



Kisan Vidya Prasarak Sanstha's
Institute of Pharmaceutical Education, Boradi

5.1.3 capacity building and skill enhancement initiatives taken by the institution during Academic year 2020-2021

Event conducted Year	Name of events	Number of students enrolled
2020-2021	Kvps Institute Of Pharmaceutical Education Boradi is uses various ICT/ Computing skill for students in daily academics and students perform Practicals by using Various ICT Tools like simulation software Ex. X-cology , Ex- Pharm Series , EP Frog Heart ,Chemdraw 2.4 structure drawing software, Autodock 2.4 for molecular dockingsoftware	245
2020-2021	International webinar on topic carrier opportunitites in clinical research and future prospects	90
2020-2021	International Webinar on topic “Professional licensing procedures and Scope of Pharmacy in GCC Countries” by Dr. Mohammed shaheer Ali and Hisham Khalid	45
2020-2021	Internationjal webinar , introduction to pharma industry and overseas post graduation opportunities	56
2020-2021	Two days webinar on Theoretical and Experimental study for FT-IR and UV-VIS Spectroscopy by Dr.Girirajan R and Dr. Amol Bakre	60
2020-2021	One day webinar on powerful memorization techniques by Ashish kandalkar	56
2020-2021	Celebration of International Yoga day	10
2020-2021	Two day workshop on hands on training of HPLC in association with R.S.I.T.C Jalgaon	35



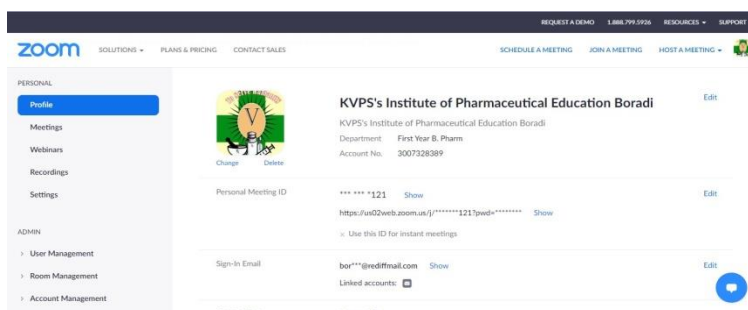
ACADEMIC YEAR: 2020-21

KVPS INSTITUTE OF PHARMACEUTICAL EDUCATION BORADI IS USES VARIOUS ICT/ COMPUTING SKILL FOR STUDENTS IN DAILY ACADEMICS

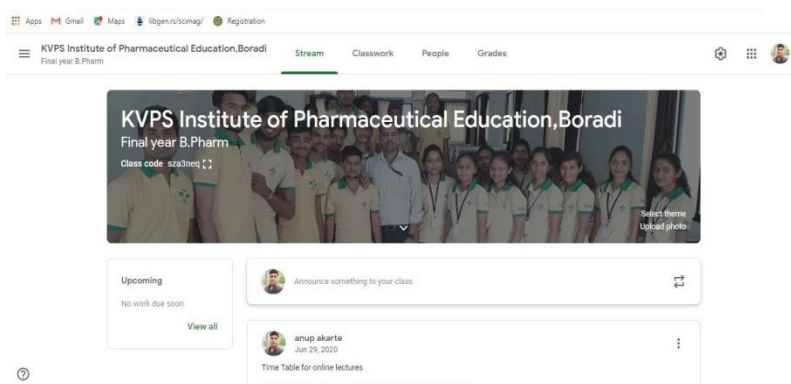
SR. NO.	ICT TOOLS
01	Zoom app
02	Google classroom
03	College management software system
04	Lcd projector
05	Smart boards
06	The simulation software
07	X-cology software for experimental pharmacology
08	Ex-pharm software
09	Chemdraw 2.4 structure drawing software
10	Autodock 2.4 for molecular docking
11	Delnet for online e –resources
12	Language lab software

Zoom app:-

Institute has its official Zoom app subscription for online lectures and Practicals. Providing an interactive platform whereby different forms of media- including photographs, videos, graphs, charts etc. are used for better understanding of the content. Zoom lecture of subject teachers are recorded and uploaded on institute website and You tube for reviewing to students. Two international webinars are also conducted through ZOOM app.

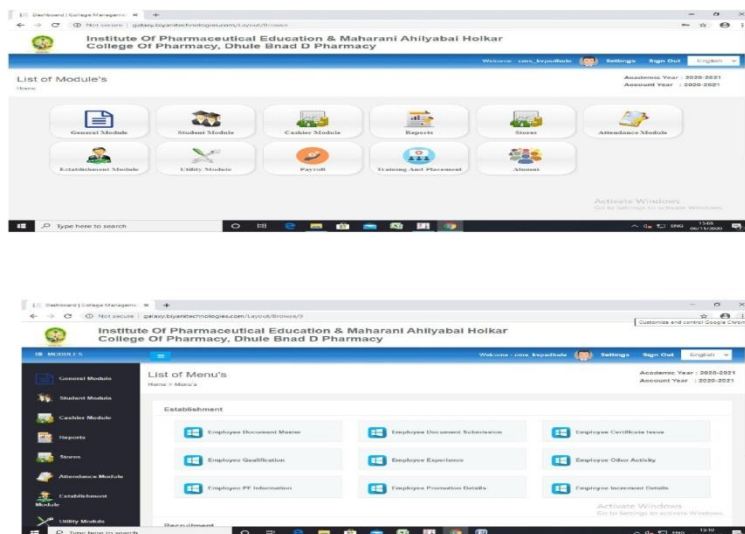


Google classroom:- is used by faculty members for providing notes, Question banks, MCQs. There is one Google classroom for each class. Quiz competitions are also conducted on respective topics.



College Management Software System :-

College Management Software System by Biyani Technologies is used by teachers. It consist of Attendance Module, Training and Placement Module and Alumini Module



Lcd projector and smart boards:-

The faculty members use LCD projectors in the class room for teaching using power point presentations. Two class rooms are equipped with SMART BOARDS and are used by faculty members providing an interactive platform whereby different forms of media- including photographs, videos, graphs, charts etc. are used for better understanding of the content.

1 / 1

• **Potentiometric titration** is a technique similar to direct titration of a redox reaction. It is a useful means of characterizing an acid. No indicator is used; instead the potential is measured across the analyte, typically an electrolyte solution.

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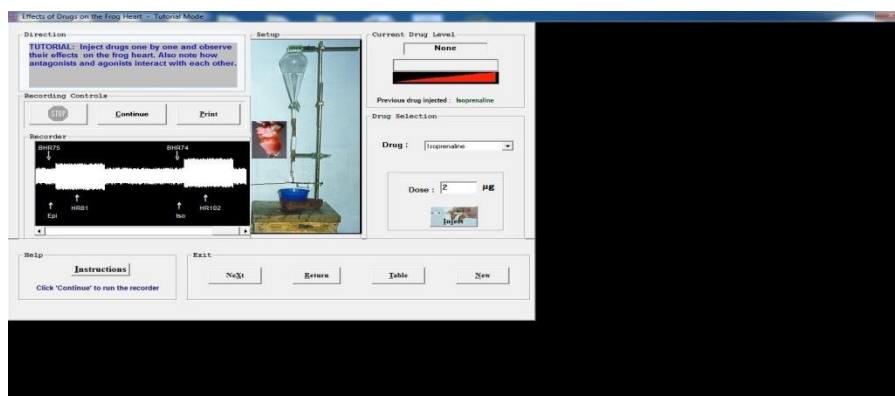
The simulation software:- The simulation software like Ex-Pharm Heart software, X-Cology Software and Ex- Pharm Series Software by Health Education Bureau is used by the faculty members in pharmacology laboratory as an alternative to animal experiments to demonstrate the effect of drugs on various models. **Ex- Pharm Series Software by Health Education Bureau**

Virtual Lab Ex-Pharm Series Software		
Version: 1.0.0.0, Health Education Bureau, Grade		
Experimental Pharmacology Series		
*	Study of muscle relaxant activity with the help of "Rota-Rod Apparatus"	Go
*	Study of CNS depressants & stimulants using "actophotometer".	Go
*	Study of analgesic activity with the help of "tail flick apparatus".	Go
*	Study of antihistaminic drugs with the help of histamine chamber.	Go
*	Study of analgesic activity with the help of "hot plate apparatus".	Go
*	Study of drugs acting on CNS using "elevated plus maze".	Go
*	Study of anticonvulsant activity using "electro convulsimeter".	Go
*	Experiment on effects of various drugs on rabbit's eye.	Go
*	To study analgesic activity by writhing test.	Go
*	To study PTZ induced convulsions in mice	Go
*	Effect of different drugs on frog's heart	Go
*	Experiment on bioassay of histamine on the ileum of guinea pig	Go
*	Effect of adrenaline, acetylcholine and atropine on dog arterial pressure.	Go
*	Experiments on rat bp	Go
*	Respiratory depression	Go
*	Experiments of rat blood sugar	Go
*	Experiments on thyroid & antithyroid drugs	Go
*	To record the dose response curve and to determine the PD2 value for acetylcholine on frog rectus abdominis muscle.	Go
*	Bioassay of Acetylcholine on the isolated rectus abdominis muscle of frog (by matching, interpolation, 3 point, 4 point method)	Go
*	Study of diuretic activity using metabolic cage	Go
*	Study of anti-inflammatory activity using carrageenan induced paw oedema method	Go
*	Bioassay of oxytocin on the isolated rat uterine horn	Go
*	Bioassay of serotonin on the isolated rat fundus strip	Go
*	Rabbit Pyrogen Test	Go

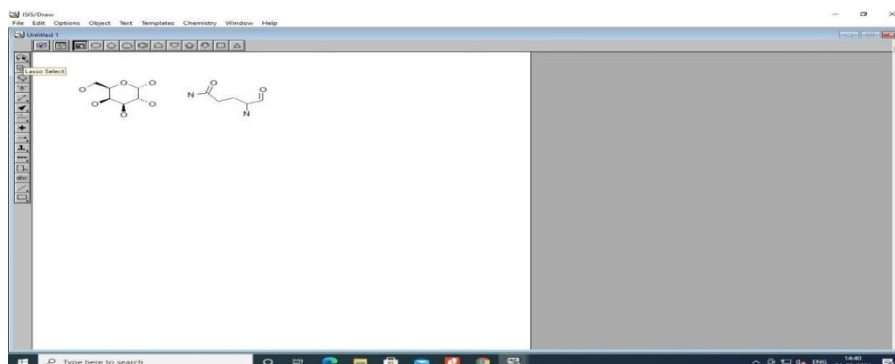


X-cology software for experimental pharmacology

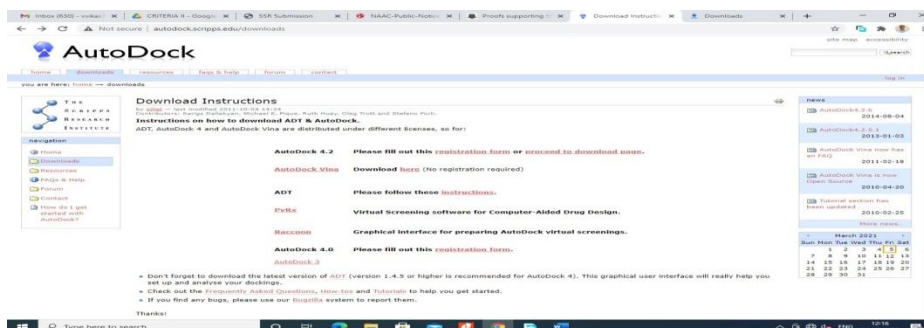
Ex-pharm software



Chemdraw 2.4 structure drawing software

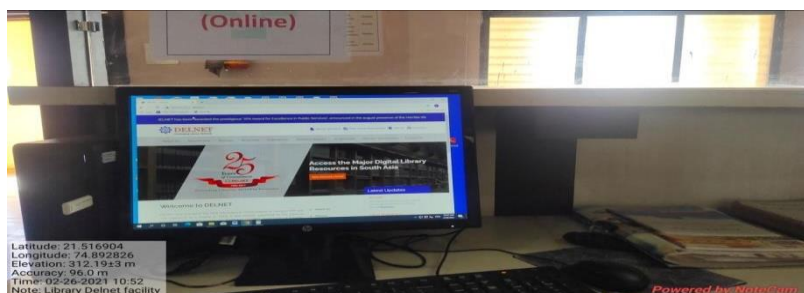


AUTODOCK 2.4 FOR MOLECULAR DOCKING



Digital library facility :-Is available in the college library. All students and staff members access e-journals from DELNET/Bentham Science. The language lab software is used by the faculty member that provides comprehensive study material to enrich the language skills of the students.

DELNET for online E –resources



Language Lab Software




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ACADEMIC YEAR: 2020-21

**NATIONAL WEBINAR ON TOPIC “CAREER OPPORTUNITIES IN CLINICAL
RESEARCH AND FUTURE PROSPECTS”**

Venue	Kvps Institute of Pharmaceutical Education Boradi
Date	04/07/2020
Title and Speaker	National Webinar on topic “Career opportunities in clinical research and future prospects” by Miss Smita Saindarsing Director, ClinxionQCS
Number of students participated	90
Mode	by Zoom app

Description of activity:

KVPS'S Institute of Pharmaceutical education organised National level seminar on “Career opportunities in clinical research and future prospects” on 4th July 2020. The main objective of this seminar is to give brief knowledge about the current Career opportunities in clinical research area to the final year student as well as the to the post graduate student what are the future prospective, to update their knowledge, skill related to Clinical research of it during the pandemic covid 19 era . It is expected that this activity will act as a stimulus to discuss and channelize ideas for applicable for area of clinical research of students and faculty. Resource person for this webinar Miss. Smita Saindarsing Director, ClinxionQCS


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ACADEMIC YEAR: 2020-21

**ONE DAY INTERNATIONAL WEBINAR PROFESSIONAL LICENSING
PROCEDURES AND SCOPE OF PHARMACY IN GCC COUNTRIES**

Venue	Kvps Institute of Pharmaceutical Education Boradi
Date	18/07/2020
Title and Speaker	International Webinar on topic "Professional licensing procedures and Scope of Pharmacy in GCC Countries" by Dr. Mohammed shaheer Ali and Hisham Khalid
Number of students participated	45
Mode	by Zoom app

Description of activity:

KVPS'S Institute of Pharmaceutical education organised International level webinar on "Professional licensing procedures and Scope of Pharmacy in GCC Countries" on 18 thjuly 2020.Hon. Principal Dr.P.H.Patil gives information about the achievements our sansthas and institute to the eminent resource person. Mr.Anup M. Akarte introduced the resource person of the webinar Eminent Speaker Dr. Mohammed shaheer Ali Drug control officer, narcotics department, MOH, UAE & Hisham Khalid Managing director Middle East professional licensing center.Dr. Mohammed shaheer Ali share his knowledge to the student and faculty member regarding regulation aspects and perspectives in GCC countries. Dr.Hisham Khalid gives glimpse on Licensing procedure in GCC countries.


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ACADEMIC YEAR: 2020-21

**ONE DAY INTERNATIONAL WEBINAR PROFESSIONAL LICENSING
PROCEDURES AND SCOPE OF PHARMACY IN GCC COUNTRIES**

Venue	Kvps Institute of Pharmaceutical Education Boradi
Date	23/07/2020
Title and Speaker	International Webinar "Introduction to Pharma Industry and Overseas Post-graduation opportunities "
Number of students participated	56
Mode	by Zoom app

Description of activity:

KVPS'S Institute of Pharmaceutical education organised International level webinar on "Introduction to Pharma Industry and Overseas Post-graduation opportunities " on 23rd July 2020. Hon. Principal Dr. P.H. Patil gives information about the achievements of our sansthas and institute to the eminent resource person. Mr. Anup M. Akarte introduced the resource person of the webinar Eminent Speaker Mr. Deepak Pardhi Co-founder Salutem Global, London, UK and Mr. Aqib Ilyas Co-founder salutem global London. Dr. Deepak Pardhi shares his knowledge to the student and faculty member regarding status and job requirement needed in pharma industry in UK to the aspiring candidate. Mr. Aqib Ilyas describes the educational qualification, entrance test, competitive examination required for applying for jobs in UK countries. The main objective of this seminar is to give brief knowledge about the current scenario and of Pharma industry in foreign countries to the final year student as well as to the post graduate student what are the future prospective, skill required to get the Job in UK.


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ACADEMIC YEAR: 2020-21
TWO DAY ONLINE WEBINAR
THEORETICAL AND EXPERIMENTAL STUDY FOR FT-IR AND UV-VIS
SPECTROSCOPY

Venue	Kvps Institute of Pharmaceutical Education Boradi
Date	08th & 09th /10/2020
Title and Speaker	Two days webinar on Theoretical and Experimental study for FT-IR and UV-VIS Spectroscopy by Dr.Girirajan R and Dr. Amol Bakre
Number of students participated	60
Mode	by Zoom app

Description of activity:

KVPS'S Institute of Pharmaceutical education organized TWO days Webinar on “Theoretical and Experimental Study for FT-IR & UV-VIS Spectroscopy” on 08th & 09th October 2020. Hon. Principal Dr.P.H.Patil gives information about the achievements of our sansthas and institute to the eminent resource person. Dr.Vikas V. Patil introduced the resource person of the webinar Eminent Speaker Dr.Girirajan R and Dr. Amol Bakre. Head consultant and Product support TOSHWIN analytical limited. On 8th October 2020 Dr.Girirajan R explained share his experimental expertise related to the evaluation and characterization of analysis of sample in FT-IR spectroscopy as per regulatory criteria in industry. On 9th October 2020 Dr.Amol Bakre gives an idea about working principle and sample handling and industrial application of UV-VIS Spectroscopy Mr.Anup Akarte gives the vote of thanks towards the successful completion of two days webinar.


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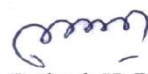
ACADEMIC YEAR: 2020-21

ONE DAY WEBINAR ON POWERFUL MEMORIZATION TECHNIQUES BY ASHISH KANDALKAR

Venue	Kvps Institute of Pharmaceutical Education Boradi
Date	08/05/2021
Title and Speaker	One day webinar on powerful memorization techniques by Ashish kandalkar "
Number of students participated	56
Mode	by Zoom app

Description of activity:

KVPS'S Institute of Pharmaceutical education organised one days Webinar on "Powerful Memorisation techniques" on **08/05/2021**. Hon. Principal Dr.P.H.Patil gives information about the achievements our sansthas and institute to the eminent resource person. Mr. S.M. Mahajan sir introduced the resource person of the webinar Eminent Speaker Mr. Ashsish Kandalkar who is Principle at Akola institute of pharmacy and marketing executive of Herba life pvt ltd On **08/05/2021** Mr. Ashsish Kandalkar explained share his expertise related to the memorisation technique and several psychological experiments how to increase or develop the grasping power during its preparation during any kind of examination, Mr. Anup Akarte gives the vote of thanks towards the successful completion of one days webinar.


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ACADEMIC YEAR: 2020-21

CELEBRATION OF INTERNATIONAL YOGA DAY

Venue	Kvps Institute of Pharmaceutical Education Boradi
Date	21/6/2021
Title and Speaker	Celebration of International Yoga day
Number of students participated	10

Description of Activity: International Yoga Day was celebrated on 21/06/2021 by teachers at K.V.P.S Institute of pharmaceutical education and research Boradi Teaching, non-teaching staff staff. Assist Professor Mr. Swapnil P Chaudhari explained about the importance of some Yogasana. Program started with a warm up exercise, followed by Surya namaskar and ended with pranayama. It was all together a rejuvenating experience for the participants. Mr Swapnil Chaudhari sir encouraged teacher to practice regular yoga to remain fit and improve concentration. Regular practice of yoga will surely help our students achieve a better life, physically, mentally and spiritually as well.

Outcome of Activity: faculty makes awareness about the importance of Health and Yoga



International Yoga Day celebration-2021


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ACADEMIC YEAR: 2020-21

REPORT OF TWO DAY WORKSHOP ON HANDS ON TRAINING OF HPLC

Venue	Kvps Institute of Pharmaceutical Education Boradi
Date	19/12/2021 and 20/12/2021
Title and Speaker	Two day workshop on hands on training of hplc in association with r.s.i.t.c jalgaon
Number of students participated	35

Description of activity:

KVPS'S Institute of Pharmaceutical education organised one TWO DAY WORKSHOP ON HANDS ON TRAINING OF HPLC in association with R.S.I.T.C Jalgaon Hon. Principal Dr.P.H.Patil gives information about the achievements our sansthas and institute to the eminent resource person Mr. Vispute Anil director of R.S.I.T.C Jalgaon.Mr Anil Vispute sir on first day gives the detail theoretical information about the instrumentation and the parts of the instruments to the students of M. Pharm and B. Pharm share its experience with the instrument to the student with the experimentation and also share how to overcome the various troubleshhoting problem arises during its operation.On day two, their is experiment are conducted on HPLC instrument and each student are trained for handling of the HPLC instruments Mr. Pritam Pawara sir gives votes of thanks after concluding session.



TWO DAY WORKSHOP ON HANDS ON TRAINING OF HPLC dated 19 th and 20 th

Dec-2021


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