



K. N. Government P. G. College, Gyanpur, Bhadohi-221304, U.P.
(Accredited B Grade by NAAC)

Affiliated to Mahatma Gandhi Kashi Vidyapeeth, Varanasi

Email: principalknpg1951@gmail.com

website: www.kngpgc.ac.in

Supporting Documents for 7.3

Performance of the Institution Distinctive to its priority



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Link for Institution Innovation Council-

http://www.kngpgc.ac.in/iic_list.php



Logout



Section 1: Policy And Institutionalization Of I&E Activities In HEIs (Academic Calendar Year 2020-21 & 2021-22)

K. N. Govt. P.G. College, Gyanpur, Sant Ravidas Nagar, Bhadohi [ARI-C-13536]

Adoption Level of Innovation and Entrepreneurship (I&E) Policy in HEIs: Registration; Policy Formulation; Policy Implementation

Performance Level of Institution's Innovation Councils (IICs) Established in HEIs: Scores and Stars Obtained

Activeness of Trained Innovation Ambassadors in Driving Campus I&E Ecosystems in HEIs: Trained IA/HEI and Nos of Prescribed Activities undertaken by IA

Participation in KAPILA/SIH Program

Back

K. N. Govt. P.G. College, Gyanpur, Sant Ravidas Nagar, Bhadohi (IC201811659) / AISHECode - (C-13536)

Annual Performances of IIC Institute	Stars Secured
IIC 1.0 (2018-19)	1,2,3
IIC 2.0 (2019-20)	3.5
IIC 3.0 (2020-21)	3.5
IIC 4.0 (2021-22)	0 (On Progress)

*The extended last date for submission of report for the I&E activities organised till 31st August 2022 as part of the IIC 4.0 is 11th September 2022 through the IIC portal only.

Link for DBT Star College Scheme Reports



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<http://www.knpggc.ac.in/report.php?session=2020-21>

<http://www.knpggc.ac.in/report.php?session=2021-22>

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

ARIIA
ATAL RANKING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENTS

K. N. GOVERNMENT P G COLLEGE,
Gyanpur, Bhadohi
Accredited with 'B' Grade by NAAC, DBT STAR COLLEGE SCHEME
www.knpggc.ac.in

PROGRESS REPORT – DBT STAR COLLEGE SCHEME (2020-22)

	WORKSHOP				FIELD VISIT				MINOR RESEARCH PROJECT (BOTANY)
	Name of the Activity	Date	Class	Beneficiary	Name of the Activity	Date	Class	Beneficiary	
BOTANY	Biological Pesticides 2021	24 th March 2021	B.Sc. III	80	Visit to Indian Institute of Vegetable Research, Varanasi	27 th Nov 2021	B.Sc. I and B.Sc. II	60	Plant Physiology • Effect of Workload on photosynthesis • Effect of different concentrations of auxin on growth • Estimation of Chlorophyll content by leafy and Deciduous leaves Microbiology • Isolation of soil, air and water microbes on PDA, Mordant and its study Biochemistry • Estimation of urease activity
ZOOLOGY	Workshop on 5-7 Biomembrane Principles Application 2022	05-07 Feb 2022	B.Sc. III	75	Visit of fish pond of Lala Mangaraj, Daudnagar 24 Feb. Department of Zoology, University of Allahabad	15 March 2021	B.Sc. II, III	60	• Estimation of urease activity
PHYSICS	Operation & Utility of Advanced Electronics Devices 2021	12 March 2021	B.Sc. III & B.Sc. I	65	Foundation Course & 5084 State Laboratory, Department of Physics, BHU, Varanasi Laser and Spectroscopy Laboratory, Department of Physics, BHU, Varanasi Aval Bhasi Vajpayee Science Discoveries Centre, BHU, Varanasi	14 March 2022	B.Sc. III	30	MINOR RESEARCH PROJECT (PHYSICS) • Preparation of Carbon Nanomaterial (Graphene) Using Agro Waste (Sugarcane Bagasse)
CHEMISTRY	Workshop on 19 th -21 st February 2022 Principles and Applications of Chromatography Feb 2022	19-21 Feb 2022	B.Sc. III	60	Spectrophotometric analysis of Fe ³⁺ using Thiocyanate, Fe ³⁺ using Fehling's solution, Fe ³⁺ using Prussian Blue, Fe ³⁺ using Potassium Thiocyanate, Fe ³⁺ using Potassium Ferricyanide, Fe ³⁺ using Potassium Dichromate, Fe ³⁺ using Potassium Permanganate, Fe ³⁺ using Potassium Nitrate, Fe ³⁺ using Potassium Chlorate, Fe ³⁺ using Potassium Dichromate, Fe ³⁺ using Potassium Permanganate, Fe ³⁺ using Potassium Nitrate, Fe ³⁺ using Potassium Chlorate	22 March 2022	B.Sc. I, II & III	35	

OUTREACH ACTIVITIES				
S.No.	Target Audience	Topic	Date	No. of beneficiary
1.	Faculty Members	Smart use of Online Platform during Covid	26/11/2021	46
2.	Supporting Staff	Lab Safety measures	27/01/2022	25
3.	Rural Area People	Mushroom Production Technology	13/11/2021	38
4.	Rural Area People	Food Nutrition and Health	21/02/2022	54
5.	School students (9 th to 12 th standard)	Understanding Science through Experiments	17/02/2022	51

Celebration of National Science Day Under Science Week (22nd Feb-28th Feb 2022)



Course Co-ordinators: Botany: Dr. Rashmi Singh
Physics: Dr. Kalpana Awasthi
Zoology: Mr. Ratnesh Soni
Chemistry: Dr. Abhimanyu Yadav

Project Co-Ordinator: Dr. Rashmi Singh
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PROGRESS REPORT – DBT STAR COLLEGE SCHEME (2020-22)

New Practical Introduced			Hands on Training				Invited Talks				
S.No.	New Practical/Introduced	Instruments Used	Name of the Activity	Date	Class	Beneficiary	Name of the Activity	Speaker	Date	Class	Beneficiary
BOTANY	1. Preparation of culture medium and isolation of soil, water and air microflora	Laminar Flow, Autoclave, Double distillation Unit	Preparation of herbaria and herbarium techniques	14 th March 2021	B.Sc. III	80					
	2. Measurement of chlorophyll concentration in diseased and healthy plants	Spectrophotometer									
	3. Isolation of neem oil	Clevenger Apparatus									
	4. Preparation of herbal cosmetics (Soap, Lotion and Face cream)	Water Bath									
	5. Microbes Identification (<i>Aerobaria</i> , <i>Protomyces</i> , <i>Colletochium</i>)	Image Analyzing Camera									
	6. Protein Estimation and Differentiation of Monosaccharides and Disaccharides										
ZOOLOGY	1. Microscopy	Microscope	Microscope handling and its application	08-10 March 2021	B.Sc. I, II, III	300					
	2. Study of Zooplankton and phytoplankton	Microscope	Collection and identification of local insects of Gyanpur	12 March 2021	D.Sc. I	150					
	3. Preparation and study of cytological slide	Microscope	Collection and identification of native fishes	18 March 2021	B.Sc. II	50					
	4. Quantitative estimation of Protein	Spectrophotometer	Collection, identification and culture techniques of native fishes	14 March 2021	B.Sc. III	60					
	5. Agarose gel electrophoresis	Micro pipette, horizontal electrophoresis unit	Collection, identification and culture techniques of native fishes	22 March 2021	B.Sc. III	60					
	6. Blood Group Typing	Antibodies	Hands on training on Hematology	03-04 March 2022	B.Sc. II	160					
	7. To check the effect of temp and pH on optimal activity of salivary amylase										
PHYSICS	1. To find out the outer band tip of semiconductor material	Four Probe Method	Assembling of Electronic Circuits on Breadboard	15-16 March 2021	B. Sc. III	45+130 (75)					
	2. To find out the frequency of a.c. mains	Sonometer									
	3. Formation of interference, diffraction and slight width determination	Heads how setup									
	4. Preparation of copper sulphate crystals	Magnetic Stirrer									
	5. Preparation of nanomaterial by using greenroute	Multifunction									
CHEMISTRY	1. Percentage composition determination through viscosity method	Ostwald's Viscometer	Percentage composition determination through viscosity method	17 th March 2021	B.Sc. I	200 (50 students+40batch)					
	2. Potentiometric titration:	Potentiometer									
	3. Principle of Chromatography and use of Paper Chromatography, Thin Layer Chromatography	Chromatography Chamber, Distillation Unit, Sprayer etc									
	4. Preparation of Herbal Cosmetics and Soap	High Vacuum Pump,									

Interdisciplinary Workshop

S. No.	Name of the Activity	Date	Beneficiary	Participating Department
1.	Herbal Cosmetics	11-12 Feb.2022	60	Botany, Chemistry
2.	Agarose Gel Electrophoresis Technique	15 March 2022	60	Zoology, Botany
3.	Hands on Training Workshop on Crystal Growth	3-4 Dec. 2021	88	Physics, Chemistry





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Innovation Ambassadors




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