

# GULAB BAI YADAV SMRITI SHIKSHA MAHAVIDYALAYA, BORAWAN

NAAC  
ACCREDITED  
GRADE "B"

TEH-KASRAWAD, DISTRICT-KHARGONE (M.P.)

Recognized by NCTE, Affiliated by Devi Ahilya Vishwavidyalaya Indore



RESEARCH AND INNOVATION TRIED OUT AND IDEAS INCUBATED:

## 1. RESEARCH AND DEVELOPMENT CELL AT GBYSSM:

R& D Cell has been established for the Promotion of research. In order to achieve the goal of sustainable development the following innovation and research activities were conducted in the past years. The below given are Newspaper cuttings which shows that the UGC instructed to form Research and Development Cell at each College.



डीबी स्टार भोपाल 01-03-2022

### अहम फैसला • रिसर्च में दुनिया के प्रमुख देशों से हो सकेगी प्रतिस्पर्धा, शिक्षाविद, छात्रों से सुझाव लिए जाएंगे क्वालिटी रिसर्च के लिए प्रदेश के विवि और कॉलेजों में शुरू होगी रिसर्च एंड डेवलपमेंट सेल

भोपाल/इंदौर/IBS Star

एजुकेशन हब इंदौर सहित सभी यूनिवर्सिटी व कॉलेजों में नए स्तर से रिसर्च एंड डेवलपमेंट सेल शुरू होगी। यूजीसी (यूनिवर्सिटी ग्रांट कमिशन) ने यह अहम निर्णय लिया है। इसी सप्ताह यूजीसी इससे संबंधित अहम गाइडलाइन जारी करेगा। इसे लागू करने के साथ ही शिक्षाविद, अभिभावकों व छात्रों से सुझाव भी लिए जाएंगे। फिलहाल रिसर्च को लेकर यूनिवर्सिटी व कॉलेजों में कोई सिस्टम नहीं है। यूजीसी की गाइडलाइन में रिसर्च तो सभी प्रोफेसर्स के लिए अनिवार्य है, लेकिन व्यवस्थित सिस्टम नहीं होने से अमल नहीं हो पाता। अब यह सेल न केवल क्वालिटी रिसर्च पर काम करेगी; बल्कि उससे जुड़े तमाम पहलुओं पर काम भी करेगी।



#### ऐसे काम करेगी सेल

- सेल में रिसर्च के जानकारों का स्टाफ होगा। छात्र व प्रोफेसर्स की रिसर्च संबंधी समस्याओं का समाधान होगा।
- रिसर्च उपकरणों की जरूरत, लेब के विकास और अन्य तमाम बिंदुओं पर काम होगा।
- रिसर्च के लिए मिलने वाली ग्रांट, प्रोजेक्ट व सुविधाओं के बारे में जानकारी रहेगी।
- यहां से तय होगा कि रिसर्च को प्रमोट करने के लिए किस तरीके से आगे बढ़ा जा सकता है, क्या गतिविधियां होना चाहिए।

#### रिसर्च के मामले में हम बहुत पीछे हैं

फिलहाल रिसर्च के मामले में एजुकेशन हब होने के बावजूद इंदौर पीछे है। ए प्लस ग्रेड यूनिवर्सिटी के पास भी 10-12 पेंसेंट और कुछ स्पेशल प्रोजेक्ट के अलावा कोई बड़ी उपलब्धि नहीं है। यूनिवर्सिटी के लाइफ साइंस, एनजी, स्कूल ऑफ इलेक्ट्रॉनिक्स और आईटी जैसे विभागों में जरूर छात्र व फेकर्टी 8 से 10 रिसर्च प्रोजेक्ट पर काम कर रहे हैं। हालांकि यूजीसी से कोई बड़ी ग्रांट किसी बड़े रिसर्च प्रोजेक्ट के लिए नहीं मिली है।

#### रिसर्च को बढ़ावा देने अहम है यह प्रोजेक्ट

यूजीसी सभी यूनिवर्सिटी व कॉलेजों में रिसर्च एंड डेवलपमेंट सेल शुरू करने के निर्देश जारी करने जा रही है। हमारा फोकस इस पर है कि क्वालिटी एजुकेशन के साथ रिसर्च बेस्ट एजुकेशन हो, ताकि दुनियाभर से प्रतिस्पर्धा में हम आगे बढ़ सकें। यह सेल कैसे काम करेगी, क्या-क्या करना होगा, यह सब हम गाइडलाइन में जारी करेगी। - डॉ. रजनीश जैन, सचिव, यूजीसी



Prof. S.K. Tiwari  
**Principal**  
Swa. Gulab Bai Yadav Smriti  
Shiksha Mahavidhyalaya  
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## उच्च शिक्षा विभाग ने कॉलेजों को दिए निर्देश कॉलेजों को बनानी होगी रिसर्च पॉलिसी, फंड भी जुटाना होगा

एजुकेशन रिपोर्टर | भोपाल

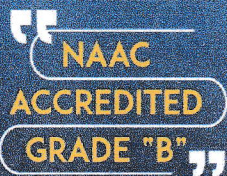
उच्च शिक्षा विभाग के अंतर्गत आने वाले कॉलेजों को अपने स्तर पर रिसर्च पॉलिसी बनानी होगी। उच्च शिक्षा आयुक्त ने गुरुवार को प्रदेश के सभी कॉलेज प्राचार्यों को कॉलेज स्तरीय पॉलिसी बनाने के निर्देश दिए हैं। इसके लिए कॉलेजों को विश्वविद्यालय से समन्वय कर विषयवार रिसर्च सेंटर खोलने होंगे। वहीं सभी योग्य प्रोफेसर, एसोसिएट प्रोफेसर और असिस्टेंट प्रोफेसर को इन रिसर्च सेंटर से रजिस्टर्ड करना होगा। आयुक्त दीपक सिंह ने कहा

है कि एकेडमिक रिसर्च को बढ़ावा देने के लिए प्रोफेसर को यूजीसी केयर लिस्ट में पब्लिकेशन करना होगा। साथ ही इंडियन काउंसिल ऑफ सोशल साइंस रिसर्च (आईसीएसएसआर), डिपार्टमेंट ऑफ साइंस टेक्नोलॉजी, काउंसिल ऑफ साइंटिस्ट एंड इंडस्ट्रियल रिसर्च (सीएसआईआर), डिपार्टमेंट ऑफ बायोटेक्नोलॉजी (डीबीटी) जैसी एजेंसियों से संपर्क करना होगा। ताकि माइनर, मेजर प्रोजेक्ट के लिए फंड मिले। इसके लिए कॉलेज प्राचार्यों को जिम्मेदारी दी गई है।



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## Establishment of Research and Development Cell at GBYSSM

Swa. Gulab Bai Yadav Smriti Shiksha Mahavidyalaya, Borawan has established a Research & Development Cell at Institute Level in December 2021. The Cell is Managed by a Chief Co-Ordinator and Research Associate and other office staff. The Prime Objective of the Cell is to Promote and to encourage the aspiring students and faculty members to carry out research in the field of teacher education by providing necessary facilities and infrastructures required for them. The Research & Development Cell is headed by Prof. Dr. Surendra Kumar Tiwari. The Cell is presently located in Swa. Gulab Bai Yadav Smriti Shiksha Mahavidyalaya, Borawan, Kasrawad, Khargone - 451228. The Research and Development Cell is established to promote research activities at Swa. Gulab Bai Yadav Smriti Shiksha Mahavidyalaya, Borawan.

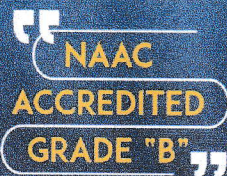
### *The Cell Objectives are*

- To Generate Innovative Ideas on Teacher Educations and Educational Societal Problems.
- To Encourage, Coordinate and Implement Research and Development Programs (Workshops/ Seminar/ Trainings)
- To Create Awareness on Evolving Technologies and Industrial Standards for Products.
- Provide Scope for Faculty and Students to Work on Latest Evolving Technologies with Teacher Education Standards through Consultancy Projects.
- To Identify and Inform Researchers about the Appropriate Research Opportunities Announced by Different Academic, Research, Industry Or Government Organizations.
- To Encourage and Facilitate the Publication of the Research Work/Projects in Reputed Academic Journals and Reputed Conferences
- To Prepare and Implement a Research Quality Assurance Mechanism for Ensuring that All Research Activities of the College Conform to Standard Quality Specifications.
- To Develop, Prescribe and Administer Rules and Regulations to Ensure the Compliance of all Researchers to the Research Quality Assurance Framework and the Research Code.
- To Encourage Core Competence and Consultancy Work.
- To Create Awareness about Filing Patents & IPR.

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- To Conduct Idea Presentation for SEED Funding.

## Executive Research Committee

NAME	DESIGNATION IN INSTITUTION	POSITION
Prof. Abha Shukla	Former Vice Chancellor for the Dr. B.R. Ambedkar University Of Social Sciences, Mhow, Madhya Pradesh	Advisor & External Expert
Prof. Dr. Surendra Kumar Tiwari	Principal & Head, GBYSSM	Chief Coordinator
Prof. Dr. Sunil Mehara	Professor, M.Ed. Department	Research Associate
Dr. Parinita Ratnaparkhi	IQAC Coordinator & Assistant Professor	Coordinator IQAC
Surmal Narve	Assistant Professor ,B.Ed. Department	Research Associate
Dr. Tribhuvan Giri	Assistant Professor ,B.Ed. Department	Research Associate
Dr. Sangeeta Randhive	Research Scholar	Member
Rashmi Singh	Research Scholar	Member
Prerna vyas	Research Scholar	Member
Shradha Sharma	Research Scholar	Member
Prabha Yadav	Research Scholar	Member
Ajaz Ahmad Lone	Research Scholar	Member
Dr. Vaishali Tiwari	P.G.Student	Member



Prof. S.K. Tiwari  
**Principal**

Swa. Gulab Bai Yadav Smriti

Email: [principal.gbyssm@gmail.com](mailto:principal.gbyssm@gmail.com)

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## 2. REPORTS OF INNOVATION TRIED OUT AND IDEAS INCUBATED

ESTABLISHMENT OF INNOVATION AND INCUBATION CELL AT GBYSSM:

Activities are being tried out for continuous innovation and promotion of research in GBYSSM, Borawan. Under which Innovation and Incubation Cell was established in year 2021-2022 by the college in collaboration with Ministry of Education to promote innovation of Ideas and research. The Cell is functional and staff members along with cell members organize for various programs and activities under its aegis.



  
Prof. S.K. Tiwari  
**Principal**  
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Shiksha Mahavidyalaya  
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MoE Innovation Cell

IC ID: IC202216242

Swargiya Gulabbhai Yadav Smriti (C-29711)

Star Ratings (AY 2021-22): ★★★★★

The last date to nominate innovation/prototype for the YUKTI Innovation Challenge has been extended to May 7th, 2023.

CERTIFICATES | RESET PASSWORD | LAST LOGIN | MY PERFORMANCE

HOI Details | President Details

Name	Dr Surendra Kumar Tiwari
Email	principal.gbysm@gmail.com
Alternate Email	drsurendratiwari999@gmail.com
Contact	9424056999
Alternate Contact	9669154999

Edit



*Prof. S.K. Tiwari*  
**Principal**  
Swa. Gulab Bai Yadav Smriti  
Shiksha Mahavidhyalaya  
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**IIC ID** Swargiya Gulabbhai Yadav Smriti (C-29711)  
IC202216242

Star Ratings (AY 2021-22) ★★★★★

The last date to nominate innovation/prototype for the YUKTI Innovation Challenge has been extended to May 7th, 2023.

Institute Details Council Meeting Add Teaching/Non teaching Members Student Members External Member Social Media

**Update Institute/President Details**

**More Information about Institute**

Institute Name  
Swargiya Gulabbhai Yadav Smriti

Institute State  
Madhya Pradesh

Institute Type  
College

[Read More](#)

**IIC ID** Swargiya Gulabbhai Yadav Smriti (C-29711)  
IC202216242

Star Ratings (AY 2021-22) ★★★★★

The last date to nominate innovation/prototype for the YUKTI Innovation Challenge has been extended to May 7th, 2023.

Institute Details Council Meeting Add Teaching/Non teaching Members Student Members External Member Social Media

**Add External Member Details**

Search

Role	Name	Email	Contact	Organization	Member	Experience	Qualification	Download	Action
Members	Dr. Santosh Pawar	spawargits@gmail.com	9770065298	School of Engineering, Dr. A. P. J. Abdul Kalam University Indore.	Expert from nearby Industry/Industry association/ Ecosystem Enablers	14	Doctorate	<a href="#">Download CV</a>	<a href="#">Delete</a>

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Prof. S.K. Tiwari  
**Principal**  
Swa. Gulab Bai Yadav Smriti

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**IICID Swargiya Gulabbhai Yadav Smriti (C-29711)**

Star Ratings (AY 2021-22): ★★★★★

The last date to nominate innovation/prototype for the YUKTI Innovation Challenge has been extended to May 31, 2023.

**+ Add Teaching/Non teaching Members**

Faculty roles need to be assign/add.  
Social Media, Innovation Activity, Internship Activity Coordinator, IPR Activity Coordinator, Start up Activity Coordinator

Roles	Name & Details	Department	Designation	Qualification	Experience in Years	Action
President	<b>Dr Surendra Kumar Tiwari</b> principal.gvssm@gmail.com 9424056999		Principal			
Vice President	<b>Dr. Parinika Ratnaparkhi</b> pari2022gvssm@gmail.com 9893769743	Education	Assistant professor	Doctorate	2	
Convener	<b>Surmal Narve</b> surmalnarve82@gmail.com 9577924422	Education	Assistant Professor	Post Graduate	4	

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**IICID Swargiya Gulabbhai Yadav Smriti (C-29711)**

Star Ratings (AY 2021-22): ★★★★★

The last date to nominate innovation/prototype for the YUKTI Innovation Challenge

Institute Details  Council Meeting  Add Teaching/Non teaching Members  **Student Members**  External Member  Social Media

**+ Add Student Members**

Following Student roles need to be assign/add.  
Startup Coordinator, Internship Coordinator, IPR Coordinator

Role	Name	Email	Discipline	Semester	Stream	Year	Association With	Action
Innovation Coordinator	Dr Vaishali Tiwari	dvaishalitwari777@gmail.com	Education	2	Master of Education	2	Innovation & Entrepreneurship Development Cell (IEDC)	
Social Media Coordinator	Dinesh Muzsida	dineshmuzsida12@gmail.com	Education	1	B.Ed	1	Innovation Cell	

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**Prof. S.K. Tiwari**  
**Principal**

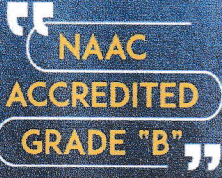
www.gvssm.com

Telephone No: 07282-277854

Email: principal.gvssm@gmail.com  
Shiksha Mahavidyalaya  
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### 3. ONE DAY WEBINAR ON IPR: NATIONAL WEBINAR ON INTELLECTUAL PROPERTY RIGHTS (IPR)

One day National Webinar on Intellectual Property Rights (IPR) was organized at GBYSSM, Borawan by IQAC of the college on 19-01-2022. The resource person for the workshop was Dr. Himanshu Pandey, Associate Professor and Head of Academy of Law, Maharashtra National Law University, Nagpur and Dr. Sonia Dutta Sharma, Associate Professor and Head of Academy of Law, MJRP University, Jaipur, Rajasthan. The resource persons briefly discussed about the following points, IPR provide certain exclusive rights to the inventors or creators of that property in order to enable them to reap commercial benefits from their creative efforts or reputation. There are several types of Intellectual Property Protection like patents, copyright, trademarks etc. Patent is recognition for an invention which satisfies the criteria of global Novelty.

Convener of the Program, Dr.Surendra Kumar Tiwari, and Principal at GBYSSM briefed about His own patents filling and procedure. The staff and students of M.Ed. participated actively in the webinar.



  
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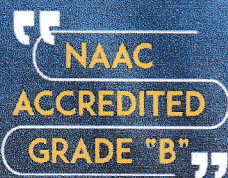
## IPR CELL AT GBYSSM:

- Swa.Gulab Bai Yadav Smriti Shiksha Mahavidyalaya, Borawan is one of the leading educational institutes was established on 29th August 2002 as a Teacher Training Institute, Borawan, Khargone, and Madhya Pradesh.
- The college gives emphasis on the research, problem finding and intellectual properties for the students.
- Swa. Gulab Bai Yadav Smriti Shiksha Mahavidyalaya, Borawan - 451228 established the Intellectual property rights cell to create awareness about intellectual property rights.
- Intellectual property rights are legal rights that protect creations and inventions resulting from intellectual activity in the industrial, scientific, literary or artistic fields.



  
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## 4. CAPACITY BUILDING PROGRAM

**Seven Days Faculty Development Programme on Data Analysis and Interpretation Using  
SPSS on Date: 01-07 March 2021**

### Resource Person:

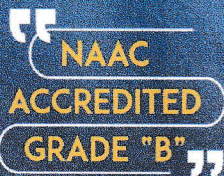
Prof. S.K. Tyagi, ICSSR Senior Fellow, Former Dean & Head, School of Education, D.A.V.V., Indore. Gulab Bai Yadav Smriti Shiksha Mahavidyalaya has organized seven-day faculty development program on the 'Data Analysis and Interpretation using SPSS' from 1<sup>st</sup> March to 7<sup>th</sup> March 2021. The Faculty Development Programme Focused on Data Analysis and Interpretation using SPSS in research. The First day 01 march 2021 FDP Start At 5:30 PM with the Welcome Address by Prof. Surendra Kumar Tiwari, Principal

GBYSSM Opening Remarks and Introduction of the Programme was given by Ajab Husain. She highlighted subject experts, focused on Data Analysis and Interpretation using SPSS in the Field of Education and other area. This FDP was sponsored by Indian Teacher Education Community and GBYSSM, Borawan. The key focus of the programme was to focus on the Data Analysis and Interpretation using SPSS. The experts Prof. S.K. Tyagi, ICSSR Senior Fellow, Former Dean & Head, School of Education, D.A.V.V., Indore made the session learning. In FDP expert, presented his fundamental ideas, models and perspectives to the participants in research and data analysis in educational fields. Participants could learn about Data Analysis and Interpretation using SPSS. The number of participants in this FDP was 80. Prof. Surendra Kumar Tiwari and Sural Narve, Program Coordinator of the seven -days FDP, presented Vote of Thanks for everyone and said that the participants of various institutes made this program successful by taking active participation and acquiring specialized knowledge of Data Analysis Using SPSS Software.

Total 80 participant registrations for FDP faculty and students from all over India in seven-day FDP. Then E certificate are distributed to participant The vote of thanks which was given by Sural Narve Assistant Professor GBYSSM, Borawan.



# GULAB BAI YADAV SMRITI SHIKSHA MAHAVIDYALAYA, BORAWAN



TEH-KASRAWAD, DISTRICT-KHARGONE (M.P.)

Recognized by NCTE, Affiliated by Devi Ahilya Vishwavidyalaya Indore



## 5. REPORT ON 12 DAYS FACULTY DEVELOPMENT PROGRAMME (FDP) ON TEACHER EDUCATION IN INDIA

Gulab Bai Yadav Smriti Shiksha Mahavidyalaya has organized Twelve-day faculty development program on Teacher Education in India from 11<sup>th</sup> march To 22 March 2021. The Faculty Development Programme Focused on Teacher education in India. About 75 faculty members and PG student are actively participated and gained useful information from all the sessions.

### Day 1: 11-03-2021

The faculty Development Program was inaugurated by Prof. Surendra Kumar Tiwari Principal GBYSSM and Ajab Amani, Parmod Gupta Convener of the Programme, at 03:30 P.M.

Session 1:

Prof. Devraj Goel, Emeritus Vadodra Gujarat, from 04.00 PM – 05:00 PM, delivered on overview of Education in research of identifies, the Teacher Education in India. The participants interacted with resource person and clarified their doubts regarding Research on Teacher education.

### Day 2: 12-03-2021

Prof. Chaya Goel former professor education Maharaj Sayajirao University of Baroda, Gujarat delivered a lecture on Teacher education in India: concern and Issues. The participants interacted with resource person and discussed about implementation problems they are facing in their academic & research work and Teacher education in India

### Day 3: 13-03-2021

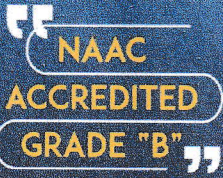
Dr. Yash Paul Sharma Technology expert CIET, NCERT New Delhi, delivered a lecture on innovations in ICT pedagogies with special reference to immersive technologies from 3:30-5:00 AM

### Day 4: 14-03-2021

Dr. Yash Paul Sharma Technology expert CIET NCERT New Delhi, again delivered a lecture on innovations in ICT pedagogies with special reference to immersive technologies Hand on experiences from 3:30-5:00 AM



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## Day 5: 15-03-2021

Prof. Chaya Goel former professor education Maharaj Sayajirao University of Baroda Gujarat, delivered a lecture on Techno Pedagogic Analysis from 3:30-5:00 AM

## Day 6: 16-03-2021

Prof. Devraj Goel Emeritus Vadodra Gujarat from 3:30-5:00 AM, delivered a lecture on development of info-savvy skill from 3:30-5:00 AM

## Day 7: 17-03-2021

Prof. Devraj Goel Emeritus Vadodra Gujarat and Prof. Chaya Goel former professor education Maharaj Sayajirao University of Baroda Gujarat, delivered a lecture on innovations in teacher education: holistic development of science Teacher From 3:30-5:00 AM

## Day 8: 18-03-2021

Prof. Devraj Goel Emeritus Vadodra Gujarat, delivered a lecture on Teacher education in Quest of peace from 3:30-5:00 AM

## Day 9: 19-03-2021

Dr Ganiger Bharti Assistant Professor delivered Lecture on integration of ICT aided constructive approach for professional development of teacher from 3:30-5:00 AM PM

## Day 10: 20-03-2021

Prof.Devraj Goel Emeritus Vadodra Gujarat , and Prof.Chaya Goel former professor education Maharaj Sayajirao University of Baroda Gujarat from 3:30-5:00 AM , delivered lecture on research scenario of teacher education in India

## Day 11: 21-03-2021

Prof.Devraj Goel Emeritus Vadodra Gujarat, delivered a lecture on Taxonomy of education skill from 3:30-5:00 AM

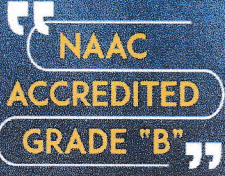
## Day 12: 22-03-2021

Prof. Devraj Goel Emeritus Vadodra Gujarat, delivered a lecture on Teacher Education in India in the context of NEP 2020 from 3:30-5:00 AM



  
Prof. S.K. Tiwari  
**Principal**  
Swa. Gulab Bai Yadav Smriti  
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## 6. FACULTY DEVELOPMENT PROGRAM

### REPORT ON 15 DAYS CAPACITY BUILDING PROGRAM IN BASIC STATISTICS FOR RESEARCH DATE 17TH FEBRUARY TO 03 MARCH 2022

**Resource Person:** Prof. S.K. Tyagi ICSSR Senior Fellow, Former Dean & Head, School of Education, D.A.V.V., Indore. Gulab Bai Yadav Smriti Shiksha Mahavidyalaya, Borawan Khargone, M.P. with collaboration Indian Teacher Education Community organized 15 days Capacity Building Program in Basic Statistics for Research by Prof. S. K. Tyagi from 17th Feb. to 03rd March 2022, The Capacity Building Program Focused On basic of research. The First day 03 march 2022 Start At 5:30 PM with the Welcome Address by Prof.Surendra kumar Tiwari principal GBYSSM. Opening Remarks and Introduction of The Programme Was Given Ajab Husain. she Highlighted Subject Experts, Focused On basic of research

This CBT was sponsored by Indian Teacher education community and GBYSSM, Borawan The key focus of the programme was to focus on the Data Analysis and Interpretation for Research The experts Prof. S.K. Tyagi ICSSR Senior Fellow, Former Dean & Head, School of Education, D.A.V.V., Indore invited make the session learning . In CBT experts, presented their fundamental ideas, models and perspectives to the participants in Research and data analysis in Education fields. Participants could learn about Basic Of research. The experts were Professor Data Analysis and Interpretation in Educational research The number of participants in This CBT 62.Prof.Surendra Kumar Tiwari and Sural Narve Program Coordinator of this Fifteen-days CBT, thanked everyone and said that the participants of various institutes made this program successful by taking active participation and acquiring specialized knowledge of Basic of research. Total 62 participant registrations for FDP faculty and students from all over India in seven day CBT. Than E certificate are distribute to participant The vote of thanks which was given by Ajab Amani Professor GBYSSM, Borawan.



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NAAC  
ACCREDITED  
GRADE "B"

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## 7. TWO DAY WORKSHOP ON "INNOVATION IN EDUCATION"

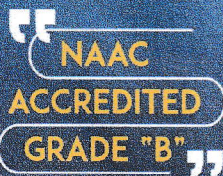
'Education policy must respond appropriately to the changing times' keeping this view GBYSSM organized for two –day workshop on "Innovations in Education" from 14 May 2022. On the occasion, former agricultural minister and Kasrawad MLA Sachin Yadav, Prof. Renu Jain, Hon'ble Vice Chancellor of DAVV, Indore and Dr. D. N. Sansalwal, Former Dean, Faculty of Education and Head Department of Education, DAVV, Dr. Laxman Shinde, Head, Department of Education, School of Education, DAVV, Indore and other staff were prominently present on the inaugural session of the conference.

Sachin Yadav emphasised on the importance of online learning during the COVID pandemic. Teachers and students entered a new world of Virtual lectures as lockdown brought about by the corona virus shut down the schools and colleges. Remote learning modalities were implemented as an emergency response, and as the pandemic has evolved so too have education responses, he said. VC Renu Jain said that learning is a lifelong process of keeping abreast of change. There is a need to bring in innovation in education policy by responding appropriately to the changing time. Researchers and Educationalists have to strive hard in this direction to make education more student centric and asked the teachers to have a positive approach towards the students. Keynote speaker Dr. D. N. Sansalwal also spoke in this regard.



  
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## SUSTAINABLE DEVELOPMENT ACTIVITY:


### 8. BIOGAS PLANT

At GBYSSM, the biogas plant is installed in the campus. The waste generated is collected and fed into the biogas plant. Biogas refers to a mixture of different gases produced after the breakdown of organic matter in the absence of oxygen. It is produced by anaerobic digestion with methanogen or anaerobic organisms, which digest material inside a closed system, or fermentation of biodegradable materials. The raw materials such as agricultural waste, manure, municipal waste, plant material, sewage, green waste or food waste etc from the campus is collected and dumped into the plant. It is a renewable energy source and, in many cases, exerts a very small carbon footprint. Biogas is primarily methane (CH<sub>4</sub>) and carbon dioxide (CO<sub>2</sub>) and may have small amounts of hydrogen sulfide (H<sub>2</sub>S), moisture and siloxanes. The plant helps to maintain the campus green and clean and leads to sustainable practices in the campus.

### 9. BIO COMPOST

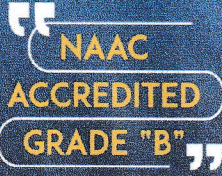
At GBYSSM bio Composting of organic waste is practiced exclusively. An essential part of waste management system is set up in the campus. Bio-composting Project of the college was initiated by the "Go Green Club" at GBYSSM. The objective of the project at the college is to convert waste into a useful resource. The waste (flowers, dry leaves etc.) which otherwise were thrown in the dustbin are now converted into a nutrient rich manure which can be used as a fertilizer for the plants and green campus. The compost pits has been constructed at the back side of the college near canteen. The college waste is being processed in compost pit. Periodically compost was dried, sieved and analyzed in the for its basic parameters like pH and water holding capacity and nutrient value like Carbon, Nitrogen, Phosphorus & Potassium. The analyzed compost is then circulated in the campus for gardening and other purposes.



  
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**The objectives of the Bio composting project are as follows:**

- To help initiate and contribute towards Green Campus
- To prevent sending of waste on dumping ground
- To convert biodegradable waste into valuable resource for the campus itself
- To inculcate waste management practices among students and stakeholders


## 10. RAIN WATER HARVESTING

Rainwater harvesting is an important environment friendly approach for sustainable environment. It helps to maintain the groundwater level. This green practice at GBYSSM helps to encourage Go Green Environmental practices. This practice at GBYSSM helps the rainwater and run-off water from the outlets and terse to be stored in a planned way. It also helps to save the earth from soil erosion and flood and recharge the aquifers to increase the groundwater level.

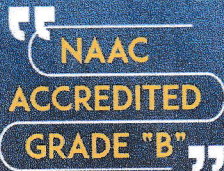
**The Objectives of Rain Water Harvesting are as follows:**

- To increase recharge of groundwater by capturing and storing rainwater, by rainwater harvesting from rooftop run-offs.
- To store the water for gardening & washing purpose.
- To help balance water levels in and around the campus



  
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## 11. SOLAR ENERGY: PANELS INSTALLED TO SAVE ENERGY

Energy Audit was carried out at GBYSSM in order to establish efficiency levels and identifying potential areas of improvement in energy consumption. The solar panels installed at the rooftop of the college helps to reduce the electricity consumption and aid with solar energy produced from the panels installed

The cost benefit analysis of various energy conservation proposals enables managements to take decisions regarding implementation schedules. Here we are concerned about alternate energy as well as present use of energy. Thus, Alternate Energy initiatives such as Solar System are installed in campus of GBYSSM. This is one of the innovative practices initiated by the college which helps built a sustainable environment in and around the campus. These practices also help students and staff to learn about various sources of energy.



  
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