IOWA STATE UNIVERSITY

Department of Electrical and Computer Engineer	ing Senior Design Project Proposal Form				
Client/Company/Organization: Iowa State Unive					
Submitter (name): Nir Keren/Mani Mina	Email: nir@iastate.edu; mmina@iastate.edu				
Project Contact: Nir Keren	Email: nir@iastate.edu				
Project Title:					
Web Portal for Diagnosing Learning Style (WP)					
Project Abstract (include ALL project goal(s), design	constraints, and technical approaches and tools):				
	two decades in attempts to understand how students be evaluate learning. Yet the challenges remain. This portal for diagnosing learning style (WP).				
The WP is a problem solving simulator for identi information processing and solution analysis (se					
The WP will deployed over the web. WP will allowell-designed user interfaces, databases for datagated with userID's and Passwords.	ow for easy authoring of problems; that includes a collection, analyzers, etc. The system should be				
Expected Deliverables (include expected schedule, o	cannot be open-ended, must list at least one deliverable):				
Operable, web-based application for WP	iannot se open endea, massins as ieus one aem orașie,				
Specialized Resources Provided by Client (be as spec	cific as you can):				
Anticipated Cost: \$500 Fina	ncial Resources Provided by Client (if any): \$500				
	DNAA software, and access to resources in ECpE teaching				
Enter # Students Preferred/Required: ○ Electrical Engineering ② Computer Engineering ③ Software Engineering ○ Other (specify):	Special Skills Required of Students (be specific):				

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Anticipated Client Inte	eraction (estimate):							
■ 1 meeting per week	(
☐ phone, ☐ internet, ■ live								
☐ 1 meeting per mon	th							
☐ phone, ☐ internet, ☐ live								
☐ 2 or more meetings	per month							
☐ phone, ☐ internet, ☐ live								
☐ 1 meeting per seme	ester							
☐ phone, ☐ in	ternet, □ live							
Meeting ABET Criteria	1							
Please rate the followi	ng statements as the	y relate to your proposed pro	ject:					
0 – Not at all	1 – A Little	2 – Somewhat	3 – A Lot			4 – Completely		
On this project, studer science, and engineeri		knowledge of mathematics,	□ 0	□1	□ 2	■ 3	□ 4	
This project gives students an opportunity to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability			nt, □0	1	□ 2	□3	= 4	
This project involves students from a variety of programs, i.e., SE, EE, and CprE			l □0	□1	□ 2	■ 3	□ 4	
This project requires s engineering problems		ormulate, and solve	□0	□1	□ 2	□3	4	
This project gives students an opportunity to use the techniques, skills, and modern engineering tools necessary for engineering practice			□0	□1	□ 2	□3	4	
Project Approval – for	use by ECpE Senior L	_						
☐ Approved		☐ Not Approv	ved					
☐ Faculty Advisor Assi	gned:							
☐ Project Number Ass	igned:							

sources. Employees are considered overexposed if noise level exceeds 90 dB during the entire 8 hours of a shift. Information Please present your solution in details in the dialog box below. Do not forget to submit your solution upon completing employees at the facility are at risk of being overexposed to noise induced by the equipment. Employees in the facility are The following three pieces of equipment are located in a manufacturing facility. You are being asked to evaluate whether The Nature of Sound exposed to the noise 8 hours a day. The noise power in watts [W] and noise level in decibel [dB] are available next to the Amplitude of Sound Anatomy of the Ear Waves Information Buttons Frequency of Sound Acoustic Power and Solution(s) Similar Waves æ 👍 on sound and noise will be revealed upon "clicking" on the information buttons. Submit your Solution SOURCES OF NOISE P=0.00100 [W] L= 87 [dB] L= 88 [dB] P= 0.00123 [W] typing in the box. P = 0.00056 [W]L= 86 [dB]