

Best Practice-1

Title: Development of E-content and use of online platforms for teaching learning

Objective: To provide knowledge and understanding of the subject to students of not only our but the students of other colleges too.

Context: During Covid-19 it was needed to reach our students online. So the efforts were made to develop E-Content in form of Video lecture and text. These e-contents made available on Digital Library of Higher Education U.P. So that students of not only our college but also the students of other colleges can also get benefitted. Once the students get exposure to online platform we decided to enhance the use of online platform so that teaching would not suffer by pandemic condition. Our Government colleges are situated generally in rural areas and students belong to economically poor section. So they can not afford higher internet bandwidth for online classes. But to combat the COVID situation, it was necessary to use online platforms. We have taken Microsoft Teams subscription and teachers started blending mode of teaching. Recording of these classes are made available on their whatsapp group so those who are not able to join online class can able to see recordings in the mobile phones of their Kith and Kin.

The Practice: Faculty members prepare e content and upload it on the digital library created by U.P. Higher Education. These e-content can be easily searched by the students and downloaded.

The College has taken Microsoft Teams subscription and teachers have shifted towards blending mode of teaching and learning process. Besides Microsoft Teams faculty members also use other online teaching learning platform like ZOOM and Google meet. Recording of these classes are made available on their whatsapp group so those who are not able to join online class can be able to see the recordings. IQAC ensures that every faculty member completed his/her course on time during prevailing pandemic situation and even after that by creating a google form link where teacher send details of online classes taken by them.

Time to time teachers took internal assessment through google form and socartive so that they remain updated with student progress in respective subjects.

Evidence of Success: 469 E-contents developed by the faculty members and uploaded on Digital Library. Now every student of Uttar Pradesh can search content either by concerned subject or by concerned faculty name. The College is recognized as the 3rd top college who has uploaded maximum e-content uploaded in digital library of Higher Education, U.P.

<http://www.kngpgc.ac.in/teach&learn.php>

Blended mode of learning is now more popular among our students as this methodology help to complete course on time even though the colleges were closed due to COVID.

<https://docs.google.com/spreadsheets/d/16y1L0dMeue0-EFAnVcwaVaUA8i0gOd6oGL4JgD4ugX4/edit#gid=107952967>

<https://docs.google.com/spreadsheets/d/1z4DEu1ErKAmNc2bKNhKgvinM5jelZNeh-3-y8oJUB58/edit#gid=499272322>

6. Problems encountered and resources required:

As the institution is situated in rural area, all the students are not much familiar with the use of digital library. To popularize these e content, students awareness workshop for importance of digital library is required.

As our 50% students belong to economically weaker section, it is not an easy task to use online platforms.

The distribution of smart phones/tablets by the State Govt. of U.P. to our college students is a hope in future!

Best Practice-2

Title: Imbibing the culture of Innovation and Entrepreneurship through Institute Innovation Council

Objective: To create an awareness of Innovation and Entrepreneurship culture.

Context: K.N. Govt. PG College is one of the biggest Government college of U.P. where every year about 6000 students take admission. 90 percent of them belong to rural area and have a hub of innovative ideas. As these students experiences lack of resources, to overcome these situations they have alternative innovative ideas. To channelize their idea, college has established Institute Innovation Council in 2018 under the guidance of Innovation cell of Ministry of Education, India.

The Practice: With the beginning of this council, a no. of awareness programme related with the innovation and entrepreneurship were organized. Students and faculty members were motivated to be part of these programmes. With every passing year, this council become more strengthened.

The workshop/seminars were organized on the following topics-

Cognitive Skill Development and IPR	Institution Innovation Council	20/12/2018
Intellectual Property Rights	Institution Innovation Council	20/12/2018
How to deal with failure (Live session of India First Leadership Talk Episode 01)	Institution Innovation Council	08/01/2019
Workshop on Intellectual Property Rights (Live session)	Institution Innovation Council	10/01/2019
Planning for Career (Live session India First Leadership Talk Series, Episode 02)	Institution Innovation Council	24/01/2019
Art of Decision Making (Live session India First Leadership Talk Series, Episode 03)	Institution Innovation Council	19/03/2019
Future of Technical Education in India (Live session India First Leadership Talk Series Episode 04)	Institution Innovation Council	03/05/2019

IIC activities were going on continually but due to corona pandemic stopped these. Then innovation cell of Ministry of education decided to organize rest of the activities online. As a result **17 online e-sessions** were organized by them and our students and faculties participated with same enthusiasm as in offline mode. During these sessions, they learn how to think critically, how to identify right problem with its right solution, business model canvas and how to file IPR. A brief description about these sessions are as follows-

- Role and importance of Pre-Incubators and Acceleration in HEIs
- Hangout with emerging innovator and entrepreneurs supported through MIC and AICTE
- Innovation Risk Diagnostic- Product Innovation Rubric (PIR)
- Role of Network Enablers in Driving I &E in HEIs-A case of TiE,India
- Hangout with successful start-up founder and learn design thinking approach for hardware innovation
- Entrepreneurship Business Idea and Business Model Canvas
- How to identify real problem and solution using the Double Diamond Approach in design
- Intellectual Property Management at early stage of Innovation and start up.
- Legal and Ethical steps- Productive Entrepreneurship and Start-up
- Innovating Self-Screen and Identify Right Opportunity
- Use of Market data application of marketing research tools and methodology-advance level
- Frugal Innovation and Social Entrepreneurship

A workshop on **National innovation and Start-Up Policy** was organized on 9th January 2020 along with a two-day National conference on “Innovative Approaches towards Sustainable Development”. It was a great opportunity for faculties and students from different colleges and universities to aware with national innovation and start-up policy. The resource persons Prof. R.K. Singh, Head Department of Entrepreneurship, SMS, Varanasi and Prof. P. K Mishra, Co-Ordinator, Malviya Centre for innovation, Incubation and Entrepreneurship, BHU, Varanasi throw light on National Innovation and Start-Up Policy. The workshop ends with vote of thanks given by IIC Convener Dr. Kalpana Awasthi.

As we are implementing the New education policy from 2021-22, a session on NEP organized under the aegis of IIC Driven activities throw a light on the orientation of curricula towards innovation and start-up. The important points that were discussed are as follows-

1. NEP enables students to be industry ready at a much earlier age. Undertaking industrial taking and internship while still in school enrich students in term of not just industry – specific skill but life skill as well.
2. Creativity, innovation and entrepreneurship remain at the heart of the Policy.
3. A multi-disciplinary approach that eases the divide between arts, science and technical colleges is a welcome move to prepare students for jobs in the future.
4. The focus of the framework is to allow flexibility to students to select their field of study that aligns with their area of interest.
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Every year IIC organizes a field visit for students in nearby areas so that they can identify local problems as well as get their innovative solutions. This year the field visit was made on 11th December 2021 where the student and faculty visited the nearby market and rural area and interacted with different peoples. Students asked question from roadside bookstaller and made a discussion about raising price of papers. They asked questions from Mahila Police that if they face any problem in communicating messages from crime scene to their nearby police station. They asked questions from shopkeeper that what challenges they faces during Covid period.

Evidence of Success:

No. of innovative ideas submitted to our IIC is increased every year. In the year 2018-19, our two students namely Md. Mushfique Khan and Vikash Pandey participated in National Level proof of concept competition that was organized at New Delhi. After that 3 more ideas were selected for further prototype level. These ideas were **Face Sanitizer submitted by Mohd. Mushfique Khan, M.Sc. III rd Semester, Botany, Earhealer and Farmer's Music by Mr. Ritesh Srivastava, M.Sc. III rd Semester, Botany,**. Their prototype were submitted by IIC in National Innovation Contest 2020. **It's a matter of pride for our IIC that out of 3, two prototype Face sanitizer and Earhealer were selected by innovation cell for further level mentoring.**

At the end of this IIC session, innovation cell of ministry of education announced list of Innovation ambassadors. These are those faculty members and students who completed all the 17 e- sessions and also participated in online exam after end of each session. Once again, our IIC team made proud to our college as 7 faculty members namely **Dr. Kalpana Awasthi, Dr. Mahendra Tripathi, Dr. Jai Singh Yadav, Dr. Manoj Vishwakarma, Dr. Manisha, Dr. Suman Gupta, Dr. Ravindra Kumar** and 11 students were selected as Innovation Ambassadors. In the year 2021-22, the four Innovation ambassador namely **Dr. Rashmi Singh, Dr. Mahendra Tripathi, Dr. Suman Gupta and Dr. Jai Singh Yadav** completed the advance level training of Innovation Ambassador organized by Innovation cell of Ministry of education.

In the year 2021-22, our IIC also **mentors the different colleges for establishment of IIC** at their Institute. IQAC of Chandrakanti Ramavati Devi Arya Mahila P.G college, Gorakhpur organized an online session on Nurturing Innovation and Entrepreneurship culture in HEI'S through Institute Innovation Council on 01 May 2022. Dr. Rashmi Singh was the speaker of that programme.

Our efforts were recognized by Innovation Cell of Ministry of Education and we received 3.5 star from last 2 years constantly also success of our IIC reflect when we received Performer band tag in Atal Ranking of Institute on Innovation achievements.

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

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6. Problems encountered and resources required:

- As the College is in rural area the girl students inspite of having innovative ideas are not participating in idea submissions process.
- If the student idea needs to be incubated our district doesn't have any incubation center. we have to go either BHU, Varanasi or MNIIT, Prayagraj.
- The College also needs to formulate National Innovation and Start-up policy.