



No. Admission/

March 5, 2018

NOTIFICATION

The Vice-Chancellor has constituted a Committee to discuss and make recommendation for conducting JNU Entrance Examination 2019-20 completely online. The members of the Committee are as under :

| | | | | |
|-----|----------------------------------|---|---|------------------|
| 1 | Por. Deepak Gaur, SBT | • | - | Chairperson |
| 2 | Prof. Bindu Puri, SSS | • | - | Member |
| 3 | Prof. K. Natarajan, SLS | | - | Member |
| 4 | Prof. Girishnath Jha, Dean, SSIS | | - | Member |
| 5 | Prof. T. V. Vijay Kumar, SC&SS | | - | Member |
| 6 | Prof. Anirban Chakraborti, SCIS | | - | Member |
| 7 | Prof. Rajiv Saxena, SLL&CS | | - | Member |
| 8. | Dr. J. K. Tripathi, SES | | - | Member |
| 9. | Dr. Ravikesh, SLL&CS | | - | Member |
| 10. | Dr. Anuja, SSS | | - | Member |
| 11. | Dr. Krishnendra Meena, SIS | | - | Member |
| 12 | Mr. Sanjeev Kumar, Director, CIS | | - | Member Secretary |

The Committee shall examine various dimensions for making Entrance Examination 2019-20 completely online and submit the recommendation to the Competent Authority at the earliest.

M.K. Pachauri
6/3/18

(M.K. Pachauri)
Joint Registrar (Admissions)

To
All concerned.

CC:

1. OSD to Vice-Chancellor
2. PS to Rector-I/Rector-II/Rector-III
3. Dean of students
4. All Deans of School of Studies
5. All Chairpersons of Special Centres.
6. All Chairpersons of Centres of Schools
7. Registrar
8. Finance Officer
9. Director of Admission
10. Controller of Examination
11. E office Notice.

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**Recommendations of the
Committee for conducting
the JNU Online Entrance
Examination 2019-20**

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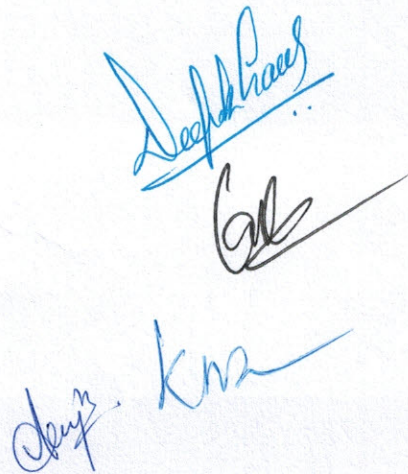
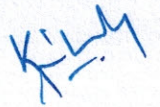
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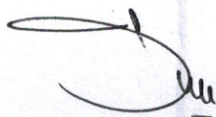
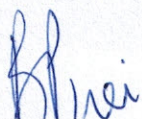
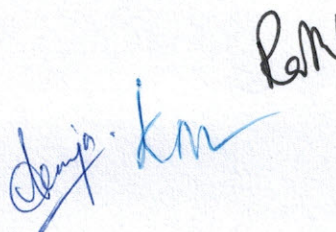
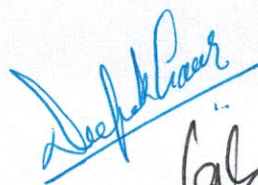
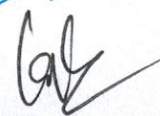
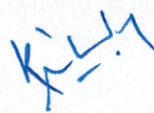


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List of Committee Members

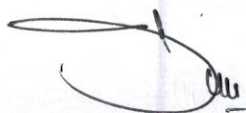

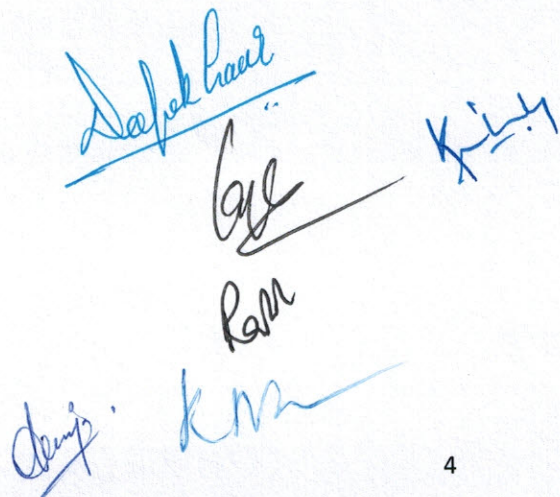
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|-----|----------------------------------|---|------------------|
| 1. | Prof. Deepak Gaur, SBT | - | Chairperson |
| 2. | Prof. Bindu Puri, SSS | - | Member |
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| 11. | Dr. Krishnendra Meena | - | Member |
| 12. | Mr. Sanjeev Kumar, Director, CIS | - | Member Secretary |

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I. An analysis of the current offline JNU entrance examination system

- At present, university conducts exams for 169 academic programs in offline mode in 72 centres spread across 54 cities.
- However, all student applicants submit their application forms online for their respective programs.
- Faculty & Support Staff are deputed from all schools/centres and administration of our university for entrance examination duties at different centres across the country.
- Question papers and answers sheets are carried in trunks by the support staff, who all travel primarily by train (exception of air travel is where connectivity is an issue as per Govt of India rules).
- A number of exams are OMR sheet based so evaluation is already automated in the existing admission process.
- A larger number of exams have a component of written skills that are evaluated by JNU teachers from the respective centres and schools.
- The responsibility of maintaining the sanctity of the evaluation process in terms of preservation of the answer sheets that undergo a subjective evaluation is also a challenge.
- This process is quite tedious, lengthy and time consuming

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II. Definition of Online Mode of Examination

- Online mode of examinations are computer based exams that are conducted at designated centres that have the adequate facilities of a large number of computer terminals, servers, internet connectivity and other related infrastructure.
- Conducting an Online entrance exam does not mean that the applicant will appear in the exam from his home using his own personal internet connection. He/she has to come at the opted exam centre (approved by the university) for appearing in the online examination as per the schedule of JNU entrance examination.
- Offline exams are conducted over a large number of Kendriya Vidyalayas centres across the country. Similarly, a large established network of centres exists for conducting computer based online exams across the country.
- A number of expert service providers exist in the country that conduct these online examinations for different academic institutions and government agencies.
- Some major examples of entrance examinations of national academic institutions that are held in an online mode are as follows:
 - (i) IIT-JEE Mains Entrance Exam
 - (ii) IIT-JEE Advanced Entrance Exams
 - (iii) GATE
 - (iv) AIIMS MBBS Entrance Exam
- Pondicherry University conducts its entrance and internal examinations for all its courses in a completely online mode.





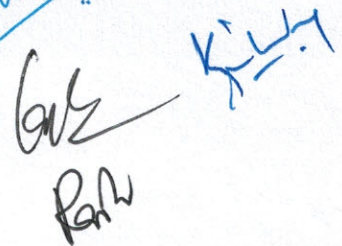
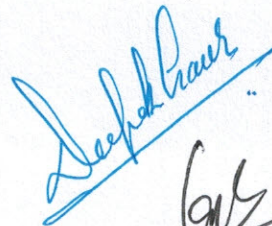
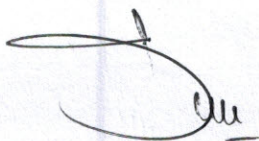





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III. Benefits of transitioning from offline to online mode of examination for JNU

- Online exams provide for a comprehensive, secure and efficient evaluation.
- Brings objectivity in evaluation and removes subjectivity in analysis
- Easy to use for the student applicant and evaluators
- Highly Secure and Accountable
- Reliable platform that does not require a continuous internet connection during the exam
- Transparent with continuous monitoring of the exams in progress
- Saves time and money of both university and students.
- Minimize man hour losses to the university in terms of deputing faculty and support staff to the various centres spread across the country
- Overall an accurate and efficient system for evaluating a large number of students
- A paperless effort that would highly contribute towards the e-governance initiative of the university.

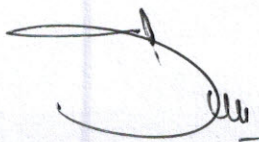



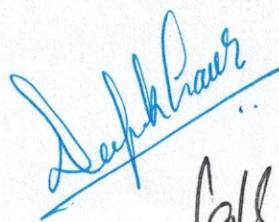
III. Challenges and Solutions for transforming from Offline to Online Mode of Examination

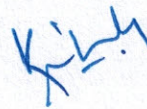
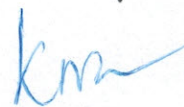
- For the streams where the examination pattern has been MCQ and answer sheets are OMR based, there are really no major challenges
- Major challenge would be to tackle the exam papers that have a mixed mode pattern that has a component of written skills that need to be analyzed especially at the PhD/M.Phil stage.

Suggested Solutions for the Administration:

1. In consultation with the respective schools and centres, the examination pattern be changed permanently to an analysis of domain knowledge that will be based on MCQs with no written skills or subjective question involved.
2. If the schools or centres feel that a subjective analysis of written skills is a must then such an evaluation could be done during the interview round when the qualified or shortlisted candidates from the online exam visit JNU, New Delhi.

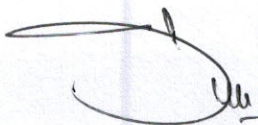


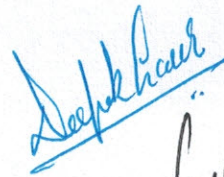




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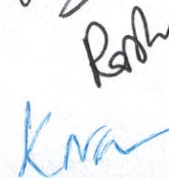
IV. Feasibility of conducting online examination for a large University such as JNU and availability of adequate infrastructure?

- Several national examinations are currently being successfully conducted through an online mode, e.g. IIT-JEE, GATE, etc.
- The Chairperson of the Committee and some members had meetings and site visits to certain service providers to convince themselves of the feasibility of the online exam system. Their experience and observations were reported to the Committee and discussed.
- Thus, the necessary infrastructure to conduct an online examination at a scale of approximately one lac student applicants is feasible.
- The examination would be held in designated centres that are equipped with computer terminals and other infrastructure for each student as well all the necessary facilities of internet access, server networks etc.
- The online entrance examination would have objective type questions prepared by the respective schools/centres.
- The entrance examination can be conducted in 3-4 shifts to reduce the cost and operations overheads.
- The concerned departments will be responsible for the process of conducting and implementing the online entrance examination. However, the task of holding test and declaring of results would be done by engaging an outsourced agencies as per the university process and guidelines. The outsourced agency will operate under the strict supervision of the university.







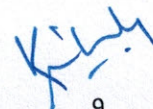
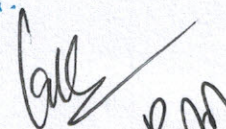
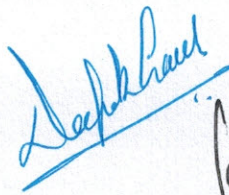
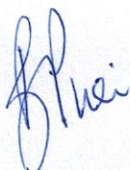


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V. Final Recommendations

Based on the above deliberations and analysis, the committee unanimously framed the following recommendations:

1. JNU should completely adopt the online mode of entrance examination with Multiple Choice Questions (MCQs) for all 169 examinations held for all schools and centres.
2. All schools and centres that conduct subjective analytical examinations should change their examination pattern to an analysis of domain knowledge based on MCQs only.
3. The online platform allows for the design of a variety of MCQ based questions..
4. Subjective evaluation could also be achieved by formulating comprehensive questions that would test the analytical ability of the student to comprehend text and process information.
5. If the schools or centres feel that a subjective analysis of written skills is a must then such an evaluation be done during the interview rounds, when the qualified or shortlisted candidates from the qualifying online exam visit JNU, New Delhi.
6. The online entrance examination be implemented from the next academic session starting in July 2019 for which the entrance exams will be held in December, 2018.
7. The online examinations should be conducted in all the existing cities that currently host the offline exams, and if possibly even more, to ensure that the new system would encourage students from far and wide to compete to truly represent the national character of the top-ranked University.
8. The successful execution and implementation of the online entrance examination would entail the services of a third party vendor/s with the requisite expertise and experience in conducting online exams.
9. The online mode of examination does present its own technical glitches and challenges. Thus, the university should take into account all such instances and develop a system that is more robust and safe including the maintenance of secrecy of the questions and answers.



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10. However, considering the intensive process of selecting a suitable service provider and ensuring a glitch-free system, the administration may consider conducting the transition towards the online mode of examination in a phased manner.
11. A phased approach would mean that few entrance exams for specific schools (e.g. for all science schools) be conducted first in an online mode in December 2018 for the 2019-20 session. The goal would be to transition completely for all online entrance exams in December 2019 for the 2020-21 session.
12. The details for the approach and implementation of the online examinations such as time-lines, examination centres, deputation of teachers/staff etc. would be worked out after in-principle approval by the Competent Authority.

BP

Deepak

AS

Kishu

Ram

Shyam

U

Office of Director CISONLINE JNU ENTERANCE EXAMINATIN 2019-2017th May 2018Meeting to be held on 17th May 2018 at 3:30 PM in room no 114 B, Admn Block.

| Sr. no | Name | Signature |
|--------|-----------------------------------|-----------|
| 1 | Prof. Deepak Gaur, SBT | |
| 2 | Prof. Bindu Puri, SSS | |
| 3 | Prof. K Nataranjan, SLS | |
| 4 | Prof. Girish Nath Jha, Dean, SSIS | |
| 5 | Prof. T V Vijay Kumar, SC&SS | |
| 6 | Prof. Anirban Chakraborti, SCIS | |
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| 12 | Mr. Sanjeev Kumar, Director CIS | |
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JAWAHARLAL NEHRU UNIVERSITY

Minutes of the Deans and Chairpersons Meeting Held On May 28, 2018

A meeting of all Deans and Chairpersons was called by the Vice-Chancellor and Rector-1 to discuss the recommendations of the committee to conduct the JNU online entrance examination on May 28, 2018 at 4 pm.

The following members attended:

1. Prof. M. Jagadesh Kumar, Vice-Chancellor
2. Prof. Chintamani Mahapatra, Rector-I
3. Prof. S. C. Garkoti, Rector-II
4. Prof. Rana P. Singh, Rector-III
5. Prof. Kavita Singh, Dean, SAA
6. Prof. Ajay Patnaik, Dean SIS
7. Prof. Shyamal Goswami, Dean, SLS
8. Prof. Amita Singh, Chairperson, SCDR
9. Prof. Gobardhan Das, Chairperson, SCMM
10. Prof. Rupesh Chaturvedi, Director, R&D
11. Prof. Pradipta Chakrabarti, Dean, SSS
12. Prof. Bijoy Kumar Kuanr, Chairperson, SCNS
13. Prof. Prof. Andrew M Lynn, Dean, SCIS
14. Prof. Satyabrata Patnaik, Dean, SPS
15. Prof. Girish Nath Jha, Dean, SSIS
16. Prof. Krishnendu Ghosh Dastidar, Dean, SME
17. Prof. Amita Singh, Chairperson, SCL&G
18. Prof. A. Basheer Ahmed, Representative of Dean SLL&CS
19. Dr. Ravikesh, Chairperson, SCEL

Online Committee Members:

1. Prof. Deepak Gaur, SBT
2. Prof. Bindu Puri, SSS
3. Prof. K. Natarajan, SLS
4. Prof. Girish Nath Jha, SSIS
5. Dr. Ravikesh, SLL&CS
6. Dr. Anuja, SSS
7. Dr. Krishnendra Meena
8. Mr. Sanjeev Kumar, Director, CIS

Minutes:

1. Prof. Chintamani Mahapatra welcomed all members and apprised every one of the constitution of the online examination committee to explore and make recommendations for transitioning the JNU entrance examination to an online mode of examination.
2. He further explained that the current meeting is to sensitize all Deans and Chairpersons of Special Centres on the recommendations of the online examination committees (Annexure-I) and discuss them amongst all members.
3. A presentation was made to the members outlining all the deliberations of the committee in which the following aspects were reported:
 - (i) Analysis of the Current JNU Entrance Examination System
 - (ii) Definition of Online Mode of Examination
 - (iii) Benefits of Online Examination System
 - (iv) Challenges and Solutions for transforming from Offline to Online Mode of Examination
 - (v) Feasibility of conducting online mode of examination
 - (vi) Final Recommendations
4. An online mock test was also demonstrated to all members to give an idea as to how an online examination is conducted.
5. Based on the detailed deliberations, all members agreed to the following:
 - (i) JNU adopt the online mode in the entrance examination for all the academic programmes from 2019-20 onwards.
 - (ii) The online entrance examination for 2019-20 academic session will be held in December 2018.
 - (iii) The admission to all the programmes other than M.Phil and Ph.D., would be solely based on the online examination results.
 - (iv) As per UGC norms for M.Phil and Ph.D. admissions, there shall be a weightage of 70% to the online entrance test and 30% to the performance in the interview/viva-voce.
 - (v) Out of 30 marks, the weightage of the subjective test and Interview may be determined by Schools/Centres.
 - (vi) For schools and centres that wish to incorporate a subjective analysis of written skills, a short written examination would be conducted in JNU, at the time of the interviews when the shortlisted candidates would visit JNU.

- (vii) JNU is embarking on a new online entrance examination initiative and based on our first experience in December 2018, the approach and mode of examination would be discussed further not only to improve the admission process, but also to find better and new ways from the service vendors for incorporating subjective analysis within the online entrance examination in the subsequent academic years to follow.
6. Prof, Ravikesh presented to the members the plans for implementing e-learning degrees.

The meeting ended with the Chair thanking all members.



JNU ONLINE ENTERANCE EXAMINATION MEETING

28th May 2018

A meeting to be held on 28th May 2018 at 4:00 PM in room no 225, Admn Block.

| Sr. no | Name | Signature |
|--------|---------------------------|-----------|
| 1. | Prof. Deepak Gaur | |
| 2. | Prof. Girish Nath Thakur | |
| 3. | Prof. K. G. Dattidau, SME | |
| 4. | Ajay Patnaik, SIS | |
| 5. | Bijay K. Kumar, SCORC | |
| 6. | Samant Kumar | |
| 7. | A. Basu Anand SLVES | |
| 8. | K. Natarajan | |
| 9. | Andrew Lynn | |
| 10. | KRISHNENDRA MEENA | |
| 11. | ANUJA | |
| 12. | Pradipta Chandhury | |
| 13. | Yashwanth Reddy | |
| 14. | Kavita Singh | |
| 15. | S. C. Garkoti | |
| 16. | R. P. Singh | |
| 17. | C. Mahapatra | |
| 18. | M. Jagadeesh Kumar | |
| 19. | Rupesh Chaturvedi | |
| 20. | Sanjeev Kumar, CIS | |
| 21. | Bhadrin Puri | |
| 22. | Anita Singh | |
| 23. | Satyabrata Pattnaik | |