



FORMAT FOR STUDENT PROJECT PROPOSAL FOR THE 42nd SERIES OF STUDENT PROJECT PROGRAMME

STREAM C: PROJECT PROPOSAL FOR STUDENT PROJECT PROGRAMME

(Hand written proposals will not be accepted, please fill all the details in this MS word file as per the following format. Kindly take a photocopy of completely filled project proposal and Demand Draft for filling up the Google Forms.) <https://goo.gl/forms/UsiS6ODB0BZL2QC3> For details please Contact email: spp@kscst.iisc.ernet.in and visit <http://www.kscst.iisc.ernet.in/spp.html> Telephone: 080 23600978, 080 23341652 Extn.25

1.	Name of the College: G.M. Institute of Technology, Davangere.
2.	Project Title: "Thermal analysis of pottery mud"
3.	Branch: Department Of Mechanical Engineering
4.	Broad Theme / Category (as per KSCST poster) : Category-C
5.	Name(s) of project guide(s) : Name : Dr. Rajakumar D.G. Email id : Rajakumardg@gmit.ac.in Contact No. : +91 9449974047
6.	Name of Team Members (Strictly not more than four students in a batch): (Please paste the latest passport size photograph adjacent to your respective names) 1. Name : Shashank B G USN No. : 4GM15ME082 Email id : Shashankbgoudar@gmail.com Mobile No. : +91 8892094411 2. Name : T G Abhinandan USN No. : 4GM15ME092 Email id : Abhinandan1141@gmail.com Mobile No.: +91 8151898497 3. Name : Vinay Patil USN No. : 4GM15ME098 Email id : Vinaypatil607vrp@gmail.com Mobile No.: +91 8792844578

7.	Team Leader of the Project : Name : Vinay Patil USN No. : 4GM15ME098 Email id : Vinaypatil607vrp@gmail.com Mobile No. : +91 8792844578
8.	Processing Fee Details (Demand Draft should be drawn from Canara Bank /State Bank of India only): (processing fee of Rs. 1000/- drawn in favour of Secretary, KSCST, Bangalore – 12) Demand Draft No :270547 Date :10-01-2019 Bank name : Canara Bank Note: Please indicate Team Leader name, Project Title and Name of the College on the backside of the DD.
9.	Date of commencement of the Project : January 10, 2019
10.	Probable date of completion of the project : May 10, 2019
11.	Scope / Objectives of the project: <ol style="list-style-type: none"> 1. To collect the information related to process of making mud pottery. 2. To prepare various components of mud and other ingredients. 3. To carry out performance test. 4. To conclude the remarks obtained from the study.
12.	Methodology : The process of making a vessel is divided into a series of activities and choices, schematically represented in below fig, the preparation of the paste, the construction of the vessel, followed by one or more finishing treatments and the firing of the finished product. Each of these four steps involves a series of possibilities and choices, embedded in traditions and technologies. The potter will always start with a ‘model’ in mind of the vessel as per the pot maker. Present study model includes guidelines for all aspects (technological, functional, and other requirements) of the vessel and will determine its properties and characteristics. The most important conditions and possibilities can be formulated by exploring for each step the decision-making process. The analysis of the manufacturing techniques is aimed mainly at defining specific properties of a vessel in relation to its types of use. Much attention is given to the study of the fabrics as a major determinant of vessel properties, notably mechanical and thermal strength [18].

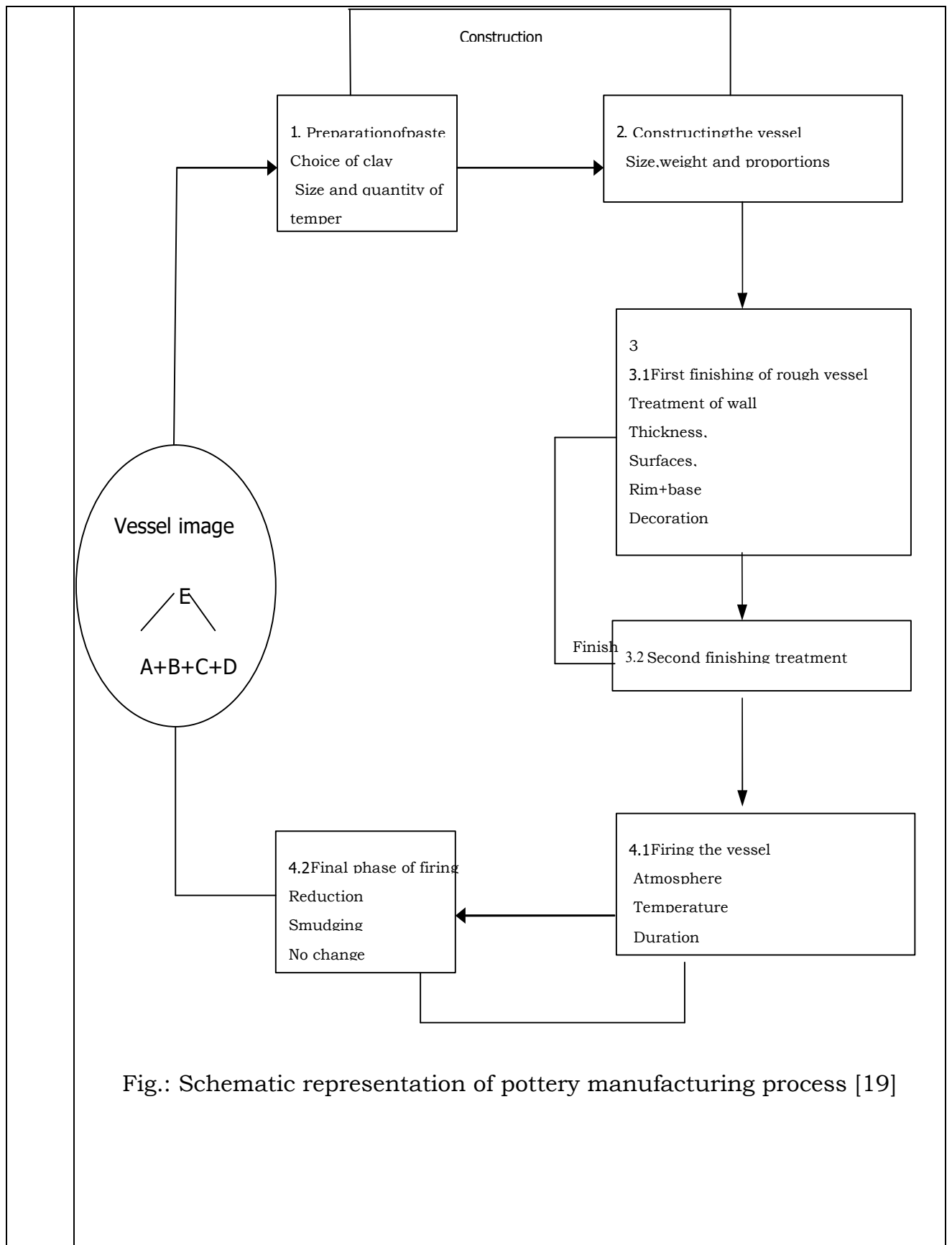


Fig.: Schematic representation of pottery manufacturing process [19]

13.	Expected Outcome of the project : <ol style="list-style-type: none"> 1. Identifying characteristic features of the mud sand considering its ingredients. 2. Identifying the various manufacturing process for the pot making with varying mixing proportions of mud. 3. Analysing the thermal properties of processed/manufactured mud pots considering its difference of temperature. 4. Envisages the usage of processed mud pots for various domestic and small scale applications. 														
14.	Application of the project : <ol style="list-style-type: none"> 1. Industry 2. Commercial use 														
15.	Is the project proposed relevant to the Industry or Institution: Yes														
16.	Can the product or process developed in the project be taken up for filing a Patent : Yes														
17.	Cost of the project : <table border="1"> <thead> <tr> <th>Budget</th><th>Amount</th></tr> </thead> <tbody> <tr> <td>a) Materials / Consumables</td><td>3000</td></tr> <tr> <td>b) Labor</td><td>2000</td></tr> <tr> <td>c) Travel</td><td>1000</td></tr> <tr> <td>d) Report</td><td>1000</td></tr> <tr> <td>e) Miscellaneous</td><td>1000</td></tr> <tr> <td>Total</td><td>8000</td></tr> </tbody> </table>	Budget	Amount	a) Materials / Consumables	3000	b) Labor	2000	c) Travel	1000	d) Report	1000	e) Miscellaneous	1000	Total	8000
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18.	<p>SPP Coordinator (Identified by the college) :</p> <p>(Note: KSCST will be providing financial and technical support to student projects and these projects will be evaluated by experts in identified nodal centres. There will be interaction between students and experts to fine-tune the project in the nodal centre. The project recommended by experts will be selected for state level Seminar and exhibition. Hence the role of SPP Co-ordinator is very important to KSCST regarding receipt of project sanctioned, amount released to the College, informing the concerned project guides regarding evaluation of projects and sending the softcopy and hardcopy of the reports to KSCST.</p> <p>Further interacting with the Principal of the institution in submission of statement of expenditure, etc. Hence it is requested that the Principal of the institution to nominate the SPP Co-ordinator for smooth functioning of educational Programmes of KSCST.)</p> <p>Name: Dr. Srinivasa C V</p> <p>Email id : srinivasacv@gmit.ac.in</p> <p>Contact No.: 9448588792</p>
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(Name &Signature of Project Guide with Seal)

Email id: rajakumardg@gmit.ac.in

Contact No.: 9449974047

(Name &Signature of HOD with Seal)

Email id: sreedharbr@gmit.ac.in

Contact No.: 9448394632

DECLARATION

(From Project Students)

We, the project team hereby declare that the details enclosed in the project proposal are true and correct to the best of our knowledge and belief and we undertake to inform KSCST of any changes therein in the project tile, students name will be intimated immediately. In case any of the above information is found to be false or untrue or misleading, we are aware that we may be held liable for it. We hereby authorize sharing of the project information with this project proposal with the Karnataka State Council for Science and Technology, Bangalore.

We are aware that the project team has to exhibit / demonstrate the project in the nodal centre and interact regarding project with the experts and to exhibit the project in the State Level Seminar and Exhibition (if selected). If the student team fails to attend the evaluation in nodal centre or fails to attend the State Level Seminar and Exhibition, the supported project amount will be returned back to KSCST.

We also hereby, enclose the endorsement form to KSCST, Bengaluru.

Name of the students

1. Shashank B G
2. T G Abhinandan
3. Vinay Patil

Signature with date

ENDORSEMENT

(From College, endorsement to be taken in the institution / Department Letter head)

This is to certify that 1) Shashank B G 2) T G Abhinandan 3) Vinay Patil are bonafide students of Department of Mechanical engineering in the degree program of our institution. If the project proposal submitted by these students under the 42nd Series of Student Project Programme is selected by KSCST, we will provide the requisite laboratory / Computer / infrastructure support in our college / Institution. Further we also take necessary steps to see that the project team will exhibit / demonstrate their project in the nodal centre and in the State Level Seminar and Exhibition (if selected). If the student team fails to send the completed project report or fails to attend the evaluation in nodal centre or fails to attend the State Level Seminar and Exhibition, the supported project amount will be returned back to KSCST.

(Name & Signature of Project Guide with Seal)

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Contact No.:9449974047

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(Signature of the Principal with Seal)

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