APPENDIX 1

RELEVANCE OF PROJECT TO POs / PSOs

Title of Project	Sentiment analysis of twitter data using python
Implementation Details	Python
Cost (hardware or software cost)	-NA-
Type (Application, Product, Research, Review, etc.)	APPLICATION

Mapping with POs and PSOs with Justification														
Relevance	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2
	2	2	2	2	3	2	2	3	2	3	3	3	3	2
Program Outcomes Justification	PO1: Engineering Knowledge: SDLC phases are followed in the execution of the project. PO2: Problem Analysis: The different steps involved in Problem Analysis for formulation of the solution i.e. literature survey and use of fundamental subject knowledge has been followed. PO3: Design/Development of solutions: Existing strategy has been enhanced using the design principles. PO4: Conduct investigation of complex problems: Research based Knowledge including design of experiments, analysis and interpretation of data is used. PO5: Modern Tool Usage: Python modules are used. PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to access societal health and safety. PO7: Environment and sustainability: The impact of professional engineering solution in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. PO8: Ethics: Professional ethics during the various stages of Project completion have been followed. PO9: Individual and Team Work: Students have worked both in individual as well as team capacity during the various stages of project work. PO10: Communication: Effective communication with team members and during project reviews, project seminar and viva-voce has been exhibited. PO11: Project management and finance: Knowledge of engineering and management principles and apply these to one's own work, as a member and a leader in a team, to manage projects in multidisciplinary environments. PO12: Lifelong Learning. The project carried out gives the students scope to continue the work in the python programming language in the future.														
Program Specific Outcomes	PSO1: Use of python standard libraries and community contributed python modules. PSO2: Use of sentiment analysis to characterize sentiment of a text unit.														

APPENDIX 2

GANTT CHART

SENTIMENT ANALYSIS OF TWITTER DATA USING PYTHON

| PROJECT PLAN | | | | | | Period Highligh 1 | Plan Duration | Actual Start | % Complete | Actual (beyond plan) | % Complete (beyond plan) |

ACTIVITY	PLAN START (WEEK NO.)	PLAN DURATION (NO. OF WEEKS)	ACTUAL START (WEEK NO.)	ACTUAL DURATION (NO. OF WEEKS)	PERCENT COMPLETE	PERIODS
Problem Definition	1	2	1	3	100%	
Abstract	3	1	3	1	100%	
Literature Survey	3	8	3	9	100%	
System Analysis	9	5	9	6	100%	
REVIEW I	16	1	16	1	100%	
System Design	17	2	17	3	100%	
Implementation	19	10	19	12	100%	
Testing	30	2	30	2	100%	
Documentation	3	32	6	29	100%	
REVIEW II	32	1	32	1	100%	