 06 New skill based programs are launched in this session.

Mahima Guru Chair is established in order to propagate the ideas of Indian Saints and Scholars

Technology-Enabled Learning Infrastructure (Smart Classrooms) and MOOC lab are upgraded for blended mode learning

Incubation center was established, in conjunction with industry, to inculcate the idea of incubation among the students

Planning to go for NBA accreditation of all programmes governed by AICTE





Faculty Capacity Enhancement: Redefining their Role

State of the art MOOC laboratory has been developed capable of developing quality MOOCs programmes

Faculties are participating in the Mentor-Mentee programme / FDP and QIP related to NEP 2020

Organized three MOOCs training programme and around 100 faculty members benefitted by these programmes.

All departments are motivated to choose MOOC courses and offer them in various programme in this session

Every department will design atleast one online course to be offered on SWAYAM platform.

Fast track financial approvals for research projects and paper free work (using software automation system)

Faculty is being incentivized through various awards (Best Teacher Award, Best Researcher Award, etc.)





Technology Enabled Learning & Capacity Building for Blended Mode of Learning

Optimum use of technology-based education platforms, such as DIKSHA/ SWAYAM, NPTEL.

Adequate technology support for improvement of educational processes and outcomes (Samarth is being used for almost all academic processes).

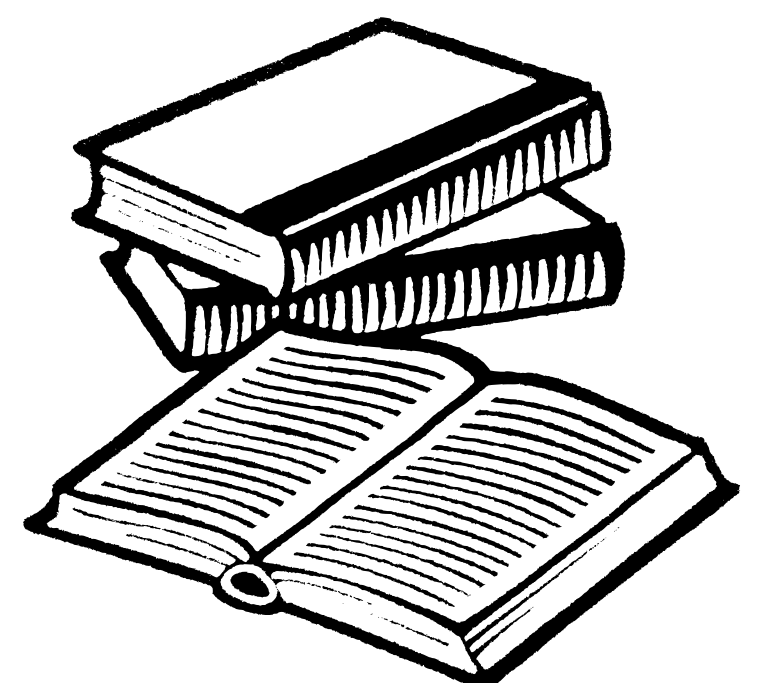
Technology Enabled Learning & Capacity Building purposes of improving teaching-learning and evaluation processes has taken place.

Adequate hardware and software support for teacher preparation and professional development, enhancing educational access, and streamlining educational planning,

management, and administration processes.

Blending of traditional teaching with the online in undergraduate and vocational programmes.

To measure its effectiveness of Blended Learning Program.





Integrating Indian Knowledge System, Language, Values and Culture

Efforts for Holistic Personality Development:

NSS, NCC, Ek-Bharat Shrestha Bharat, Cultural Clubs, Yoga, and several activities are encouraged to provide learner a wide spread hands on experience of life situations.

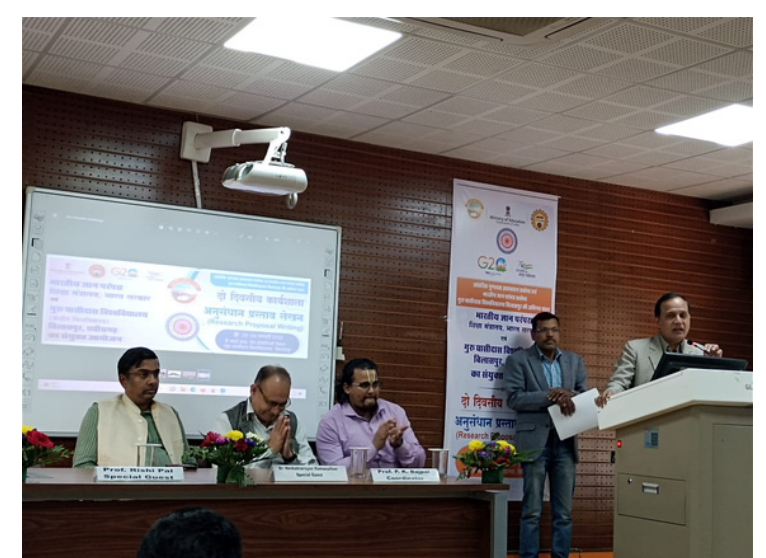
Pedagogy to make education more experiential by incorporating 40 per cent experiential teaching in all the programs; currently it is averaged around 23% Sensitizing teachers and parents to promote holistic development of the student; Promoting multidisciplinary education across the domains;

Introducing Indian Knowledge system into curriculum

Framing of curriculum for the degree programme, each course of the programme include subject specific Indian Values, Indian Culture, Indian History and Indian Origin related to the respective course as the first unit (or at least the portion of first unit) of the syllabus in the prescribed course.

Creating Bharat Bodh

Every Learner will get instill with Nationalistic fervor through ancient Indian Knowledge





Efforts towards Swavlambi Bharat: Integrated efforts for Swablambi Chattisgarh



As per the spirit of New Education Policy – University has undertaken Self Reliant Chattisgarh Program through integrated approach involving all stakeholders .The whole idea of Swablambi Chattisgarh is to

Provide earning opportunities to the students when they enter into the University thus providing them real life experience, Opportunities for skill and capacity building, Instilling their self confidence and providing an eco-system that encourages them to become entrepreneur

This program will aim to Man making Nation Building through education where physical and mental development of the learner will be in an eco-system that is Bhartiya in nature (Rooted in Indianness), having skill sets that are compatible with 21st century. Integration of successful entrepreneurs, Industrialists, Academic leaders and appropriate eco-system is the key elements of this scheme.





FLAGSHIP OF SKILL INDIA

Special campus are being organised at 100 locations with Nehru Yuva Kendra Sangthan

Special SMS Campaign is being rolled out to built awareness of the programme reaching out 40 crore subscribers.

PM Modi presented industry job offer letters to five female ITI graduates at the event.

SKILL CARDS and CERTIFICATES awarded to trainees who had recently completed training through the pilot phase of PMKVY.

The Universities / HEIs are at the forefront in actualising the Skill India Mission through Experiential Learning, Training and nurturing skills among the students and scholars





NEP-2020 initiatives in Tripartite MoU: Pointwise Implementation

NEP-2020 Policy Initiatives	Key Performance Indicators (KPIs)
Multidisciplinary	All programs at UG level have AEC and SEC offered from other departments. NSS/ Yoga/Sports are integrated in Curricula. ALL PG Programs have open electives from other Schools. Internship, Seminar and Project work/field training are mandatory in all programs.
Multiple entry-exit	15 programs including 07 B.Tech, B.Pharm, will be offered with Multiple Entry-Exit Options from 2022-23.
Academic Bank of Credit	Registered Higher Education Institute under ABC. Students also registered for ABC id. Examination forms and ordinance being restructured for credit transfer under ABC. All PG Programs will have Option for credit transfer with other institutes from 2022-23.
National Academic Depository	Approx. 10,000
Credit Transfer of SWAYAM courses (online courses)	2021-22: 02; 2022-23: Being chalked out by various departments
Skill Development Courses	06 Skill based new programs launched from 2022-23 under self finance mode. 51 new AECs and 41 SECs launched for UG programs from 2021-2022.
Programme/Courses in regional languages	As such all programs have option of Hindi in examinations. However, 03 programs will be exclusively offered in Hindi from 2022-23.





NEP – 2020: Towards Holistic and Flexible Education in India

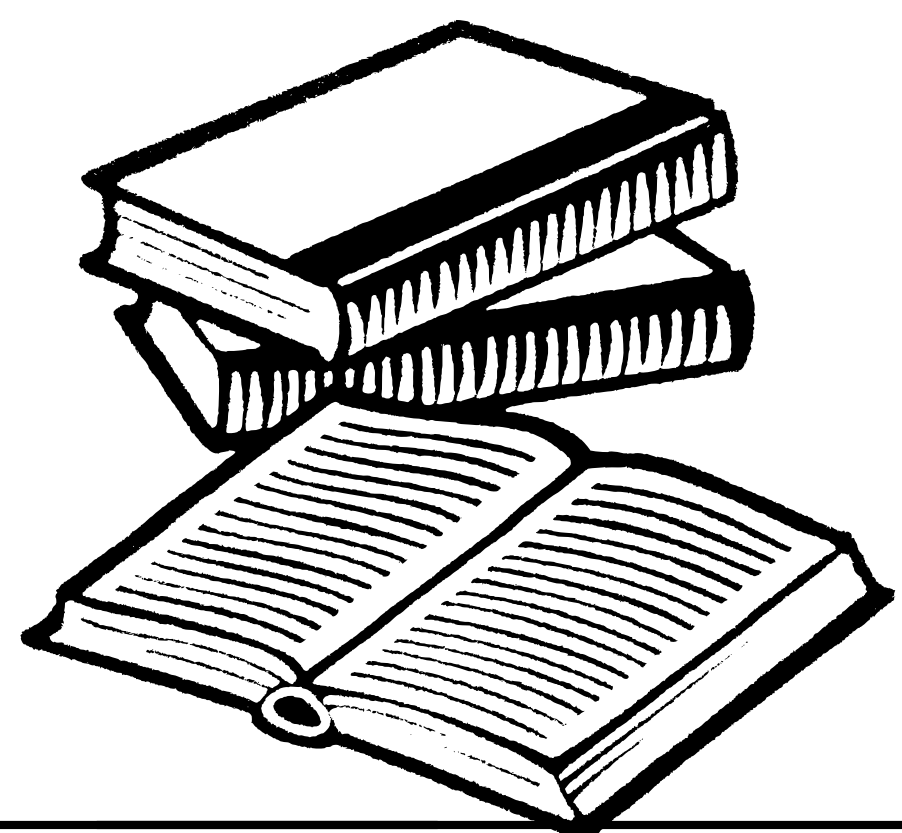
NEP-2020 envisages Holistic education as way to lead the country into the 21st century.

It aims at complete realisation of the self and towards national development.

Holistic education is a drift away from compartmentalisation towards a strong integration of the learner with nature.

NEP-2020 covers the total span of holistic education by talking of education right from the first year to lifelong learning.

University as pedagogical laboratory for learning and development of the students, and developing higher-order skills, such as analysis, critical thinking, and conceptual clarity.





Orienting Higher Education for AtmaNirbhar Bharat

AtmaNirbhar Bharat aims at making India as global manufacturing hub.

Target is to achieve a USD 5 trillion economy.

Possible if manufacturing sector grows in double digits on a sustained basis.

Our manufacturing companies have to become an integral part of global supply chains, possess core competency and cutting-edge technology.

Developing knowledgeable, skilled and blissful learners equipped with 21 century skills and rooted in Indian values is the unique opportunities for creating global harmony peace and development.





Inclusive and sustainable Development for Aspirational India

Universities are realigning themselves to transform as the source of inclusive Development for Aspirational India.

The multidisciplinary and cluster based educational models inspired by NEP-2020 are targeting the segments like **Agriculture and Allied sectors, Farmers' Welfare and Rural India, Migrant Workers, and Financial Inclusion** that are focus of governance for inclusive India

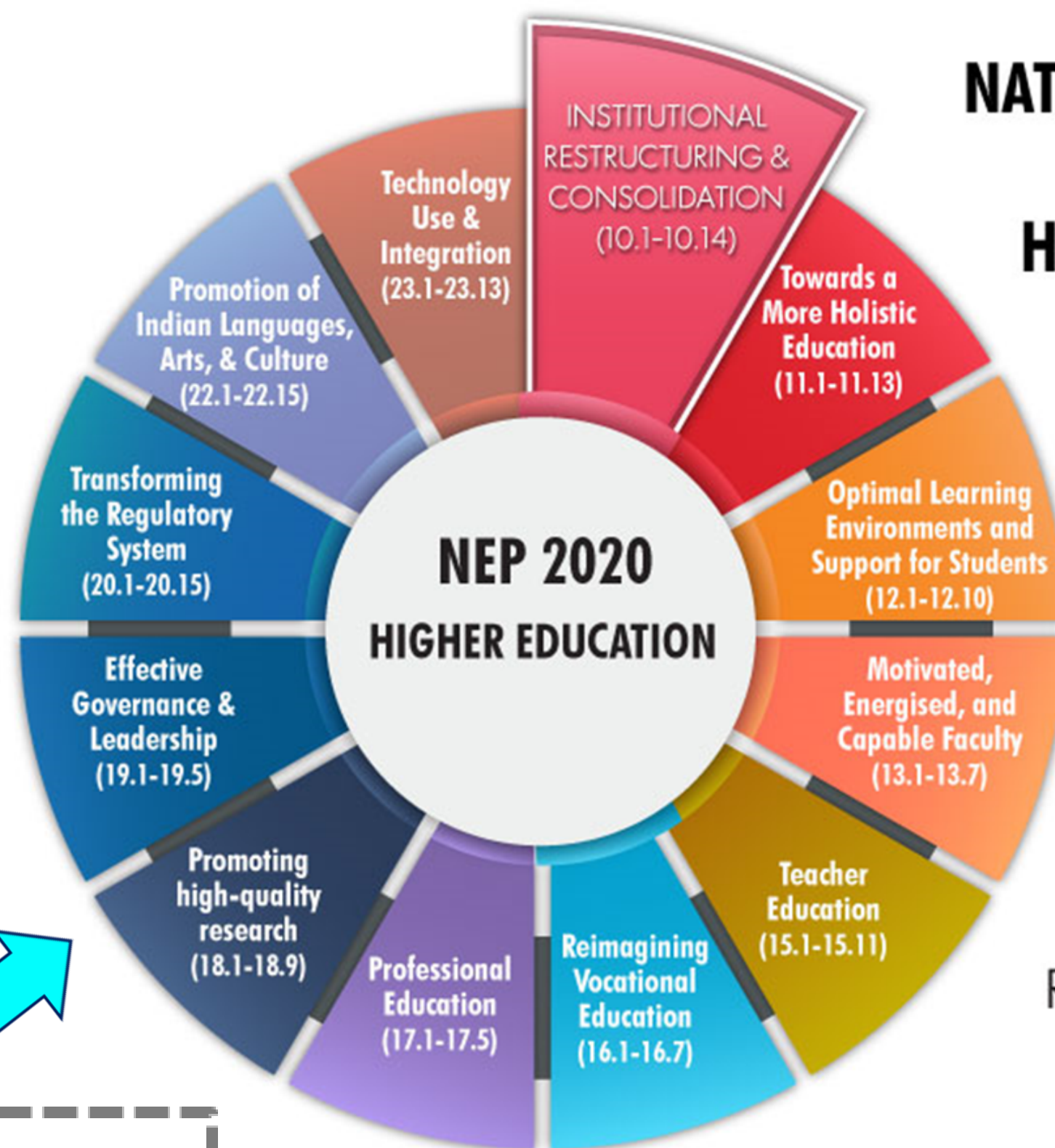
Universities & HEIs are now technology enabled and focusing on synchronization of teaching research and innovation for providing sustainable solutions to challenges at Regional, National and Global stage thus contributing in elimination of disparities of all kinds

The approach should shift from Incremental Change to Transformative change.





NEP-2020 AND GOOD GOVERNANCE



**NATIONAL EDUCATION
POLICY 2020:
HIGHER EDUCATION**

INSTITUTIONAL
RESTRUCTURING &
CONSOLIDATION

**Effective
Governance
& leadership**





Make in india

Decades of manufacturing in india

Where are we:

The largest global hub in manufacturing and investment

One of the fastest growing economies

The 3rd largest economy in terms of PPP and 2nd largest economy in the world.

Numero uno in Demographic dividend with 21st century skills.

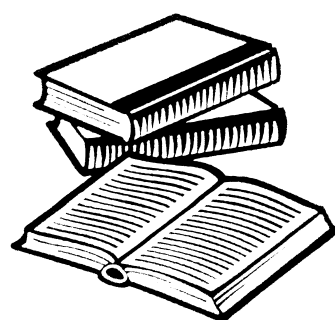
Footprints in every global venture

In this too, Universities have been the knowledge centres for nurturing skills for making them fit for global competition and leadership.





Way forward for Universities



Developing Holistic approach and multidisciplinary learner centric eco-system.

Incorporating critical skills such as thinking and rational decision making intended for problem solving.

Inculcating understanding among the students about the problems in life, society and nations.

Imparting self-control in them through yoga, meditation and developing Panch Kosh that is important for positive mind set in life as emphasised in NEP-2020.

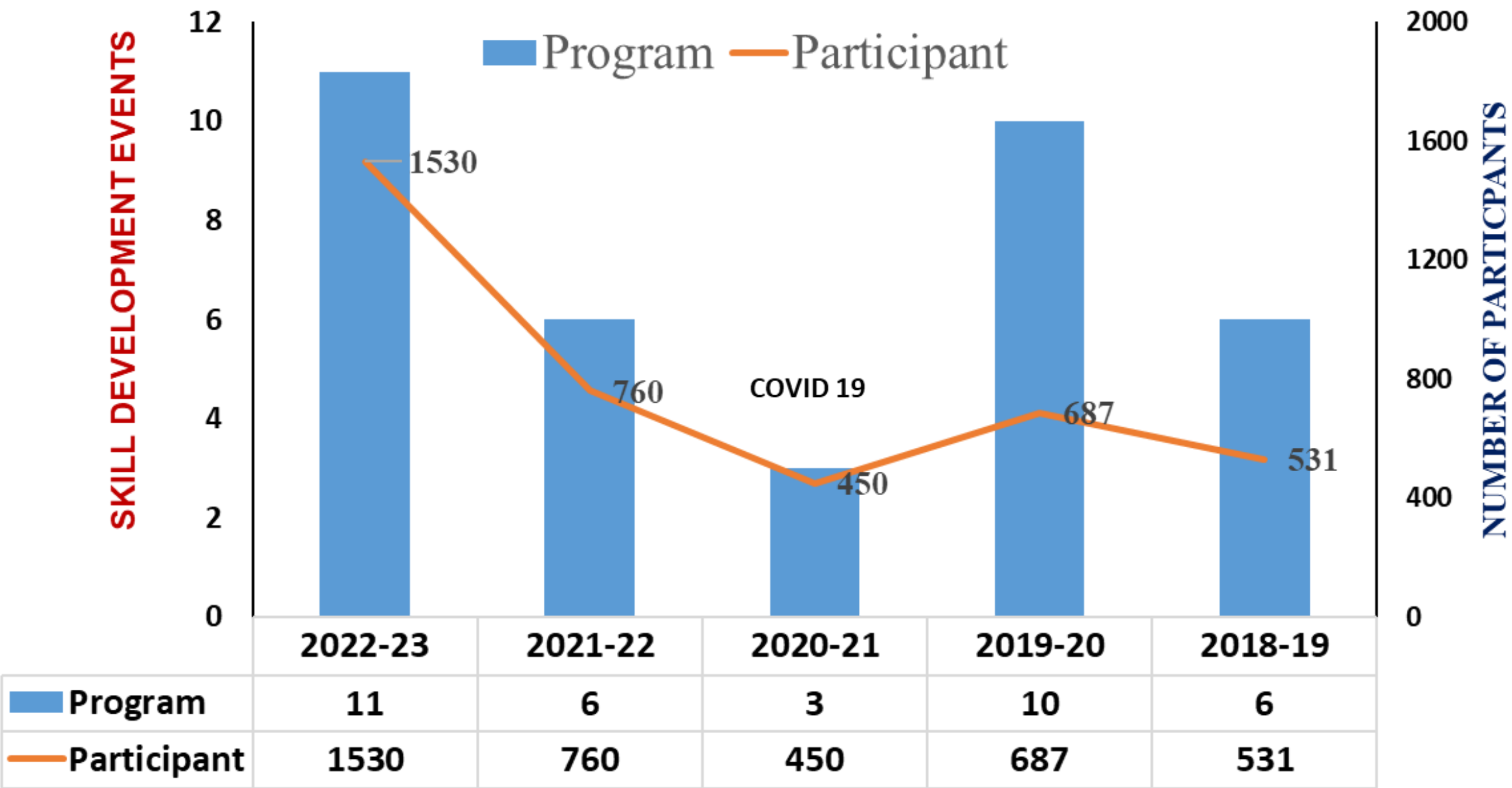




Status of Skill development Event in last five years



UNIVERSITY SKILL DEVELOPMENT PROGRAMES





Details of NEP Programme

S.No.	Course Op/RC/STC		Coordinator		Duration fromTo.....	No. of Particip ants	Year
1	Short Term Course on Thematic Popularization of NEP 2020	ID	Dr. Ratnesh Singh	STC	29/10/2021 to 29/10/2021	44	2021-22
2	Workshop on NEP 2020: Academic Bank of Credit (ABC)	ID	Dr. Ratnesh Singh	WS	27/06/2022 to 27/06/2022	230	2022-23
3	Workshop on NEP 2020: Multidisciplinary	ID	Dr. Ratnesh Singh	WS	28/06/2022 to 28/06/2022	228	2022-23
4	Workshop on NEP 2020: Internationalization of Higher Education	ID	Dr. Ratnesh Singh	WS	30/06/2022 to 30/06/2022	228	2022-23
5	Workshop on NEP 2020: Good Academic Research Practices/Academic Research Integrity	ID	Dr. RatneshSingh	WS	30/06/2022 to 30/06/2022	236	2022-23
						966	





TOTAL NUMBER OF NATIONAL SERVICE SCHEME (NSS) UNITS IN GGV

S. NO	NAME OF UNIT	STRENGTH
1.	ARTS UNIT	100
2.	CIVIL ENG. AND ELECTRONICS AND COMM. ENG	100
3.	SOCIAL SCIENCE	50
4.	PHARMACY	100
5.	PHYSICAL SCIENCE UNIT (BOYS)	100
6.	MANAGEMENT	50
7.	LAW	50
8.	UTD	100
9.	FORENSIC SCIENCE	50
10.	ZOOLOGY	50
11.	PHYSICAL SCIENCE UNIT (GIRLS)	100
12.	CHEMISTRY	50
13.	CHEMICAL ENGINEERING UNIT	50
14.	COMPUTER SCIENCE ENG AND INFORMATION TECHNOLOGY	100
15.	COMMERCE	100
16.	RURAL TECH	100
17.	FORESTRY	100
18.	PURE AND APPLIED MATHEMATICS	100
19.	BIOTECH	100
20.	INDUSTRIAL AND PRODUCTION ENGINEERING AND MECHANICAL ENG	100
21.	BOTANY	100
	TOTAL	1750





Pre- Republic Day Parade Camp in GGV





GGV SWABHIMAAN THALI (GST)

AN UNIQUE INITIATIVE WHERE SHUDENTS ARE
BEING OFFERED MEAL ONLY @ 10 RS



योजना स्वस्थ भारत की दिशा में अनूठी पहल, आर्थिक रूप से कमजोर विद्यार्थियों को सबसे पहले मिलेगा लाभ

स्वाभिमान थाली: केंद्रीय विश्वविद्यालय 10 रुपये में खिलाएगा भोजन

नईदुनिया
एक्सप्लूजिव
घोरेन्द्र शिन्हा • बिलासपुर (नईदुनिया)

गुरु घासीदास केंद्रीय विश्वविद्यालय का शासन में विद्यार्थियों के लिए अनूठी पहल लेकर आया है। इसका लाभ प्रथम चरण में आर्थिक रूप से कमजोर छात्र-छात्राओं को मिलेगा। राष्ट्रीय सेवा योजना इकाई के छात्रों को 'जी.जी.वी. स्वाभिमान थाली' परीसरे जा रहा है। विद्यार्थियों को मात्र 10 रुपये खर्च कर पौष्टिक और स्वस्थ भोजन मिलेगा।

स्वच्छ भारत-समग्र भारत की दिशा में यह कदम उठाया गया है। राष्ट्रीय

दानदाताओं से चलेगी योजना

स्वाभिमान थाली शुरुआत में विश्वविद्यालय परिसर के भीतर मिलेगी। प्रति थाली 35 से 40 रुपये खर्च आएगा। किन्तु छात्रों से सिर्फ 10 रुपये शुल्क लिया जाएगा। उपर्युक्त व प्रारंभिक खर्च विश्वविद्यालय की ओर से किया जाएगा। जैसे-जैसे व्यय बढ़ेगा, थाली की संख्या बढ़ाई जाएगी। इसके शुरू होने से पहले दान आम शुरु हो चुका है। शुक्रवार को एक दानदात ने 20 हजार रुपये दान कर योगदान दिया। एक रुपये भी दान में दिया जाएगा। इसके लिए अलग से काउंटर बनेगा।

प्रथम चरण में विश्वविद्यालय में अध्ययनरत आर्थिक रूप से कमजोर और जबरन छात्र-छात्राओं को इसका लाभ मिलेगा। 200 थाली तैयार करने की योजना है। धीरे-धीरे इसकी संख्या बढ़ेगी। इसके सफल होने पर संसाधन के साथ छात्रों को इसका लाभ देने विश्वविद्यालय के बाहर भी संचालित किया जाएगा। तब तक छात्रों को इसका लाभ नहीं मिल सके। थाली में प्याज, दाल, सब्जी, प्याज, अचार और सरसद दिया जाएगा।





SKILL TRAINING FOR ENTREPRENEUR DEVELOPMENT

- ✓ **VERMI- COMPOST PRODUCTION**
- ✓ **AZOLLA PRODUCTION**
- ✓ **MUSHROOM PRODUCTION**
- ✓ **HAND MADE SOAP PRODUCTION**
- ✓ **LAC CULTURE**
- ✓ **FISH CULTURE**
- ✓ **NADEP COMPOST PRODUCTION**
- ✓ **VERMI WASH PRODUCTION**
- ✓ **RAJWAR BHITTI ART**
- ✓ **WOODEN ARGT PAIRA AR**





Efforts towards Swavlambi Bharat: Integrated efforts for Swablambi Chattisgarh

As per the spirit of New Education Policy – University has undertaken Self Reliant Chattisgarh Program through integrated approach involving all stakeholders

The whole idea of Swablambi Chattisgarh is to Provide earning opportunities to the students when they enter into the University thus providing them real life experience,

Opportunities for skill and capacity building, instilling their self confidence and providing an eco-system that encourages them to become entrepreneur. This program will aim to Man making Nation Building through education where physical and mental development of the learner will be in an eco-system that is Bhartiya in nature (Rooted in Indianness), having skill sets that are compatible with 21st century. Integration of successful entrepreneurs, Industrialists, Academic leaders and appropriate eco-system is the key elements of this scheme.





GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR

Swavalambi Chhattisgarh

Portal Statistics

Total Users

1021

Total Students

449

Total Jobs

23

Total Recruiters

17

Total Job Applications

193

Total onboarded colleges in CG

96





Preparation for 4 Years Degree Programmes with Entry / Exit Options Cont..

UGC regulation for ABC and multiple entry / exit system are adopted and Necessary restructuring of relevant ordinances is going on for credit transfer under ABC, Course registration, etc.

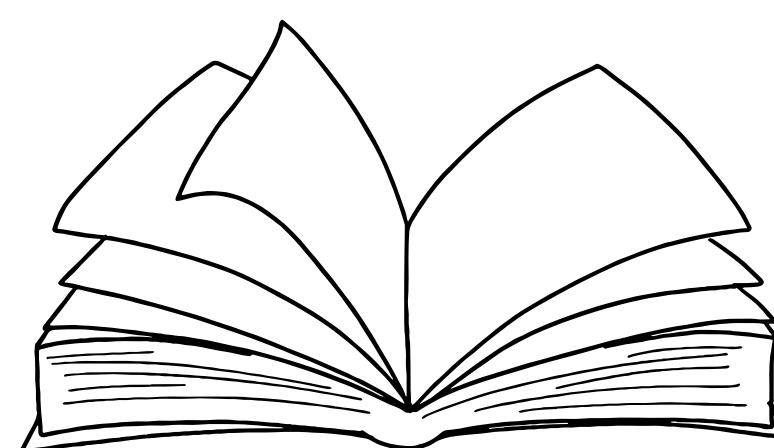
University got registered in ABC and all students are motivated to get registered on ABC portal, examination forms are also redesigned to accomodate ABC registration id

Necessary statutory provisions for the implementations have been incorporated. (These will be implemented once UGC notify)

These programmes include 5 baskets of Physical and Mental development

A compulsory course on **Bharat Bodh** apart from courses inculcating 21st century skills are incorporated

The idea is to provide learner a solid base in Indian ethos at the same time state of the art skills and innovation through these 04 years programs with enough flexibility, choice of degree and quality.





Synergizing Research and Innovation with Teaching

(Transforming GGV into Future Ready Higher Education Institutions of Worldwide Standards)

State of the Art Central Research Facility (CRF) being established for Niche area research in interphase areas

11 centers of excellence covering a multi-disciplinary ecosystem are being established (Proposal submitted)

Proposals in 07 identified areas with Cente of Excellence are also submitted to AICTE

Technology Enabling Centers to facilitate the transfer of knowledge to value addition is under consideration with DST.

Proposal for 10 new departments has been submitted to provide more Interdisciplinary education on campus. 06 New skill based programs are launched in this session.

Mahima Guru Chair is established in order to propagate the ideas of Indian Saints and Scholars

Technology-Enabled Learning Infrastructure (Smart Classrooms) and MOOC lab are upgraded for blended mode learning

Incubation center was established, in conjunction with industry, to inculcate the idea of incubation among the students

Planning to go for NBA accreditation of all programmes governed by AICTE





Faculty Capacity Enhancement: Redefining their Role

State of the art MOOC laboratory has been developed capable of developing quality MOOCs programmes

Faculties are participating in the Mentor-Mentee programme / FDP and QIP related to NEP 2020

Organized three MOOCs training programme and around 100 faculty members benefitted by these programmes.

All departments are motivated to choose MOOC courses and offer them in various programme in this session

Every department will design atleast one online course to be offered on SWAYAM platform.

Fast track financial approvals for research projects and paper free work (using software automation system)

Faculty is being incentivized through various awards (Best Teacher Award, Best Researcher Award, etc.)



Orienting students towards Societal Engagements

वृक्षारोपण अभियान विश्वविद्यालय परिसर में वृहद वृक्षारोपण अभियान चलाया गया जिसके अंतर्गत 1000 से अधिक वृक्ष विश्वविद्यालय में लगाए गए।



वैक्सीनेशन अभियान बूस्टर डोज टीकाकरण हेतु टीकाकरण शिविर का आयोजन किया गया।



मिलेट जागरूकता अभियान मिलेट अनाज के महत्व को जन जन तक पहुंचाने की पहल की गई



नेत्र दान नेत्रदान जागरूकता एवं नेत्र सुरक्षा पर परिचर्चा का आयोजन किया गया

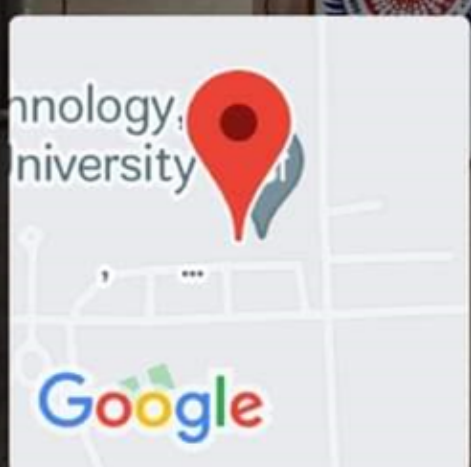


बिलासपुर भास्कर 03-09-2022

सक्षम ने नेत्र जागरूकता पखवाड़ा मनाया



बिलासपुर | सक्षम बिलासपुर ने गुरु घासीदास केंद्रीय विश्वविद्यालय के आईटी कैंपस में नेत्र जागरूकता पखवाड़ा मनाया। इस अवसर पर एनएसएस के प्रभारी डॉ. दिलीप झा ने सक्षम के कार्यकर्ताओं को सम्मानित किया। साथ ही सामाजिक कार्यों की जानकारी दी। प्रांत सचिव अनूप पांडे ने सक्षम के बारे में संक्षिप्त जानकारी दी। कार्यक्रम के मुख्य वक्ता डॉ. संदीप तिवारी ने प्रोजेक्टर के माध्यम से नेत्रदान के बारे में उपस्थित लोगों को जानकारी दी।



Bilaspur, Chhattisgarh, India

Department Of Pharmacy GGV Rd, Koni, Bilaspur,

Chhattisgarh 495009, India

Lat 22. 13177°

Long 82. 141923°

02/09/22 04:02 PM



रासयो महोत्सव दो दिवसीय राष्ट्रीय सेवा योजना शिविर
का आयोजन किया गया जिसमें विभिन्न सांस्कृतिक
कार्यक्रमों एवं खेल का आयोजन किया गया



स्वच्छ भारत अभियान स्वच्छ भारत अभियान के तहत लगभग 800 किलो सिंगल यूज प्लास्टिक एकत्रित किया गया



खुशियों वाली दिवाली एनएसएस संघ खुशियों वाली दिवाली के माध्यम से विश्वविद्यालय परिसर में डोनेशन ड्राइव का आयोजन किया गया।



पूर्व गणतंत्र दिवस परेड शिविर पूर्व गणतंत्र दिवस परेड का आयोजन विश्वविद्यालय परिसर में किया गया।



रक्तदान शिविर विशाल रक्तदान शिविर का आयोजन गुरु घासीदास जयंती के अवसर में किया गया था।





राष्ट्रीय सेवा योजना प्रकोष्ठ

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय)
बिलासपुर, छत्तीसगढ़

रक्तदान
जीवन दान

रक्तदान है प्राणी पूजा
इसके जैसा न दान दूजा।

18 दिसम्बर 2022

गुरु घासीदास जयंती
एवं कुल-उत्सव
के अवसर पर

विशाल
रक्तदान
शिविर





NEP-2020 Implementation @GGV

Prof. Alok Kumar Chakrawal
Vice-chancellor
Guru Ghasidas Vishwavidyalaya, Bilaspur





गुरु घासीदास विश्वविद्यालय
GURU GHASIDAS VISHWAVIDYALAYA

(A Central University established by the Central Universities Act, 2009, No.25 of 2009)

KONI, BILASPUR-495 009 (C.G.) INDIA, कोनी बिलासपुर 495 009 (छठगाँव) भारत

Tel. - +91-7752- 260342 Fax - +91-7752- 260154, 260148, website - www.ggu.ac.in

Ref. No. 175 .../Academic/2023

Bilaspur, Date-

23 JUN 2023

Notification

The Academic Council of the University approved the proposed draft of Ordinance No. 97, governing 04 years UG programme with multiple Entry-Exit options in its meeting held on 31.05.2023.

The minutes of the Academic Council was considered by the Executive Council in its meeting held on 01.06.2023. And thereafter, in exercise of the powers conferred under Section 28 (1) of the Central Universities Act 2009 and Statute 37 made thereunder, Ordinance No. 97 governing 04 years UG programme with multiple Entry-Exit options as enclosed herewith has been passed by the Executive Council in its meeting held on 01.06.2023.

And therefore, Ordinance No. 97 as enclosed is hereby notified after approval of the competent authority for information to all please.

By Order

Registrar (Acting)

Endt. No. 176 .../Academic/2023

Bilaspur Date:- 2023

23 JUN 2023

Copy to –

1. PS/PA to VC for information and record.
2. All HoDs/Officers/Deans/CoE of Guru Ghasidas Vishwavidyalaya, Bilaspur for information please.
3. The Director, IQAC, Guru Ghasidas Vishwavidyalaya, Bilaspur for information please.
4. Finance Officer, Guru Ghasidas Vishwavidyalaya, Bilaspur for information please.
5. Incharge, Audit Section, Guru Ghasidas Vishwavidyalaya, Bilaspur for information please.
6. DSW, Guru Ghasidas Vishwavidyalaya, Bilaspur for information please.
7. CoE of Guru Ghasidas Vishwavidyalaya, Bilaspur for information please.
8. The Coordinator, IT Cell, GGV for information and to upload it on website.
9. Office File.

Assistant Registrar (Academic)



गुरु घासीदास विश्वविद्यालय
GURU GHASIDAS VISHWAVIDYALAYA

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Tel. - +91-7752- 260342, 260221 Fax - +91-7752- 260154, 260148, website - www.ggu.ac.in

Ref. No. 822 /Academic/2022

Bilaspur, Date-

22 DEC 2022

Notification

In exercise of the powers conferred under Section 28 (1) of the Central Universities Act 2009 and Statute 37 made thereunder, following Ordinance has been passed by the Executive Council in its meeting held on 04.11.2022.

And therefore, the following Ordinances is hereby notified after approval of the competent authority-

Ordinances No.	Subject
95	Ordinance for governing the award of B. Tech degree under NEP 2020

The above said Ordinance is enclosed herewith.

By Order

Registrar (Acting)

Endt. No. 823 /Academic/2022

Bilaspur Date:- 2022

22 DEC 2022

Copy to -

1. PS/PA to VC for information and record.
2. The Deputy Secretary, CU.I/II, Central University Bureau, Ministry of Education, Government of India, Department of Higher Education, Room No. 429, "C" Wing, Shastri Bhawan, New Delhi-110001 for information.
3. All HoDs/Officers/Deans/CoE of Guru Ghasidas Vishwavidyalaya, Bilaspur for information please.
4. The Coordinator, IT Cell, GGV for information and to upload it on website.
5. Office File.

Assistant Registrar (Academic)

ORDINANCE No. -.....95

for

Bachelor of Technology (B.Tech.)

Under National Education Policy-2020

Governing the award for the Degree of Bachelor of Technology (B.Tech.) Honors/Research with Multiple Entry and Exit Options

(Ordinance prepared as per the provisions given in Statute 28(1) (b) of
The Central Universities Act, 2009)

1.0 TITLE AND COMMENCEMENT

- 1.1 The Ordinance shall be called as Ordinance for B.Tech. Degree programme with Honors/Research with multiple entry and exit options.
- 1.2 The one-year (two semester + 10 credits of NSQF complaint skill based courses lasting two month, including at least 6 credits job specific internship/ apprenticeship) undergraduate certificate course, two years (four semester + 10 credits of NSQF complaint skill based courses lasting two month, including at least 6 credits job specific internship/ apprenticeship) undergraduate diploma course, three years (six semester + 10 credits of NSQF complaint skill based courses lasting two month, including at least 6 credits job specific internship/ apprenticeship) bachelor of vocational education and four years (Eight Semester) B.Tech. Degree/Honors/Research, shall be designated as 'Bachelor of Technology /Bachelor of Technology Honors/Bachelor of Technology Research' in respective Branches. The performance evaluations of these programmes are on the basis of credits system as well as percentage of marks earned.
- 1.3 This ordinance will come into force from the academic session commencing after the date of notification issued by the University.

2.0 DEFINITION & KEY WORDS

- 2.1 "*Vishwavidyalaya*" or "*University*" means Guru Ghasidas Vishwavidyalaya (A Central University established by the Central Universities Act, 2009 No. 25 of 2009) located at Koni, Bilaspur, Chhattisgarh.
- 2.2 "*Student*" means one who has been admitted in the four years B.Tech. programme of this University through merit list of Joint Entrance Examination (JEE) (main) or any other

procedure decided by Guru Ghasidas Vishwavidyalaya for Admission to B. Tech. degree course time to time.

- 2.3** The candidate shall be eligible for admission on the basis of the "*Academic Year*" means two consecutive (one odd and one even) semesters.
- 2.4** "*Choice Based Credits System (CBCS)*" means a program that provides choice for students to select from the prescribed courses (Basic Science, Humanities, Engineering Science, Mandatory Courses, Professional Core, Professional Elective, Open Elective, etc.) as per the guidelines issued by UGC / AICTE / regulatory bodies where ever applicable and as approved by the appropriate bodies of the University.
- 2.5** "*Course*" means "papers" through different modes of delivery and is a component of a programme as detailed out in the respective program structure.
- 2.6** "*Credits Point*" means the product of grade point and number of credits for a course.
- 2.7** "*Credits*" means a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture, seminar or tutorial) per week or two hours of practical work/field work/project etc. per week. The number of credits for each course shall be defined in the respective examination scheme.
- 2.8** "*Cumulative Grade Point Average (CGPA)*" means a measure of overall cumulative performance of a student in all semesters. The CGPA is the ratio of total credits points secured by a student in various courses registered up to the semester concerned and the sum of the total credit points of all the registered courses in those semesters concerned. It is expressed up to two decimal places.
- 2.9** "*Grade Point*" means a numerical weight allotted to each letter grade on a 10-point scale or as prescribed by the AICTE/ University from time to time.
- 2.10** "*Letter Grade*" means an index of the performance of students in a course. Grades are denoted by letters O, A+, A, B+, B, C, P, and F.
- 2.11** "*Semester Grade Point Average (SGPA)*" means a measure of performance of a student in a particular semester. It is the ratio of total credits points secured by a student in various courses registered in a semester and the total credits of all courses in that semester. It shall be expressed up to two decimal places.

- 2.12 "*Semester*" means an academic session spread over 14-20 weeks of teaching work. The odd semester may normally be scheduled from July to December and even semester from January to June.
- 2.13 "*Grade Card*" means a certificate based on the grades earned. Grade card shall be issued to all the students registered for the examination after every semester. The grade card will contain the course details (code, title, number of credits, grade secured) along with SGPA of the semester and CGPA earned till that semester. The final semester grade card shall also reflect the cumulative total of marks obtained by the student in all semesters out of maximum marks allocated for which the grades of the program were evaluated. However, the final result will be based on the grades/CGPA.
- 2.14 "*Transcript*" means a certificate issued to all enrolled students in a program after successful completion of the program. It contains the SGPA of all semesters and the CGPA.
- 2.15 "*NEP*" means National Education Policy-2020.
- 2.16 "*NSQF*" means national skills qualifications framework defined in NEP-2020.
- 2.17 "*NHEQF*" national higher education qualification framework defined in NEP-2020.
- 2.18 "*UCF*" means unified credits level defined in NEP-2020.
- 2.19 "*Undergraduate certificate course*" means students who completed the requirement of NHEQF level 5/ UCF level 4.5.
- 2.20 "*Undergraduate diploma course*" means students who completed the requirement of NHEQF level 6 / UCF level 5.
- 2.21 "*Bachelor of vocational education*" means students who completed the requirement of NHEQF level 7 / UCF level 5.5.
- 2.22 "*Bachelor of technology (B.Tech.)*" means students who completed the requirement of NHEQF level 8 / UCF level 6.
- 2.23 "*Course Registration*" refers to the formal registration to courses of study in every semester by every student under the supervision of a faculty advisor (also called mentor, counsellor, class teacher, etc.), in the institution to maintain the proper record. registration to the University portal is mandatory.

- 2.24** “*Course Evaluation*” represents the measurement of the impact of the teaching-learning process and offers an opportunity for improving the quality of learning in courses and teaching performance. Courses evaluation is done by adopting different methods such as tests, quizzes, assignments, etc., during the teaching-learning period at the end of some modules or chapters of syllabus contents and at the end of the semester. While the former part of the evaluation is called the continuous internal assessment (CIA) and the later part of the evaluation is called semester end assessment (SEA).
- 2.25** “*CIA also known as formative assessment*” refers to the evaluation of students’ performance in the course during the teaching-learning process. CIA shall be done by the faculty teaching course and evaluation components may include tests, assignments, group discussion, quizzes, course-specific projects, seminars and attendance etc., conducted during the semester with a weightage for different activities as specified by the School / University.
- 2.26** “*SEA also called summative assessment*” refers to the examinations conducted by the University covering the entire course syllabus. For this purpose, Syllabi shall be modularized, and SEA questions shall be set from each module as specified by the School /University.
- 2.27** “*Academic bank of credits (ABC)*” refers to the ABC, is a national-level facility which will promote the flexibility of the curriculum framework and interdisciplinary/multidisciplinary academic mobility of students across the higher education institutions (HEIs) in the country with appropriate “credits transfer” mechanism.
- 2.28** “*Multiple Entry and Exit*” means the multiple entries and exit points in the academic programs offered at HEIs would remove rigid boundaries and create new possibilities for students. There are occasions when learners have to give up their education mid-way for various reasons. To facilitate flexible learning within the stipulated period (08 years for regular students and 06 years for lateral entry students), multiple exit and entry options are given to the needy students. The student can exit from the program only at the end of the even semester/s (2nd, 4th, and 6th semester) and the entry option is provided to the students at the beginning of the odd semester/s (3rd, 5th and 7th semester).

3.0 DURATION

The duration of undergraduate (U.G.) degree programmes leading to B. Tech. degree, shall be normally four years and the maximum duration shall be 8 years from the date of initial registration in First year B.Tech. course. If a candidate will not be able to complete the course in the maximum

duration of 8 years, then he / she will not be eligible to continue the course from that point of time itself and he/she will automatically exit from the program.

4.0 ADMISSION PROCEDURE AND ELIGIBILITY

The minimum qualification for admission to the first year B. Tech. shall be the passing of Higher Secondary School Certificate Examination (10+2) scheme with Physics, Chemistry and Mathematics or any other subjects notified by the AICTE conducted by Central Board of Secondary Education or any other equivalent examination from recognized Board or University. The candidate shall be eligible for admission on the basis of the merit list of Joint Entrance Examination (JEE) (main) or any other procedure decided by Guru Ghasidas Vishwavidyalaya for Admission to B. Tech. degree course time to time. In general, the admission to B.Tech. degree course shall be governed by the rules of, Ministry of Education (MoE), Government of India (GoI) and Guru Ghasidas Vishwavidyalaya.

Admission to 2nd year eligibility for candidates who have passed a 3-years Diploma in Engineering recognized by the AICTE / State University (or) Equivalent Vocational / Technical Program / Under Graduate Certificate with NHEQF level 5 / UCF level 4.5 in the respective discipline for admission to 3rd semester B.Tech., degree program against the vacant seats. However, the candidate shall be eligible for admission on the basis of the entrance examination conducted by the Guru Ghasidas Vishwavidyalaya or any other procedure decided by Guru Ghasidas Vishwavidyalaya for admission to B. Tech. degree course time to time.

Admission to 3rd year eligibility for candidates with 10+4 /12+2 in appropriate domain with NSQF level 6 / Under Graduate Diploma with UCF level 5 completed in the respective discipline for admission to 5th semester B.Tech., degree program against the vacant seats. However, the candidate shall be eligible for admission on the basis of the entrance examination conducted by the Guru Ghasidas Vishwavidyalaya or any other procedure decided by Guru Ghasidas Vishwavidyalaya for admission to B. Tech. degree course time to time

Admission to 4th year eligibility for candidates with Bachelor degree in Vocational in appropriate domain with NHEQF level 7/ UCF level 5.5 completed in the respective discipline for admission to 7th semester B.Tech., degree program against the vacant seats. However, the candidate shall be eligible for admission on the basis of the entrance examination conducted by the Guru Ghasidas

Vishwavidyalaya or any other procedure decided by Guru Ghasidas Vishwavidyalaya for admission to B. Tech. degree course time to time.

With regard to the qualification earned from foreign countries, an equivalence certificate from the University/ Association of Indian Universities is mandatory for admission to B.Tech. Programs. In case of any dispute about the equivalence in qualification earned from foreign countries, the decision of the University in this regard shall be final and binding on all concerned.

The reservations in admission, cancellation of admission and fee refund will be as per AICTE/MoE/GoI/GGV norms and notifications issued in this regard from time to time.

4.1 Eligibility for Under Graduate Certificate

- (a) The Under Graduate Certificate course will be offered by all departments of SoS Engineering and Technology GGV.
- (b) For applicability of Under Graduate Certificate, the candidate who wants to exit after completing one-year (two semester) B.Tech. degree with 10 credits of skill-based courses lasting two month, including at least 6 credits job specific internship/apprenticeship with NHEQF level 5 / UCF level 4.5.
- (c) A student shall report the concerned Head on or before the date notified by the Department /School/University, if he/she is interested to exit with Under Graduate Certificate.

4.2 Eligibility for Under Graduate Diploma

- (a) The Under Graduate Diploma will be offered by all departments of SoS Engineering and Technology GGV.
- (b) For applicability of Under Graduate Diploma, the candidate who wants to exit after completing Two-year (Four semester) B. Tech. degree with 10 credits of skill-based courses lasting two months, including at least 6 credits job specific internship/ apprenticeship with NHEQF level 6 / UCF level 5.
- (c) A student shall report the concerned Head on or before the date notified by the Department /School/University, if he/she is interested to exit with Under Graduate Diploma.

4.3 Eligibility for Bachelor of Vocational Education

- (a) The Bachelor of Vocational Education will be offered by all departments of SoS Engineering and Technology GGV.
- (b) For applicability of Bachelor of Vocational Education, the candidate who wants to exit after completing Three-year (Six semesters) B. Tech degree with 10 credits of skill-based courses

lasting two months, including at least 6 credits job specific internship/ apprenticeship with NHEQF level 7 / UCF level 5.5.

- (c) A student shall report the concerned Head on or before the date notified by the Department /School/University, if he/she is interested to exit with Bachelor of Vocational Education.

4.4 Eligibility for B.Tech. with Honors / Research

4.4.1 Eligibility for Honors degree

- (a) The Honors degree will be offered by all departments of SoS Engineering and Technology GGV.
- (b) The allotment of seat into Honors degree is based on the percentage of marks or CGPA obtained in the B.Tech. degree programme. Percentage of marks shall be taken up to 4th semester.
- (c) A student shall report the concerned Head, if he/she is not interested to pursue/continue the Honors degree programme.
- (d) The students pursuing a B.Tech. degree programme can register for Honors degree offering from the same department.
- (e) Students registering for Honors degree shall select the subjects from same branches/department based on the recommendations of BOS committee. For example, if a student pursuing regular B.Tech. degree in Electronics & Communication Engineering shall select subjects in Electronics & Communication Engineering only and he/she will get B.Tech. Honors degree in Electronics & Communication Engineering.
- (f) Only those students, who have a CGPA of 7.5 or above, without any backlog, will be permitted to register for an Honors degree.
- (g) SGPA or CGPA in excess of 7.5 has to be maintained in the subsequent semesters in B.Tech. as well as Research degree without any backlogs in order to keep the Research degree registration active.
- (h) If a student failed in any registered course of the Honors, he/she shall not be eligible to continue the B. Tech Honors. However, the additional credits and grades thus far earned by the student shall be included in the grade card but shall not be considered to calculate the CGPA.
- (i) Separate SGPA/CGPA shall be shown on semester and final transcripts of B. Tech Honors.
- (j) The students shall complete Honors degree without supplementary appearance within stipulated period as notified by The University for the completion of B. Tech. programme.

- (k) Honors degree shall not be awarded at any circumstances without completing the B. Tech. programme in which a student got admitted.
- (l) If a student is detained due to lack of attendance, he/she shall not be permitted to register the courses for Honors degree.
- (m) The subjects completed under Honors degree programme shall not be considered as equivalent subjects in case the student fails to complete the B.Tech. degree programme.
- (n) For applicability of Honors degree, both B Tech and Honors degree courses shall be successfully completed with specified SGPA/GCPA.

4.4.2 Eligibility for Research degree

- (a) The Research degree will be offered by all departments of SoS Engineering and Technology GGV.
- (b) The allotment of seat into Research degree is based on the percentage of marks or CGPA obtained in the B.Tech. degree programme. Percentage of marks shall be taken up to 4th semester.
- (c) A student shall report the concerned Head, if he/she is not interested to pursue/continue the Research degree programme.
- (d) The students pursuing a B.Tech. degree programme can register for Research degree offering from the same department.
- (e) Students registering for Research degree shall select the subjects from same branches/department based on the recommendations of BOS committee. For example, if a student pursuing B.Tech. degree in Electronics & Communication Engineering shall the selects subjects in Electronics & Communication Engineering only and he/she will get B.Tech. Research degree in Electronics & Communication Engineering.
- (f) Only those students, who have a CGPA of 7.5 or above, without any backlog, will be permitted to register for a Research degree.
- (g) SGPA or CGPA in excess of 7.5 has to be maintained in the subsequent semesters in B.Tech. as well as Honors degree without any backlogs in order to keep the Honors degree registration active.
- (h) If a student failed in any registered course of the Research, he/she shall not be eligible to continue the B. Tech Research. However, the additional credits and grades thus far earned by the student shall be included in the grade card but shall not be considered to calculate the CGPA.

- (i) Separate SGPA/CGPA shall be shown on semester and final transcripts of B. Tech. Research.
- (j) The students shall complete Research degree without supplementary appearance within stipulated period as notified by the University for the completion of B. Tech. programme.
- (k) Research degree shall not be awarded at any circumstances without completing the B. Tech. programme in which a student got admitted.
- (l) If a student is detained due to lack of attendance, he/she shall not be permitted to register the courses for Research degree.
- (m) The subjects completed under Research degree programme shall not be considered as equivalent subjects in case the student fails to complete the B.Tech. degree programme.
- (n) For applicability of Research degree, B. Tech. Research degree courses shall be successfully completed with specified SGPA/GCPA.

5.0 ENROLLMENT IN THE UNIVERSITY

Every student admitted to the programme shall be enrolled before appearing in the first semester examination through the procedure prescribed by the competent authority from time to time.

6.0 TYPES OF COURSES

Basic Science, Humanities, Engineering Science, Mandatory Courses, Professional Core, Open Elective, Professional Elective, Research Elective etc. as per the guidelines issued by AICTE / University where ever applicable and as approved by the appropriate bodies of the University.

7.0 ATTENDANCE AND ELIGIBILITY TO APPEAR IN THE EXAMINATION

A Student shall be required to attend at least 75% of the classes actually held in the semester which may include theory class, seminars, practicals, projects, as may be prescribed. Provided that the Dean of the School of Engineering and Technology on the recommendations of the concerned Head of the Department may condone the shortage in attendance of those students who have secured at least 65% attendance. This condonation should not exceed 10% on the following satisfactory grounds;

- (a) Illness / Medical leave of the student certified by the University Medical Officer / Government Doctor.
- (b) Unforeseen mis happening with parents.
- (c) For participating in the extra and co-curricular events with prior approval from the university authority.

- (d) For participating in the sports activity with prior approval from the university authority.
- (e) For attending interviews with valid proof and prior permission of the concerned head of department.
- (f) Natural calamities.

The application must be supported by such documents as considered to be fit for granting such condonation.

7.1. A student who does not satisfy the requirement of attendance as per clause above, he/she will be detained due to shortage of attendance in a particular semester and he/she will have to repeat the same semester taking re-admission as a student in the next commencing academic session by paying fee as per the University norms.

8.0 EXTRA ORDINARY LONG ABSENCE

If a student does not participate in the academic activities of the School of Studies of Engineering and Technology of this Vishwavidyalaya for a period exceeding two years for reasons of ill health or medical grounds only, he / she shall neither be permitted to appear in any subsequent examinations nor shall be admitted or promoted to any semester and he / she shall cease to be a student of B. Tech. Degree Course. Here participation in academic activity means attending Lectures, Tutorials, Practicals and such other activities declared as academic activities.

9.0 MEDIUM OF INSTRUCTION/EXAMINATION

Medium of instruction and examination shall be in English only.

10.0 EXAMINATION AND EVALUATION

- 10.1 **Practical Work** – The student shall be required to complete the Laboratory / Drawing / Design / Job preparation and other academic work assigned for that semester in the session.
- 10.2 There shall be a Semester End Assessment (SEA) at the end of each semester consisting of theory papers and practicals.
- 10.3 There shall be one SEA at the end of each semester conducted by Guru Ghasidas Vishwavidyalaya. Only those students, who will satisfy the attendance requirement to be eligible to appear at the SEA as per clause 7.0, will be permitted to appear in the SEA. The examination will consist of theory papers, laboratory practical and viva-voce as per the scheme of examination of that semester. These examinations shall be designated as follows.

- (a) During First year - I & II sem. B. Tech. Examination
- (b) During Second year - III & IV sem. B. Tech Examination
- (c) During Third year - V & VI sem. B.Tech./B.Tech. Honors/ B.Tech. Research Examination
- (d) During Fourth year - VII & VIII sem. B.Tech./B.Tech. Honors/ B.Tech. Research Examination

10.4 The SEA will normally be held in the month of November-December and April – May in every academic session, or as decided by the University from time to time.

10.5 Supplementary examination will be held only once in a year (for both even and odd semesters) normally in the month of June/July or as decided by the University from time to time.

10.6 SEA time table shall be declared by the Controller of Examination before the commencement of examination.

10.7 Basis of Subjects Evaluation

10.7.1 For passing in a subject (theory / practical) the performance of the candidate in each semester shall be evaluated subject wise. There shall be continuous assessment throughout the semester by conducting class tests / assignments/quiz test/ attendance, called as Continuous Internal Assessment (CIA) carrying 40% weightage, and end semester examination called Semester End Assessment (SEA) carrying 60% weightage. A student has to secure minimum 35% in the particular theory subject and minimum 40% marks in a particular practical subject to pass that subject in the SEA. For each practical subject 50% weightage will be given to the actual practicals performed during the semester CIA and 50% weightage will be given to the end semester examination.

10.7.2 For evaluation of SEA practical examination of a subject, there shall be two examiners, one internal examiner who has conducted the practical in that semester and other external examiner to be appointed by the Head of the Department from the faculty amongst faculty members of the school /department concerned.

10.7.3 To allot the marks of CIA, there shall be two Class Tests (CT) I & II each of 15 marks, 05 marks for assignments, surprise test, quiz test etc. and 05 marks for attendance. The distribution of marks for attendance is as below.

Percentage of attendance	> 75 - ≤ 80	>80- ≤ 85	>85- ≤ 90	>90- ≤ 95	>95- ≤ 100
Marks	1	2	3	4	5

10.7.4 If a student fails to appear in the CIA of a semester due to unforeseen incident, a makeup test/examination may be conducted, if required, strictly on the recommendation of the concerned Head of the Department, and approval of the Dean (Engineering and Technology).

10.7.5 For passing a subject the student is required to fulfill the following conditions:

- (a) Must have secured minimum 40% marks (CIA+SEA) for each theory /practical subject.
- (b) Must have scored minimum SGPA of 5.0 in the semester. If a student has cleared all the Theory and Practical subjects of one or and both semesters of a year, but has failed to secure SGPA of 5.0 in the semester or and semesters of a year then he/she will be allowed to re-appear in the supplementary examination in those subjects in which the student's Grade Points less than 5. If the student fails to secure SGPA of 5.0 even in the supplementary examination, he/she will not be promoted to the odd semester of the next higher year, and such student shall be treated as an ex-student. Other condition of promotion of the ex-student will be applicable as per Clause 11.
- (c) If a student has passed a semester examination in all the subjects as per above clauses, he/she shall not be permitted to reappear in that examination for improvement in grades/division.

10.7.6 Basis of Credits-Credits of a theory or practical subject is decided by:

$$\text{Credits} = (L + T + P/2),$$

Where; L = Lecture periods per week,

T = Tutorial period per week,

P = Practical periods per week.

Credits in a subject will be an integer, not in a fractional number. If a credits in a subject turns out in fraction, it will be taken as next integer number.

10.7.7 For Projects/Practical Subjects- Evaluation of project/practical during the semester will carry 60% weightage for CIA and the SEA will carry 40% weightage. The internal assessment will carry equal weightage of attendance (20% weightage), practical records (20% weightage) and internal viva – voice examination (20% weightage). The marks for attendance shall be awarded in project/practical subject as per the following Table.

Percentage of attendance	65 - ≤ 75	> 75 - ≤ 80	>80- ≤ 85	>85- ≤ 90	>90- ≤ 95	>95- ≤ 100
Percent weightage of Marks	10	12	14	16	18	20

10.7.8 Grading System- Percentage as well as absolute grading system will be followed, in every subject, theory or practical. A student will be awarded a **Letter Grade**, based on his combined performance of CIA and SEA. These grades will be described by letters indicating a qualitative assessment of the student's performance through a number equivalent called "Grade Point" (GP) as given below. The following is the **Grade Point** pattern. Grade 'F' indicates not clearing (passing) of the subject.

Letter Grade (LG)	O	A+	A	B+	B	C	P	F	Ab
Grade Point	10	9	8	7	6	5	4	0	0

The Letter Grades are O (Outstanding), A+ (Excellent), A (Very Good), B+ (Good), B (Above Average), C (Average), P (Pass), F(Fail) and Ab (Absent in end semester examination). Grades will be awarded for every theory and practical/ subject separately.

10.7.9 Absolute Grading System

(a) The Absolute Grading System as explained below will be adopted for theory and project/practical subjects.

GRADE	PERCENTAGE OF MARKS OBTAINED IN THEORY/ PRACTICAL /PROJECT
O (Outstanding)	>90- ≤100
A ⁺ (Excellent)	>80 - ≤ 90
A (Very Good)	>70 - ≤ 80
B ⁺ (Good)	>60 - ≤ 70
B (Above Average)	>50- ≤ 60
C (Average)	>40- ≤ 50
P (Pass)	=40
F (Fail)	00 - <40

(b) 01 Grace Mark shall be given only once at the time of award of the degree to improve the Grade in overall result.

10.7.10 Semester Grade Point Average (SGPA)- Performance of a student in i^{th} semester is expressed by $[SGPA]_i$ which is a weighted average of course grade points obtained by a student in the semester, and is expressed by

$$[SGPA]_i = \frac{[C_1G_1 + C_2G_2 + \dots]_i}{[C_1 + C_2 + \dots]_i} = \frac{[\sum C_j G_j]_i}{[\sum C_j]_i} = \frac{N_i}{D_i}$$

Where C_j stands for Credits and G_j stands for Grade points corresponding to j^{th} subject in a semester. SGPA will be calculated up to two places of decimal with rounding off. SGPA will be calculated only when a student clears a semester without failing in any subject, theory or practical /project.

10.7.11 Cumulative Grade Point Average (CGPA)- This is a weighted average of course grade points obtained by a student for all the courses taken, since his / her admission. Thus, CGPA in the i^{th} semester with " $i \geq 2$ " will be calculated as follows:

$$[CGPA]_i = \frac{\sum_{k=1}^{k=i} N_k}{\sum_{k=1}^{k=i} D_k}$$

Where N_k stands for sum of Credits and Grade points of semester, D_k stands for sum of Credits points of semester. CGPAs will be calculated up to two places of decimal with rounding off. CGPA will be calculated only when a student clears a semester without failing in any subject, theory or practical /project.

If a student repeats a course or is declared fail in a subject, then only the grade points earned in the attempt when he / she cleared the course (subject) are counted towards CGPA. CGPA will be calculated in every semester along with SGPA, so that a student knows his / her latest CGPA.

11 PROMOTION TO NEXT YEAR AND SEMESTER

11.1 Those students who have cleared all the registered theory, practical subjects prescribed for the B.Tech. first year shall be promoted to the B.Tech. second year. Those students who have cleared all the registered theory, practical subjects prescribed for the B.Tech. second year shall be promoted to the B.Tech. third year. Those students who have cleared all the

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registered theory, practical subjects prescribed for the B.Tech. third year shall be promoted to the B.Tech. fourth year.

- 11.2 Those students who would have backlogs in registered theory and/or practical subjects in the odd and/or even semesters of any academic year will be allowed to appear in the supplementary examinations of the same year.
- 11.3 Those B.Tech. students who are allowed to appear the supplementary examination (of odd or even or both semester), may be allowed to attend the classes provisionally of the next higher odd semester of the next year. However, such provisionally permitted students will get their regular admission only after passing in all their backlog papers in supplementary examination, if eligible otherwise. The percentage of attendance of such students shall be counted from the date of commencement of the semester classes.
- 11.4 If a student fails to clear in the supplementary examination all the backlogs of theory, practical subjects of the odd and even semesters, he/she will not be promoted to the odd semester of the next higher year, and such student shall be treated as ex-student.
- 11.5 Ex-students, shall be required to clear their backlog papers (theory and or practical subjects), in the end semester examination of the corresponding semesters (odd and even) and supplementary examination to be conducted next year (in the following academic session). Such ex-students will be required to deposit the examination fees only.
- 11.6 The ex-students (including the detained students due to shortage of attendance) have to take the re-admission along with the regular students after clearing their backlogs and shall follow the current academic curriculum and regulations.
- 11.7 If any deviation/changes in ex-students curriculum (curriculum at the time of admission), the committee constituted by the department shall decide to regularize their courses in align with the current academic curriculum with the regular students.

12 AWARD OF CLASS OR DIVISION

12.1 The class/division awarded to a student with B. Tech. Degree shall be determined by the student's CGPA after clearing all the subjects of all the eight semesters, as given below:

- First Division with Distinction : $7.5 \leq \text{CGPA} \leq 10.0$
- First Division : $6.5 \leq \text{CGPA} < 7.5$
- Second Division : $5.0 \leq \text{CGPA} < 6.5$

12.2 Division shall be awarded to a student only after clearing all the semesters as follows;

- (a) The total number of credits to be earned by students admitted to the first semester of 04 years B.Tech., the program shall be minimum 160.
- (b) The total number of credits to be earned by students admitted to the third semester of 04 years B.Tech., program under lateral entry scheme shall be minimum 120.
- (c) The students admitted through entry exit system in B.Tech. third semester / fifth semester / seventh semester has to earn minimum 160 credits including the credits deposited in his / her account in the Academic Bank of Credits (ABC).
- (d) A student shall be eligible to obtain an undergraduate B.Tech. degree with Honors if he/she earns minimum additional 20 credits from Massive Open online Courses (MOOCS) through National Programme on Technology Enhanced Learning (NPTEL) under Study Webs of Active –Learning for Young Aspiring Minds (SWAYAM) or as specified by the UGC/AICTE/ University norms from time to time regarding the earning of additional credits.
- (e) A student shall be eligible to obtain an undergraduate B.Tech. degree with Research if he/she earns minimum additional 20 credits from the subjects listed in the M.Tech. & Ph.D. scheme or as decided by the concern department.
- (f) The allotment of seat into Honors/Research based on the percentage of marks obtained in the major degree program. Percentage of marks shall be taken up to 3rd year in case of both regular entry students and lateral entry students. Only those students who have a CGPA of 7.5 or above at the end of 3rd year without any backlog will be permitted to register for Honors/Research.
- 12.3 No student shall be declared to have passed the final B.Tech. course unless he/she has fully passed all the semesters. The results of the 8th semester of those students, who have not passed examination in any previous semester, will be withheld. Such students shall be deemed to have passed the final B.Tech. examination in the year in which they pass / clear all the subjects of all the semesters, within the limit of the prescribed period of the whole course.
- 12.4 Undergraduate Certificate shall be awarded to those students who successfully complete the first year (first two semesters) of the undergraduate B.Tech. programme with minimum 40 credits followed by an additional 10-credits bridge course(s) for two months, including at least 6-credits job-specific internship/apprenticeship.
- 12.5 Undergraduate Diploma shall be awarded to those students who successfully complete the first two years (first four semesters) of the undergraduate B.Tech. programme of minimum

80 credits followed by an additional 10-credits bridge course(s) for two months, including at least 6-credits job-specific internship/apprenticeship.

12.6 Undergraduate Vocational Degree shall be awarded to those students who successfully complete the first three years (first six semesters) of the undergraduate B.Tech. programme of minimum 120 credits followed by an additional 10-credits bridge course(s) for two months, including at least 6-credits job-specific internship/apprenticeship.

13 TRANSCRIPT

Based on the Letter grades, Grade points and SGPA and CGPA, the Vishwavidyalaya shall issue the transcript for each semester and a consolidated transcript indicating the performance in all semesters.

14 CONVERSION OF CGPA / SGPA IN PERCENTAGE

There is no equivalence between the CGPA/SGPA scale and percentage. However notionally SGPA and CGPA to Percentage is as follows,

$$\text{Percentage of particular semester} = (\text{SGPA}) \times 10$$

$$\text{Percentage of B.Tech. Degree} = (\text{CGPA}) \times 10$$

15 RANKING

Only such candidates who complete successfully all courses in the programme in single attempt shall be considered for declaration of ranks, medals etc. declared and notified by the university, if any.

16 DISCIPLINE

- Every student is required to observe discipline and decorous behavior both inside and outside the campus and not to indulge in any activity which will tend to bring down the prestige of the Institute.
- Any act of indiscipline of a student reported to the concerned Head / Dean (Engineering and Technology), will be investigated and necessary action will be taken as per university rules from time to time.
- Ragging in any form and of any dimension is a criminal and non-bailable offence in our country. The current State and Central legislations provide for stringent punishment, including imprisonment. Once the involvement of a student is established in ragging, the offending student will be dismissed from the University and will not be admitted into any other Institution. Avenues also exist for collective punishment, if individuals cannot be identified in this inhuman

act. Every senior student, along with the parent, shall give an undertaking every year in this regard and this should be submitted at the time of admission / registration.

17 REGISTRATION REQUIREMENTS

- Every student is required to be present and register at the commencement of each semester on the day(s) fixed for and notified in the Academic Calendar from time to time.
- Late registration will be permitted with a fine as decided from time to time up to three weeks from the date of commencement of each semester as notified in the Academic Calendar from time to time. If the student does not register in the specified time, he / she has to be registered in the next year in the same semester.
- Percentage attendance for all students will be counted from the date of commencement of the semester, irrespective of his/her date of registration. However, in case of first year first semester, attendance will be counted from date of admission into the school or date of commencement of class work, whichever is later.
- Minimum two weeks of Industrial training/Internship during summer break is compulsory after the end semester examination of 2nd semester; three weeks of Industrial training/Internship during summer break is compulsory after the end semester examination of 4th semester; and four weeks of Industrial training/Internship during summer break is compulsory after the end semester examination of 6th semester. The student has to submit the industrial training /Internship report to the concerned department at the time of registration in the next odd semester of the higher academic year and required to defend his/her industrial training/Internship during odd semester of next higher year.
- During the 8th semester, all the students are required to complete internship and project work. The project work may be carried out either from the department or from the industry. The student has to submit the Internship report and Project report to the concerned department before the last working day of 8th semester as mentioned in the academic calendar and required to defend his/her internship and project work at the end of the 8th semester.
- The curriculum for any semester, except for the final semester will normally carry credits between 20 to 32.
- A student who has successfully secured CGPA equal and more than 7.5 in his/her 1st year courses, can be registered for courses in other departments of the university for his/her higher semesters of study. The registration in such courses will be done after recommendation of Head of the Department and approval of the Dean, Engineering and Technology followed by the same

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of the Head of the Department concerned of the course offered in. The student has to attend the classes of the courses in addition to the fulfilling the requirements of registered regular subjects in his/her department prescribed by the Head of Department.

18 TRANSFER OF CREDITS

With due approval the courses studied through on-line / off-line like Massive Open Online Courses (MOOCS) through National Programme on Technology Enhanced Learning (NPTEL) under Study Webs of Active –Learning for Young Aspiring Minds (SWAYAM) in Indian/ Foreign University/Institutions by the students during their study period at GGV Bilaspur (C.G.) may count towards the credits requirements for the award of B.Tech. degree. The credits transferred will reduce the number of courses to be registered by the student at GGV. The guidelines for such transfer of credits are as follows.

- On successful completion of the courses opted by students under SWAYAM, the credits earned by them shall be included in their Grade card.
- Credits transferred will not be used for SGPA/CGPA computations except SWAYAM. However, credits transferred will be considered for overall credits requirements of the programme.
- Students can earn credits only from other department of the University (GGV) / IISC/IITs/NITs/Central Universities and other Indian and Foreign Institutions/Universities with which GGV has an MOU (and that MOU must have specific clauses for provisions of credits transfer by students).
- Credits transfer can only be considered for the courses at same level (i.e., UG, PG, etc.).
- The credits / grades indicated in the grade sheet obtained from the university in which the student has completed the courses should be used by the student as part of his/her transcripts.


19 INTERPRETATION OF REGULATION


In case of any dispute in the matter of interpretation of this Ordinance, the decision of the Vice-Chancellor of the University shall be final and binding on the students.

20 POWER TO MODIFY


Notwithstanding all that has been stated above, the Academic Council of the University has the right to propose any modifications or amendments to the Executive Council for final decision of the above regulations and further actions from time to time.

21 Matters not covered in this Ordinance shall be governed by the relevant ordinance of the University.



(M.K. Singh)



(G.C. Srivastava)


(Manish Sharma)


(A.K. Kushwaha)


(Dr. R.K. Prasad)


(Dr. S.V. Arora)


(Soma Dm)


(Dr. Rajesh Mahesh)


(M.C. Raw)


(Dr. A.K. Prasad)

ORDINANCE No. 97

04 Years UG programme with Multiple Entry-Exit Options

Under National Education Policy 2020

(as per the Curriculum and Credit framework for Undergraduate Programmes by UGC, New Delhi)

(Ordinance prepared as per the provisions given in Statute 28(1) (b) of The Central Universities Act, 2009)

1. TITLE AND COMMENCEMENT:

- 1.1. The Ordinance shall be called as Ordinance governing the award of 04 Years UG programme with Multiple Entry-Exit Options.
- 1.2. This ordinance will come into force from the Academic Session 2023-24 and shall replace the existing ordinance.
- 1.3. The ordinance shall govern the 04 years undergraduate programmes offered by School of Physical Science, Life Sciences, Natural Science, Interdisciplinary Science, Social Science, Arts, Management and Commerce, Mathematical and Computational Science barring the programmes recognized and regulated by any regulatory body.

2. DEFINITION & KEY WORDS:

- 2.1. “Vishwavidyalaya” or “University” means Guru Ghasidas Vishwavidyalaya (A Central University established by the Central Universities Act, 2009 No. 25 of 2009) located at Koni, Bilaspur, Chhattisgarh;
- 2.2. “Student” means one who has been admitted in the UG programme of this University through Common University Entrance Test (CUET) or by any other procedure notified by the University from time to time;
- 2.3. “Academic Year” means two consecutive (one odd and one even) semesters;
- 2.4. “Semester” means an academic session spread over 15-18 weeks of teaching work with minimum 90 teaching days. The odd semester may normally be scheduled from July to December and even semester from January to June.
- 2.5. “Summer term” means the period during the summer vacation between the even and odd semesters. The students especially those who wish to exit after the 2nd/4th semesters of study should carry out internship/apprenticeship/ work-based vocational education in summer term period.
- 2.6. “Course” means “papers” through different modes of delivery and is a component of a programme as detailed out in the respective program structure;
- 2.7. “Flexibility for courses” means courses across various branches of UG available for students to learn. A program that provides choice for students to select courses from the prescribed (Major, Minor, Multi-disciplinary, Ability enhancement, Skill enhancement,

Value added etc.) courses as per the guidelines issued by UGC/regulatory bodies where ever applicable and as approved by the appropriate bodies of the University;

- 2.8. “*Credit*” means a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of lecture/tutorial per week or two hours of seminar/internship/studio activity/practical/lab work/field work/community engagement/community service/project etc. per week. The number of credits for each course shall be defined in the respective examination scheme;
- 2.9. “*Credit Point*” means the product of grade point and number of credits for a course;
- 2.10. “*Grade Point*” means a numerical weight allotted to each letter grade on a 10 point scale or as prescribed by the UGC/University from time to time;
- 2.11. “*Letter Grade*” means an index of the performance of students in a course. Grades are denoted by letters O, A+, A, B+, B, C, P, F, and Ab;
- 2.12. “*Semester Grade Point Average (SGPA)*” means a measure of performance of a student in a semester of program. It is the ratio of total credit points (sum of product of number of credits with grade points in all courses of a semester) and the total credits of all courses during the semester. It shall be expressed up to two decimal places;
- 2.13. “*Cumulative Grade Point Average (CGPA)*” means a measure of cumulative performance of a student till a semester/ at the end of program. It is the ratio of total credit points (sum of product of number of credits in a semester with respective SGPA) and the total credits till that semester. It shall be expressed up to two decimal places;
- 2.14. “*Grade Card*” means a certificate based on the grades earned. Grade certificate shall be issued to all registered students after every semester. The grade certificate will contain the course details (code, title, number of credits, grade secured) along with SGPA of the semester and CGPA earned till that semester. The semester grade certificate shall also reflect the cumulative total of marks obtained by the student till that semesters out of maximum marks allocated for which the grades of the program were evaluated. However, the final result will be based on the grades/CGPA;
- 2.15. “*Transcript*” means a certificate issued to all enrolled students in a programme after successful completion of the programme. It contains the SGPA of all semesters and the CGPA;
- 2.16. “*Promotion*” means a student will be promoted to the next semester till final semester and will be allowed to pursue the courses of programme and he will be awarded certificate/diploma/degree/Hons/Hons with Research after clearing all the courses/internship (if any) of the programme within the maximum period of the programme.
- 2.17. “*Internship*” means that the student will gain the working experience in the actual work situation either in firms/industry/organization/individuals (Maestros) etc. or training in labs with faculty in their own or other HEIs/research institutions.
- 2.18. “*ABC Credit Transfer*” means transfer of credits earned by the student from other HEI or through MOOCs for such courses which were offered by the department in a semester of

the programme within 40% maximum limit for awarding a certificate/diploma/degree/Hons/Hons with Research either through ABC portal or any other mechanism notified by the University.

- 2.19. “Equivalence Committee” means a committee notified by the University to consider the equivalence of courses in case of a student entering in to the programme through lateral entry after exiting the same programme or other programme from other HEI.
- 2.20. Degree awarding for lateral entry students will be from that institute where students earned maximum credits in core courses.
- 2.21. Vocational courses shall be defined as courses from the pool of vocational courses notified by the University or chosen from the pool of such courses from the accredited vocational University / Institute or from MOOCs on SWAYAM platform or any such blended mode platform notified by the University.

3. Entry – Exit options and award of CERTIFICATE, DIPLOMA, DEGREE AND THEIR DURATION:

- 3.1. “UG (Honours)” program shall be of eight semesters (four academic years) and those students who secure 75 % marks and above in first six semesters in aggregate and are inclined towards research may opt “UG (Honours with research)”. The 4-year undergraduate programs have multiple entry-exit options and the re-entry may be allowed within a period of three years from the session in which student exits. However, the maximum stipulated period to complete the undergraduate program will be seven consecutive academic years. The student after successful completion of the eight semesters of the programme shall be awarded degree of UG (Honors) or UG (Honours with research) as the case may be. If a student is unable to clear all the semesters of the program within the maximum duration (as specified above), he/she will automatically exit from the program.
- 3.2. If a student wish to exit the “UG (Honours)” after completion of the (first/second) year(s) and secured (40/80) credits respectively and completed one vocational course/Internship of 4 credits during the summer vacation of first or second year will be awarded “UG Certificate/UG Diploma”.
- 3.3. If a student wish to exit after completion of three years and secures 120 credits and fulfils minimum credit requirements distributed over all type of courses will be awarded “UG in Major discipline”.
- 3.4. The maximum total duration shall include the period of absence, withdrawn and different kinds of leave permissible to a student but it shall exclude the period of rustication/suspension/or any other penalty period imposed by the University.

4. NUMBER OF SEATS

Number of seats in each program will be as approved and notified by the Academic Council of the University and as advertised for admission to the program.

5. ADMISSION PROCEDURE AND ELLIGIBILITY

- 5.1. Admission to the UG programme of this University will be through Common University Entrance Test (CUET) or by any other procedure notified by the University from time to time. The minimum qualification for admission to the specific programme will be as notified by the university from time to time.
- 5.2. Reservation and relaxation in minimum eligibility for admission for OBC/SC/ST/EWS/PwD (Person with Disability) and Kashmiri migrant candidates, as specified by Government of India/UGC and notified by the university shall be followed.
- 5.3. Either foreign nationals residing in India or abroad or Indian nationals residing abroad may be admitted to the programme according to the policy guidelines laid down by the Government of India/ University from time to time as per the number of seats available for this category. These seats will be supernumerary and shall be advertised separately in addition to the seats approved for each program.

6. ENROLMENT IN THE UNIVERSITY

Every student admitted to the programme shall be enrolled before appearing in the first semester examination through the procedure prescribed by the competent authority from time to time.

7. TYPES OF COURSES

The UG programme will consist of the following categories of the courses:

- (i) Major (core) : 80 credits;
- (ii) Minor : 32 credits
- (iii) Multidisciplinary : 09 credits
- (iv) Ability enhancement : 08 credits
- (v) Skills enhancement : 09 credits
- (vi) Value added courses (VAC) and internship (Int.) : 10 (if VAC of 6 credit then Int. will be of 4 credits; if VAC is of 8 credits then Int. will be of 2 credits)
- (vii) Research project/dissertation : 12 credits (for the UG (Honours with research)) or 12 credits (5 credit major + 5 credit minor + 2 seminar for UG (Honours))

The nature and number of courses mentioned above may be changed as per the university notification from time to time.

7.1. Major and minor courses:

Major discipline is the discipline or subject in which degree will be awarded. The major course will provide in-depth study of particular subject or discipline and will carry 50% of total credits required for awarding the degree.

Minor discipline helps a student to gain a broader understanding beyond the major discipline. The minor courses will be of 32 credits from two disciplines including 12 credits for vocational

courses to be chosen from the pool of vocational courses, which are to be studied compulsorily by a candidate as a core requirement.

7.1.1 A major course offered in a discipline/subject may be treated as a minor by other discipline/subject and vice versa.

7.1.2 The student may be allowed to change major within the broad discipline and may declare the choice of minor and vocational course at the end of first year/second semester. However, change of such major discipline is subject to the seat restrictions as notified by University and on the basis of CGPA merit of first two semesters.

7.2. **Multidisciplinary/AEC/SEC:**

Generally, three basic courses may be chosen each from a pool of courses offered by the University in different categories of multidisciplinary, AE, SE, VA courses.

7.2.1 **Multidisciplinary courses:** These courses may expand the horizon of intellectual experience of the students across different disciplines. A student has to opt three introductory level courses from the broad disciplines which were not taken by the student at the higher secondary level in the proposed major and minor stream courses. A student of 4-year UG (Honours) or 4-year UG (Honours with research) program may opt the multidisciplinary courses from the following broad disciplines:

- i. Natural & Physical Sciences:
- ii. Humanities and Social Sciences:
- iii. Commerce and Management:
- iv. Mathematical and Computational:
- v. Library, Information and Media Science:

Students will not be allowed to choose multidisciplinary courses as mentioned above from those broad disciplines, which they have studied at 10+2 level.

7.2.2 **Ability Enhancement Courses (AEC):** The student will opt the one AEC course of 2 credits in each semester from pool of University AEC courses in the first four consecutive semesters to achieve competency in Modern Indian Languages (MIL) and in English Language with emphasis on communication skill including writing skill, discussions, debate and other linguistic skills.

7.2.3 **Skills Enhancement Course (SEC):** These courses may be chosen from a pool of courses designed to provide practical skills, soft skills etc. to enhance the employability of students. The student will opt the one SEC course of each 3 credits in first three semesters of the program.

7.3 **Value added courses (VAC) common to all:**

7.3.1 The student will study the four value added courses which will be common to all students invariably. Each value added course will be of 2 credits and the student

will opt any two courses given below in first semester and then remaining in the second semester:

- (i) **Understanding India:** To inculcate the deeper understanding of modern India with historical perspective, Indian knowledge system, constitutional values, freedom struggle etc. to make the students a responsible democratic citizen.
- (ii) **Environmental education:** The student will learn knowledge, skill, attitude and values for conservation of environment for sustainable living.
- (iii) **Digital and technological solutions:** Students shall get the knowledge of front runner technologies such as artificial intelligence, machine learning, big-data analysis, 3-D machining, drone technologies and deep learning.
- (iv) **Health & Wellness/Yoga/Sports/Fitness:** The student will acquire physical, emotional, intellectual, social, spiritual quotient. The activities may be organized outside of the regular classes.

7.3.2 The students may get chance to opt other VA Courses as offered by the University time to time which may be relevant for any specific discipline or common to all.

7.4 Summer Internship/Apprenticeship:

Internship will be mandatory component of the course. The student may be inducted in actual work situation either in firm/industry/organization etc. or training in labs with faculty in their own or other HEIs/research institutions.

7.5 Research Project/Dissertation:

An elective course designed to acquire special/advanced knowledge, such as supplement study/support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher/faculty member is called dissertation/project. The student who is eligible and opted UG (Honours with research) will take up research project. The research outcomes will be published in peer-reviewed journal/patented/presented in conferences or seminars/defended in open seminar to secure 12 credits.

- 8. Level of courses:** There will be 5 level of courses on the basis of learning outcome and difficulty levels distributed across semesters in ascending order. Level-1 (0-99), Level-2 (100-199), Level-3 (200-299), Level-4 (300-399), Level-5 (400-499) courses shall be pre-requisite, introductory, intermediate, higher level, and advanced courses respectively.

9. Course Structure:

9.1 The Board of Studies of each department will decide the course structure and syllabus for a specific programme.

9.2 An undergraduate degree with Honours in a discipline such as UG (Honours with research) with single major will be awarded with the following course structure as per the UGC guidelines-

17 Major papers in the discipline: 2 (level-2); 5(level-3); 6(level-4); 4(level-5)

08 Minor papers: 2 (level-2); 2(level-3); 2(level-4); 2(level-5)

03 Multidisciplinary: 3 courses from broad disciplines

04 AEC courses; 03 SEC courses; 4 VAC courses; Internship and Research Project

9.3 The credit of the courses given in the following table:

Course	Credits distribution Theory + Practical/Tutorial (L+P+T or L+P or L+T)	
	UG (Honours with research)	UG (Honours)
I. Major Course* Theory (17/18 Papers) Practical / Tutorial (17/18 Papers) *The schemes of major courses and pedagogy can be decided by the respective Board of Studies subject to the total core credits remains same. The structure should be such that experiential learning should be enhanced maximum upto 50%, however, it is not mandatory.	Total 80	Total 85
II. Minor Courses (including 12 credits vocational)	32	37
III. Multidisciplinary courses	9	9
IV. Ability Enhancement Courses	8	8
V. Skill Enhancement Courses	9	9

VI. Value added courses	8	8
VII. Internship	2	2
VIII. Research Project/Seminar	Research Project/Dissertation of 12 Credits	Seminar 02 Credits
Total Credit	160	160

9.4 STRUCTURE OF COURSES

Semester	Courses	Number of courses	Level	Credits	Total Credits
I	Major	1	2	4	20
	Minor	1	2	4	
	Multidisciplinary	1	1	3	
	AEC	1	1	2	
	SEC	1	1	3	
	VAC	2	1	2 + 2	
II	Major	1	2	4	20
	Minor	1	2	4	
	Multidisciplinary	1	1	3	
	AEC	1	1	2	
	SEC	1	1	3	
	VAC	2	1	2 + 2	
The student must complete the 4 credit vocational course/Internship during summer term to get UG Certificate if he wish to exit the program after first 2 semesters.					
	Major	2	3	8	
	Minor	1	3	4	

III	Multidisciplinary	1	1	3	20
	AEC	1	1	2	
	SEC	1	1	3	
IV	Major	3	3	14	20
	Minor	1	3	4	
	AEC	1	1	2	
The student must complete the 4 credit vocational course/Internship either after first year or second year during summer term to get UG Diploma if he wish to exit the program after first 4 semesters.					
V	Major	3	4	15	21
	Minor	1	4	4	
	Internship	-	-	2	
VI	Major	3	4	15	19
	Minor	1	4	4	
The students wish to exit after six semester upon securing 120 credits will be awarded UG degree in relevant subject/discipline					
After sixth semester, there will be two steams :(I) UG (Honours with research) and (II) UG (Honours). The students who will secure 75% and above may opt for UG (Honours with research).					
(I) Course structure for UG (Honours with research)					
VII	Major	3	5	15	19
	Minor	1	5	4	
VIII	Major	1	5	5	21
	Minor	1	5	4	
	Research project/dissertation	-	-	12	

(II) Course structure for the UG (Honours)					
VII	Major	3	5	15	20
	Minor	1	5	4	
	Seminar	-	-	1	
VIII	Major	2	5	10	20
	Minor	2	5	8	
	Seminar	-	-	2	

10. ATTENDANCE AND ELIGIBILITY TO APPEAR IN THE EXAMINATION

A student must have a minimum attendance of 75% of the total number of classes held during the semester including lectures, practicals /tutorials etc., for appearing in the end semester examination. However, Students having attendance more than or equal to 65% and less than 75% shall apply for condonation to the respective Dean of school through the Head of Department. The Dean of School may condone aforesaid shortage in attendance after due consideration of one or more of the following reasons:

- Participation in NCC/NSS Camps, duly supported by a certificate from the Commanding Officer;
- Participation in University Team(s)/Games or Inter-state or Inter-University tournament(s) duly supported by a certificate from appropriate authority of the University;
- Participation in educational excursion conducted on working days certified by the Dean or Head of the department. These excursions shall not include those organized for the class as a whole;
- Participation in any of co-curricular activities organized by the Institute/Department/School, duly certified by competent authority;
- Prolonged illness duly certified by the Registered Medical Practitioner;
- Any other cogent reason up to the satisfaction of the Head of Department/ Dean.

The application must be supported by such documents as considered to be fit for granting such condonation.

11. MEDIUM OF INSTRUCTION

The medium of instructions in general shall be English or Hindi except for language courses. However, University may notify the medium of instruction for a specific programme, and in such cases the medium of instruction shall be as notified by the university. Regardless of the medium of instructions for a programme students will be allowed to answer the semester/internal examinations in Hindi.

12. EXAMINATION AND EVALUATION

- 12.1. The academic performance of a candidate shall be evaluated in respect of the courses of study prescribed for each semester through the evaluation. The evaluation of students admitted in any of these programmes shall decide the grade and shall be based on
 - (a) End Semester Examinations (summative assessment), and (b) Continuous Internal Assessment (Formative assessment).
- 12.2. Out of the total marks, 70% shall be allotted for the end semester examinations and 30% shall be allotted to continuous internal assessments during the semester. The scheme of internal assessment shall be as notified from time to time by the university in the academic calendar.
- 12.3. The end semester examinations will be held on such dates as may be notified by the appropriate authority of the University.
- 12.4. The minimum percentage of marks to pass the courses in each semester shall be 40% in each paper (course) comprising internal assessment and end semester examination.
- 12.5. All programmes shall have a specified number of credits in each semester. The number of credits along with grade points that the student has satisfactorily cleared shall measure the performance of the student. Satisfactory progress of a student is subject to his/ her maintaining a minimum Cumulative Grade Point Average (CGPA), as well as minimum grades in different courses of the programme as given in table-1 which a student if obtains as mentioned above in 9.4 is eligible for the award of appropriate Certificate/Diploma/Degree as the case may be.

Calculation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

- i. The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e

$$\text{SGPA (S}_i\text{)} = \Sigma(\text{C}_i \times \text{G}_i) / \Sigma \text{C}_i$$

where, C_i is the number of credits of the i th course and G_i is the grade point scored by the student in the i th course.

- ii. The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme, i.e.

$$\text{CGPA} = \Sigma(\text{C}_i \times \text{S}_i) / \Sigma \text{C}_i$$

where, S_i is the SGPA of the i th semester and C_i is the total number of credits in that semester.

- iii. The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

Grading System: The grading system, as detailed here under in Table 1 shall be applicable for each course:

Table - 1: Award of Grades Based on Absolute Marks on a 10 point scale

Range of % of marks	Grade points	Letter Grade	GRADE
$> 90 \leq 100$	10	O	Outstanding
$>80- \leq 90$	9	A+	Excellent
$>70- \leq 80$	8	A	Very Good
$>60- \leq 70$	7	B+	Good
$>50- \leq 60$	6	B	Above Average
$>40- \leq 50$	5	C	Average
$= 40$	4	P	Pass
$0- <40$	0	F	Fail
Absent	0	Ab	Fail

Description

- (i) Letter grades **O**, **A+**, **A**, **B+**, **B**, **C**, and **P** in a course mean that the student has passed that course.
- (ii) The grade **F** and **Ab** denote **FAIL**; a student fails in the course due to poor performance or non-appearance/incomplete appearance in the examination of the course. A student has to appear at subsequent examination(s), if provided under the ordinances in all such courses, until a passing grade is obtained.

Declaration of Semester Examination Results

Semester examination results will have in the followings categories:

- (i) **Pass:** those students who have passed in all courses of the semester examination.
- (ii) **Promoted:** Any student admitted in a programme having duly filled in examination

form forwarded by the HoD concerned shall be promoted in the next semester, subject to the eligibility for appearing in the end semester examination.

Backlog: In any semester a student can opt maximum 40 credits to appear in the end semester examination including those of current semester as well as of previous semesters backlog. The backlog of even semester courses will be cleared with even semester examinations and odd semester courses will be cleared with odd semester examinations. Accordingly, the backlog credits will be opted. The maximum duration in which a student can clear the backlog is the maximum duration of that programme as notified by the University from time to time.

- (iii) **Withheld:** those who have cleared all courses in the last semester, but not cleared the backlog courses of the program, the result of the last semester will be *Withheld* till clearing of all backlog courses subject to not crossing maximum duration of the program as defined in the ordinance.
- (iv) **Fail:** The student fails to clear all courses in last semester will be categorized as *Fail*. He/she will be given ATKT chance after declaration of last semester result subject to not crossing maximum duration of the program as defined in the ordinance.

13. DECLARATION OF DIVISION:

A student who has passed in all the courses of all Semesters and obtained at least CGPA of 4.00 with fulfilling other requirement mentioned in the ordinance shall be declared as '**Passed**'. The division will be awarded after successful completion of second, fourth, sixth, and eight semester as the case may be for awarding of certificate, diploma, degree, degree (honours) or degree (honours with research) according to the following criteria:

- (i) First Division with distinction : CGPA ≥ 7.50
- (ii) First Division : CGPA ≥ 6.00 , but < 7.50
- (iii) Second Division : CGPA ≥ 4.00 , but < 6.00

14. TRANSCRIPT:

Based on the above Letter grades, grade points and SGPA and CGPA, the Vishwavidyalaya shall issue the transcript indicating the performance in all semesters after successful completion of second, fourth, sixth, and eight semester as the case may be for awarding of certificate, diploma, degree, degree (honours) or degree (honours with research).

15. CONVERSION TO PERCENTAGE:

The conversion formula for converting CGPA to the corresponding Percentage (P) of Marks will be as follows:

$$P = 10 \times \text{CGPA}$$

16. RANKING

Ranking of top 10 candidates in each program will be declared by the university on the basis of their percentage of marks. Only such candidates who complete successfully all courses of the programme in single attempt without using entry-exit option in the program shall be considered for declaration of ranks, medals etc.

17. Re-admission:

- 1.1 A student of First Year (Semester I/II) of a programme (enrolled in the University) found not eligible to appear in the End-Semester Examination of Odd or Even Semester of the programme due to shortage of attendance *less than 75%* shall be permitted to take re-admission to the First Semester of the same programme in the following academic year.
- 17.2 Students of III Semester onwards, disallowed to appear in the End- Semester Examination due to shortage of attendance (< 75%) shall be permitted to take re-admission in the following academic year in the same semester.

18. Interpretation of Ordinance

In any matter of interpretation of the provisions of this ordinance, the matter shall be referred to Vice-Chancellor who is the chairman of Academic Council and his/her decision shall be final.

19. POWER TO REMOVE DIFFICULTIES

If any question arises related to the matters not covered in these provisions, the relevant provisions made in appropriate Act/Statute/Ordinance/Regulations/Rules/Notifications issued by the university, will prevail.

ORDINANCE No. -.....95

for

Bachelor of Technology (B.Tech.)

Under National Education Policy-2020

Governing the award for the Degree of Bachelor of Technology (B.Tech.) Honors/Research with Multiple Entry and Exit Options

(Ordinance prepared as per the provisions given in Statute 28(1) (b) of
The Central Universities Act, 2009)

1.0 TITLE AND COMMENCEMENT

- 1.1 The Ordinance shall be called as Ordinance for B.Tech. Degree programme with Honors/Research with multiple entry and exit options.
- 1.2 The one-year (two semester + 10 credits of NSQF complaint skill based courses lasting two month, including at least 6 credits job specific internship/ apprenticeship) undergraduate certificate course, two years (four semester + 10 credits of NSQF complaint skill based courses lasting two month, including at least 6 credits job specific internship/ apprenticeship) undergraduate diploma course, three years (six semester + 10 credits of NSQF complaint skill based courses lasting two month, including at least 6 credits job specific internship/ apprenticeship) bachelor of vocational education and four years (Eight Semester) B.Tech. Degree/Honors/Research, shall be designated as 'Bachelor of Technology /Bachelor of Technology Honors/Bachelor of Technology Research' in respective Branches. The performance evaluations of these programmes are on the basis of credits system as well as percentage of marks earned.
- 1.3 This ordinance will come into force from the academic session commencing after the date of notification issued by the University.

2.0 DEFINITION & KEY WORDS

- 2.1 "Vishwavidyalaya" or "University" means Guru Ghasidas Vishwavidyalaya (A Central University established by the Central Universities Act, 2009 No. 25 of 2009) located at Koni, Bilaspur, Chhattisgarh.
- 2.2 "Student" means one who has been admitted in the four years B.Tech. programme of this University through merit list of Joint Entrance Examination (JEE) (main) or any other

procedure decided by Guru Ghasidas Vishwavidyalaya for Admission to B. Tech. degree course time to time.

- 2.3** The candidate shall be eligible for admission on the basis of the “*Academic Year*” means two consecutive (one odd and one even) semesters.
- 2.4** “*Choice Based Credits System (CBCS)*” means a program that provides choice for students to select from the prescribed courses (Basic Science, Humanities, Engineering Science, Mandatory Courses, Professional Core, Professional Elective, Open Elective, etc.) as per the guidelines issued by UGC / AICTE / regulatory bodies where ever applicable and as approved by the appropriate bodies of the University.
- 2.5** “*Course*” means “papers” through different modes of delivery and is a component of a programme as detailed out in the respective program structure.
- 2.6** “*Credits Point*” means the product of grade point and number of credits for a course.
- 2.7** “*Credits*” means a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture, seminar or tutorial) per week or two hours of practical work/field work/project etc. per week. The number of credits for each course shall be defined in the respective examination scheme.
- 2.8** “*Cumulative Grade Point Average (CGPA)*” means a measure of overall cumulative performance of a student in all semesters. The CGPA is the ratio of total credits points secured by a student in various courses registered up to the semester concerned and the sum of the total credit points of all the registered courses in those semesters concerned. It is expressed up to two decimal places.
- 2.9** “*Grade Point*” means a numerical weight allotted to each letter grade on a 10-point scale or as prescribed by the AICTE/ University from time to time.
- 2.10** “*Letter Grade*” means an index of the performance of students in a course. Grades are denoted by letters O, A+, A, B+, B, C, P, and F.
- 2.11** “*Semester Grade Point Average (SGPA)*” means a measure of performance of a student in a particular semester. It is the ratio of total credits points secured by a student in various courses registered in a semester and the total credits of all courses in that semester. It shall be expressed up to two decimal places.

- 2.12 "*Semester*" means an academic session spread over 14-20 weeks of teaching work. The odd semester may normally be scheduled from July to December and even semester from January to June.
- 2.13 "*Grade Card*" means a certificate based on the grades earned. Grade card shall be issued to all the students registered for the examination after every semester. The grade card will contain the course details (code, title, number of credits, grade secured) along with SGPA of the semester and CGPA earned till that semester. The final semester grade card shall also reflect the cumulative total of marks obtained by the student in all semesters out of maximum marks allocated for which the grades of the program were evaluated. However, the final result will be based on the grades/CGPA.
- 2.14 "*Transcript*" means a certificate issued to all enrolled students in a program after successful completion of the program. It contains the SGPA of all semesters and the CGPA.
- 2.15 "*NEP*" means National Education Policy-2020.
- 2.16 "*NSQF*" means national skills qualifications framework defined in NEP-2020.
- 2.17 "*NHEQF*" national higher education qualification framework defined in NEP-2020.
- 2.18 "*UCF*" means unified credits level defined in NEP-2020.
- 2.19 "*Undergraduate certificate course*" means students who completed the requirement of NHEQF level 5/ UCF level 4.5.
- 2.20 "*Undergraduate diploma course*" means students who completed the requirement of NHEQF level 6 / UCF level 5.
- 2.21 "*Bachelor of vocational education*" means students who completed the requirement of NHEQF level 7 / UCF level 5.5.
- 2.22 "*Bachelor of technology (B.Tech.)*" means students who completed the requirement of NHEQF level 8 / UCF level 6.
- 2.23 "*Course Registration*" refers to the formal registration to courses of study in every semester by every student under the supervision of a faculty advisor (also called mentor, counsellor, class teacher, etc.), in the institution to maintain the proper record. registration to the University portal is mandatory.

- 2.24** “*Course Evaluation*” represents the measurement of the impact of the teaching-learning process and offers an opportunity for improving the quality of learning in courses and teaching performance. Courses evaluation is done by adopting different methods such as tests, quizzes, assignments, etc., during the teaching-learning period at the end of some modules or chapters of syllabus contents and at the end of the semester. While the former part of the evaluation is called the continuous internal assessment (CIA) and the later part of the evaluation is called semester end assessment (SEA).
- 2.25** “*CIA also known as formative assessment*” refers to the evaluation of students’ performance in the course during the teaching-learning process. CIA shall be done by the faculty teaching course and evaluation components may include tests, assignments, group discussion, quizzes, course-specific projects, seminars and attendance etc., conducted during the semester with a weightage for different activities as specified by the School / University.
- 2.26** “*SEA also called summative assessment*” refers to the examinations conducted by the University covering the entire course syllabus. For this purpose, Syllabi shall be modularized, and SEA questions shall be set from each module as specified by the School /University.
- 2.27** “*Academic bank of credits (ABC)*” refers to the ABC, is a national-level facility which will promote the flexibility of the curriculum framework and interdisciplinary/multidisciplinary academic mobility of students across the higher education institutions (HEIs) in the country with appropriate “credits transfer” mechanism.
- 2.28** “*Multiple Entry and Exit*” means the multiple entries and exit points in the academic programs offered at HEIs would remove rigid boundaries and create new possibilities for students. There are occasions when learners have to give up their education mid-way for various reasons. To facilitate flexible learning within the stipulated period (08 years for regular students and 06 years for lateral entry students), multiple exit and entry options are given to the needy students. The student can exit from the program only at the end of the even semester/s (2nd, 4th, and 6th semester) and the entry option is provided to the students at the beginning of the odd semester/s (3rd, 5th and 7th semester).

3.0 DURATION

The duration of undergraduate (U.G.) degree programmes leading to B. Tech. degree, shall be normally four years and the maximum duration shall be 8 years from the date of initial registration in First year B.Tech. course. If a candidate will not be able to complete the course in the maximum

duration of 8 years, then he / she will not be eligible to continue the course from that point of time itself and he/she will automatically exit from the program.

4.0 ADMISSION PROCEDURE AND ELIGIBILITY

The minimum qualification for admission to the first year B. Tech. shall be the passing of Higher Secondary School Certificate Examination (10+2) scheme with Physics, Chemistry and Mathematics or any other subjects notified by the AICTE conducted by Central Board of Secondary Education or any other equivalent examination from recognized Board or University. The candidate shall be eligible for admission on the basis of the merit list of Joint Entrance Examination (JEE) (main) or any other procedure decided by Guru Ghasidas Vishwavidyalaya for Admission to B. Tech. degree course time to time. In general, the admission to B.Tech. degree course shall be governed by the rules of, Ministry of Education (MoE), Government of India (GoI) and Guru Ghasidas Vishwavidyalaya.

Admission to 2nd year eligibility for candidates who have passed a 3-years Diploma in Engineering recognized by the AICTE / State University (or) Equivalent Vocational / Technical Program / Under Graduate Certificate with NHEQF level 5 / UCF level 4.5 in the respective discipline for admission to 3rd semester B.Tech., degree program against the vacant seats. However, the candidate shall be eligible for admission on the basis of the entrance examination conducted by the Guru Ghasidas Vishwavidyalaya or any other procedure decided by Guru Ghasidas Vishwavidyalaya for admission to B. Tech. degree course time to time.

Admission to 3rd year eligibility for candidates with 10+4 /12+2 in appropriate domain with NSQF level 6 / Under Graduate Diploma with UCF level 5 completed in the respective discipline for admission to 5th semester B.Tech., degree program against the vacant seats. However, the candidate shall be eligible for admission on the basis of the entrance examination conducted by the Guru Ghasidas Vishwavidyalaya or any other procedure decided by Guru Ghasidas Vishwavidyalaya for admission to B. Tech. degree course time to time

Admission to 4th year eligibility for candidates with Bachelor degree in Vocational in appropriate domain with NHEQF level 7/ UCF level 5.5 completed in the respective discipline for admission to 7th semester B.Tech., degree program against the vacant seats. However, the candidate shall be eligible for admission on the basis of the entrance examination conducted by the Guru Ghasidas

Vishwavidyalaya or any other procedure decided by Guru Ghasidas Vishwavidyalaya for admission to B. Tech. degree course time to time.

With regard to the qualification earned from foreign countries, an equivalence certificate from the University/ Association of Indian Universities is mandatory for admission to B.Tech. Programs. In case of any dispute about the equivalence in qualification earned from foreign countries, the decision of the University in this regard shall be final and binding on all concerned.

The reservations in admission, cancellation of admission and fee refund will be as per AICTE/MoE/GoI/GGV norms and notifications issued in this regard from time to time.

4.1 Eligibility for Under Graduate Certificate

- (a) The Under Graduate Certificate course will be offered by all departments of SoS Engineering and Technology GGV.
- (b) For applicability of Under Graduate Certificate, the candidate who wants to exit after completing one-year (two semester) B.Tech. degree with 10 credits of skill-based courses lasting two month, including at least 6 credits job specific internship/apprenticeship with NHEQF level 5 / UCF level 4.5.
- (c) A student shall report the concerned Head on or before the date notified by the Department /School/University, if he/she is interested to exit with Under Graduate Certificate.

4.2 Eligibility for Under Graduate Diploma

- (a) The Under Graduate Diploma will be offered by all departments of SoS Engineering and Technology GGV.
- (b) For applicability of Under Graduate Diploma, the candidate who wants to exit after completing Two-year (Four semester) B. Tech. degree with 10 credits of skill-based courses lasting two months, including at least 6 credits job specific internship/ apprenticeship with NHEQF level 6 / UCF level 5.
- (c) A student shall report the concerned Head on or before the date notified by the Department /School/University, if he/she is interested to exit with Under Graduate Diploma.

4.3 Eligibility for Bachelor of Vocational Education

- (a) The Bachelor of Vocational Education will be offered by all departments of SoS Engineering and Technology GGV.
- (b) For applicability of Bachelor of Vocational Education, the candidate who wants to exit after completing Three-year (Six semesters) B. Tech degree with 10 credits of skill-based courses

lasting two months, including at least 6 credits job specific internship/ apprenticeship with NHEQF level 7 / UCF level 5.5.

- (c) A student shall report the concerned Head on or before the date notified by the Department /School/University, if he/she is interested to exit with Bachelor of Vocational Education.

4.4 Eligibility for B.Tech. with Honors / Research

4.4.1 Eligibility for Honors degree

- (a) The Honors degree will be offered by all departments of SoS Engineering and Technology GGV.
- (b) The allotment of seat into Honors degree is based on the percentage of marks or CGPA obtained in the B.Tech. degree programme. Percentage of marks shall be taken up to 4th semester.
- (c) A student shall report the concerned Head, if he/she is not interested to pursue/continue the Honors degree programme.
- (d) The students pursuing a B.Tech. degree programme can register for Honors degree offering from the same department.
- (e) Students registering for Honors degree shall select the subjects from same branches/department based on the recommendations of BOS committee. For example, if a student pursuing regular B.Tech. degree in Electronics & Communication Engineering shall select subjects in Electronics & Communication Engineering only and he/she will get B.Tech. Honors degree in Electronics & Communication Engineering.
- (f) Only those students, who have a CGPA of 7.5 or above, without any backlog, will be permitted to register for an Honors degree.
- (g) SGPA or CGPA in excess of 7.5 has to be maintained in the subsequent semesters in B.Tech. as well as Research degree without any backlogs in order to keep the Research degree registration active.
- (h) If a student failed in any registered course of the Honors, he/she shall not be eligible to continue the B. Tech Honors. However, the additional credits and grades thus far earned by the student shall be included in the grade card but shall not be considered to calculate the CGPA.
- (i) Separate SGPA/CGPA shall be shown on semester and final transcripts of B. Tech Honors.
- (j) The students shall complete Honors degree without supplementary appearance within stipulated period as notified by The University for the completion of B. Tech. programme.

- (k) Honors degree shall not be awarded at any circumstances without completing the B. Tech. programme in which a student got admitted.
- (l) If a student is detained due to lack of attendance, he/she shall not be permitted to register the courses for Honors degree.
- (m) The subjects completed under Honors degree programme shall not be considered as equivalent subjects in case the student fails to complete the B.Tech. degree programme.
- (n) For applicability of Honors degree, both B Tech and Honors degree courses shall be successfully completed with specified SGPA/GCPA.

4.4.2 Eligibility for Research degree

- (a) The Research degree will be offered by all departments of SoS Engineering and Technology GGV.
- (b) The allotment of seat into Research degree is based on the percentage of marks or CGPA obtained in the B.Tech. degree programme. Percentage of marks shall be taken up to 4th semester.
- (c) A student shall report the concerned Head, if he/she is not interested to pursue/continue the Research degree programme.
- (d) The students pursuing a B.Tech. degree programme can register for Research degree offering from the same department.
- (e) Students registering for Research degree shall select the subjects from same branches/department based on the recommendations of BOS committee. For example, if a student pursuing B.Tech. degree in Electronics & Communication Engineering shall the selects subjects in Electronics & Communication Engineering only and he/she will get B.Tech. Research degree in Electronics & Communication Engineering.
- (f) Only those students, who have a CGPA of 7.5 or above, without any backlog, will be permitted to register for a Research degree.
- (g) SGPA or CGPA in excess of 7.5 has to be maintained in the subsequent semesters in B.Tech. as well as Honors degree without any backlogs in order to keep the Honors degree registration active.
- (h) If a student failed in any registered course of the Research, he/she shall not be eligible to continue the B. Tech Research. However, the additional credits and grades thus far earned by the student shall be included in the grade card but shall not be considered to calculate the CGPA.

- (i) Separate SGPA/CGPA shall be shown on semester and final transcripts of B. Tech. Research.
- (j) The students shall complete Research degree without supplementary appearance within stipulated period as notified by the University for the completion of B. Tech. programme.
- (k) Research degree shall not be awarded at any circumstances without completing the B. Tech. programme in which a student got admitted.
- (l) If a student is detained due to lack of attendance, he/she shall not be permitted to register the courses for Research degree.
- (m) The subjects completed under Research degree programme shall not be considered as equivalent subjects in case the student fails to complete the B.Tech. degree programme.
- (n) For applicability of Research degree, B. Tech. Research degree courses shall be successfully completed with specified SGPA/GCPA.

5.0 ENROLLMENT IN THE UNIVERSITY

Every student admitted to the programme shall be enrolled before appearing in the first semester examination through the procedure prescribed by the competent authority from time to time.

6.0 TYPES OF COURSES

Basic Science, Humanities, Engineering Science, Mandatory Courses, Professional Core, Open Elective, Professional Elective, Research Elective etc. as per the guidelines issued by AICTE / University where ever applicable and as approved by the appropriate bodies of the University.

7.0 ATTENDANCE AND ELIGIBILITY TO APPEAR IN THE EXAMINATION

A Student shall be required to attend at least 75% of the classes actually held in the semester which may include theory class, seminars, practicals, projects, as may be prescribed. Provided that the Dean of the School of Engineering and Technology on the recommendations of the concerned Head of the Department may condone the shortage in attendance of those students who have secured at least 65% attendance. This condonation should not exceed 10% on the following satisfactory grounds;

- (a) Illness / Medical leave of the student certified by the University Medical Officer / Government Doctor.
- (b) Unforeseen mis happening with parents.
- (c) For participating in the extra and co-curricular events with prior approval from the university authority.

- (d) For participating in the sports activity with prior approval from the university authority.
- (e) For attending interviews with valid proof and prior permission of the concerned head of department.
- (f) Natural calamities.

The application must be supported by such documents as considered to be fit for granting such condonation.

7.1. A student who does not satisfy the requirement of attendance as per clause above, he/she will be detained due to shortage of attendance in a particular semester and he/she will have to repeat the same semester taking re-admission as a student in the next commencing academic session by paying fee as per the University norms.

8.0 EXTRA ORDINARY LONG ABSENCE

If a student does not participate in the academic activities of the School of Studies of Engineering and Technology of this Vishwavidyalaya for a period exceeding two years for reasons of ill health or medical grounds only, he / she shall neither be permitted to appear in any subsequent examinations nor shall be admitted or promoted to any semester and he / she shall cease to be a student of B. Tech. Degree Course. Here participation in academic activity means attending Lectures, Tutorials, Practicals and such other activities declared as academic activities.

9.0 MEDIUM OF INSTRUCTION/EXAMINATION

Medium of instruction and examination shall be in English only.

10.0 EXAMINATION AND EVALUATION

- 10.1 **Practical Work** – The student shall be required to complete the Laboratory / Drawing / Design / Job preparation and other academic work assigned for that semester in the session.
- 10.2 There shall be a Semester End Assessment (SEA) at the end of each semester consisting of theory papers and practicals.
- 10.3 There shall be one SEA at the end of each semester conducted by Guru Ghasidas Vishwavidyalaya. Only those students, who will satisfy the attendance requirement to be eligible to appear at the SEA as per clause 7.0, will be permitted to appear in the SEA. The examination will consist of theory papers, laboratory practical and viva-voce as per the scheme of examination of that semester. These examinations shall be designated as follows.

- (a) During First year - I & II sem. B. Tech. Examination
- (b) During Second year - III & IV sem. B. Tech Examination
- (c) During Third year - V & VI sem. B.Tech./B.Tech. Honors/ B.Tech. Research Examination
- (d) During Fourth year - VII & VIII sem. B.Tech./B.Tech. Honors/ B.Tech. Research Examination

10.4 The SEA will normally be held in the month of November-December and April – May in every academic session, or as decided by the University from time to time.

10.5 Supplementary examination will be held only once in a year (for both even and odd semesters) normally in the month of June/July or as decided by the University from time to time.

10.6 SEA time table shall be declared by the Controller of Examination before the commencement of examination.

10.7 Basis of Subjects Evaluation

10.7.1 For passing in a subject (theory / practical) the performance of the candidate in each semester shall be evaluated subject wise. There shall be continuous assessment throughout the semester by conducting class tests / assignments/quiz test/ attendance, called as Continuous Internal Assessment (CIA) carrying 40% weightage, and end semester examination called Semester End Assessment (SEA) carrying 60% weightage. A student has to secure minimum 35% in the particular theory subject and minimum 40% marks in a particular practical subject to pass that subject in the SEA. For each practical subject 50% weightage will be given to the actual practicals performed during the semester CIA and 50% weightage will be given to the end semester examination.

10.7.2 For evaluation of SEA practical examination of a subject, there shall be two examiners, one internal examiner who has conducted the practical in that semester and other external examiner to be appointed by the Head of the Department from the faculty amongst faculty members of the school /department concerned.

10.7.3 To allot the marks of CIA, there shall be two Class Tests (CT) I & II each of 15 marks, 05 marks for assignments, surprise test, quiz test etc. and 05 marks for attendance. The distribution of marks for attendance is as below.

Percentage of attendance	> 75 - ≤ 80	>80- ≤ 85	>85- ≤ 90	>90- ≤ 95	>95- ≤ 100
Marks	1	2	3	4	5

10.7.4 If a student fails to appear in the CIA of a semester due to unforeseen incident, a makeup test/examination may be conducted, if required, strictly on the recommendation of the concerned Head of the Department, and approval of the Dean (Engineering and Technology).

10.7.5 For passing a subject the student is required to fulfill the following conditions:

- (a) Must have secured minimum 40% marks (CIA+SEA) for each theory /practical subject.
- (b) Must have scored minimum SGPA of 5.0 in the semester. If a student has cleared all the Theory and Practical subjects of one or and both semesters of a year, but has failed to secure SGPA of 5.0 in the semester or and semesters of a year then he/she will be allowed to re-appear in the supplementary examination in those subjects in which the student's Grade Points less than 5. If the student fails to secure SGPA of 5.0 even in the supplementary examination, he/she will not be promoted to the odd semester of the next higher year, and such student shall be treated as an ex-student. Other condition of promotion of the ex-student will be applicable as per Clause 11.
- (c) If a student has passed a semester examination in all the subjects as per above clauses, he/she shall not be permitted to reappear in that examination for improvement in grades/division.

10.7.6 Basis of Credits-Credits of a theory or practical subject is decided by:

$$\text{Credits} = (L + T + P/2),$$

Where; L = Lecture periods per week,

T = Tutorial period per week,

P = Practical periods per week.

Credits in a subject will be an integer, not in a fractional number. If a credits in a subject turns out in fraction, it will be taken as next integer number.

10.7.7 For Projects/Practical Subjects- Evaluation of project/practical during the semester will carry 60% weightage for CIA and the SEA will carry 40% weightage. The internal assessment will carry equal weightage of attendance (20% weightage), practical records (20% weightage) and internal viva – voice examination (20% weightage). The marks for attendance shall be awarded in project/practical subject as per the following Table.

Percentage of attendance	65 - ≤ 75	> 75 - ≤ 80	>80- ≤ 85	>85- ≤ 90	>90- ≤ 95	>95- ≤ 100
Percent weightage of Marks	10	12	14	16	18	20

10.7.8 Grading System- Percentage as well as absolute grading system will be followed, in every subject, theory or practical. A student will be awarded a **Letter Grade**, based on his combined performance of CIA and SEA. These grades will be described by letters indicating a qualitative assessment of the student's performance through a number equivalent called "Grade Point" (GP) as given below. The following is the **Grade Point** pattern. Grade 'F' indicates not clearing (passing) of the subject.

Letter Grade (LG)	O	A+	A	B+	B	C	P	F	Ab
Grade Point	10	9	8	7	6	5	4	0	0

The Letter Grades are O (Outstanding), A+ (Excellent), A (Very Good), B+ (Good), B (Above Average), C (Average), P (Pass), F(Fail) and Ab (Absent in end semester examination). Grades will be awarded for every theory and practical/ subject separately.

10.7.9 Absolute Grading System

(a) The Absolute Grading System as explained below will be adopted for theory and project/practical subjects.

GRADE	PERCENTAGE OF MARKS OBTAINED IN THEORY/ PRACTICAL /PROJECT
O (Outstanding)	>90- ≤100
A ⁺ (Excellent)	>80 - ≤ 90
A (Very Good)	>70 - ≤ 80
B ⁺ (Good)	>60 - ≤ 70
B (Above Average)	>50- ≤ 60
C (Average)	>40- ≤ 50
P (Pass)	=40
F (Fail)	00 - <40

(b) 01 Grace Mark shall be given only once at the time of award of the degree to improve the Grade in overall result.

10.7.10 Semester Grade Point Average (SGPA)- Performance of a student in i^{th} semester is expressed by $[SGPA]_i$ which is a weighted average of course grade points obtained by a student in the semester, and is expressed by

$$[SGPA]_i = \frac{[C_1G_1 + C_2G_2 + \dots]_i}{[C_1 + C_2 + \dots]_i} = \frac{[\sum C_j G_j]_i}{[\sum C_j]_i} = \frac{N_i}{D_i}$$

Where C_j stands for Credits and G_j stands for Grade points corresponding to j^{th} subject in a semester. SGPA's will be calculated up to two places of decimal with rounding off. SGPA will be calculated only when a student clears a semester without failing in any subject, theory or practical /project.

10.7.11 Cumulative Grade Point Average (CGPA)- This is a weighted average of course grade points obtained by a student for all the courses taken, since his / her admission. Thus, CGPA in the i^{th} semester with " $i \geq 2$ " will be calculated as follows:

$$[CGPA]_i = \frac{\sum_{k=1}^{k=i} N_k}{\sum_{k=1}^{k=i} D_k}$$

Where N_k stands for sum of Credits and Grade points of semester, D_k stands for sum of Credits points of semester. CGPA's will be calculated up to two places of decimal with rounding off. CGPA will be calculated only when a student clears a semester without failing in any subject, theory or practical /project.

If a student repeats a course or is declared fail in a subject, then only the grade points earned in the attempt when he / she cleared the course (subject) are counted towards CGPA. CGPA will be calculated in every semester along with SGPA, so that a student knows his / her latest CGPA.

11 PROMOTION TO NEXT YEAR AND SEMESTER

11.1 Those students who have cleared all the registered theory, practical subjects prescribed for the B.Tech. first year shall be promoted to the B.Tech. second year. Those students who have cleared all the registered theory, practical subjects prescribed for the B.Tech. second year shall be promoted to the B.Tech. third year. Those students who have cleared all the

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registered theory, practical subjects prescribed for the B.Tech. third year shall be promoted to the B.Tech. fourth year.

- 11.2 Those students who would have backlogs in registered theory and/or practical subjects in the odd and/or even semesters of any academic year will be allowed to appear in the supplementary examinations of the same year.
- 11.3 Those B.Tech. students who are allowed to appear the supplementary examination (of odd or even or both semester), may be allowed to attend the classes provisionally of the next higher odd semester of the next year. However, such provisionally permitted students will get their regular admission only after passing in all their backlog papers in supplementary examination, if eligible otherwise. The percentage of attendance of such students shall be counted from the date of commencement of the semester classes.
- 11.4 If a student fails to clear in the supplementary examination all the backlogs of theory, practical subjects of the odd and even semesters, he/she will not be promoted to the odd semester of the next higher year, and such student shall be treated as ex-student.
- 11.5 Ex-students, shall be required to clear their backlog papers (theory and or practical subjects), in the end semester examination of the corresponding semesters (odd and even) and supplementary examination to be conducted next year (in the following academic session). Such ex-students will be required to deposit the examination fees only.
- 11.6 The ex-students (including the detained students due to shortage of attendance) have to take the re-admission along with the regular students after clearing their backlogs and shall follow the current academic curriculum and regulations.
- 11.7 If any deviation/changes in ex-students curriculum (curriculum at the time of admission), the committee constituted by the department shall decide to regularize their courses in align with the current academic curriculum with the regular students.

12 AWARD OF CLASS OR DIVISION

12.1 The class/division awarded to a student with B. Tech. Degree shall be determined by the student's CGPA after clearing all the subjects of all the eight semesters, as given below:

- First Division with Distinction : $7.5 \leq \text{CGPA} \leq 10.0$
- First Division : $6.5 \leq \text{CGPA} < 7.5$
- Second Division : $5.0 \leq \text{CGPA} < 6.5$

12.2 Division shall be awarded to a student only after clearing all the semesters as follows;

- (a) The total number of credits to be earned by students admitted to the first semester of 04 years B.Tech., the program shall be minimum 160.
 - (b) The total number of credits to be earned by students admitted to the third semester of 04 years B.Tech., program under lateral entry scheme shall be minimum 120.
 - (c) The students admitted through entry exit system in B.Tech. third semester / fifth semester / seventh semester has to earn minimum 160 credits including the credits deposited in his / her account in the Academic Bank of Credits (ABC).
 - (d) A student shall be eligible to obtain an undergraduate B.Tech. degree with Honors if he/she earns minimum additional 20 credits from Massive Open online Courses (MOOCS) through National Programme on Technology Enhanced Learning (NPTEL) under Study Webs of Active –Learning for Young Aspiring Minds (SWAYAM) or as specified by the UGC/AICTE/ University norms from time to time regarding the earning of additional credits.
 - (d) A student shall be eligible to obtain an undergraduate B.Tech. degree with Research if he/she earns minimum additional 20 credits from the subjects listed in the M.Tech. & Ph.D. scheme or as decided by the concern department.
 - (f) The allotment of seat into Honors/Research based on the percentage of marks obtained in the major degree program. Percentage of marks shall be taken up to 3rd year in case of both regular entry students and lateral entry students. Only those students who have a CGPA of 7.5 or above at the end of 3rd year without any backlog will be permitted to register for Honors/Research.
- 12.3 No student shall be declared to have passed the final B.Tech. course unless he/she has fully passed all the semesters. The results of the 8th semester of those students, who have not passed examination in any previous semester, will be withheld. Such students shall be deemed to have passed the final B.Tech. examination in the year in which they pass / clear all the subjects of all the semesters, within the limit of the prescribed period of the whole course.
- 12.4 Undergraduate Certificate shall be awarded to those students who successfully complete the first year (first two semesters) of the undergraduate B.Tech. programme with minimum 40 credits followed by an additional 10-credits bridge course(s) for two months, including at least 6-credits job-specific internship/apprenticeship.
- 12.5 Undergraduate Diploma shall be awarded to those students who successfully complete the first two years (first four semesters) of the undergraduate B.Tech. programme of minimum

80 credits followed by an additional 10-credits bridge course(s) for two months, including at least 6-credits job-specific internship/apprenticeship.

12.6 Undergraduate Vocational Degree shall be awarded to those students who successfully complete the first three years (first six semesters) of the undergraduate B.Tech. programme of minimum 120 credits followed by an additional 10-credits bridge course(s) for two months, including at least 6-credits job-specific internship/apprenticeship.

13 TRANSCRIPT

Based on the Letter grades, Grade points and SGPA and CGPA, the Vishwavidyalaya shall issue the transcript for each semester and a consolidated transcript indicating the performance in all semesters.

14 CONVERSION OF CGPA / SGPA IN PERCENTAGE

There is no equivalence between the CGPA/SGPA scale and percentage. However notionally SGPA and CGPA to Percentage is as follows,

$$\text{Percentage of particular semester} = (\text{SGPA}) \times 10$$

$$\text{Percentage of B.Tech. Degree} = (\text{CGPA}) \times 10$$

15 RANKING

Only such candidates who complete successfully all courses in the programme in single attempt shall be considered for declaration of ranks, medals etc. declared and notified by the university, if any.

16 DISCIPLINE

- Every student is required to observe discipline and decorous behavior both inside and outside the campus and not to indulge in any activity which will tend to bring down the prestige of the Institute.
- Any act of indiscipline of a student reported to the concerned Head / Dean (Engineering and Technology), will be investigated and necessary action will be taken as per university rules from time to time.
- Ragging in any form and of any dimension is a criminal and non-bailable offence in our country. The current State and Central legislations provide for stringent punishment, including imprisonment. Once the involvement of a student is established in ragging, the offending student will be dismissed from the University and will not be admitted into any other Institution. Avenues also exist for collective punishment, if individuals cannot be identified in this inhuman

act. Every senior student, along with the parent, shall give an undertaking every year in this regard and this should be submitted at the time of admission / registration.

17 REGISTRATION REQUIREMENTS

- Every student is required to be present and register at the commencement of each semester on the day(s) fixed for and notified in the Academic Calendar from time to time.
- Late registration will be permitted with a fine as decided from time to time up to three weeks from the date of commencement of each semester as notified in the Academic Calendar from time to time. If the student does not register in the specified time, he / she has to be registered in the next year in the same semester.
- Percentage attendance for all students will be counted from the date of commencement of the semester, irrespective of his/her date of registration. However, in case of first year first semester, attendance will be counted from date of admission into the school or date of commencement of class work, whichever is later.
- Minimum two weeks of Industrial training/Internship during summer break is compulsory after the end semester examination of 2nd semester; three weeks of Industrial training/Internship during summer break is compulsory after the end semester examination of 4th semester; and four weeks of Industrial training/Internship during summer break is compulsory after the end semester examination of 6th semester. The student has to submit the industrial training /Internship report to the concerned department at the time of registration in the next odd semester of the higher academic year and required to defend his/her industrial training/Internship during odd semester of next higher year.
- During the 8th semester, all the students are required to complete internship and project work. The project work may be carried out either from the department or from the industry. The student has to submit the Internship report and Project report to the concerned department before the last working day of 8th semester as mentioned in the academic calendar and required to defend his/her internship and project work at the end of the 8th semester.
- The curriculum for any semester, except for the final semester will normally carry credits between 20 to 32.
- A student who has successfully secured CGPA equal and more than 7.5 in his/her 1st year courses, can be registered for courses in other departments of the university for his/her higher semesters of study. The registration in such courses will be done after recommendation of Head of the Department and approval of the Dean, Engineering and Technology followed by the same

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of the Head of the Department concerned of the course offered in. The student has to attend the classes of the courses in addition to the fulfilling the requirements of registered regular subjects in his/her department prescribed by the Head of Department.

18 TRANSFER OF CREDITS

With due approval the courses studied through on-line / off-line like Massive Open Online Courses (MOOCS) through National Programme on Technology Enhanced Learning (NPTEL) under Study Webs of Active –Learning for Young Aspiring Minds (SWAYAM) in Indian/ Foreign University/Institutions by the students during their study period at GGV Bilaspur (C.G.) may count towards the credits requirements for the award of B.Tech. degree. The credits transferred will reduce the number of courses to be registered by the student at GGV. The guidelines for such transfer of credits are as follows.

- On successful completion of the courses opted by students under SWAYAM, the credits earned by them shall be included in their Grade card.
- Credits transferred will not be used for SGPA/CGPA computations except SWAYAM. However, credits transferred will be considered for overall credits requirements of the programme.
- Students can earn credits only from other department of the University (GGV) / IISC/IITs/NITs/Central Universities and other Indian and Foreign Institutions/Universities with which GGV has an MOU (and that MOU must have specific clauses for provisions of credits transfer by students).
- Credits transfer can only be considered for the courses at same level (i.e., UG, PG, etc.).
- The credits / grades indicated in the grade sheet obtained from the university in which the student has completed the courses should be used by the student as part of his/her transcripts.

19 INTERPRETATION OF REGULATION


In case of any dispute in the matter of interpretation of this Ordinance, the decision of the Vice-Chancellor of the University shall be final and binding on the students.


20 POWER TO MODIFY


Notwithstanding all that has been stated above, the Academic Council of the University has the right to propose any modifications or amendments to the Executive Council for final decision of the above regulations and further actions from time to time.

21 Matters not covered in this Ordinance shall be governed by the relevant ordinance of the University.



(M.K. Singh)



(G.C. Srivastava)


(Manish Sharma)


(A.K. Kushwaha)


(Dr. R.K. Prasad)


(Dr. S.V. Arora)


(Soma Dm)


(Dr. Rajesh Mahesh)


(M.C. Raw)


(Dr. A.K. Prasad)