1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum(10)

| Cur ricul um | Dep art men t | Sem | Course Name | Description of course | Whether Address Professional Ethics, Gender, Human Values, Environment and |
|---------------------------|------------------------|------|-------------------------|---|---|
| B. Tech Grad ing | CSE | VIII | CS 805 Major Project | Students work in a group by identifying problem definitions as done in Minor projects. Students study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying others or existing works motivate students to work ethically, and in a group they will learn to respect others views as well. At the end of the semester students will present their work which requires effective presentation and communication as a extension of the work carried under Minor project. Some of the solutions are identified to solve the problems are: Smart Ultrasonic based Blind Stick, Smart Gloves for deaf and dumb, etc. | Sustainability Professional Ethics & human Values |

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| CS 802 Block Chain Technology | distributed database that is shared among the nodes of a computer network. As a database, a blockchain stores information electronically in digital format. Blockchains are best known for their crucial role in cryptocurrency systems, such as Bitcoin, for maintaining a secure and decentralized record of transactions. The innovation with a blockchain is that it guarantees the fidelity and security of a record of | Professional Ethics & human Values |
|-------------------------------------|--|------------------------------------|
| | data and generates trust without the need for a trusted third party. | |

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| | 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | VII | CS 701 Software | | Professional Ethics & |
|---------|---|------------|-----------------|----------------------------|-------------------------|
| | , . | | Architecture | Architecture serves as | human Values |
| 1 × × × | | 1 | | a blueprint for a | numan values |
| | | | | system. It provides an | 4 |
| | | | | abstraction to manage | |
| | | | | the system complexity | |
| | | | | and establish a | |
| | | | | communication and | |
| | | | | coordination mechanism | |
| 0 10 3 | 1. W. T. P. | | | among components. | |
| | | | | among components. | |
| | | 1.48 | | • It defines | |
| | | 300 | | a structured | |
| | | | | solution to | 네트를 하지 못했습니다. 그렇다 |
| | | | | meet all the | |
| | | 100 | | technical and | |
| 1/3 | | | | operational | |
| | | | | requirements, | |
| | | | | while | |
| | | | | optimizing the | |
| * * | | | | common quality | |
| | | | | attributes like | |
| | | | | performance | 그 그는 물이 걸맞아 되었다고 얼마 |
| | | Sea of the | | and security. | |
| | | | | | 그 전화 이 사고 있는 그래까지 이렇게 되 |
| | | | | • Further, it | |
| | | | | involves a set of | |
| | | | | significant | |
| | | | | decisions about | |
| | | , | | the organization | |
| | | 100 | | related to software | |
| | | | | gr (gr 100) | |
| | | | | development and each of | |
| | | | | these decisions | |
| | | | | can have a | |
| | | | | considerable | |
| | | | | impact on | |
| | | | | quality, | |
| | | | | maintainability, | |
| | | | | performance, | |
| | | | | and the overall | |
| | | | | success of the | |
| | | 5.5 | | final product. | |
| 1 1 1 | 20. 1 | | | P. S. S. | |
| 75.8 | | | | | |
| | | | | | |

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Management - Technical Campus INDORE

ຄາວຂ

| | 1.00 | | CS 703 | Cryptography is the | Professional Ethics & |
|-------|-----------|-----------|--|------------------------------|-----------------------|
| | | | Cryptography & | and processes | human Values |
| | | | Information | techniques for secure | |
| | | | Security | communication in the | |
| | | 1 Pag | The state of the s | presence of third parties | |
| | | | | called adversaries. It deals | |
| | | | | with developing and | |
| | | 1.7 | | analyzing protocols which | |
| | | l a se | | prevents malicious third | |
| 172 | | | | parties from retrieving | |
| 7 | 1 1 1 | 1 | | information being shared | |
| 4 404 | | Carl Carl | | between two entities | |
| | | | | thereby following the | |
| | 77 | | | various aspects of | |
| | 1 19 | 200 | | information security. | |
| | | - 6 | | Secure Communication | |
| | 10 AY | | | refers to the scenario | |
| | | | | where the message or data | |
| | | | 100 | shared between two | |
| - 1 | 3.0 | | 5332 | parties can't be accessed | |
| | | | | by an adversary. In | |
| | | 17, 4 | A A A | Cryptography, an | |
| | 1.67 | | The state of the s | Adversary is a malicious | |
| - " | | | | entity, which aims to | |
| | riga a di | | | retrieve precious | |
| | | | and a second | information or data | |
| 1.4.7 | | | | thereby undermining the | |
| - 1 | | | | principles of information | |
| | | - 1 | . 5- | security. | |
| - 1 | | | The second secon | security. | |
| | | | | Data Confidentiality, Data | |
| . | | | | Integrity, Authentication | |
| 89 | | | | and Non-repudiation are | |
| - 1 | | | | core principles of | |
| | | | | modern-day cryptography. | |
| - 75 | | | | modern-day cryptography. | |
| | | | | n 13 | |

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| | | | VI | CS | 607 | An internal in in | Professional Ethics & |
|-------|----------------|-----------------|------------|--------------|-----|---|-----------------------------|
| | | | 100 | Internship | 007 | An internship is a | human Values |
| | | | | - Thomp | | professional learning | numan values |
| 9 | | 1 | | | | experience that offers | |
| | | 1 | | a wy William | | meaningful, practical work related to a student's | |
| 9,5 | | | | | | field of study or career | |
| Se 2 | | | | | | interest. An internship | |
| | | | 2.46 | | | gives a student the | |
| | | | | | | opportunity for career | |
| - 1 | | | | | | exploration and | |
| | | | 8 | | | development, and to learn | |
| | 1 | | | | | new skills. It offers the | |
| | | | | | | employer the opportunity | |
| | | | | | | to bring new ideas and | |
| - 1 | î | | | | | energy into the workplace, | |
| | | | * | | | develop talent and | |
| - 1 | | | 1 | | - 1 | potentially build a | |
| | | | | | | pipeline for future | |
| | | | | | | full-time employees. A | |
| | | | 4 | | * . | quality internship: | |
| - 1 | | | | | 1 | | |
| | | | | | | • Consists of a | |
| | | | | | | part-time or | |
| . 4 | | | | | | full-time work | 교원이 되어 되어싶었다는 바꾸게 된다. |
| | | | | | - 1 | schedule that | |
| | | | 100 | | 7 | includes no more | |
| | N ₂ | - 1 | | | . 4 | than 25% clerical | |
| | - 1 | ** ₂ | | | - 4 | or administrative | 그 그 전체 보는 독일 그 경험이다. |
| | , a 12, | | | | 5 | duties. | 그렇게 생각하다 바쁜 그렇게 다니다. |
| - 1 | - 1 | | | | | Provides a clear | |
| | | | | | | job/project | 보이 돌아왔었다. 시, 싫어하다. |
| | | | | | | description for | 귀하다 네 걸린다 끄다. |
| 1 | | | | | | the work | |
| | | A | | | | experience. | |
| | | | "Carlo Box | | | • Orients the | |
| | | | | | | student to the | |
| | | | | | | organization, its | |
| 3 | | 2 (d) | | | | culture and | |
| | . 183 | | | | | proposed work | |
| | | | | | | assignment(s). | 그 집사장하다 그 하는 마양됐다. |
| | | | | | | Helps the student | 그 하지 않아요. 이 그 이 그리고 하지만 하다. |
| | 1 | | | | | develop and | |
| | | | | | | achieve learning | |
| | | | | | | goals. | |
| | | | | | | Offers regular | |
| | | | | | | feedback to the | |
| | | | | | | student intern. | |
| | | | | | | | |
| - 121 | | . Al | | | 1 | | |
| | | | | | | | A see to the second second |

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| CS 608 Minor Project II | In project II students work in a group by implementing problem definition identified in Major Project-I. Develop and execute a solution without copying others or existing works motivate students to work ethically, and in a group they will learn to respect others views as well. At the end of the semester students | Professional Ethics & human Values |
|----------------------------|---|------------------------------------|
| | will publish their work which requires effective presentation and communication | |

Difector
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Management Technology &

| | п | V | CS 507 Internship | An internship is a | Professional Ethics & |
|------|------------|-----------------|--|--------------------------------------|-----------------------|
| | | | menship | professional learning | human Values |
| | | | , a | experience that offers | |
| | | | | meaningful, practical | |
| | | | | work related to a student's | |
| | | | | field of study or career | |
| e e | | | | interest. An internship | |
| | | | | gives a student the | |
| | | | * 20 | opportunity for career | |
| | | | | exploration and | |
| | | | | development, and to learn | |
| | | | | new skills. It offers the | |
| | | | | employer the opportunity | |
| | | | | to bring new ideas and | |
| | ì | | | energy into the workplace, | |
| | | | 1 110 | develop talent and | |
| | | | 1 2 | potentially build a | |
| | | 1 | F 1 - 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | pipeline for future | |
| | | l _{ai} | | full-time employees. A | |
| | | 155 | | quality internship: | |
| | | 100 | | quanty internship, | |
| | | | A 288 A | | |
| | | | H | Consists of a | |
| | | | e T | part-time or | |
| | 880 | | * 18 | full-time work | |
| | | 1 | | schedule that | |
| | | - | | includes no more | |
| | | l | | than 25% clerical | |
| | | | | or administrative | |
| | į, | | | duties. | |
| | | | | Provides a clear | |
| 8 | | 1 | | job/project | |
| | | | | description for | |
| | | - | | the work | |
| | | | 2 300 | experience. | |
| | | | | Orients the | |
| | . w | | | student to the | |
| ` | <u>.</u> 8 | Nag. | | organization, its | |
| | , | | | culture and | |
| | | | | | |
| | | | | proposed work | |
| | 200 | | | assignment(s). | |
| | 12.7 | | | Helps the student develop and | |
| | 7. | | | develop and | |
| | | | | achieve learning | |
| | | | 1. 1. 1. 1. | goals. | |
| | | | | Offers regular | |
| | | | | feedback to the | |
| | | | | student intern. | |
| | | | | | |
| e 11 | 0.00 | | The part of the pa | | |

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| | CS 508 | Minor | G. 1 | |
|---------|---------------------------------------|--------|-----------------------------|-----------------------|
| | Project I | MILLOL | Students work in a group | Professional Ethics & |
| | 1 Toject 1 | | by identifying problem | human Values |
| i | | | definitions as done in | |
| w | | | Minor projects. Students | |
| | | | study existing systems | |
| | | | and identify problems in | |
| (| | | those existing solutions. | |
| i | | | Finding and elaborating a | |
| | | | solution without copying | |
| | | | others or existing works | |
| × , , , | | | motivate students to work | |
| | | | ethically, and in a group | |
| | | | they will learn to respect | |
| | | | others views as well. At | |
| | | | the end of the semester | |
| | | | students will present their | |
| | | | work which requires | |
| 2 | | | effective presentation and | |
| | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | communication as a | |
| | | | extension of the work | |
| | | | carried under Minor | |
| | | | project. Some of the | |
| | | | solutions are identified to | |
| | | | solve the problems are: | |
| 4 | | | Smart Ultrasonic based | |
| | | | Blind Stick, Smart Gloves | |
| Tay . | | 1 N | for deaf and dumb, etc. | |

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| , , | , | IV | BT-407 | An internship is a | Professional Ethics & |
|--------------|---------|------------|------------|-----------------------------|-----------------------|
| | | | Internship | professional learning | human Values |
| | 4 6 | N 195 N | 1.75 | experience that offers | Takana Takana |
| | | | | meaningful, practical | Carlos Villago |
| | | | | work related to a student's | |
| | | | | field of study or career | |
| | | rand Ba | | interest. An internship | |
| | | | | gives a student the | |
| | | | | opportunity for career | |
| 9 9 | | | | exploration and | |
| | | | | development, and to learn | |
| | | | | new skills. It offers the | |
| | | | | employer the opportunity | |
| 9.5 | | | | to bring new ideas and | |
| | | | | energy into the workplace, | |
| | | 10 | | develop talent and | |
| | | ÷ - | | potentially build a | |
| | 1 | 5 | | pipeline for future | |
| | | | | full-time employees. A | |
| 3 | | | | quality internship: | |
| | | 7 | | 1 | |
| | | | | • Consists of a | |
| | | | | part-time or | |
| | | | | full-time work | 교육하는 하는 말이셨다. |
| - to | | | | schedule that | |
| | | as, * | | includes no more | |
| 100 | | | | than 25% clerical | |
| | | | | or administrative | |
| | | | | duties. | |
| | | | | Provides a clear | |
| | | | | job/project | |
| | | | | description for | |
| | | | | the work | |
| n | , 362 V | | | experience. | |
| | | | | • Orients the | |
| - 1 M | 55 | | | student to the | |
| | | | | organization, its | |
| 8 gr 4 | | | | culture and | |
| | | | | proposed work | |
| | | | | assignment(s). | |
| | | | | Helps the student | |
| | W | | | develop and | |
| | | | | achieve learning | |
| | | | | goals. | |
| | | | | Offers regular | |
| | | | | feedback to the | |
| | | | | student intern. | |
| | | | | - adont mitorii. | |
| a service of | 100 | | | | |
| , K. S | | | | | |

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| 1 | 1 | | | | | |
|--|------|-----|--------|---------------------------|---|---|
| | | | | BT 408 Cyber Security | Students learn how to identify security issues and protect information as well as track down those who steal that data. The objective of Cyber Security is to prevent or mitigate harmor destruction of computer networks, applications, devices, and data. For Cyber Security strategy to succeed, it must continually evolve to keep pace with the shifting strategies and technologies used by hackers. | Professional Ethics & human Values Sustainibility |
| | 9 | | III | ES 310 Energy | This Course is to provide | Environment and |
| | | | | & Environment Engineering | an introduction to energy systems and renewable energy resources, with a | Environment and Sustainability |
| 1 | | | | 2 H 8 | scientific examination of | |
| | | | | | the energy field and an | |
| 1 | | | | | emphasis on alternative | |
| | 1: | 12 | | | energy sources and their technology and | |
| - | | | | , | application. | |
| 1 | B. | ECE | | EC 805 Major | Students work in a group | Professional Ethics & |
| | Tech | | VIII | Project | by identifying problem | human Values |
| | Grad | | | | definitions as done in | |
| - 1 | ing | | | THE ARE SHOWN THE | Minor projects. Students | |
| - | | | 1. 6.5 | | study existing existence | |
| | | | | | study existing systems | |
| | | | | | study existing systems and identify problems in | |
| | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a | |
| | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying | |
| | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying others or existing works | |
| | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying others or existing works motivate students to work | |
| | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying others or existing works motivate students to work ethically, and in a group | |
| | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying others or existing works motivate students to work ethically, and in a group they will learn to respect others views as well. At | |
| | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying others or existing works motivate students to work ethically, and in a group they will learn to respect others views as well. At the end of the semester | |
| | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying others or existing works motivate students to work ethically, and in a group they will learn to respect others views as well. At the end of the semester students will present their | |
| | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying others or existing works motivate students to work ethically, and in a group they will learn to respect others views as well. At the end of the semester students will present their work which requires | |
| | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying others or existing works motivate students to work ethically, and in a group they will learn to respect others views as well. At the end of the semester students will present their work which requires effective presentation and | |
| | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying others or existing works motivate students to work ethically, and in a group they will learn to respect others views as well. At the end of the semester students will present their work which requires effective presentation and | |
| | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying others or existing works motivate students to work ethically, and in a group they will learn to respect others views as well. At the end of the semester students will present their work which requires effective presentation and communication as a extension of the work carried under Major | |
| | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying others or existing works motivate students to work ethically, and in a group they will learn to respect others views as well. At the end of the semester students will present their work which requires effective presentation and communication as a extension of the work carried under Major project. Some of the | |
| | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying others or existing works motivate students to work ethically, and in a group they will learn to respect others views as well. At the end of the semester students will present their work which requires effective presentation and communication as a extension of the work carried under Major project. Some of the solutions are identified to | |
| | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying others or existing works motivate students to work ethically, and in a group they will learn to respect others views as well. At the end of the semester students will present their work which requires effective presentation and communication as a extension of the work carried under Major project. Some of the solutions are identified to solve the problems are: | |
| | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying others or existing works motivate students to work ethically, and in a group they will learn to respect others views as well. At the end of the semester students will present their work which requires effective presentation and communication as a extension of the work carried under Major project. Some of the solutions are identified to solve the problems are: Smart Ultrasonic based | |
| A STATE OF THE STA | | | | | study existing systems and identify problems in those existing solutions. Finding and elaborating a solution without copying others or existing works motivate students to work ethically, and in a group they will learn to respect others views as well. At the end of the semester students will present their work which requires effective presentation and communication as a extension of the work carried under Major project. Some of the solutions are identified to solve the problems are: | |

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