

2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

Write description in maximum of 200 words

S.No.	Description	Departments
S.V.U. College of Arts		
1	The Department developed e-Content for the post Graduate subject INDIAN Culture Under NMEICT. The E Content of virtual videos are enabled the Students to enrich Qualities Education & Knowledge . The Faculties also utilizing the power point presentation for effecting teaching.	AIHC&A
2	The Centre is well equipped with IT class rooms and required material to enable the teachers to use the latest available material from the internet in the class itself. The library is also equipped with one digital board where students can themselves access the internet and make use of the same for their work.	CSEAPS
3	The Centre possesses e-class room, Convention Hall with projector and Internet. Teaching staff use A/V equipment for teaching-learning purpose. Students also use A/V for Seminar presentation as part of learning to improve their presentation skills.	CWS
4	☐ Lectures using Black Board ☐ Charts and Graphs ☐ E. Class room ☐ Power Point Presentations ☐ Audio & video presentations ☐ Recorded Programmes ☐ Quiz and Seminars ☐ Assignments and Internal tests ☐ Invited Guest Lecture Programmes ☐ Industrial tours ☐ Practicals in Computer Lab	Econometrics

5	The Professors and Contract teaching staff are all computer/ICT savvy and all the teachers are efficient in utilising ICT systems available in the department. The regular teaching would be undertaken through either black board teaching, large interactive panel board explanation, PPT presentation by LCD projector or online resources used in the class room. And judicious mixing them all in class room discussion. Thus, the learning experience and its outcome is more efficient and effective.	Economics
6	All the teacher educators of the department are capable to use ICT and follow flexible methods in teaching learning process. All the teachers used power point presentations and online resources in teaching. They used brain storming methods and explaining interesting case study, relating to the topic of teaching during lock down period teachers used online mode for teaching as well as to conduct internal examinations and ISB activity by using Microsoft Teams and Zoom platforms.	Education
7	• Green Board, Charts, LCD projectors etc. are utilized.	FL&Linguistics
8	We are using Power Point Presentation and Audio & Video presentation,	Hindi
9	All the staff members of the department are capable in using ICT and follow flexible methods of teaching and learning. All teachers used power point presentation, charts, posters and online resources in teaching. They arouse the interest of the students by adopting brain storming sessions and by explaining interesting case studies relating to the topic of teaching. During Lockdown period teachers used online mode for teaching as well as to conduct internal examinations by using Microsoft Teams and Zoom platforms.	History
10	All Faculty are prepared PPTs and modules. Online resources like E-books, E-journals, are effectively used in teaching and learning processes. Maintained YouTube channel and recorded some of the modules and provided access to the students by sharing the links to modules and e content Zoom and Google Meet, Microsoft Teams online platforms were used for online classes. Online seminars and Online quiz were conducted using Google forms. Guest Lectures were provided through these platforms.	Law

11	All Faculty are prepared PPTs and modules. Online resources like E-books, E-journals, are effectively used in teaching and learning processes. Maintained YouTube channel and recorded some of the modules and provided access to the students by sharing the links to modules and e content Online quiz was conducted using Google forms.	Library Science
12	- Whatsapp group is formed and every day lessons are uploaded for remembering and reference. - Permitted to record the class room teaching for identifying the weak areas and improve their singing skill	Performing Arts
13	All the staff members of the department are capable in using ICT and follow flexible methods of teaching and learning All teachers used power point presentation, charts, posters and online resources in teaching. They arouse the interest of the students relating to the topic of teaching . During lockdown period teacher used online mode for teaching as well as to conduct internal examinations by using Microsoft Teams and Zoom plat forms.	Philosophy
14	Provide web link to: Details of ICT-enabled tools used for teaching and learning - Teachers using ICT-enabled tools (including LMS) - Webpage describing the “LMS/ Academic Management System” - Any other relevant information	Population Studies
15	Online resources like E-books, E-journals, are effectively used in teaching and learning processes.	Sanskrit
16	All the faculties of the department are capable to use ICT and fallow flexible methods in teaching learning process. All the teachers used power point presentations and online resources in teaching. They used brain storming methods and explaining interesting case study, relating to the topic of teaching during lock down period teachers and students were used online mode for teaching as well as to conduct internal examinations and Online field work (Collecting dataCovid-19 affected persons) by using various platforms like Microsoft Themes Google Meet, and Zoom plat forms.	Sociology
17	We are using Power Point Presentation and Audio & Video presentation,	Urdu
S.V.U. College of Sciences		

18	The entire faculty undertakes the teaching through power point presentations. During the presentation students will be supplemented with additional notes on recent updates that displayed in journals/web series and students are also provided with the link to the content, so that they can undergo the content at their non-working hours.	Anthropology
19	Teaching is done through Smart board.	Biochemistry
20	☑ The teachers use Information and Communication Technology (ICT) for the preparation of power point presentations and updation availing tools for animations, online content and links to You tube and other Channels for visual presentations. ICT is also used to communicate with students regularly to clear their doubts and distribution notes and learning materials. Further, ICT is used for development of high quality e-Content and Learning object Repository' (LoR), Webcasting	Botany
21	The faculty adopted ICT enabled tools in their teaching aids. Due to this the students will gain all round skills, knowledge and focused on the challenges in the environment. We have adequate computer laboratory, digital classrooms which attracts the students that to spend full time in the classroom. All the faculty use power points and advanced e –resource materials like Google meet, Zoom etc for teaching their courses. This ICT teaching aids enrich the students towards critical thinking, practical approach towards the pollution control coming from the point and non-point sources. This ICT teaching aids also develops the skills relevant to their employment.	Environmental Science
22	By LCD presentation improves teaching using internet. Recorded video lectures.	Fishery Science and Aquaculture
23	Teachers use ICT enabled tools like smart board, LCD Projects and online interventions for online resources for effective teaching and learning processes during the year	Geography
24	All the faculty use power points and advanced e –resource materials for teaching their courses	Home Science
25	Power Point and AV presentation to discuss the content with suitable illustrations	Psychology

26	Online resources such as Swayam, E pathshala and web slideshares are used for effective teaching and learning process. LMS tools such as g meet, zoom, WebEx and Microsoft teams are used for <u>online teaching learning management system</u> .	Virology
27	Effective content delivery by using ICT tools in the class room for better understanding and reinforcement of the concepts and problem-solving is adopted by all the faculty of the institution. ICT tools complement the traditional teaching-learning methods, and the institute is highly interested in providing innovative methods for enriching the learning experience. The institution has the needed resources which include wide availability of computers in engineering departments and library, high speed internet access and general ICT knowhow among the students and the faculty. The conventional lecture method facilitates the teacher to interpret, explain and revise the content of a topic, only for better understanding of the subject by the learners. At the end of instruction of each unit, the students are given specific assignment which enriches their learning. To enhance the effectiveness, lectures are presented as 'learning dialogues' including short intermissions facilitating the students to recapitulate the acquired knowledge by way of answering a few questions or a brief peer group discussion or a think-pair-share activity or any other relevant interactive session. Thus, the blended mode of learning which combines direct tutor-taught interaction with the online learning is largely implemented. The case study and the project-based learning methods, which are participatory,	Zoology
S.V.U. College of Commerce, Management and Computer Science		
28	The department is equipped with ICT enabled tools such as overhead projector, TVs and PowerPoint screens. All the faculty members in the department have used these tools for effective teaching and learning process. Teaching and learning process through these tools would empower our students with the strong knowledge base, employability skills and values they need to excel in the respective domains. Faculty members play a vital role in shaping future leaders, innovative entrepreneurs and problem solvers.	Commerce
29	All the classrooms are equipped with Projectors and the faculty use ICT enabled tools.	MBA

30	Write description in maximum of 200 words Besides the chalk and talk method of teaching, the college makes intensive use of ICT-enabled tools, including online resources for effective teaching and learning process. The faculty use ICT-enabled classrooms with LCD projectors, Wi-Fi connectivity, software, PowerPoint presentations developed by teachers to expose the students to advanced knowledge and practical learning. The labs are updated with new software like Python, Matlab, Microsoft Office, the latest Excel utility. The faculty uses different methods of teaching based on the need of the learners and the subject taught. They use conventional methods like lecturing, which is teacher centered and other methods which are interactive, collaborative and ICT enabled such as Microsoft Teams, Google Classroom. The faculty members used Google meet or Zoom to conduct tests and for lecture delivery. Also used many interactive methods for effective teaching such as PPT with animations, Video clippings, Use of online resources from NPTEL, Coursera, youtube links, Simulation tools, Virtual labs , online assessment tools like mentimeter - Quizz.com, and various Cloud portals etc. • WhatsApp group used as platforms to communicate, make announcements, address queries, and share information. • To teach problem solving subjects in an online mode, faculty have used various online tools like- whiteboard in Microsoft teams, Jamboard in Google meet, etc. Also used Pentab for live solving problems. Other important activities such as Project presentation, Debates, Group discussions, Mentoring, PTA meet, AAC meet also conducted online through Google meet or Zoom platforms for quality teaching learning process. • The research journals and ebooks are available on online library to our faculty and students. • All the departments conduct webinars, workshops and guest lectures on the new developments in the core subjects for effective teaching and learning by Industry experts and Alumni on Zoom platforms and also broadcasted the same on Youtube	Computer Science
S.V.U. College of Engineering		
31	The Institution has provision for the use of Skills Laboratory and Simulation Based Learning The Institution: 1. Has Basic Skills Training Models and Trainers for engineering skills in the relevant disciplines. 2. Has advanced patient simulators for simulation-based training 3. Has structured programs for training and assessment of students in engineering Skills Lab / Simulation centre 4. Conducted training programs for the faculty in the use of clinical skills lab and simulation methods of teaching-learning	Chemical Engineering
32	Every B.Tech. classroom is provided with interactive panels with WIFI facility	Civil Engineering

33	The course delivery for certain courses is done in blended mode using Smart Interactive Boards and White Boards to improve the effectiveness of teaching and attract the students towards learning.	EEE
34	Today, it is essential for the students to learn and master the latest technologies in order to be corporate ready. As a consequence, teachers are combining technology with traditional mode of instruction to engage students in long term learning. College uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education. The following tools are used by the Institute ICT Tools: 1. Projectors- 54 projectors are available in different classrooms/labs 2. Desktop and Laptops- Arranged at Computer Lab and Faculty cabins all over the campus. 3. Printers- They are installed at Labs, HOD Cabins and all prominent places. 4. Photocopier machines - Multifunction printers are available at all prominent places in the institute. There are four photostat machines available in campus. 5. Scanners- Multifunction printers are available at all prominent places. 6. Seminar Rooms- Three seminar halls are equipped with all digital facilities. 7. Smart Board- One smart board is installed in the campus. 8. Auditorium- It is digitally equipped with mike, projector, cameras and computer system. 9. Online Classes through Zoom, Google Meet, Microsoft Team, Google Classroom 10. MOOC Platform (NPTEL, Coursera, SAP, Udemy, Edx etc) 12. Digital Library resources (DEL NET, MYLOFT etc) Use of ICT By Faculty A. PowerPoint presentations- Faculties are encouraged to use power-point presentations in their teaching by using LCD's and projectors. They are also equipped by digital library, online search engines and websites to prepare effective presentations. B. Industry Connect- Seminar and Conference room are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students. C. Online quiz- Faculties prepare online quiz for students after the completion of each unit with the help of GOOGLE FORMS. D. Video Conferencing- Students are counseled with the help of Zoom / Google meet applications. E. Video lecture- Recording of video lectures is made available to students for long term learning and future referencing.	ECE

35	Today, it is essential for the students to learn and master the latest technologies in order to be corporate ready. As a consequence, teachers are combining technology with traditional mode of instruction to engage students in long term learning. Department uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education. ICT Tools: 1. Projectors- projectors are available in different classrooms/labs 2. Desktop and Laptops- Arranged at Computer Lab and Faculty cabins all over the department. 3. Printers- They are installed at faculty rooms, Labs, HOD Cabins and all prominent places. 4. Photocopier machines - Multifunction printers are available at department office. 5. Scanners- Multifunction printers are available at all prominent places. 6. Seminar Rooms- One seminar hall is equipped with all digital facilities. 7. Smart Board- Four smart boards are installed in department classrooms. 8. Online Classes through Microsoft Teams 9. MOOC Platform (NPTEL, Swayam, Coursera, SAP, Udemy, Edx etc) Use of ICT By Faculty • PowerPoint presentations- Faculties are encouraged to use power-point presentations in their teaching by using smart boards, LCD's and projectors. They are also equipped by online search engines and websites to prepare effective presentations. • Industry Connect- Seminar and Conference room are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students. • Online quiz- Faculties prepare online quiz for students after the completion of each unit with the help of GOOGLE FORMS. • Video Conferencing- Students are counseled with the help of Microsoft Teams application. • Video lecture- Recording of video lectures is made available to students for long term learning and future referencing.	Mechanical Engineering
----	---	------------------------



2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year



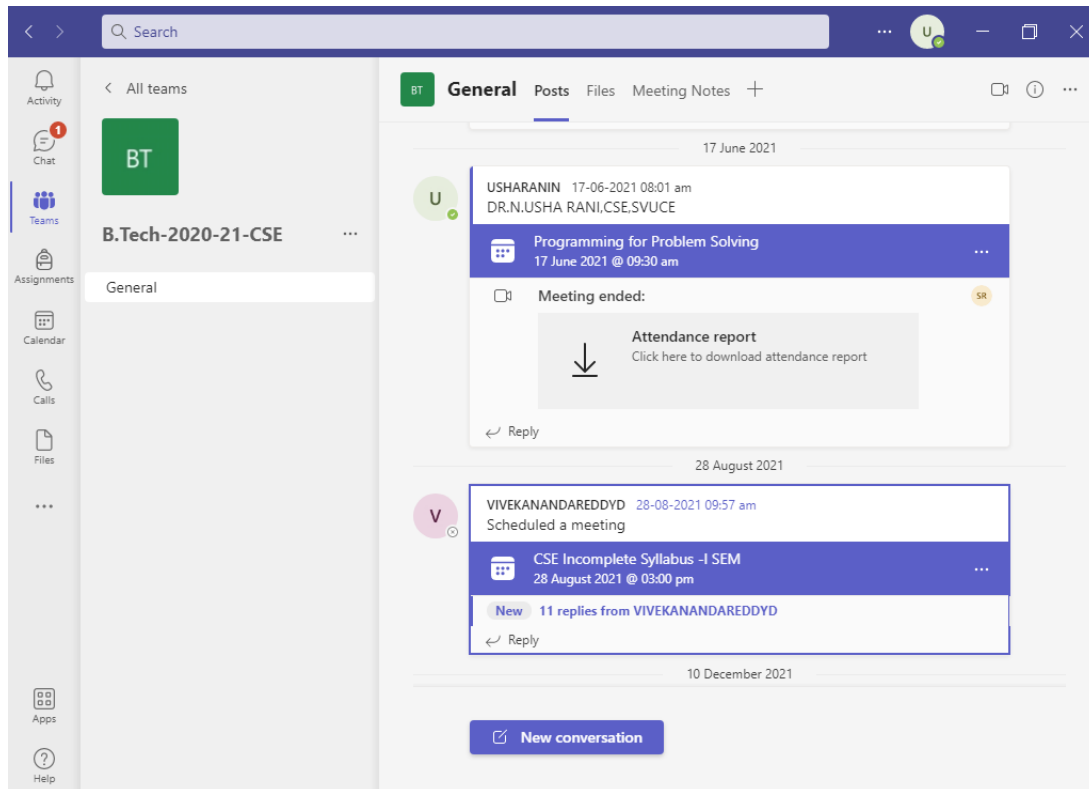
CLASS



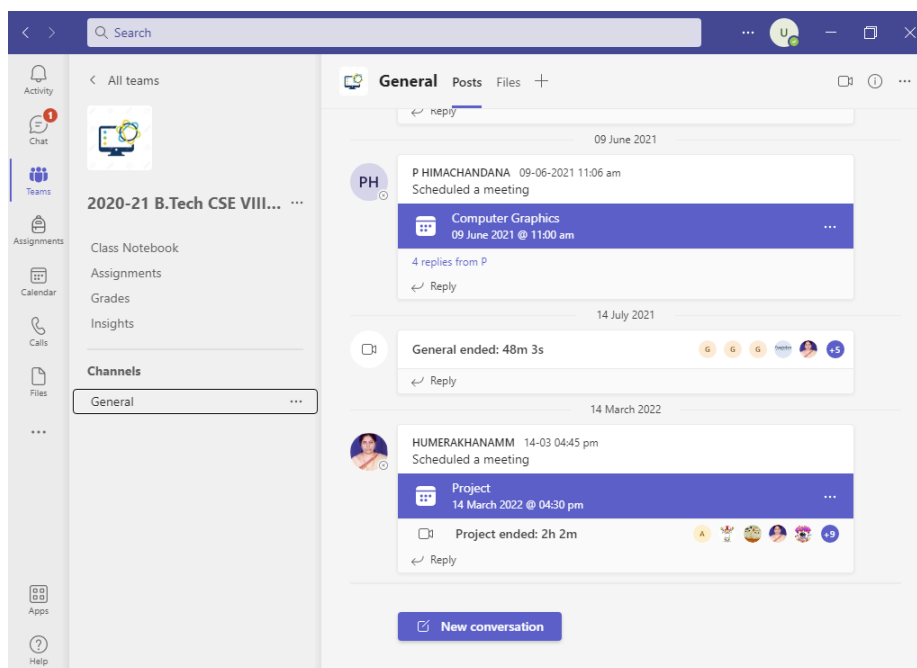
CLASS



CLASS



ONLINE CLASS (MICRO SOFT TEAMS)



ONLINE CLASS (MICRO SOFT TEAMS)

- **Learning Resources to improve their self-learning capabilities.**

- MOOCS
- NPTEL
- SWAYAM

These E-sources are provided to the students in order to develop self-learning and life-long learning skills. The students are allowed to take MOOCS courses in the NPTEL SWAYAM portal in the fields of their choice to gain wide knowledge. 3 credits are allotted for each of the MOOCS courses.

- **Quality of laboratory experience with regard to conducting experiments:**

At the beginning of every semester, the required software's are installed. Faculty members instruct the students about the Syllabus, Course objectives, Course outcomes, and grading methods and how to debug and test with different inputs of the laboratory course before doing the regular laboratory experiments. Scenario based problems are given to students for programming subjects such as Computer Programming, Object Oriented Programming and Java Programming. For each laboratory course, few experiments are to be included in the syllabus. Extra experiments are also implemented beyond the specified list for relevant courses wherever necessary. Laboratory manual explaining the details of the experiment, designing issues are available with the course teacher and are provided to students at the commencement of the semester. These Manuals are checked and verified by

Faculty member before the commencement of each semester. Viva voce is conducted for the students in order to test their knowledge in the experiment. The Laboratory assessment is performed on the basis of rubrics such as, submission of laboratory records, participation in performing the experiment, analysis and interpretation of experiments.

Internal Lab Exam: An Internal Lab exam of 3 hours duration is conducted after the completion all programs to assess the ability of a student performance. Internal Lab exam is conducted for 40 marks. (viva, record submission and written and execution parts)

External Lab Examination: The end semester practical examination is conducted for 3 hour duration. The external Lab exam is conducted for 60 marks .An external examiner will conduct the viva voce.