



SDI Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_42956
Title of the Manuscript:	Remanufacturing as a Service Embedded within Closed Loop Cloud Manufacturing System-Literature Review based Design
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	The article has an inconsistent referencing style used. Sometimes the [2] is used in other occasions (<i>Lee et al., 2014</i>) this different style is used. This has to be corrected! ABSTRACT (needs to be rewritten and shortened) The language used needs to be massively improved and clarified. This is also too long and should be shortened to possibly half a page! Here are some suggested improvements Aims: Current literatures inventories of both cloud manufacturing and remanufacturing are reviewed to conclude enablers to embed the remanufacturing as a service within the infrastructure of cloud manufacturing to service closed loop supply chain of sustainable manufacturing. To find out architecture of cloud manufacturing to enable embedding of remanufacturing as a service to help educational institutions conduct business seeking for human development , employment and value creation as a contribution to close the loop of supply chain for sustainable production. The study is a request to take in consideration educational institutions that are part of global economy through remanufacturing. Study design: Recent cloud manufacturing architectures are combined to be modelled. These will take into consideration remanufacturing as a service conducted by educational institutions .	The abstract is lessened and the introduction also. Part 2 is lengthened and the whole paper is re-read and modified. Part 3 is modified. Figures are modified to be clearer. Referencing is modified. (Sorry I cannot fill in the blank cells of this table so I wrote here only) All compulsory points are modified according to Reviewer's comment



	Methodology: Comparative literature is used to find out some statistics <u>that show the directives of literature to help embed remanufacturing within the architecture of cloud manufacturing. Thus the statement of enablers can be proposed and the architecture of cloud manufacturing as a service emerge. Review of literature enables classification of macro-literature, micro-literature and barriers of remanufacturing. This can be used in analog control systems for assessment of literature maturity in two directions of embedding remanufacturing and educational institutions. The group of enablers for such aims are proposed for the attention of researchers. Controlling algorithms, structures, statics are proposed based on architectures and methodologies in fields of cloud manufacturing to embed remanufacturing in the cloud.</u> Results: <u>Such sustainable approach is more suitable to be applied within societies that suffer from non-clear human development, lower education standards, without industrial infrastructure and weak communication technologies where increasing awareness of environment protection required business for value creation to be conducted. Remanufacturing will enable such societies to be linked with industrial institutions economy by establishing remanufacturing business model which is embedded as a service within the cloud manufacturing. This approach will encourage such societies to apply strict regulations to protect customer and increase value-added of imported products which end the cheap product paradigm and new markets can be included. Eco-design and eco-innovation will be crowdsourced as collaboration between university and industry. Customer integrated product development to establish product as a mixture of new and remanufactured modules according to database which is constructed through remanufacturing business and sustainable product service system. Targeted societies will be big warehouses instead of big landfills where legislation to extend producer responsibility cannot be applied. Resources of universities are integrated to process the remanufactured products and value creation will be certain sustainability based on human development, employment and ecosystem establishment.</u> 1. INTRODUCTION 18 1.1 Literature Assessment line 19-49 This part needs to be shortened. Go straight to the point many sentences can be omitted and condensed into a single sentence. You are explaining obvious details related to cloud remanufacturing business models. The whole part can be combined into 4-5 lines at most. There are many language mistakes that need to be cleared up to make it readable. Fig. 1 the fonts used are too big in comparison with the main text. Kindly correct it Fig. 2 the fonts used are too big. Kindly correct. For fig. 1 and fig. 2 what do the numbers represent. There is no explanation of this or a reference scale! Lines 50-76. Again there are many parts that need to be improved and clarified. It is possible to summarize some parts. e.g Sustainable development is recognized as a long-term oriented strategy to concern both 62 current and future generations. It is thus crucial to combine short-term and long-term goals. 63 For manufacturing to be sustainable development, long-term and short-term actions are 64 required. But even long-term perspective is essential for manufacturing organizations to 65 achieve sustainable development. However, analysis can show that the time perspective is 66 taken rarely with emphasize on short-term thinking for sustainability but the need to focus on 67 both long and short-term aspects is highly required [7]. This could be summarized to 'literature shows that the long term perspective and sustainability are ignored....'	
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	Lines 77-137 Again this part can be shortened. There is a lot of repetition. Go straight to the point and summarize. The writing style here is more clear than that of the previous parts. 1.3 Literature Statement Lines 139- 196 This part is ok. Fig. 3 is neat and tidy and clear Fig. 4 is ok and tidy. Perhaps the font size can be increased to make it more readable 2 Literature Review 2.1 Drawbacks of Recent development of Cloud Integrated Remanufacturing This part is more clear and concise. It is more readable than the previous parts Lines 201- 261. This part of the literature review is in point form. Some more explanation would do. Just a few lines. (It is suggested to add more to this part and condense the introduction parts just previously mentioned. Like the literature assessment part is too long compared to this part). Fig. 5/6 are ok. 3 MOTIVATIONS OF CLOUD MANUFACTURING OF REMANUFACTURING AS A SERVICE SYSTEM Again this part is in point form and this is the main topic of this paper. Kindly provide 3-4 sentences that introduce this motivation of cloud manufacturing before the points and perhaps even a conclusion or 3 lines of comments at the end part. 262-289 4. CLOUD MANUFACTURING OF REMANUFACTURING AS A SERVICE EMERGING ENABLES This title does not make sense at all! Perhaps it is meant to imply CLOUD RE-MANUFACTURING EMERGING AS AN ENABLING SERVICE ? or THE EMERGING OF CLOUD RE-MANUFACTURING AS AN ENABLING SERVICE? (KINDLY CORRECT THIS TITLE TO MAKE SENSE) Lines 292-372. ARE WELL WRITTEN BUT CAN BE IMPROVED! FIG.7 THE FONTS ARE TOO SMALL TO READ! KINDLY ENLARGE. THE DIAGRAM IS QUITE NICE AND LOOKS GOOD FIG. 8 IS OK! 5. REQUIREMENTS OF CLOUD MANUFACTURING OF REMANUFACTURING AS A SERVICE [13] THIS IS OK. KINDLY ADD THREE LINES TO EXPLAIN THE POINTS YOU PRESENT LINES 380-402 OK PROPOSED CLOSED LOOP CLOUD MANUFACTURING OF 403 REMANUFACTURING AS A SERVICE THIS PART IS OK FIG. 9 THE FONTS ARE TOO SMALL KINDLY ENLARGE FIG. 10 ENLARGE FONTS IF POSSIBLE	
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	7. RESULTS DISCUSSION AND CONCLUSION THIS PART IS OK. PERHAPS A BIT TOO SHORT COMPARED TO THE EXCESSIVELY LENGHTY INTRODUCTION. LINES 483-486 ARE OVERLAPPING. THIS IS UNTIDY. Kindly correct! REFERENCES PART THERE ARE ENOUGH REFERENCES FOR SURE. BUT KINDLY CHECK THE STYLE TO SEE IF IT IS CORRECT. SOME GENERAL COMMENTS: There are inconsistencies and errors in the writing style all over the paper. The paper needs to be improved in terms of its writing style and use of language. The inconsistencies need to be corrected. Also perhaps there should be more flow and cohesion between the different parts of the paper. I suggest that the paper is strongly revised. On the other hand the author/s seem to have done a colossal job for writing this paper and have done a lot of work and research.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments	I suggest that the paper is proof read by a colleague or another person before it is finally sent.	