

TSCOST-DBT sponsored FACULTY DEVELOPMENT  
PROGRAMME, Skill Vigyan Initiative

# ANIMAL CELL LINE TECHNOLOGY



March 7th-17th, 2022

## COORDINATORS

Dr.A.UMA  
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Registration Link

<https://forms.gle/xFKiHegynGHHjddf9>

Last date for registration- March 5<sup>th</sup> 2022

## Topics to be covered

- Cell culture terminology
- Layout of the cell culture laboratory
- Designing mammalian cell culture medium
- Routine maintenance of cell cultures
- Separation of viable cells from explants culture
- Cell counting & viability assay
- Cryopreservation of cells

### Topics for Hands on session

Topic
Basic cell culture concepts and terminology
Aseptic techniques and introduction to equipment used in animal cell culture lab
Sterilization of labware.
Cell Culture media: types and components, supplements
Preparation of basic media, sterilization and storage
Sterility testing of prepared media
Procurement of cultures from cell culture bank
Cell culturing from established cultures
Cell culturing from explants, handling
Disaggregation techniques and types
Monitoring the cells and change of media, tips on handling and maintaining records
Passaging , Subculturing of cells- trypsinization
Separation of viable cells from explants cultures, their transfer and maintenance
Cell counting and Cell viability assay
Cytotoxicity assay
Important considerations for successful cryopreservation and handling of instruments used for preservation
Preservation of cell cultures- short-term preservation; Long-term cryopreservation of cell cultures

## CO-COORDINATORS

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## PHARMACY COUNCIL OF INDIA

(Constituted under the Pharmacy Act, 1948)

E-MAIL : registrar@pci.nic.in  
WEBSITE : www.pci.nic.in  
TELEPHONE : 011-61299901,  
: 011-61299902,  
: 011-61299903,

NBCC Centre, 3<sup>rd</sup> Floor,  
Plot No.2, Community Centre  
Maa Anandamai Marg  
Okhla Phase I  
New Delhi – 110 020

### Circular

14 JAN 2022

Ref No. 10-1/2020-PCI / 6585

To all Institutions (D.Pharm, B.Pharm, Pharm.D) approved by PCI –

- u/s 12 of the Pharmacy Act, 1948
- conduct of course.

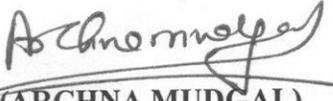
**Sub: Language learning initiative under Ek Bharat Shreshtha Bharat Program of Ministry of Education-reg.**

Sir/Madam,

With reference to the subject cited above, please find attached herewith the Letter No. Z-28015/43/2021-Estt.-I dt.11.12.2021 as received from the Ministry of Health & Family Welfare alongwith its enclosures. The same is self explanatory.

You kind support is solicited in the matter.

Yours faithfully

  
(ARCHANA MUDGAL)

Registrar-cum-Secretary

No. Z-28015/43/2021-Estt.-I  
Government of India  
Ministry of Health & Family Welfare  
Department of Health & Family Welfare

Nirman Bhawan, New Delhi.  
Date 11/12/2021

**OFFICE MEMORANDUM**

**Subject: Language learning initiative under Ek Bharat Shreshtha Bharat programme of M/o Education – reg.**

The undersigned is directed to refer to D.O. letter dated 04.12.2021 (copy enclosed) received from Ministry of Education on the subject cited above forwarding therein link for the **Bhasha Sangam** and **Quiz Game** apps designed to help people acquire basic conversational ability in languages other than one's mother tongue.

2. You are requested to participate in the initiative by using the said apps to learn languages other than one's mother tongue and make **Ek Bharat Shreshtha Bharat** programme as well as **Azadi Ka Amrit Mahotsav** programme a huge success.

Encl.: As above

Digitally Signed by K  
Venkatesan

Date: 11-12-2021 21:08:17

Reason: Approved

(K. Venkatesan)  
Under Secretary to the Govt. of India

Tel: 2306 3514

To

All officers/officials of Ministry through e-office portal.

क. सजय मूर्ति, का प्र से  
सचिव

K. SANJAY MURTHY, IAS  
Secretary

Tel. 011-23386451 23382698

Fax 011-23385807

E-mail secy.dhe@nic.in



सत्यमेव जयते

भारत सरकार  
Government of India  
शिक्षा मंत्रालय

Ministry of Education  
उच्चतर शिक्षा विभाग

Department of Higher Education

127 'सी' विंग, शास्त्री भवन, नई दिल्ली-11  
127 'C' Wing, Shastri Bhawan, New Delhi-11  
DO No. 11018/02/2019-EBSB

4<sup>th</sup> December, 2021

Dear Madam/ Sir,

I am writing to you in connection with a language learning initiative that this Ministry has undertaken under Ek Bharat Shreshtha Bharat programme as part of the Azadi Ka Amrit Mahotsav. You are probably aware that EBSB programme launched by Hon'ble Prime Minister seeks to promote bonding between people of diverse cultures across different regions of the country. Learning each others' language is an important part of building this bond.

2. In order to help people acquire basic conversational ability in languages other than one's mother tongue, this Ministry has launched a mobile app called Bhasha Sangam. This App has more than 100 sentences of common usage, both in text and audio format, in 22 Indian languages. People can learn these sentences, test themselves and generate online certificates. The app has been developed for both - Android and iOS platforms .

3. During the AKAM period we aim to teach 100 sentences in an Indian language other than ones mother tongue to at least 75 lakh people. In addition to the above, another mobile app - Ek Bharat Shreshtha Bharat Quiz app has also been launched. It is a fun way to learn about the different states of India.

4. The link for the two apps is shared below :

**Bhasha Sangam**

GooglePlaystore link: [https://play.google.com/store/apps/details?id=com.multibhashi.mygov.v.mygov\\_app&hl=en&gl=IN](https://play.google.com/store/apps/details?id=com.multibhashi.mygov.v.mygov_app&hl=en&gl=IN)

iOS AppStore link: <https://apps.apple.com/in/app/bhasha-sangam/id1580432719>

**Quiz Game App**

Google Playstore link: <https://play.google.com/store/apps/details?id=com.nazara.ebsbquiz>

5. Your cooperation is solicited for popularizing the two apps. among all officials & other stakeholders connected with your organization so that maximum number of people participate in this initiative. I request your personal intervention to encourage people to download and use the apps and make Ek Bharat Shreshtha Bharat as well as Azadi ka Amrit Mahotsav a huge success.

With regards,

Yours sincerely,

Secy. O/F  
AS(H)

(K. Sanjay Murthy)

Secretaries of all Ministries/Departments  
VCs / Directors of all CFHEIs



# PHARMACY COUNCIL OF INDIA

(Constituted under the Pharmacy Act, 1948)

**E-MAIL** : registrar@pci.nic.in  
**WEBSITE** : www.pci.nic.in  
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Plot No.2, Community Centre  
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NEW DELHI – 110 020

## Public Notice

15 MAR 2022

Ref.No.14-56/2021-PCI | 9564

1. The Hon'ble Supreme Court of India in its judgement dated 5.3.2020 in Transfer Petitions (Civil) Nos. 87-101 of 2014 between Pharmacy Council of India and Dr S K Toshniwal Educational Trusts and Others etc. has passed a judgement upholding that -

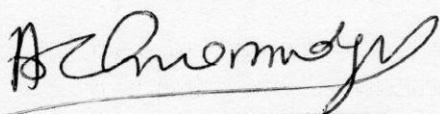
- a) the Pharmacy Act, 1948 shall only prevail with regard to recognition and / or approval of pharmacy courses / pharmacy institutions / intake capacity and degrees and diplomas in pharmacy.
- b) The norms and regulations set by the PCI and other specified authorities under the Pharmacy Act would have to be followed by the concerned institutions imparting education for degrees and diplomas in Pharmacy, including the norms and regulations with respect to increase and/or decrease in intake capacity of the students and the decisions of the PCI shall only be followed by the institutions imparting degrees and diplomas in Pharmacy.

The said judgement is available on Council's website [www.pci.nic.in](http://www.pci.nic.in)

2. Under section 12 of the Pharmacy Act, 1948, the Pharmacy Council of India (PCI) grants approval to pharmacy course(s) and examination for the purpose of registration as a pharmacist to practice the profession under the Pharmacy Act.
3. The PCI approves the following pharmacy courses under the statutory provisions of the following Education Regulations framed u/s 10 of the Pharmacy Act –

Name of Regulations	Name of course
The Education Regulations, 2020, for Diploma Course in Pharmacy.	Diploma in Pharmacy (D.Pharm)
The Bachelor of Pharmacy (B.Pharm) Course Regulations, 2014.	Bachelor of Pharmacy (B.Pharm)
The Pharm.D. Regulations, 2008.	Doctor of Pharmacy (Pharm.D)
The Master of Pharmacy (M.Pharm) Course Regulations, 2014.	Master of Pharmacy (M.Pharm)
The Bachelor of Pharmacy (Practice) Regulations, 2014.	Bachelor of Pharmacy (Practice) B.Pharm (Practice)

4. The statutory provisions of the above Education Regulations also clearly prescribe that no authority (person, institution, society trust or University etc.) shall start, conduct and/or increase admission to the pharmacy courses without prior approval of the PCI.
5. In pursuance of the above judgement and statutory provisions of the Pharmacy Act, 1948 and the Education Regulations framed thereunder, the concerned authorities be it pharmacy institutions / admission making authorities / examining authorities etc. are requested –
  - a) to strictly follow the norms and standards prescribed by the PCI for various pharmacy courses with regard to approval of pharmacy courses, approved intake etc. for the purpose of registration as a pharmacist under the Pharmacy Act, 1948.
  - b) ensure that no admission shall be made or intake be increased to any pharmacy course(s) without prior approval of the Pharmacy Council of India.
6. Please note that -
  - a) running of any of the above pharmacy course without prior approval of the PCI shall be in violation of the Pharmacy Act, 1948 and the passed out students will not be eligible for registration as a pharmacist.
  - b) the entire consequences for running unapproved course(s) and making excess admissions over and above the sanctioned intake shall rest on the concerned authorities and the PCI, in no way, shall be responsible for the same.
7. All prospective parents and students aspiring to pursue any course in Pharmacy for the purpose of registration as a pharmacist under the Pharmacy Act, 1948 should first ensure that the particular institution which they intend to join has been approved by the PCI for the conduct of the course of study/approved u/s 12 of the Pharmacy Act, 1948 and verify the admission number. The lists of such institutions is displayed on the official website of the Council, ([www.pci.nic.in](http://www.pci.nic.in))



**(ARCHNA MUDGAL)**  
**Registrar-cum-Secretary**  
**Pharmacy Council of India**



## PHARMACY COUNCIL OF INDIA

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NEW DELHI – 110 020

### Circular

F-2 MAR 2022

Ref.No.14-285/2021-PCI | 8903-07

To

1. The Registrar of all the State Pharmacy Councils.
2. All the State Governments / UTs.
3. All approved Pharmacy institutions conducting D.Pharm course.

Sub: Diploma in Pharmacy Exit Examination Regulations, 2022 – clarification regarding.

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Sir/Madam

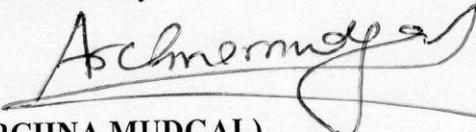
The Pharmacy Council of India (PCI) with the approval of the Ministry of Health and Family Welfare, Government of India has notified the “Diploma in Pharmacy Exit Examination Regulations, 2022” in Extraordinary Gazette of India, No.109, Part III - Section 4, dated 24<sup>th</sup> February, 2022.

In this connection, it is clarified that the PCI is in the process of finalizing the modalities for implementation of the “Diploma in Pharmacy Exit Examination Regulations, 2022” as per the said notification.

Till then the State Pharmacy Councils are requested to continue to register the passed out students as per the procedure already in vogue subject to compliance of conditions prescribed u/s 32(2) of the Pharmacy Act, 1948.

This is for information and compliance.

Yours faithfully

  
(ARCHNA MUDGAL)  
Registrar-cum-Secretary



# PHARMACY COUNCIL OF INDIA

(Constituted under the Pharmacy Act, 1948)

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Okhla Phase I  
NEW DELHI - 110 020

Ref.No.14-422/2022-PCI | 8933-36

3 MAR 2022

To all

1. State Pharmacy Councils.
2. Approved Pharmacy institutions.
3. Pharmacist Associations.
4. Fellow Pharmacists of the country.

**Subject: Request to celebrate the Diamond Jubilee of the Pharmacy Act, 1948.**

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Dear All,

Greetings.

You all are aware that the Pharmacy Act, 1948 was enacted on 4.3.1948 for regulation of Pharmacy Profession in India.

Post enactment of the Act, our Pharmacist community has been contributing its best to the society for the last 74 years. They have been crucial to the health of every Indian right from developing, manufacturing and distributing medicines besides giving required counselling to the patients to achieve the desired outcomes. Not only they have made the country self sufficient for its own requirement of medicines but India has been supporting many other countries also to achieve health for all. This would have not been possible without the untiring efforts of our Pharmacy professionals.

To celebrate their contribution to the mankind and 75<sup>th</sup> year of the Pharmacy Act, the Pharmacy Council of India has decided to celebrate this year as "Diamond Jubilee Year of the Pharmacy Act" starting from 4<sup>th</sup> March, 2022 till 4<sup>th</sup> March, 2023.

Hence all the stakeholders are requested to celebrate this diamond jubilee year with all the grandeur at their respective places. The Pharmacy Council of India will be organizing a National event on this occasion, dates for which will be announced in due course of time.

Looking forward to have active participation of every Pharmacist of the country in celebration of Diamond Jubilee Year.

With regards.

**ARCHANA MUDGAL**  
Registrar-cum-Secretary

Web : www.jntuh.ac.in  
E Mail : pa2registrar@jntuh.ac.in  
Phone : Off: +91-40-32422256  
Fax : +91-40-23158665



ACCREDITED BY NAAC



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
(Established by Govt. Act No. 30 of 2008)  
Kukatpally, Hyderabad – 500 085, Telangana, India

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Cir. No: JNTUH/UAAC/ BAS/2021/1

Date: 15-12-2021

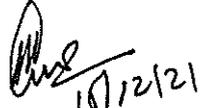
**CIRCULAR**

As per the ABAS report, it is found that a few Affiliated Colleges have not activated the ABAS devices / some Colleges only a few faculty members and PG Students are giving their Biometric attendance regularly.

In view of the above, all the Affiliated Colleges are hereby informed to ensure that your faculty members and PG Students mark the attendance through ABAS without any further delay. This would enable the University to furnish the details to the Social Welfare department for processing of ePASS scholarships for the A.Y.2021-22, as it is mandatory.

Further, the Colleges are already informed, if the ABAS devices are not activated a fine Rs. 20,000/- will be imposed per month and the University may initiate the punitive actions like Suspension / Withdrawal of Affiliation for existing programs or Rejection of Affiliation for ensuing Academic Year.

This is for your information and immediate action.

  
15/12/21  
**REGISTRAR**

To  
The Managements / Principals of all affiliated colleges of JNTUH.  
Copy to: PA to Vice-Chancellor / Rector / Registrar, JNTUH for information.

Phone: Off: +91-40-23152216  
Web : [www.jntuh.ac.in](http://www.jntuh.ac.in)  
E Mail:  
[manzoorjntu@gmail.com](mailto:manzoorjntu@gmail.com)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY  
HYDERABAD**

(Established by Govt. Act No. 30 of 2008)

**Kukatpally, Hyderabad – 500085, Telangana, India.**

**Dr. M. Manzoor Hussain**

M.Tech., Ph.D.,

**Professor of Mechanical Engineering &  
REGISTRAR**

Lr. No. DAPO/Online Classes – UG & PG/2022

Date: 13.01.2022

To

The Directors/Principals of Constituent and Affiliated Colleges of JNTUH

Sub: JNTUH, Hyderabad – Directorate of Academic & Planning – Commencement of Online Classes for UG & PG courses - Reg.

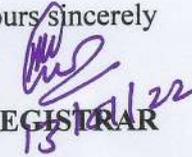
Ref: Note orders of the Vice-Chancellor dated. 13.01.2022

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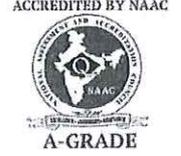
As per the directions of the University authorities all the Directors/Principals of Constituent and Affiliated Colleges of JNTUH are requested to conduct classes for all UG and PG courses in online mode from 17<sup>th</sup> – 22<sup>nd</sup> January 2022 in the following manner:

- (i) All UG/PG Courses (B.Tech./B.Pharm. I & II Years, M.Tech./M.Pharm. I & II Years, MBA/MCA I & II Years, Pharm.D, I, II, III, IV, V Years, Pharm.D. (PB) I & II Year) classes to be conducted in online mode.
- (ii) Mid exams scheduled for Pharm.D./ Pharm.D. (PB) II Years from 17<sup>th</sup> – 22<sup>nd</sup> January 2022 may be conducted during 2nd spell of instructions as per the convenience of the colleges.
- (iii) Coursework for Pharm.D. VI Year and Pharm.D. (PB) III Year is as per the schedule notified earlier.

Yours Sincerely

  
REGISTRAR

Phone: Off: +91-40-23156115  
Website : [www.jntuh.ac.in](http://www.jntuh.ac.in)  
E Mail: [dap@jntuh.ac.in](mailto:dap@jntuh.ac.in)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
(Established by Govt. Act No. 30 of 2008)  
Kukatpally, Hyderabad – 500 085, Telangana (India)

**Dr. M. Manzoor Hussain**  
M. Tech., Ph.D.,  
Professor of Mechanical Engineering &  
REGISTRAR

Lr. No. DAPO/Online Classes – UG & PG/2022

Date: 22.01.2022

To  
The Directors/Principals of Constituent and Affiliated Colleges of JNTUH

Sub: JNTUH, Hyderabad – Directorate of Academic & Planning – Continuation of Online Classes for UG & PG courses till January 30<sup>th</sup> 2022.- Reg.

- Ref: 1 University Lr. No. DAPO/Online Classes - UG & PG/2022, dated 13.01.2022.  
2 Lr. No. TSCHE/Govt. orders on extension of Holidays/2022, dated 16.01.2022 of the Chairman, TSCHE, Hyderabad.  
3 G.O. Rt. No.04 Education (PROG.II) Dept, dated 16.01.2022.  
4 Note orders of the Vice-Chancellor dated 22.01.2022.

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The Chairman, Telangana State of Higher Educational (TSCHE), Hyderabad has informed that in continuation of the G.O. Rt. No.1, Education (Prog.II) Dept., dated 04.01.2022, the Government of Telangana has issued further orders in the ref. (3) on extension of holidays to all the Educational Institutions, Private, Aided and Government in the State of Telangana except Medical Colleges till January 30<sup>th</sup> 2022.

The Chairman, TSCHE has requested all the Telangana State Universities to take further necessary action on postponement of examinations if any scheduled between 17.01.2022 to 30.01.2022 in all the educational institution under the jurisdiction of concerned universities.

In continuation of the University letter ref. (1) cited, the Directors/Principals of Constituent and Affiliated Colleges of JNTUH are requested to conduct classes for all UG and PG courses in online mode till January 30<sup>th</sup> 2022.

Yours sincerely

  
REGISTRAR  
22/01/22



# TELANGANA STATE COUNCIL OF HIGHER EDUCATION

(A Statutory Body of the Government of T.S.)

Opp: Mahavir Hospital, Mahavir Marg, Masab Tank, Hyderabad - 500 028.

Ph & Fax : 040-23331117

e-mail: secretarytsche@gmail.com, website : www.tsche.ac.in, www.tsche.cgg.gov.in



**PROF. R . LIMBADRI**  
**CHAIRMAN**

Lr.No.TSCHE/Govt. orders on extension of Holidays/2022 Dt.16.01.2022

To

The Vice-Chancellor of Telangana State Universities

Dear Sir/Madam

Sub: TSCHE- Government -Education Department of holidays to Educational Institutions- Further Order- Issued.

Ref: G.O.Rt.No.04 Education (Prog.II) Department, Dt.16.01.2022.

-oOo-

This is to inform that, Government of Telangana in continuation of the notification issued vide G.O.Rt.No.01, Education (Prog.II) Dept., Dt.04.01.2022 issued further orders on extension of holidays to all the Educational Institutions, Private , Aided and Government in the State Of Telangana Except Medical Colleges till January 30<sup>th</sup> 2022 vide reference cited.

Hence, all the Vice-Chancellors of Telangana State Universities, requested to take further necessary action on postponement of examination if any scheduled between 17.01.2022 to 30.01.2022 in all the Educational Institutions under the jurisdiction of concern universities

Thanks and regards

Prof. R. Limbadri

Copy to: The Registrars of Telangana State Universities- for information

GOVERNMENT OF TELANGANA  
ABSTRACT

Education Department - Declaring of holidays to Educational Institutions- Further Orders- Issued.

EDUCATION ( PROG.II) DEPARTMENT

G.O.Rt.No.4

Dated:16.01.2022

Read:

G.O.Rt.No.01, Education (Prog.II) Dept, Dated:04.01.2022

ORDER

The following notification is issued and shall be published in the extraordinary Gazette of Telangana State:

NOTIFICATION

In continuation of the notification issued vide G.O.Rt.No.01, Education (Prog.II) Dept, Dated:04.01.2022, Government hereby extend holidays to all Educational Institutions - Private, Aided and Government in the State of Telangana, except Medical Colleges till 30.01.2022.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

SANDEEP KUMAR SULTANIA  
SECRETARY TO GOVERNMENT

To

The Commissioner of Printing, Stationery and Stores Purchase, Chanchalguda, Hyderabad (He is requested to publish the above Notification in the next issue of Telangana Extra-Ordinary Gazette and to supply 05 copies to Government)

The Commissioner, Information & Public Relations, Telangana, Hyderabad.

All Special Chief Secretaries/Prl.Secretaries/Secretaries to Government concerned.

All the Heads of Departments concerned.

The Director General of Police, Telangana

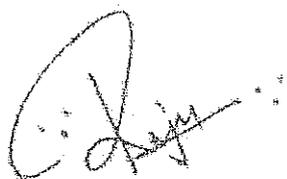
All the Collectors & District Magistrates

The PS to Chief Secretary to Government.

The PS to Hon'ble Minister for Education

SF/SC

//FORWARDED BY ORDER//



SECTION OFFICER