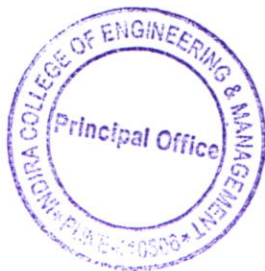### 2.3.2. Teachers use ICT enabled tools for effective teaching-learning process.

Teachers of the College try to make the best use of the technology in their teaching learning process. ICT has enabled better and swifter communication; presentation of ideas in an effective and relevant way. It is an effective tool for acquiring information from multiple sources to help students to enhance their knowledge database.

The College has a Wi-Fi Enabled Campus which helps the teachers and students to stayconnected to the internet and learn and teach the updated information. The college has an Automated Library which enables the students to find the location of the books easily. The college has well equipped Computer Labs with new software's like Python, R, JAVA,Microsoft Office, as per the nee of curriculum.

Teachers make and present PowerPoint presentations in the classrooms which help them have an interactive conversation with the students. Teachers have started taking lectures online on Google Meet, Zoom, Microsoft Teams,etc. FDPs are conducted to enable/familiarize the teachers with these online platforms.Besides using the e-books in the e-classrooms, educational videos, such as Ted Talks, YouTube Content, etc. which further adds quality to lecture delivery.
Teachers share reading materials, short notes, e-books over different media like Google Classroom, Microsoft Meet, E-Mail, College Portal, Whats-App, One drive, Notebook,etc.

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process

ICT tools used for teaching learning

- NPTEL Videos
- Youtube Videos
- MS Team
- Zoom
- Coursera links
- Online books
- Power Point Presentation
- Online quiz and test.
- Online virtual labs

RESULT ANALYSIS
SAVITRIBAI PHULE PUNE UNIVERSITY, B.E.(2015 COURSE) EXAMINATION,Nov/Dec2020-21
{ B.E. (2015 PAT.)(COMPUTER ENGG.) }[ALL DIVISION-COMBINE]
SEMESTER - I

B.E. (2015 PAT.)(COMPUTER) | | | | | | | | | **SEMESTER - I**

S.N.	SUBJECT NAME	HEAD	TOTAL	PRESENT	ABSENT	PASS	FAIL	MAX MARKS	% RESULT
1	410241- [OE+TH]	[OE+TH]	115	115	0	115	0	92	100.00%
2	410242 - [OE+TH]	[OE+TH]	115	115	0	115	0	97	100.00%
3	410243 - [OE+TH]	[OE+TH]	115	115	0	115	0	99	100.00%
4	410244D- [OE+TH]	[OE+TH]	115	115	0	115	0	97	100.00%
5	410245B - [OE+TH]	[OE+TH]	115	115	0	115	0	100	100.00%
7	410246 - TW	TW	115	115	0	115	0	46	100.00%
8	410246- [PR]	[PR]	115	115	0	115	0	46	100.00%
9	410247 - TW	TW	115	115	0	115	0	45	100.00%
10	410247 - [OR]	[OR]	115	115	0	115	0	44	100.00%
11	410248 - [OR]	[OR]	115	115	0	115	0	46	100.00%

Department of Basic Engineering

Report on ICT tools usage

Date: 13/02/2021

Details:

"Teaching in the Internet age means we must teach tomorrow's skills today".
ICT (Information and Communication Technology) refers to efficient management of information with the use of hardware and software.
Can be used to transmit, store, create, share or exchange particular task. It plays a very important role in the way we communicate, learn and live.

We at Basic Engineering Department use MS teams for conducting lectures, giving assignments, evaluation, conducting quiz, attendance, share the study material and create teams for different divisions.

Use one drive for multiple accessing of the data shared on cloud and perform the collaborative tasks, storing the recordings of the lectures.
Whiteboard is used as a digital canvas for sharing the content.

We also have created YouTube channel in which we have shared the practical recordings, numerical solving methods, explanation for difficult topics, so that the students can view the videos as per their convenience.

Many of us use power point presentations for delivering the lectures, share the links for NPTEL videos, links for e-books, MCQs solving methods.

At the beginning we also use Zoom for conduction of bridge course, as the students mail ID of Microsoft Outlook are being created after the confirmation of admission.
Once the students get the mail ID we gradually shift to MS teams and train the students and make them familiar with all the tools available in MS teams.

Parent Teachers Meet are also conducted on Zoom, as the parents do not have the MS mail ID.

Google classroom is also used for sharing the content, google forms for conducting exams and evaluating and posting the results, attendance marking, and getting feedbacks from students.

Cameras have been installed in each classroom for virtual view of black board teaching.

Important notifications are being shared on Telegram Channel for the faster communication both to students and parents.

Links:

Coursera Links:

Sr. No.	Name of course	Course link
1	AutoCAD for Design and Drafting Exam	https://www.coursera.org/learn/autodesk-autocad-design-drafting
2	3D CAD Fundamental	https://www.coursera.org/learn/3d-cad-fundamental
3	Autodesk CAD/CAM/CAE	https://www.coursera.org/specializations/autodesk-cad-cam-cae-mechanical-engineering
4	CAD and Digital Manufacturing	https://www.coursera.org/specializations/cad-design-digital-manufacturing

Journal Articles:

| Sr. No.	Technical article Link
1	http://www.cimt.org.uk/journal/sinanolkun.pdf
2	https://www.sciencedirect.com/science/article/abs/pii/0734189X90901118
3.	https://www.jstor.org/stable/pdf/jeductechsoci.9.3.149.pdf?seq=1
4.	https://www.jstor.org/stable/3106007?seq=1
5.	https://www.tandfonline.com/doi/abs/10.1080/22054952.2010.11464037

e-Book Links:

| Sr. No.	Name	e-Book Link
1	A Textbook of Engineering Physics By M N Avadhanulu	https://books.google.co.in/books?id=lTUNWOR_cDgC&lpg=PP1&pg=PA50#v=onepage&q&f=false
2	Engineering Physics	https://www.researchgate.net/publication/32419002 1_A_TEXTBOOK_OF_ENGINEERING_PHYSICS/link/5d3915a4a6fdcc370a5d7dc3/download

Photographs for Assignment Evaluation on MS Teams
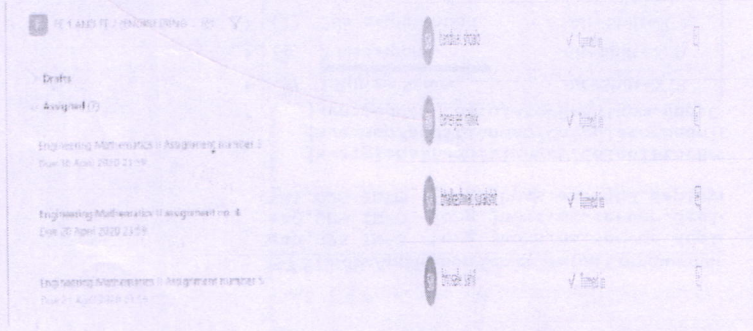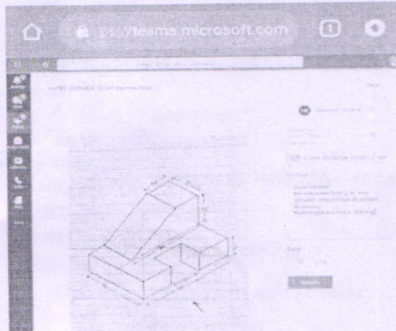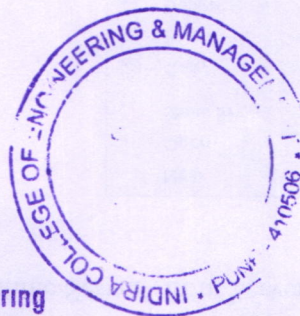
YouTube Channel Created by FE Faculties:
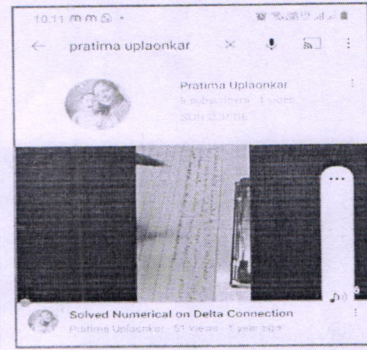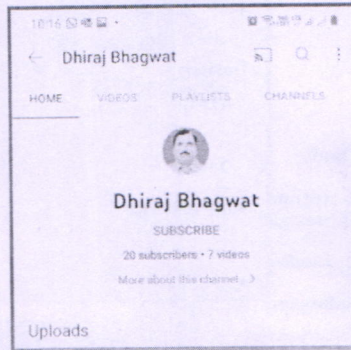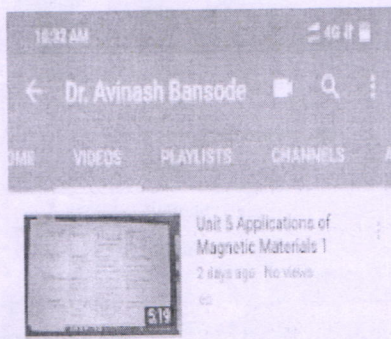
Google Classroom and Google sheets:
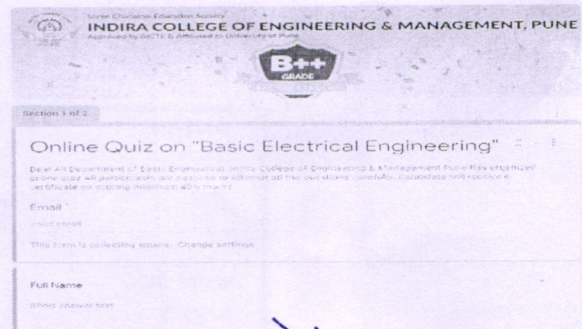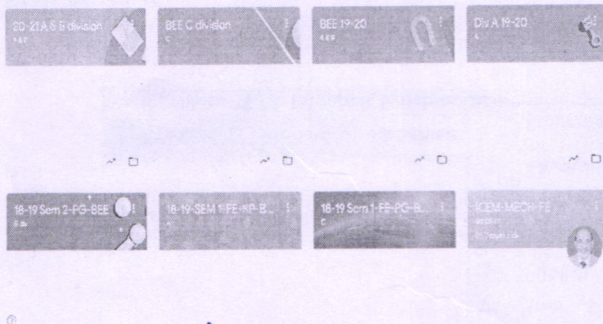
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