

CSCI 5510 Project Proposal Review Form

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| Your Group ID | 12 |
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| Reviewed Project Proposal Title | Fast and accurate recognizing human actions in massive still images. |
| Summary (Write a paragraph to summarize the proposal. E.g, motivation, main function, benefit, existing resources, techniques, demonstration, etc.) | The focus of this proposal is to effectively recognize human actions in massive still images mainly based on some semantic description skills and big data techniques. Specifically, the authors aim to combine Object Bank method and Locality-constrained Linear Coding to depict human actions and utilize Locality-sensitive Hashing to scalably distinguish them. Overall, the work is meaningful, the proposal is clearly organized and demonstrated, and authors are well-prepared. |

| Aspect | Rating* | Detail Comment and Suggestion |
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| Novelty | 3 | The problem in the work was studied years ago but is still popular waiting for some breakthrough. Previously, most works concentrate on the accurate recognition. Besides this, this proposal also wants to enhance the speed at the same time, which will make the application more useful. |
| Significance | 5 | Human actions recognition is a vital and challenging area in computer vision research. It can be useful in many applications like video surveillance, analysis, annotation and search. |
| Related work (Are related work thoroughly investigated? Are references of related work provided?) | 4 | Related work is well organized in different categories including human action recognition, methods avoid reasoning human poses, extracting image features, improving scalability and searching similarity items. The latest works of each category are listed and simply introduced. |
| Technical quality (Does the author have a plan about what techniques or resources he/she will use?) | 4 | A technique plan is provided. Simple introduce, functions and advantages are also given for techniques like object bank method, locality-constrained linear coding and locality-sensitive hashing. |
| Clarity (How is the overall organization and clarity of the | 4 | The proposal is concise and representative. It contains all the necessary parts (motivation, related work, technique to be used, dataset description, timeline and references). Each part is clearly grouped in different subsections by |

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| proposal?) | | correlation. |
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*Rating: 5: positive,4: weak positive,3: neutral,2: weak negative,1: negative