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Academic Year: 2022-23

Project Title: **Automatic Attendance Tracing Using Image Processing in Python**

Type of Project: **Application Oriented/Design Oriented/Research Oriented**

Project Guide: Mrs. Bondada Savithri

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| **PROGRAM OUTCOMES** | | | |
| PO1 | Engineering knowledge | PO7 | Environment and sustainability |
| PO2 | Problem analysis | PO8 | Ethics |
| PO3 | Design/development of solutions | PO9 | Individual and team work |
| PO4 | Conduct investigations of complex problems | PO10 | Communication |
| PO5 | Modern tool usage | PO11 | Project management and finance |
| PO6 | The engineer and society | PO12 | Lifelong learning |

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| **PROGRAM SPECIFIC OUTCOMES** | |
| PSO1 | Provide sustainable solutions in the field of Communication and Signal Processing. |
| PSO2 | Apply current technologies in the field of VLSI and embedded systems for professional  growth. |

**CONCLUSION STATEMENTS**

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| **S.No** | **Description** | **Attained COs** | **Attained POs/PSOs** |
| 1 | Identified manual attendance tracking systems and their problems. | CO1 | PO1 |
| 2 | Analyzed the problems encountered in attendance recording. | CO1, CO2 | PO2, PO3,  PO4, PO5,  PO9 |
| 3 | Researched about ways to detect and identify face for automatic attendance. | CO3 | PO2, PO7,  PSO1 |
| 4 | Literatures were reviewed about classroom attendance using image processing from various authors. | CO2 | PO2, PO7 |
| 5 | A new method for Automatic attendance tracing is proposed. | CO2, CO3 | PO3, PO5,  PO8 |
| 6 | Compared this method with existing methods. | CO2 | PO4, PO7 |
| 7 | New techniques were added to make a new and better solution for the problem. | CO5 | PO3, PO8,  PSO1 |
| 8 | Concluded and analysed the solution and presented it. | CO2, CO4  CO5 | PO9, PO10.  PO11, PSO2 |

**Signature of the Team members**

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