

Pune Institute of Computer Technology, Pune-43

DEPARTMENT OF INFORMATION TECHNOLOGY

(Academic Year – 2022-23)

Innovative teaching Learning

Link for Suggestion / Comments from stakeholders other than students :-

<https://forms.gle/AKFt1dj2vKyiUJK49>

Name of Subject	Staff Involved	Description of Activity	Relevant POs and PSOs	Link of Report
SE:BCN	Mr. GANESH PISE ,Mr.T.A.Rane	<p>Quiz based upon Multiple choice questions is prepared on the topic.</p> <p>Students will attempt this quiz online on a predefined schedule. After completion of quiz</p> <p>discussion about the correct options will be done where students can get clarified their doubts.</p>	PO2, PO5, PSO1	<p>https://drive.google.com/file/d/1bWsnR0eAwrR8iaKu024ztQ0ym1RhVOzV/view?usp=share_link</p> <p>https://drive.google.com/file/d/16Yunll-u9y7HHJh-KOCbuMK13nAJZzxr/view?usp=share_link</p>
SE:DM	Mr.Abhijeet Karve ,Mr. Naman V. Buradkar	<p>Quiz based upon Multiple choice questions is prepared on the topic.</p> <p>Students will attempt this quiz online on a predefined schedule. After completion of quiz</p> <p>discussion about the correct options will be done where students can get clarified their doubts.</p>	PO2, PO4, PO5, PSO1, PSO2	<p>https://drive.google.com/file/d/1yfr-PJK3LX4g3Ve1uB1CzfKnc5-OSGJWI/view?usp=share_link</p> <p>https://drive.google.com/file/d/1OuS4EGKw4k8f0v1S2K14hEpCB2eWlhVB/view?usp=share_link</p>
SE:LDCO	Mrs.R.Kapadi	<p>simulator :To understand the concepts of digital electronics with virtual electronics components online simulator tinkercad.com is used.</p>	PO3, PO5, PSO2	<p>https://drive.google.com/file/d/1DSE5ET4Z5rMM2RTDKyJnHwpohlTy5rs7/view?usp=share_link</p>

E:LDCO	Dr. Radhika V Kulkarni	<p>Quiz based upon Multiple choice questions is prepared on the topic.</p> <p>Students will attempt this quiz online on a predefined schedule. After completion of quiz</p> <p>discussion about the correct options will be done where students can get clarified their doubts.</p>	PO2, PO4, PO5, PSO1, PSO2	https://drive.google.com/file/d/1IDHILS8L8lbbKNwYT1EXkgJcTVqDgoIn/view?usp=share_link
TE:DAA	Mr. Amit A. Kadam	<p>Quiz based upon Multiple choice questions is prepared on the topic.</p> <p>Students will attempt this quiz online on a predefined schedule. After completion of quiz</p> <p>discussion about the correct options will be done where students can get clarified their doubts.</p>	PO2, PO4, PO5, PSO1, PSO2	https://drive.google.com/file/d/1fCLp9ve6_XDg3XyEVgCwun7t28yKxAyA/view?usp=share_link
TE:HCI	Mr.A.G.Dhamankar	<p>Quiz based upon Multiple choice questions is prepared on the topic.</p> <p>Students will attempt this quiz online on a predefined schedule. After completion of quiz</p> <p>discussion about the correct options will be done where students can get clarified their doubts.</p>	PO2, PO4, PO5, PSO1, PSO2	https://drive.google.com/file/d/1_e-1xthRGBri1BZXESgojqWkanwvTLhG/view?usp=share_link
TE:HCIL	Mr.M.R.Khodaskar	<p>Flipped Classroom-The aim of this activity is to create responsive learning environments in class where students can participate.</p>	PO1, PO6, PO9, PSO1, PSO2	https://drive.google.com/file/d/1D0nA7lS91CRU7PHSjScZel8-aOUVrraB/view?usp=share_link
TE:OS	Dr.S.C.Dharmadhikari	<p>Flipped Classroom-The aim of this activity is to create responsive learning environments in class where students can participate</p>	PO1, PO6, PO9, PSO1, PSO2	https://drive.google.com/file/d/14DZx563ka-Ktwr1bfvj9BkRLqF0fGE2Q/view?usp=share_link

TE:ML	Dr. Archana Ghotkar	<p>Quiz based upon Multiple choice questions is prepared on the topic.</p> <p>Students will attempt this quiz online on a predefined schedule. After completion of quiz</p> <p>discussion about the correct options will be done where students can get clarified their doubts.</p>	PO2, PO4, PO5, PSO1, PSO2	https://drive.google.com/file/d/1NLJVe7cOdL4RQ2Evgv2rfSWSX5bb5rKv/view?usp=share_link
BE:ISR	Mrs. Archana Satish Kadam	<p>Quiz based upon Multiple choice questions is prepared on the topic.</p> <p>Students will attempt this quiz online on a predefined schedule. After completion of quiz</p> <p>discussion about the correct options will be done where students can get clarified their doubts.</p>	PO2, PO4, PO5, PSO1, PSO2	https://drive.google.com/file/d/1EY4FaAmvYYvUNuKMq0Ns9rEeiA7N3Ima/view?usp=share_link
TE:TOC	Dr. K. A. Sultanpure	Blog website for students	PO10, PO12, PSO2	https://kavita-a-sultanpure.blogspot.com/
SE/BE-CG,ICS	Mr.A.G.Dhamankar	Website for students	PO10, PO12, PSO2	https://www.youtube.com/channel/UCCBqnhcCIIlwLZmRbDHhPpA https://www.youtube.com/channel/UCrAAcfCKRK-kUXfGv8rRvGA https://www.youtube.com/channel/UCyI9vOUNobKGMMN7TMuKxAA https://www.youtube.com/channel/UCLgC2qs2P-g-92AJJz2v8Q

Pune Institute of Computer Technology, Pune-43

DEPARTMENT OF INFORMATION TECHNOLOGY

(Academic Year – 2021-22)

Innovative teaching Learning

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Name of Subject	Staff Involved	Description of Activity	Relevant POs and PSOs	Link of Report
SE : OOP	Mrs. S. H. Chandak , Mr. S. D. Shelke, Mrs. J. B. Jagdale	<p>Quiz based upon Multiple choice questions is prepared on the topic.</p> <p>Students will attempt this quiz online on a predefined schedule. After completion of quiz discussion about the correct options will be done where students can get clarified their doubts.</p>	PO2, PO4, PO5, PSO1, PSO2	<p>https://drive.google.com/file/d/1aRZWygcfuEbWgfr04Be6GGv0XZkmwPPj/view?usp=sharing</p> <p>https://drive.google.com/drive/folders/137J5DVcg2XSSY_Y3NPAjHomkPSC3eojr?usp=sharing</p>
SE : BCN	Mr. T. A. Rane, Ms. Jyoti Jadhav, Mr. H. J. Joshi	<p>Quiz based upon Multiple choice questions is prepared on the mentioned topic. Unit I, II and III topics were included for preparation of the quiz. The quiz is conducted using online tool called Quizizz platform. Students had attempted this quiz online on a predefined schedule.</p>	PO2, PO4, PO5, PSO1, PSO2	<p>https://drive.google.com/file/d/1Q204ioWTYKWIZnu7kxoMTK3sdO4nCIM4/view?usp=sharing</p>
SE : SE	Mr. S. D. Shelke, Mrs. J. B. Jagdale, Mr. H. J. Joshi	<p>Quiz based upon Multiple choice questions is prepared on the mentioned topic. Students will attempt these quizzes online on a predefined schedule. After completion of quiz discussion about the correct options will be done where students can get clarified their doubts.</p>	PO2, PO4, PO5, PSO1, PSO2	<p>https://drive.google.com/file/d/1T_72UiGwcHWsR8hzCQCRcztX7ecYfkD9/view?usp=sharing</p>
SE : CG	Ms. J. H. Jadhav, Mrs. D. V. Patil, Mr. A. G. Dhamankar	<p>Reading material, videos and video links are distributed to students. Students had prepared an allocated topic presentation and presented it in front of class. After the presentation they submitted the one-page report.</p>	PO1, PO6, PO9, PSO1, PSO2	<p>https://drive.google.com/file/d/1Usk9rPjFzsUljLcxBW3VosR2hFpuS5iv/view?usp=sharing</p>

SE : DBMS	Mrs. Archana Satish Kadam, Mr. S R Hiray, Dr. Emmanuel M.	Taught SQL in class Taken suitable examples on SQL/ER diagram Conducted quiz on above topic Feedback of Activity	PO2, PO4, PO5, PSO1, PSO2	https://drive.google.com/file/d/1CFPxlEFiIT2rx88Dlh1WHT-74C4uCL1a/view?usp=sharing
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Name of Subject	Staff Involved	Description of Activity	Relevant POs and PSOs	Link of Report
TE : HCI	Mr. S. S. Pande, Mr. M. R. Khodaskar, Mr. A. G. Dhamankar	Conducted sessions on innovative ideas like Syringe.	PO2, PO3, PO5, PSO2	https://drive.google.com/drive/folders/1Yyw9sfEL4Lx12ujJDs5EFr-ZxYBfbP-o?usp=sharing
TE : DAA	Mrs. A. V. Yenikar, Mrs. S. A. Jakhete, Mrs. S. A. Jakhete	Algorithm visualizer a web app for visualizing a bunch of different algorithms and strategies. ICT Tools such as Digipad and OneNote are used for demonstration of algorithms with examples. It will help students to understand working and analysis of algorithms.	PO1, PO6, PO9, PSO1, PSO2	https://drive.google.com/drive/folders/1KF8siz3BjpWPjtrexp2pG25RovddUs?usp=sharing
BE : IWP	Mrs. K. Y. Digholkar, Mr. A. A. Kadam, Mrs. S. A. Jakhete	In Internet and web programming Unit IV to VI consist of recent web technologies trends such Web Services Content Management System mobile web development and web security. For better understanding and self-awareness of students, quizzes are designed and conducted.	PO2, PO4, PO5, PSO1, PSO2	https://drive.google.com/file/d/1fmIRHX5dio3chvck4Df_n6bciZEY3GOU/view?usp=sharing
BE : SMA	Mrs. S. T. Kembhavi Mrs. J. B. Jagdale Ms. Y. A. Sisodia	1. Reading Material link distributed to students 2. Explanation and Discussion On Data Visualization. 3. Creation & Presentation of Social media data visualization by students. 4. Feedback of activity	PO1, PO6, PO9, PSO1, PSO2	https://docs.google.com/document/d/1aC7jIQ6ZYV2iFwaq_2oNuUM5gxL9JsRg/edit?usp=sharing&oid=112577945146805829623&rtpof=true&sd=true

Pune Institute of Computer Technology, Pune-43

DEPARTMENT OF INFORMATION TECHNOLOGY

(Academic Year – 2020-21)

Innovative teaching Learning

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Name of Subject	Staff Involved	Description of Activity	Relevant POs and PSOs	Link of Report
SE:FDS	Mrs. N. R. Sodha	1.Website using LMS- Nrsodha.gnomio.com 2.QR code for website		https://nrsodha.gnomio.com/
SE:LDCOL	Mr. S. R. Warhade	Simulator use for teaching practical concepts Use of online simulator Tinkercad for circuit design. A major challenge in logic design teaching is to have the students connect their theoretical knowledge with the practical experience. Using the simulation tools does benefit the students learning the logic design. Tinkercad simulator allows circuit designs with logic gates to be created. Use of Tinkercad simulator encourages an abstract view of hardware to the students. In this laboratory students designed LDCOL practical assignments using logic gate IC's and various input/output devices like switches, signal generators , leds etc and observed the output .	PO3, PO5, PSO2	https://drive.google.com/file/d/1wETmS8UJ7sf_vafYyvi2yu0duXHDHnZm/view?usp=share_link
SE:LDCOL	Dr. R. V. Kulkarni	Online simulator Tinkercad Circuit design, Modelsim A major challenge in logic design teaching is to have the students connect their theoretical knowledge with the practical experience. Using the simulation tools does benefit the students learning the logic design. Tinkercad simulator allows circuit designs with logic gates to be created. Use of Tinkercad simulator encourages an abstract view of hardware to the students. In this laboratory students designed LDCOL practical assignments using logic gate IC's and various input/output devices like switches, signal generators , leds etc and observed the output	PO3, PO5, PSO2	https://drive.google.com/file/d/1UtFLuh1rK2xdg3UZD7_aOHhmN73J7-Ng/view?usp=share_link

SE:DM	Mrs. S. A. Jakhete	Simulator use for teaching theoretical concepts-Graph online	PO3, PO5, PSO2	https://drive.google.com/file/d/1fE-Es5rMOMFbHLnIIpO-V1YMgIKA0UTT/view?usp=share_link
SE:CG	Mr. A. G. Dhamankar	Flipped Classroom-Scanline Polygon Filling Algorithm	PO1, PO6, PO9, PSO1, PSO2	https://drive.google.com/file/d/1_974gu8Z28KIiCkyk7XH7Si2aXtx2u5q/view?usp=share_link
SE: DM	Mrs. S. A. Jakhete	Simulator use for teaching practical concept Simulators : Creately and Erdplus for E-R Diagrams.Also used online tool such as graph online for better understanding of graph theory in Discrete Mathematics	PO3, PO5, PSO2	https://drive.google.com/file/d/1IOLNCIHwtFLp6exCZz2r5uHI3gGfjUaJ/view?usp=share_link
TE:HCI	Mr. M. R. Khodaskar	Case study preparation The design consists of a syringe and an electronic device to control the dose. The value entered on the device will be the amount of dose to be injected. With the help of digitization we can reduce possible errors and make it easy to operate	PO1, PO2, PO3, PO4, PSO1, PSO2	https://drive.google.com/file/d/1tLdnOXpy_JATHSHlCxPw21B_RjmEdlIbo/view?usp=share_link
TE:HCI	Mr.S.S.Pande	Bad Design Contest -To observe, analyze the concept of design problems. To Evaluate certain design solutions for interaction.To create and better design solutions to address the interaction problem.	PO1, PO12, PSO1, PSO2	https://drive.google.com/file/d/1VNHVRIvOAOxQOlgMzA_0_hfkcmWvmjP/view?usp=share_link
SE:CG	Dr. K. A. Sultanpure	Blog website for students	PO10, PO12, PSO2	https://kavita-asultanpure.blogspot.com/
SE/BE-CG,ICS	Mr.A.G.Dhamankar	Website for students	PO10, PO12, PSO2	https://www.youtube.com/channel/UCCBqnhcCIIIwLZmRbDHhPpA https://www.youtube.com/chann

				el/UCrAAcfCKRK-kUXfGv8rRvGA https://www.youtube.com/channel/UCyI9vOUNobKGMMN7TMuKxAA https://www.youtube.com/channel/UCLgC2qs2P-g-92AJJlz2v8O
BE:CL-X	Mr. Abhijeet Karve	<p>Simulator use for teaching practical concepts-The main hurdle was to teach IoT practical concepts in online mode. Tinkercad and Proteus are the two tools/ online simulators which helped us to design and simulate IoT based circuits to demonstrate and understand the concept of each assignment. Each circuit was built with Arduino Uno development kit, actuators and controls. Tinkercad and Proteus made design easy for IoT as well as Electronic circuits.</p>	PO3, PO5, PSO2	https://drive.google.com/file/d/1KL-VWZGBo0v6ohae8Wa4-fU9MFIUXsth/view?usp=share_link
BE:CL-X	Mrs.R. R.Chhajed	<p>Practical Implementation -Online Tinkercad simulator. Few practical assignments students developed using TinkerCad Simulator.</p>	PO3, PO5, PSO2	https://drive.google.com/file/d/1md8hrvAP6318dMWCswq5NkyNN_K31r4C/view?usp=share_link
BE:UC	Mrs.R.R.Chhajed	<p>Use cases -UC-RFID Types-Students are instructed to find out the real time Use case of Active and Passive RFID . Then they prepared and delivered a presentation on the same.</p>	PO1, PO2, PO3, PO4, PSO1, PSO2	https://drive.google.com/file/d/1dgnjIHqJQzFOFcvcl_AQ7ueKhPIswn6k/view?usp=share link

Pune Institute of Computer Technology, Pune-43

DEPARTMENT OF INFORMATION TECHNOLOGY

(Academic Year – 2019-20)

Innovative teaching Learning

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Name of Subject	Staff Involved	Description of Activity	Relevant POs and PSOs	Link of Report
FDS	Mr. S. D. Shelke, Mrs. S. H. Chandak	<p>Quiz-Quiz based upon Multiple choice questions is prepared on the topic.</p> <p>Use of LMS (Moodle Server)-For Online communication</p> <p>All material shared with students through this digital medium.</p>	PO2, PO4, PO5, PSO1, PSO2	<p>https://drive.google.com/file/d/1h40d_LWnM9RdSq2OGPB11buy_e2sDahx/view?usp=share_link</p> <p>https://drive.google.com/file/d/1BkJUMEr_RepJSoXDpN0lrx-f-DUyTz-7K/view?usp=share_link</p> <p>https://drive.google.com/file/d/1py83v-EPkLzfxqU8ljZ3EFCjmoky8CH/view?usp=share_link</p>
ToC	Dr. K. A. Sultanpure	<p>Quiz based upon Multiple choice questions is prepared on the topic.</p> <p>Students will attempt this quiz online on a predefined schedule. After completion of quiz</p> <p>discussion about the correct options will be done where students can get clarified their doubts.</p>	PO2, PO4, PO5, PSO1, PSO2	<p>https://drive.google.com/file/d/1ecBJ5uPcq3ve4KCVTCCKGe0xB4pYID6/view?usp=share_link</p>

SE:DSF	Mr. S. D. Shelke	<p>Flipped Classroom-Binary Search Tree . Aim of flipped learning is to engage students through responsive learning environments.</p> <p>Quiz-Tables in Data structure, Advanced trees, File organization</p>	PO1, PO6, PO9, PSO1, PSO2	<p>https://drive.google.com/file/d/1xBHqiUCgo0OHqmX1asNi2J8F117inrsA/view?usp=share_link</p> <p>https://drive.google.com/file/d/1lzJjlcUwvi_iLk0npKD64L_AxCxoRbZ4l/view?usp=share_link</p>
SE:PAI	Mrs. S. A. Jakhete	Flipped Classroom-	PO1, PO6, PO9, PSO1, PSO2	https://drive.google.com/file/d/1HZPA_PwIA0NB0YRAJfrly2bTWCkamUzdX/view?usp=share_link
SE:PAI	Mrs. S. A. Jakhete	<p>Quiz-Timer Programming ,8051 Microcontroller ,Unit -I to V Used LMS for conduction.</p> <p>Flipped Classroom-Addressing Modes, Bus Cycles, Memory and I/O organization.</p>	PO2, PO4, PO5, PSO1, PSO2	https://drive.google.com/file/d/1-WJd3_ggnAM3BxdPVyQnSf9sDubK8krq/view?usp=share_link
SE:DSF	Mrs.Priyanka Makkar	<p>Flipped Classroom-The aim of this activity is to create responsive learning environments in class where students can participate Topic Representation of graph Here some method of representation of graphs was explained in class and students were asked to learn some other representation techniques and discuss the advantage, disadvantages of the same . They come up with Adjacency multi list representation of graphs. All students were asked to prepare 2 page description and then some students were asked to present the same followed by discussion with other student</p>	PO1, PO6, PO9, PSO1, PSO2	https://drive.google.com/file/d/1aD7wE_piloLh2XuWA15IzjB92GDtGE4/view?usp=share_link
SE:PIL	Mr. S. R. Warhade	<p>Project Based Learning-</p> <p>Development mini embedded system project based on 8051 microcontroller. This activity is for enhancing the student's hardware knowledge and implementation skills so that they can design different embedded systems. This mini project development will help the students to develop familiarity with circuit design and its hardware implementation. Here students developed the AT89S52 microcontroller based circuit on a general purpose board with i/o devices like sensors and LCD, LED, motors etc.</p>	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1, PSO2	https://drive.google.com/file/d/1PuS_tLhVP5YV2-MBEA1ZsvkBRtkOxC1s/view?usp=share_link

SE:COA	Mr.S.B. Deshmukh	Role Play	PO1, PO6, PO9, PSO1, PSO2	https://drive.google.com/file/d/1cScSibnyUamJalxhU8B30OuyS6OZICC/view?usp=share_link
TE:CNT	Mr. M.R. Khodaskar, Mr. N.V. Buradkar	Flipped Classroom-Bluetooth, TCP-Header, UDP-Header Topics shall be discussed by the students followed by Q-A session.	PO1, PO6, PO9, PSO1, PSO2	https://drive.google.com/file/d/1-yjirzZ0d_p8QGrL6JjOzFGdOiiiBlpL/view?usp=share_link
SE:FDS TE:DAA	Mrs. N.R. Sodha	Quiz based upon Multiple choice questions is prepared on the topic.	PO2, PO4, PO5, PSO1, PSO2	https://drive.google.com/file/d/1zbJUGkMcSAZ_x1SS_i6xAamrBbOZsOEH/view?usp=share_link https://drive.google.com/file/d/1BfFwGrIYvMLEsHzqccQ3bZ77RWgt6e4E/view?usp=share_link
TE:SL-V	Mrs. K.Y. Digholkar	Quiz-Concepts of System Programming Quiz based upon Multiple choice questions is prepared on the topic.	PO2, PO4, PO5, PSO1, PSO2	https://drive.google.com/file/d/1ikYk0kv8HOqxtrXueXt8B20f12edxg2n/view?usp=share_link
TE:DAA	Mrs.R.V. Kulkarni	Flipped Classroom- Study the algorithms of Merge Sort , Quick Sort and Binary Search. The study material was shared with students. Practice examples are solved on the specified topic.	PO1, PO6, PO9, PSO1, PSO2	https://drive.google.com/file/d/1SNDEbf1jvAj4P3XTs8RjJSfYjhsVD-nU/view?usp=share_link

TE:SP	Mrs. J. B. Jagdale	Use of LMS- Google classroom-For Online communication All material shared with students through this digital medium.	PO1, PO2, PO3, PO5, PSO1, PSO2	https://drive.google.com/file/d/10kyNDiCvcZ2qxQ0AoZF0eFy1v45E9eGW/view?usp=share_link
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DEPARTMENT OF INFORMATION TECHNOLOGY

(Academic Year – 2018-19)

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SE	Mrs. S. H. Chandak	Use of LMS (Moodle Server)	PO1, PO2, PO3, PO5, PSO1, PSO2	https://drive.google.com/file/d/150PptgxOoWTe5401tNsBg64xnVzODNpe/view?usp=share_link
BE	Ms.Rachna R.Chhajed	Recent research On Soft Computing Method	PO1, PO2, PO3, PO5, PSO1, PSO2	https://drive.google.com/file/d/1hG6Q_40zPWnx-2-uXSsdQqEaNws406R/view?usp=share_link