



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SKMM 3915 INDUSTRIAL TRAINING

SECTION 01

SESSION 2019/2020-3

DAILY LOGBOOK

NAME : NURUL SYAZWANI BINTI ZA'BA
MATRIC NO : A17KM0381
PROGRAMME : 3SKMM
COMPANY'S NAME : AC MECA (M) SDN. BHD.
PERIOD : 19TH JULY 2020- 9TH OCTOBER 2020

Log Book From 19-07-2020 To 25-07-2020

Num.	Date	Day	Log/Activity
1	19-07-2020	Sunday	-N/A-
			<p><u>ACTIVITY</u></p> <p>(1) I registered to the company. Then, direct to the office on the second floor, waiting for Mrs Chee, the financial manager of AC Meca (M) Sdn Bhd. Mrs Chee give rough explain about the company and introduce several staffs. After that, we have been toured around the company and had been introduced to all the staff member</p> <ul style="list-style-type: none"> • Mr. Chan Chee Leong as the manager • Mrs. Chee as the human resource manager • Mrs. Jessi as purchase and sales manager • Mr Sazali, Mr Sham, Mr Adan • Iqbal as operation executive and supervisor for internship student <p>(2) Around 8.30 am, had been introduced to a computer numerical control (CNC) router machine by Mr. Iqbal which located in the workshop and he gave a thorough explanation as well as about how to run the machine that is used for cutting various hard materials, such as wood, composites, aluminium and glass.</p> <p>I also had been demonstrated by him about how to cut a piece of wood using the router machine. The machine is controlled by a controller and to control the tool of the machine, there are also codes to be learn that are extracted out of a specific software.</p> <p>Learn the safety rules upon entering the workshop, the place where a machines are fabricated. The rules as followed, wearing safety boot, gloves to run the machine and Google when running machine involving wood.</p> <p>(3) At 2 pm, had learn the use of nanoCAD software to build a 2D design. I also had been assigned to excrete a 2D design using the software out of a 2D drawing given. The software is just as similar as autoCAD where a 2D design can be created.</p>
2	20-07-2020	Monday	

Num.	Date	Day	Log/Activity
3	21-07-2020	Tuesday	<p data-bbox="625 239 1353 275"><u>ACTIVITY</u></p> <p data-bbox="625 315 1353 488">(1) I have been assigned to finish drawing using autoCAD or nanoCAD. The theme for the drawing are based on the shape of metal given. Before that, i calculated the full dimension of the metal including circle and chamfer.</p> <p data-bbox="625 535 1353 571">I faced so many challenges to finish the task :</p> <ol data-bbox="671 607 1353 898" style="list-style-type: none"> <li data-bbox="671 607 1353 678">1. Error occurs due to parallax error because of measuring tape. <li data-bbox="671 683 1353 754">2. Error due to the material as the other part of metal have been broken. <li data-bbox="671 759 1353 795">3. Error due to lack of skill in autocad or nanocad. <li data-bbox="671 799 1353 898">4. Error during reading the vernier calliper and measuring tape. Eyes is not perpendicular to the tools. <p data-bbox="625 943 1353 1014">At the end, i successfully finish the task around 1.30 pm.</p> <p data-bbox="625 1055 1353 1234">(2) I had first meeting with the manager of AC MECA (M) SDN BHD, Mr Leong. The content of meeting mostly about the module prepared by the company. In the module stated the objective and the schedule for 12 weeks of internship.</p> <p data-bbox="625 1274 1353 1453">The objective is about to expose the intern student for actual sample products fabrication and process planning with CNC router machine, Ucam V11 software, factory equipment and tooling. To manipulate and understanding the process flow of a product design.</p> <p data-bbox="625 1494 1353 1565">So, from this module i get the rough idea of what will be assign to me for this 12 weeks of internship.</p>

Num.	Date	Day	Log/Activity
4	22-07-2020	Wednesday	<p data-bbox="625 239 1350 275"><u>ACTIVITY</u></p> <p data-bbox="625 315 1350 495">(1) I started my day downloading Ucam and going through the demo inside the DVD. There are overall 16 video tutorial on CAD function to be finish but i only watched 4 videos first. The videos include installation, text editing, graphics and image and node editing.</p> <ul data-bbox="671 539 1350 969" style="list-style-type: none"> <li data-bbox="671 539 1350 712">• The best part after watching the video is when i try to edit the text. This Ucam app is different from the one i have tried before, solidwork. It can only be accessed by using USB (license) to start the drawing. <li data-bbox="671 719 1350 860">• For graphics and image, there are a lot to try. At first, it quite hard to edit the graphic from Ucam but after tried several time and make it familiar, everything just so good and a lot easier. <li data-bbox="671 866 1350 969">• Node editing teach me on how to break the fix shape into several part and shaping the object into desired shape. <p data-bbox="625 1088 1350 1261">(2) After that, Iqbal brought us tour around the workplace where there a lot of machine including CNC router, CNC water jet, and CNC plasma among others. Tool bit also important in this touring as it will be used by the machine.</p> <ul data-bbox="671 1305 1350 1518" style="list-style-type: none"> <li data-bbox="671 1305 1350 1518">• Each machine have been explained in very detail. There are two machine that attracted me which are lay machine and drilling machine. I have been seen those two machine in my father's workshop and because of that i feel more curious and want to learn more about the machine. <p data-bbox="625 1637 1350 1850">(3) Apart from that, i filled my time with improving my skill in autoCAD. Have been known the important of autoCAD in this program or project, it make me feel want to try out and explore more in this field. The theme of my drawing for today is android and i successfully finished the drawing before i am going back.</p> <p data-bbox="625 1895 1350 1989">##3rd day are just fascinate just like a day before. There a lot to be learned everyday and i never waste my time doing unuseful thing##</p>

Num.	Date	Day	Log/Activity
5	23-07-2020	Thursday	<p><u>ACTIVITY</u></p> <p>(1) Upon arrival, i completed the daily log book/report in its.utm.my and e-portfolio. It takes around two hours to write and edit the information. After so long not update the eportfolio, the awkwardness and forgotten using the app totally hunt me. I need to rewatch the tutorial and make use the app before continue writing the information.</p> <p>(2) In the afternoon, i started continue watching the demo of Ucamcam. Make use the Ucamcam Pro V11 till i familiar with the app.</p> <p>(3) After that, supervisor (iqbal) give me a task regarding Ucamcam. The task is more likely to choose between profile machining and area clearance. To obviously learn the profile machining and area clearance, Iqbal teach very clearly and explained in detailed. For this task, profile machining is more suitable compare with area clearance.</p>
6	24-07-2020	Friday	<p><u>ACTIVITY</u></p> <p>(1) For this whole day, i practiced using both nanoCAD and Ucamcam Pro V11. The theme of the nanoCAD that day was an anime, batman and mickey mouse. Both of this sketches involved so many circle.</p>
7	25-07-2020	Saturday	**I take emergency leave because my brother just pass away

Company Supervisor Signature

8.2 - TABLE OF DAILY/WEEKLY STUDENT ACTIVITY AND ASSESSMENT FORM BY COMPANY/ORGANIZATION SUPERVISOR

SUMMARY OF ACTIVITIES			WORKING WEEK :
Date		Work Summary/Daily Activities	Duration Hours
From	Upto		
19/7	25/7	- Expose to facility in factory. - Expose to function for CNC router - Learn Ucam software	

Instruction to supervisor:

Please refer to the student report in Table 8.4 before accessing and commenting. Please (✓) in the appropriate box.

1. Poor
2. Unsatisfactory
3. Satisfactory
4. Good
5. Excellent

WEEKLY EVALUATION OF SUPERVISOR IN COMPANY/ORGANIZATION

Work performance and student report:	Supervisor's signature & date : 
	Name : CHAN CHEE HONG
	Post & stamp : Project Manager
	Date : 4/8/2020
1 2 3 4 5 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
Comments:	

Log Book From 26-07-2020 To 01-08-2020

Num.	Date	Day	Log/Activity
1	26-07-2020	Sunday	-N/A-
2	27-07-2020	Monday	I was on Bereavement leave following the death of brother
3	28-07-2020	Tuesday	I was on Bereavement leave following the death of brother
4	29-07-2020	Wednesday	I was on Bereavement leave following the death of brother
5	30-07-2020	Thursday	I was on Bereavement leave following the death of brother
6	31-07-2020	Friday	-N/A-
7	01-08-2020	Saturday	-N/A-

Company Supervisor Signature



Log Book From 02-08-2020 To 08-08-2020

Num.	Date	Day	Log/Activity
1	02-08-2020	Sunday	-N/A-
2	03-08-2020	Monday	<p data-bbox="624 353 1353 394"><u>ACTIVITY</u></p> <p data-bbox="624 427 1353 573">(1) At 8 am, discussing the rough ideas what will be doing this week based on schedule planned by the company. Still on Ucam V11 software programming.</p> <ul data-bbox="671 611 1182 808" style="list-style-type: none"> <li data-bbox="671 611 1094 645">• Introducing 2D and 3D CAD <li data-bbox="671 667 1134 701">• Video tutorial on CAD function <li data-bbox="671 723 1182 757">• Add on n explanation by supervisor <li data-bbox="671 779 1134 813">• Explore drawing function in 2D <p data-bbox="624 869 1353 1014">(2) At 9 am, cover back the lesson i have left in week 2. Fisa, my workmate explain the detail of Ucam which have been explained by the company. The explain including</p> <ul data-bbox="671 1052 1353 2029" style="list-style-type: none"> <li data-bbox="671 1052 1353 1227">• Cutting tool type be it end mill, conical, bellnose or bull mill. For area clearance and profile machining, the suitable cutting too is end mill and conical. The result of the product is so clean and satisfy. <li data-bbox="671 1238 1353 1413">• Toolpath of the spindle be it on outside or inside. For what i need to learn, the most product will be using outside and inside of the toolpath. Toolpath on the object is not suitable as it will cause deflect or damage to the product. <li data-bbox="671 1424 1353 1709">• Side allowance as a reserved space. In profile machining, side allowance for rough surface is mostly 1 and for finishing is 0. Side allowance will affect on object if not taken seriously while in calculation. The first process is to removed heavy product in rough way. The second process usually for finishing. Size of cutter can be same for both process. <li data-bbox="671 1720 1353 1854">• Total depth. To consider for layering, the first depth is priority to remove the rough surface. The reason is avoid deformation and to avoid leaching for vacuum-router machine. <li data-bbox="671 1865 1353 2000">• Overlap ratio. The most suitable range for overlap ratio is around 25%-45%. If less than the range, the island will be produce. Result of the product will not so satisfying. <li data-bbox="671 2011 1353 2029">• Spindle direction. Clockwise direction is not the

Num.	Date	Day	Log/Activity
			<p>best option especially if using end mill cutting tool. The best option is counterclockwise due to the less chip will be produce during the process.</p> <p>(3) Since the process of learning Ucam until week 4, i keep watching the demo from the given DVD and practice using the software. I tried to draw a wall mirror in nanoCAD before transfer to Ucam for setting either engraving or area clearance. Brainstorming the project until late evening.</p>
3	04-08-2020	Tuesday	<p><u>ACTIVITY</u></p> <p>(1) At 8 am</p> <p>I still did a research for the product to be groove.</p> <p>(2) At 10 am</p> <p>I started with draw some sketches on the plain paper and thinking what is the best way to involve three pathways which are profile machining, area clearance and 3D corner engraving for the product.</p> <p>(3) At 1 pm</p> <p>I did continue or transferring drawing or information from nanocad to the ucam software.</p>
4	05-08-2020	Wednesday	<p><u>ACTIVITY</u></p> <p>(1) At 8.00 am</p> <ul style="list-style-type: none"> • Start sketch for the project. <div data-bbox="683 1469 1267 1771" data-label="Image"> <p>The image shows a rectangular wooden sign with a decorative border. The text on the sign is arranged in three lines: 'Melmac Central' at the top in a curved font, 'Retro Chalet' in the middle in a large, bold, serif font, and 'Plastic Fantastic' at the bottom in a smaller, curved font.</p> </div> <ul style="list-style-type: none"> • The above picture was my first idea for the project, but at the end i did some adjustment and add own idea towards it.

Num.	Date	Day	Log/Activity
5	06-08-2020	Thursday	<p><u>ACTIVITY</u></p> <p>(1) At 8.00 am. Did a little touch up on previous task regarding the toolpath output and the type of toolpath. On the previous day, we are doing a grooving for a plastic type material. We need to make two groove for a water to flow.</p> <p>(2) At 8.30 am.</p> <p>We start machining the material using CNC machine. The machine that used in this CNC machining is CNC plasma. Vacuum is used to suck the material to avoid from material to move during machining.</p> <p>As i was on leave last week, i studied and cover back what i have left before. I observed first what fisa did and recall what i have learn on first day of internship.</p> <p>After that, i started doing on my own with the help of Iqbal and fisa. The result of product was as expected and quite satisfying. This was my first fully handling machine during industrial training. There are still a lot to study and explore regarding the code from Ucam and machine. I promised myself i should learn and take this lesson seriously as this field was my desired.</p> <p>(3) At 1.00 pm</p> <p>As my project/task is not done yet, i continue edit and do some adjustment for the object to be grooving next week.</p>

Num.	Date	Day	Log/Activity
6	07-08-2020	Friday	<p><u>ACTIVITY</u></p> <p>(1) At 8 am</p> <p>For this whole day, we just doing the project and make sure the project is done on perfect time.</p>
7	08-08-2020	Saturday	<p><u>ACTIVITY</u></p> <p>(1) At 8 am</p> <p>Started my day with making last adjustment on the project.</p> <p>(2) At 10 am</p> <p>Started with find suitable material to cut through when using CNC machine and the suitable material is 9mm MDF board. Then, i continue edit the project according to the suitable material. The toolpath output is then decided.</p> <p>After that, we are doing our first practice physically without the help of Iqbal. Only certain part we need the help of Iqbal which suddenly the machine not operate as what we desire. The result of my project was totally broken. I think the reason for the broken project was because the starting point for the toolpath is wrong. So, the line or shape of the object to be grooving is disturbance.</p> <p>(3) Around 12.30 pm</p> <p>We did an adjustment again for the project.</p>

Company Supervisor Signature



8.2 - TABLE OF DAILY/WEEKLY STUDENT ACTIVITY AND ASSESSMENT FORM BY COMPANY/ORGANIZATION SUPERVISOR

SUMMARY OF ACTIVITIES			WORKING WEEK :
Date		Work Summary/Daily Activities	Duration Hours
From	Upto		
2/8	8/8	To understand and combine a few strategy at same time to make sample	

Instruction to supervisor:

Please refer to the student report in Table 8.4 before accessing and commenting. Please (√) in the appropriate box.

1. Poor
2. Unsatisfactory
3. Satisfactory
4. Good
5. Excellent

WEEKLY EVALUATION OF SUPERVISOR IN COMPANY/ORGANIZATION

Work performance and student report:	Supervisor's signature & date : <i>Chan</i>										
	Name : CHAN CHEE LEONG										
	Post & stamp : Project Manager										
	Date : 11/8/2020										
<table border="0"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table>	1	2	3	4	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Comments:
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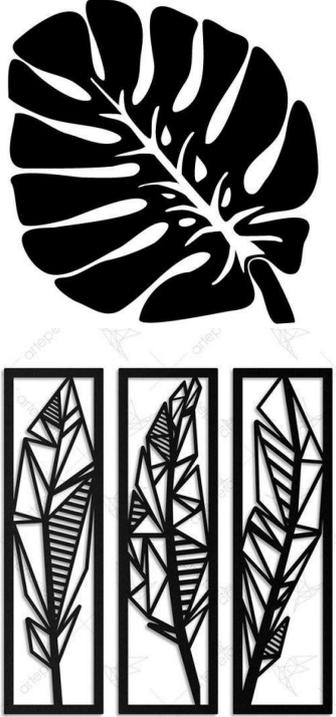
Log Book From 09-08-2020 To 15-08-2020

Num.	Date	Day	Log/Activity
1	09-08-2020	Sunday	-N/A-
			<p><u>ACTIVITY</u></p> <p>(1) At 8 am</p> <p>As i get a new project, so i started my day planned on what i should draw and choose upon the unique design in google. The theme for this project was using MDF board either 12 or 9mm thick and shape almost A4 size.</p> <p>By the time keep running, i wasted my time scrolling over google and pinterest almost half of the day. The first design that interest me was</p>
2	10-08-2020	Monday	<div data-bbox="794 828 1177 1305" data-label="Image"> </div> <p>As i was on leave for a week due to my brother death, i think i was lack on some skill in Ucam. So, I choose the simple design first to improve in 3 part which are 3D corner engraving, profile machining and area clearance.</p> <p>In the middle of doing this, i had weekly meeting with manager, Chan Chee Leong. As usual, the main agenda of the meeting was about the progress, add comment for the product and did some adjustment also information towards product.</p> <p>(2) At 3 pm</p> <p>Mr Sam give us task involve acrylic that need to be machine. That task need to be programmed and edit in Ucam. So we both, fisa and i did one each.</p>

Num.	Date	Day	Log/Activity
3	11-08-2020	Tuesday	<p data-bbox="625 237 1340 271">ACTIVITY</p> <p data-bbox="625 315 1340 349">(1) At 8 am</p> <p data-bbox="625 394 1340 495">With a refresh mind, i continue edit yesterday picture and did some adjustment based on my interest and views.</p>  <p data-bbox="625 1043 1340 1189">After getting comment on my first idea, i added some artistic value on my drawing. To be add, i did second drawing on toilet. This drawing involving several depth that need to be machined.</p> 

Num.	Date	Day	Log/Activity
			<p>(2) At 2 pm</p> <p>In the evening, we did machined for the acrylic matter. We did two set of this and this product had been programmed by me in Ucam. During doing this task, there a some difficulties happened. First because the base of 3mm thick MDF board are not smooth. So it affect the depth that need to machined. Some part are not in line and not connected. The best solution is adjust the depth by ourselves by manually during machining.</p> 
4	12-08-2020	Wednesday	<p><u>ACTIVITY</u></p> <p>(1) At 8 am</p> <p>Today planned of the day is to touch up upon the project and for the new acrylic.</p>  

Num.	Date	Day	Log/Activity
5	13-08-2020	Thursday	<p data-bbox="625 239 1348 275"><u>ACTIVITY</u></p> <p data-bbox="625 315 1348 351">(1) At 8 am</p> <p data-bbox="625 392 1348 607">For this half day, Fisa and i only involved in machining. We both machined for acrylic matter and our own product. We wasted our time in adjusting CNC machine and changing base 3mm thick MDF board. Too be add, we try on the old MDF board before using the new one. The result was so bad and not satisfy.</p> <div data-bbox="659 640 1310 1064">  </div> <div data-bbox="807 1070 1166 1494">  </div> <p data-bbox="625 1534 1348 1570">(2) At 1 pm</p> <p data-bbox="625 1610 1348 1713">We still doing last minute editing for the project. This time, we are doing the best because we are going to use the new MDF board.</p> <p data-bbox="625 1753 1348 1937">In the middle of doing project in Ucam, i had a second meeting in a week. The meeting was about the new project that need to be done end of this month. There are about 5 big task and around 7 sub task. The task is then divided equally.</p>

Num.	Date	Day	Log/Activity
6	14-08-2020	Friday	<p><u>ACTIVITY</u></p> <p>(1) At 8 am</p> <p>As usual, i am doing a final touch up for the given project. As today is a last day to submit the project, i add some value to the project in the ucam. My first idea for a project is like a simple and there is no artistic towards it, i decide to do the new drawing. It takes around 2 hours before start machining. This final touch up is more like a combination of old idea with a new idea.</p> <p>(2) At 10.45 am</p> <p>I had a meeting with manager, Chan Chee Leong around 1 hour and a half. The meeting was about a new project that need to be present at the end of this month. There are overall 5 products need to be done. This include using ucam and solidwork.</p> 

Num.	Date	Day	Log/Activity
			 <p data-bbox="625 770 817 804">(3) At 1.30 pm</p> <p data-bbox="625 844 1350 1021">Fisa and i start doing machining for a project. The machining start with my product first. It takes around 1 hour and 15 minutes to get the result. After that continue with fisa's product and also takes around 1 hour for machining.</p> 
7	15-08-2020	Saturday	-N/A-

Company Supervisor Signature



8.2 - TABLE OF DAILY/WEEKLY STUDENT ACTIVITY AND ASSESSMENT FORM BY COMPANY/ORGANIZATION SUPERVISOR

SUMMARY OF ACTIVITIES			WORKING WEEK :
Date		Work Summary/Daily Activities	Duration Hours
From	Upto		
9/8/20	15/8/20	Sample making for customer	

Instruction to supervisor:

Please refer to the student report in Table 8.4 before accessing and commenting. Please (√) in the appropriate box.

1. Poor
2. Unsatisfactory
3. Satisfactory
4. Good
5. Excellent

WEEKLY EVALUATION OF SUPERVISOR IN COMPANY/ORGANIZATION

Work performance and student report: 1 2 3 4 5 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	Supervisor's signature & date :	<i>MA</i> 21/8/20
	Name :	CHAN CHEE LEONG
	Post & stamp :	PROJECT MANAGER
	Date :	21/8/20

Comments:

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Log Book From 16-08-2020 To 22-08-2020

Num.	Date	Day	Log/Activity
1	16-08-2020	Sunday	<p data-bbox="624 315 699 342">-N/A-</p> <p data-bbox="624 353 783 387"><u>ACTIVITY</u></p> <p data-bbox="624 427 772 461">(1) At 8 am</p> <p data-bbox="624 501 1321 678">I started my first day in week 5 doing copy and paste drawing. The software involve is only nanoCAD. The task is provided, but i only need to copy the drawing followed the scale 300x600 mm. The drawing is as followed.</p> 
2	17-08-2020	Monday	<p data-bbox="624 1171 788 1205">(2) At 10 am</p> <p data-bbox="624 1245 1348 1534">I had meeting with manager, Chan Chee Leong regarding the task that should be done end of this month. As i was started copying the drawing that morning, i only showed half of my work which one third of the drawing. In the middle of the meeting, manager explain what should i did and what should not. Based on the drawing, i should not continue draw all the picture.</p> <p data-bbox="624 1574 1348 1863">As i need to redraw followed the scale stated. As i finish redraw, i started transfer my drawing into ucanam to add some adjustment and add simulation. The simulation involve is profile machining and 3D corner engraving. The process stuck in the middle of editing because the scale is different even though copying 100%. So, it takes longer times to finish it than expected.</p> <p data-bbox="624 1904 1348 2000">Not forgot, during meeting, manager had been asked about last week project which required me to machined the MDF board. I got less comment regarding my</p>

Num.	Date	Day	Log/Activity
			<p>project. it might because my project has low artistic aspect. So, i need to work hard and accept challenges to be outstanding person.</p> 
3	18-08-2020	Tuesday	<p><u>ACTIVITY</u></p> <p>(1) At 8 am</p> <p>Still in the week where i need to finish 5 task before end of this month. So, on this second day, i continue copying and pasting the drawing from nanoCAD. The drawing involve second and third part of the leaf. The copying of this thing required a lot of patience as it has a lot of undimensional size of leaf. After done this part, i continue transfer all of it into ucancam. The process are the same as before where i need to add some adjustment and add simulation towards it.</p> <p>The process seems simple but required a lot of time to finish it. After done this two part, i need to combine monday's work with today's work. So overall i need to reedit again for this three part together. As the scale for one part is 300x600 mm, so the scale getting bigger with 1000X600 mm.</p>
4	19-08-2020	Wednesday	<p><u>ACTIVITY</u></p> <p>(1) At 8 am</p> <p>I planned on this day to do another task which is task no 3 but then i had issue with solidwork. So this task cannot be done as what i planned. I continue reedit the task before, fulfill the requirement and the standard.</p> <p>(2) At 2 pm</p> <p>I started reinstalling solidwork 2019 and 2020 but still does not get the result. But then, i try to understand the</p>

Num.	Date	Day	Log/Activity
			<p>concept for the turtle which need to do by layering. There are overall 9 layer of 3mm thick of mdf board. Before machining, the basic step is copying the drawing. To get the exact shape and differentiate of the layer, different colour is use. After settle everything, i need to combine and extrude of 3mm thick in solidwork. So, i need to understand the basic concept very well to make it done.</p> <div style="display: flex; justify-content: space-around;">   </div>
5	20-08-2020	Thursday	-N/A-
6	21-08-2020	Friday	<p><u>ACTIVITY</u></p> <p>(1) At 8 am</p> <p>This morning, i try copy one layer of the turtle in nanocad and then transfer in solidwork to be extrude for 3mm thick.</p> <p>(2) At 3.30 pm</p> <p>I had important meeting regarding the task. The meeting is to give comment about the drawing and simulation. I had a very bad feedback as simulation is not satisfy manager preference. So i need to change the way simulation will be run. The changes include profile machining and 3D corner engraving. Also from that, i know that i still lack on basic matter. I need to catch up and understand well.</p> <p>About the drawing, everything just nice and only certain part need to be change include shape of the leaf and adding some chamfer.</p> <p>During the meeting also discussed about another three task. For my part is turtle. I need to draw turtle and then combine the layer of turtle either in Autocad or solidwork. Based on my preference, the best way is to use solidwork.</p>

Num.	Date	Day	Log/Activity
7	22-08-2020	Saturday	<p><u>ACTIVITY</u></p> <p>(1) At 8 am</p> <p>Main agenda is to machine our own product which from the second project. Before that, i need to touch up on the drawing as the last touch up was the week before. This full week was fill with finishing the new task.</p> <p>(2) At 10 am</p> <p>We start cleaned the area of machine. The condition is quite dirty with dusk from mdf board. The dusk is then suck up by the vacuum and only certain part is sweep. But there are still a lot of dusk remain. After that, we set up the mdf board. Then start machining. As time running too fast, only fisa part are done that day. I could not done my part and plan to continue on the next week.</p> 

Company Supervisor Signature



8.2 - TABLE OF DAILY/WEEKLY STUDENT ACTIVITY AND ASSESSMENT FORM BY COMPANY/ORGANIZATION SUPERVISOR

SUMMARY OF ACTIVITIES			WORKING WEEK :
Date		Work Summary/Daily Activities	Duration Hours
From	Upto		
16/8	22/8	Focus on sample need to use for business presentation	

Instruction to supervisor:

Please refer to the student report in Table 8.4 before accessing and commenting. Please (√) in the appropriate box.

1. Poor
2. Unsatisfactory
3. Satisfactory
4. Good
5. Excellent

WEEKLY EVALUATION OF SUPERVISOR IN COMPANY/ORGANIZATION

Work performance and student report: 1 2 3 4 5 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	Supervisor's signature & date : [Signature]
	Name : CHAN CHEE LEONG
	Post & stamp : MANAGER
	Date : 28/8/2020

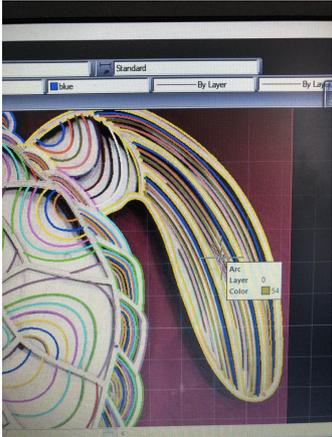
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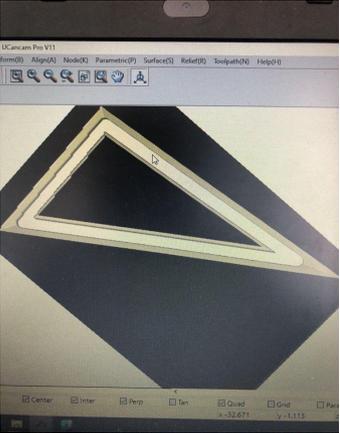
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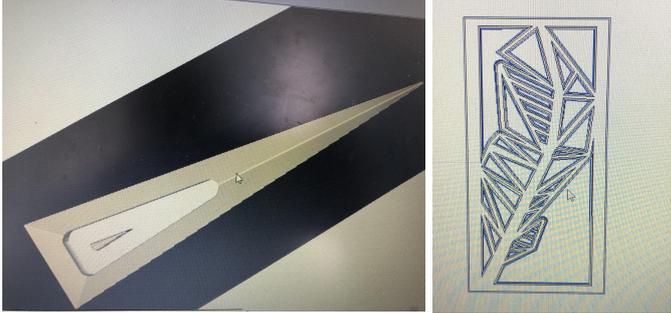
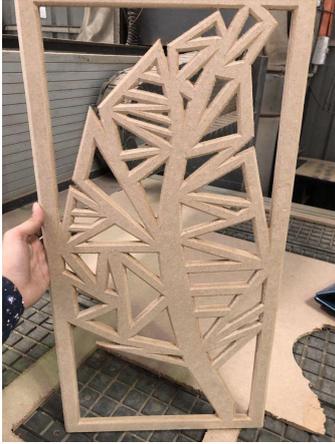
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Log Book From 23-08-2020 To 29-08-2020

Num.	Date	Day	Log/Activity
1	23-08-2020	Sunday	-N/A-
2	24-08-2020	Monday	<p data-bbox="622 389 786 421">ACTIVITY</p> <p data-bbox="622 461 791 492">(1) At 8 am</p> <p data-bbox="622 535 1302 638">Reinstalling nanoCAD 5 due to some circumstances. After 10 minutes, the software is successfully downloaded.</p> <p data-bbox="622 680 1342 896">Then, i start to trace second layer of turtle manually. As the colour of turtle is not very clear, it was hard for me to trace one by one. Arc method is most suitable way to trace rather than using spline line or polyline. Only certain part need to be edit according to the desired shape.</p> <div data-bbox="655 936 1310 1330">  </div> <div data-bbox="823 1375 1155 1812">  </div>

Num.	Date	Day	Log/Activity
			<p>(2) At 9.30 am</p> <p>I had weekly meeting with manager. The main purpose of meeting is to explain and describe the flow of our task. As i was done my part for the grill panel, so i was showing my work on that part. Last week, i had trouble on simulation as i was using 3D corner engraving and profile machining wrongly. This time, i successfully understand the basic step of using 3D corner engraving and profile machining for this task.</p> <p>And then, i showed my second task which is turtle. As i was only finished second layer, so i showed the overall second layer. Luckily the technique is correct and i just need to continue for the next layer. At first, i count only 9 layer is needed, but then i calculated again, i need or i must trace around 13 or 14 layer of turtle.</p> <p>(3) At 1 pm</p> <p>As i was running out of time, i focus first on the leaf. Finish on simulation and edit some part before machining. I was done edit at 4 pm, but then i think i could not finish machining on time. So i continue trace for the turtle.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>

Num.	Date	Day	Log/Activity
			<p data-bbox="625 239 788 275"><u>ACTIVITY</u></p> <p data-bbox="625 315 735 351">(1) 8 am</p> <p data-bbox="625 392 1355 568">I was about to run the machine, but then i realised something wrong with the simulation and the shape of the leaf. At the corner of the leaf is having an arc shape rather than sharp shape. So, i continue edit that part for all the 3 grill panel of the leaf that need to be machine.</p> <div data-bbox="652 607 1323 920">  </div> <p data-bbox="625 969 735 1005">(2) 9 am</p> <p data-bbox="625 1046 1355 1368">I started machine for the first grill panel. Before that, i have to clean the machine area because there are so much stuff on the base of the machine including stuff from Iqbal project. There are also dust on the base also on the floor that need to be clean up. That is why it takes longer time than expected. As i planned to use new 12 mm MDF board, i seek help from Zakir to help me to bring to base of machine. After finished everything, i started my work. Machine the grill panel.</p> <div data-bbox="815 1406 1150 1850">  </div>
3	25-08-2020	Tuesday	

Num.	Date	Day	Log/Activity
			 <p data-bbox="624 712 735 750">(3) 1 pm</p> <p data-bbox="624 788 1351 1077">I continue machine for the second grill panel. As the second grill panel about to finish, suddenly unexpected thing to happened. I carelessly run the toolpath output which 3D corner engraving twice. From 5 mm thick become 10 mm thick. So the part for 3D corner engraving become so big and break the shape. So i stop the machine and not willingly to finish for the last grill panel. I could not finish machining for all the grill panel.</p> <p data-bbox="624 1115 1351 1153">So happened, Fisa doing her task which also grill panel.</p> 

Num.	Date	Day	Log/Activity
4	26-08-2020	Wednesday	<p><u>ACTIVITY</u></p> <p>(1) 8 am</p> <p>I started my day editing the yesterday work which i need to edit for simulation of 3D corner engraving. It happenly occur also for last grill panel.</p> <p>(2) 9 am</p> <p>I redo for the second grill panel. Luckily it was much better from the first grill panel because using the new cutter tool for conical. Also the workspeed is different which using the lower workspeed with 1000 rpm. The spindle run for about 190 rpm.</p> <p>After that, it was about lunch hour. So i take a break and not continue for the last grill panel.</p>  <p>(3) 1 pm</p> <p>I continue trace for the fourth and fifth layer of the turtle.</p>
5	27-08-2020	Thursday	<p><u>ACTIVITY</u></p> <p>(1) 8 am</p> <p>I continue edit for the turtle in nanoCAD. After finish tracing, i started copy and paste the tracing line to become the desired shape.</p> <p>(2) 10 am</p> <p>Suddenly, i found a new way in copy and paste which</p>

Num.	Date	Day	Log/Activity
			<p>transfer all the tracing line from nanoCAD into Ucam. So, i started doing back copy and paste method from first into several layer before continue back copy paste after lunch break.</p> <p>I could not finish copy paste for all layer.</p> 
6	28-08-2020	Friday	<p><u>ACTIVITY</u></p> <p>(1) 8 am</p> <p>As usual, i finish the work which i could not finish the day before.</p> <p>(2) Around 10 am</p> <p>I had short meeting with manager which to discuss about task or to know my flow. This time, i had not so much comment regarding the task. I just need to finish my task faster as the time frame is next week.</p> <p>(3) 1 pm</p> <p>I started doing the simulation for the four layer of the turtle.</p>
7	29-08-2020	Saturday	-N/A-

Company Supervisor Signature



8.2 - TABLE OF DAILY/WEEKLY STUDENT ACTIVITY AND ASSESSMENT FORM BY COMPANY/ORGANIZATION SUPERVISOR

SUMMARY OF ACTIVITIES			WORKING WEEK :
Date		Work Summary/Daily Activities	Duration Hours
From	Upto		
24/8	29/8	Sample making for presentation	

Instruction to supervisor:
 Please refer to the student report in Table 8.4 before accessing and commenting. Please (✓) in the appropriate box.

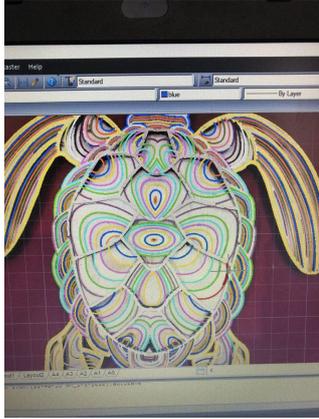
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2. Unsatisfactory
3. Satisfactory
4. Good
5. Excellent

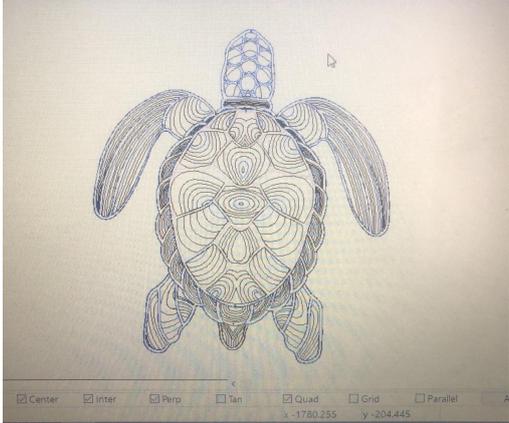
WEEKLY EVALUATION OF SUPERVISOR IN COMPANY/ORGANIZATION

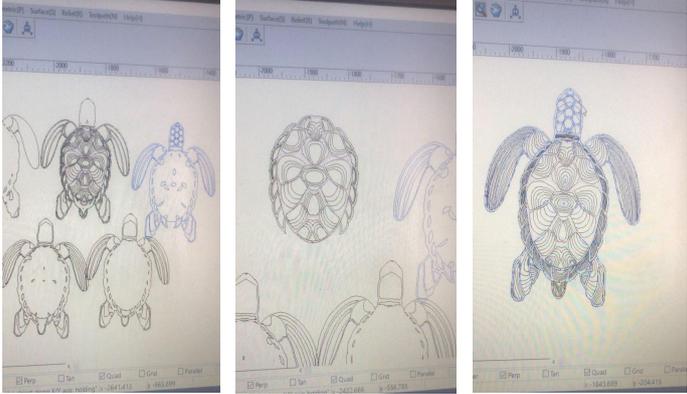
Work performance and student report: 1 2 3 4 5 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	Supervisor's signature & date : <i>Chh</i>
	Name : CHAN CHEE LEONG
	Post & stamp : PROJECT MANAGER
	Date : 9/9/2020

Comments:
 GOOD WORKING ATTITUDE ! WORK WITH PATIENTS.

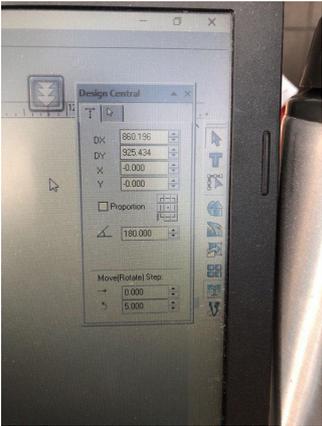
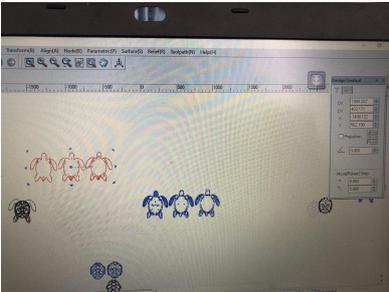
Log Book From 30-08-2020 To 05-09-2020

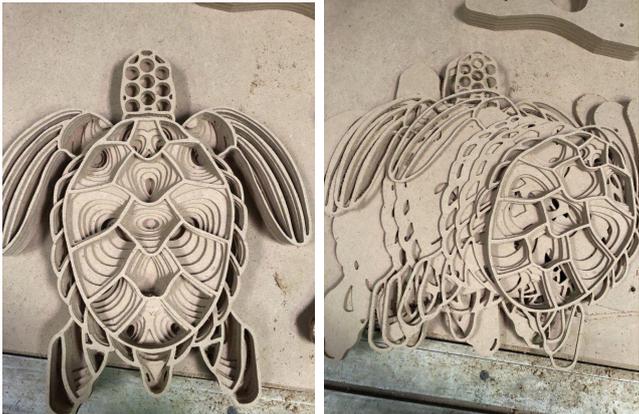
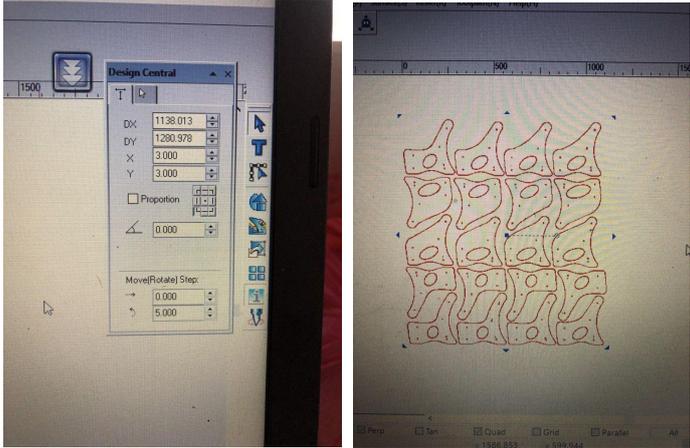
Num.	Date	Day	Log/Activity
1	30-08-2020	Sunday	-N/A-
2	31-08-2020	Monday	MALAYSIA'S NATIONAL DAY
			<u>ACTIVITY</u>
			(1) 8 am
			Have been taken this project seriously, so i did my best on doing my part very best. Since last week i been doing the tracing for the turtle and since then i cannot finish overall layer within the perfect time.
			<ul style="list-style-type: none"> • Overall dimensions of the finished product 300 x 600 mm • Number of layers - 7 layers layers Shell • Drawings are available in the following formats: CNC plasma machine. (AI, CDR, SVG, DXF)
3	01-09-2020	Tuesday	(2) 1.50 pm
			<ul style="list-style-type: none"> • Drawings are available in the following formats: CNC plasma machine. (AI, CDR, SVG, DXF)
			

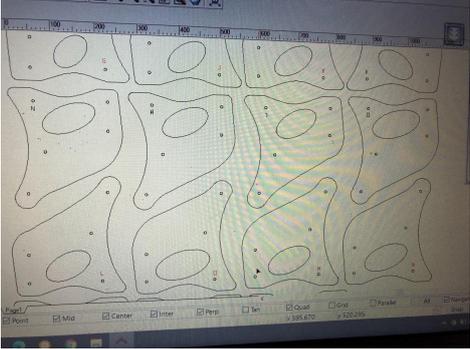
Num.	Date	Day	Log/Activity
			<div style="text-align: center;">   </div> <p data-bbox="624 1128 1342 1234">Done the overall layer. Each layer is numbered and has special holes for easy positioning of the layers and easier assembly of the finished product.</p> <ol data-bbox="671 1274 1342 1532" style="list-style-type: none"> 1. After tracing, i need to copy the shape of turtle according to the colour and according to the layer. 2. Transfer the coloured turtle into Ucam. Edit some line that not connected and some shape to follow the first layer. This is to run simulation of profile machining. <p data-bbox="624 1570 1342 1603">This step is continuous from first layer until 14th layer.</p>

Num.	Date	Day	Log/Activity
4	02-09-2020	Wednesday	<p><u>ACTIVITY</u></p> <p>Upon arrival, i directly edit some part that need to be edit before run the machine.</p> <p>At 10.50 am, I planned on combining the upper part (shell) of the turtle first and then continue for the rest. The upper part (shell) consist of five layer.</p> <ul style="list-style-type: none"> • Set up in the Ucam • Check the line, make sure connected to each other. • Simulation of profile machining. 
5	03-09-2020	Thursday	<p><u>ACTIVITY</u></p> <p>(1) 8 am</p> <p>(2) 9.30 am</p> 

Num.	Date	Day	Log/Activity
			<p data-bbox="624 237 778 275">(3) 1.40 pm</p>  <p data-bbox="624 748 738 786">(4) 4 pm</p>  <p data-bbox="624 1883 1342 1921">Recommended materials for cutting : 6mm MDF board</p>

Num.	Date	Day	Log/Activity
6	04-09-2020	Friday	<p data-bbox="625 237 1348 271"><u>ACTIVITY</u></p> <p data-bbox="625 315 1348 416">Still have flaws on previous machining, so i decided to make a new one for N part and O part. N part and O part is the last two part of sofa.</p> <ul data-bbox="671 461 1142 528" style="list-style-type: none"> • Group the two part for nesting. • Simulation of profile machining.  <p data-bbox="625 1111 1348 1211">After lunch hour, i started back setting for a turtle. Continue for the last part which is the body part. There are overall 7 layer more.</p> <ul data-bbox="671 1256 1294 1402" style="list-style-type: none"> • Set up in the Ucamcam • Check the line, make sure connected to each other. • Simulation of profile machining.  <p data-bbox="625 1771 1348 1850">Around 4 pm, i was done all the part. This done exactly at 6 pm. That is mean, i was working for extra hour.</p>

Num.	Date	Day	Log/Activity
			
7	05-09-2020	Saturday	<p data-bbox="625 741 783 775">ACTIVITY</p> <p data-bbox="625 813 735 846">(1) 8 am</p> <p data-bbox="625 887 1241 958">From early morning, i edited for sofa part in the Ucam. Include :</p> <ul data-bbox="671 999 1340 1290" style="list-style-type: none"> <li data-bbox="671 999 1340 1104">• Mirror of the actual sofa. Make it overall part to be 20 part. The other 9 part have been done on the other day. <li data-bbox="671 1111 1340 1216">• Group all the part for nesting. But then, the most suitable nesting is by manual to save the mdf board from wasted. <li data-bbox="671 1223 1340 1256">• Did simulation of profile machining for 20 part. <li data-bbox="671 1263 1043 1290">• Ready to cut or machine. 

Num.	Date	Day	Log/Activity
			 <p data-bbox="624 629 1351 768">Start machining around 10 am. After finish machining, i started to clean up the dust from the surface of the board, switch on vacuum to suck the dust and sweep the floor.</p> <p data-bbox="624 813 1351 1099">Around 1 pm, Fisa and i decided to work extra hours. We working together to machine for spacer. There are overall 600 spacers include 3mm mdf and 6mm white foam. This takes around 1 hour and 45 minutes to complete all the spacer. But then, that was only Fisa's spacer. I could not continue machining my part as the time showed 2.45 pm. Then, we decided to stop working and continue on Monday.</p> 

Company Supervisor Signature



8.2 - TABLE OF DAILY/WEEKLY STUDENT ACTIVITY AND ASSESSMENT FORM BY COMPANY/ORGANIZATION SUPERVISOR

Date		Work Summary/Daily Activities	Duration Hours
From	Upto		
31/8	5/9	- Sample making for business presentation - process planning for production - Nesting to optimal material usage for cost saving	

Instruction to supervisor:

Please refer to the student report in Table 8.4 before accessing and commenting. Please (√) in the appropriate box.

1. Poor
2. Unsatisfactory
3. Satisfactory
4. Good
5. Excellent

WEEKLY EVALUATION OF SUPERVISOR IN COMPANY/ORGANIZATION

Work performance and student report:	Supervisor's signature & date : 
	Name : CAAN CHEE HONG
	Post & stamp : PROJECT MANAGER
	Date : 12/9/2020

1	2	3	4	5
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Comments:

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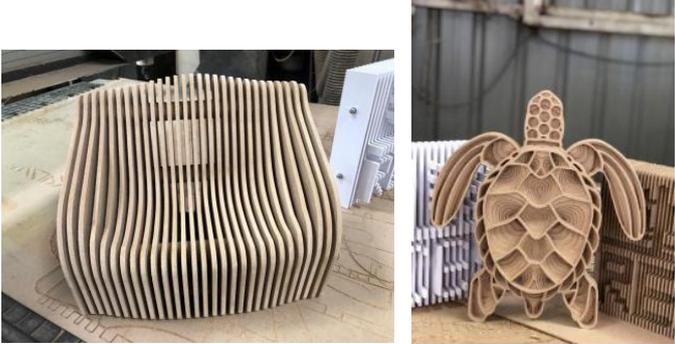
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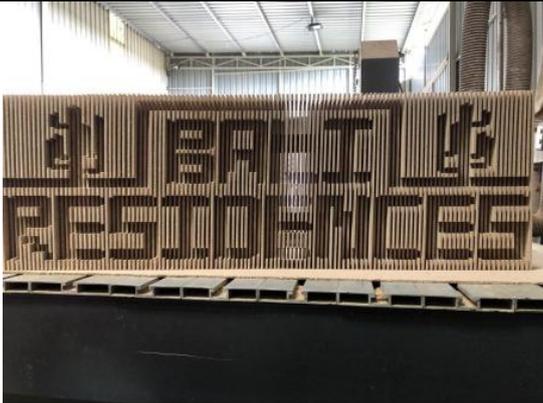
Log Book From 06-09-2020 To 12-09-2020

Num.	Date	Day	Log/Activity
1	06-09-2020	Sunday	-N/A-
			<p data-bbox="639 360 799 394"><u>ACTIVITY</u></p> <p data-bbox="639 434 1370 539">As i was planned last week to run the machine for the spacer, so i did it on this day. Overall 145 spacer is done created.</p> <p data-bbox="639 580 1370 757">While waiting overall 145 spacer to be done, i did cleaning on the surface of the spacer that have been cut. Other than that, i was ready to cut for the new part of the sofa. There are three part of sofa that was done badly before.</p> <p data-bbox="639 797 1177 831">After that, i was working on the finishing.</p> <div data-bbox="662 871 1335 1294">  </div> <div data-bbox="860 1337 1214 1805">  </div>
2	07-09-2020	Monday	

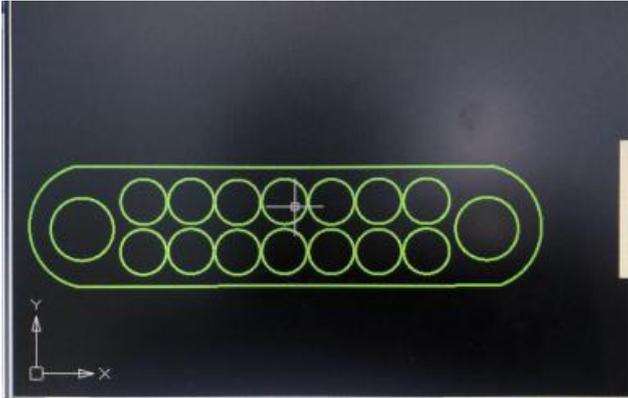
			<p><u>ACTIVITY</u></p> <p>While waiting for Fisa done her task, i edited for the grill panel. As i was not satisfy with the previous grill panel, i need to do again for the new grill panel.</p> <p>The changes include the size, shape, and setting of simulation. I have done badly on the first grill panel, so the changes i did for this one are changing the size 300x600 mm, changes the cutting tool especially for conical D0.20 A45 and change from profile machining to the 3D corner engraving for the outer region.</p> <p>There are two grill panel that need to be renew. The first one ofcourse on the first grill panel and the last one is the third grill panel.</p> <ul style="list-style-type: none"> • First grill panel. Renew because there is no 3D corner engraving at for the outer region. • Third grill panel. Renew because there are a lot of dust produce due to the blunt of the end mill D3.175 mm.  
3	08-09-2020	Tuesday	



4	09-09-2020	Wednesday	<p><u>ACTIVITY</u></p> <p>Since early morning, i already start my work by doing measurement for the sofa but then the manager came along help on the calculating it. The overall length of the sofa is 387 mm including all the spacer.</p> <p>I getting help from Zakir to grind the total length of the stud of 2m. So, the overall of the stud for the sofa is five with 387 mm length.</p> <p>After that, i start on the assemble for the sofa. It takes around 15 minutes as the hole of the spacer is not big enough. So, it take time for the spacer to put into the stud of length of 187 mm. The hole should be in diameter of 6.20 mm but it was wrongly dimension as the diameter become 6.02 mm.</p> <p>After done my part, i was helping Fisa doing her part. Example below (BALI RESIDNCES) was her masterpiece.</p> 

			 
5	10-09-2020	Thursday	<p><u>ACTIVITY</u></p> <p>Since early morning i was in the office updating both logbook and e-portfolio. After so long not update the e-portfolio, there are so much work to be done and consider. I need to transfer all the activities from logbook into e-portfolio from week 4 until now, week 8.</p> <p>In a middle of updating, i search on the information and find idea for the last project (Individual project). The project might be my last project before i end my internship. The concept have been told before on the first meeting. The concept still based on wood and more like traditional games. But, after a few week thinking of what i should do, i already decide to make layer like a previous project. Just the design is different.</p> <p>Several ideas from google :</p>

			 
6	11-09-2020	Friday	<p><u>ACTIVITY</u></p> <p>I started my day searching for information and find ideas for the last project. The information is regarding the traditional games especially congkak. At first, i planned to do a unique guitar using a technique of layering and contain mandala design.</p> <p>After some taught, i change my mind towards congkak as Fisa already choose guitar as her project. Normally, congkak contain seven small holes and two big holes. The length is about 800mm and width of 180 mm. Nowadays, there a lot of interesting design of congkak that attract people. So, i made my mind to make one that suit their taste and attract attention. The upper part of hole might have a unique design for all nine holes. The design is more like a flower and ribbon.</p> <p>Around 1 pm, i started doing a wrapping for the previous project which are turtle, leaf, sofa and</p>

		<p>signboard. The wrapping is a bit challenging as it was my first time trying it. Luckily, we are done wrapping nicely.</p> <p>After that, i continue back on my project. Tracing for the congkak and the design of the mandala for the hole.</p> <p>Below was the example of my work :-</p>  
7	12-09-2020	Saturday -N/A-

Company Supervisor Signature

Handwritten signature

8.2 - TABLE OF DAILY/WEEKLY STUDENT ACTIVITY AND ASSESSMENT FORM BY COMPANY/ORGANIZATION SUPERVISOR

SUMMARY OF ACTIVITIES			WORKING WEEK :
Date		Work Summary/Daily Activities	Duration Hours
From	Upto		
7/9	12/9	Sample making for presentation	

Instruction to supervisor:

Please refer to the student report in Table 8.4 before accessing and commenting. Please (√) in the appropriate box.

1. Poor
2. Unsatisfactory
3. Satisfactory
4. Good
5. Excellent

WEEKLY EVALUATION OF SUPERVISOR IN COMPANY/ORGANIZATION

Work performance and student report:	Supervisor's signature & date : <i>PKH</i>
	Name : CHAN CHEE LEONG
	Post & stamp : PROJECT MANAGER
	Date : 18/9/2020

1 2 3 4 5

Comments:

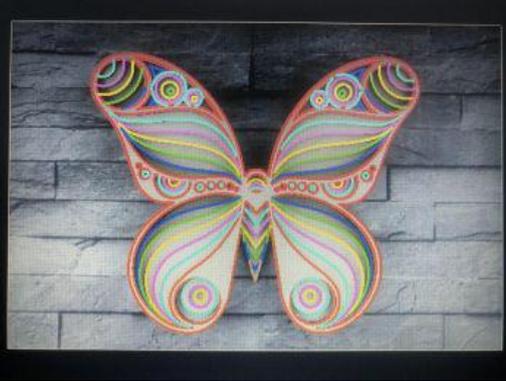
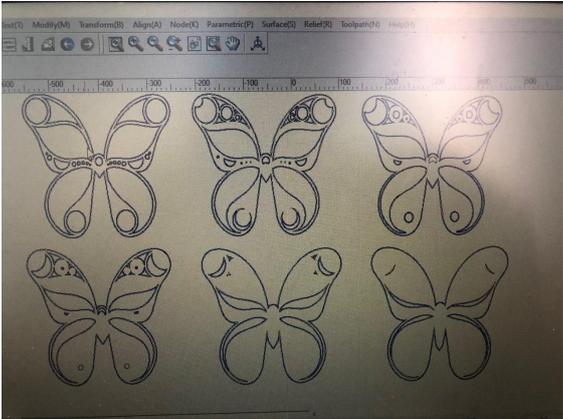
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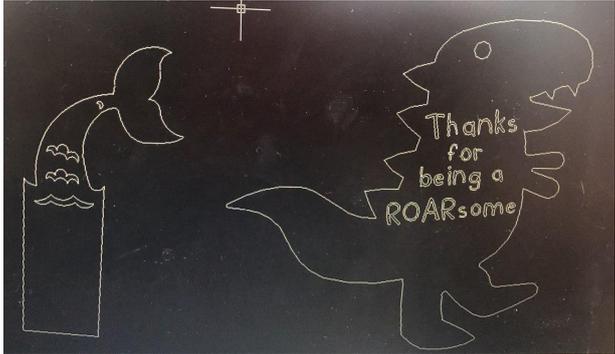
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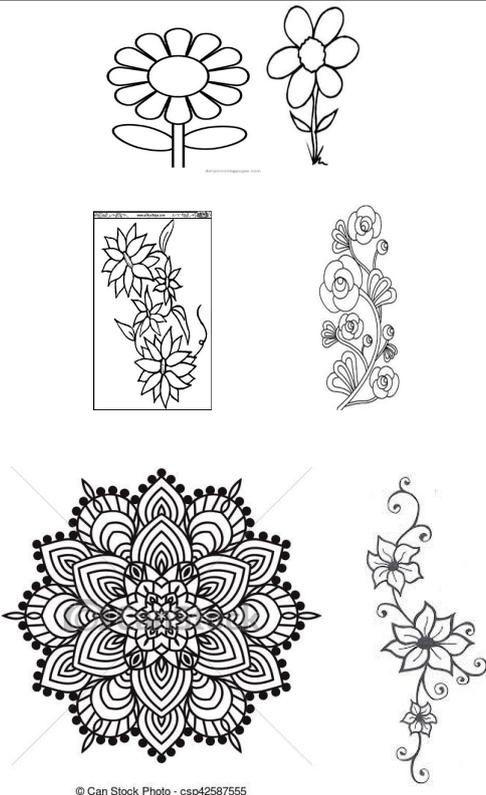
Log Book From 13-09-2020 To 19-09-2020

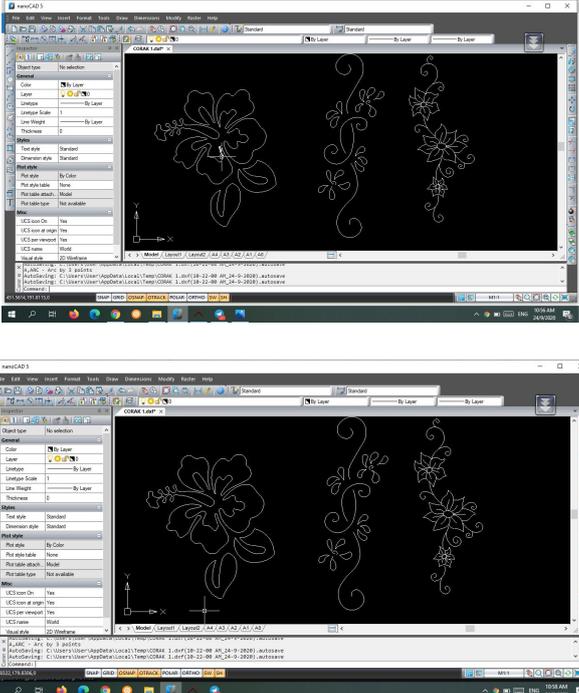
Num.	Date	Day	Log/Activity
1	13-09-2020	Sunday	-N/A-
2	14-09-2020	Monday	<p><u>ACTIVITY</u></p> <p>For this day activity is to finish tracing for all part of the congkak and planned to start working on machining on the next week. But, after having meeting with manager, i change my plan.</p> <p>I had meeting around 9.30 am with manager, Chan Chee Leong. The meeting is about my last project that need to be done before i end my industrial training.</p> <p>During meeting, i discussed about :-</p> <ul style="list-style-type: none"> • The material that will be use for the congkak (either 6mm or 9mm MDF board). • The suitable size (180x800 mm). • The design or technique (layering). • Timeframe to finish drawing on AutoCAD or Ucam software. <p>Besides, my manager gives suggestion to add one more product which is souvenir using technique layering too. Having tought this will not take a longer time, i agree with the suggestion.</p> <p>Below is the shape that i need to trace. The size is around 300x300 mm. And the material use still MDF board but 3mm thick.</p>  <p>By the time meeting is ended, i start tracing for the butterfly. There are total 6 layers need to be trace. Around 3.30 pm i finished tracing. After that, i start copy and paste part by part. By the the 5 pm, i already done two part out of six part.</p>

Num.	Date	Day	Log/Activity
			
3	15-09-2020	Tuesday	<p data-bbox="625 624 783 658"><u>ACTIVITY</u></p> <p data-bbox="625 696 1355 801">I started my day copy and paste for another four part. By the time 8.30 am, i already done copy and paste for overall part.</p>  <p data-bbox="625 1290 1355 1435">After that, i transfer overall part into Ucam software. Around 9.40 am i have done editing for all part including simulation. The Butterfly part ready to machine in week 11.</p>  <p data-bbox="625 1928 1355 2033">I planned on doing something for myself. So, i searched the simple product that can be produce within four week and take a little time to finish. The first idea i get from</p>

Num.	Date	Day	Log/Activity
			<p>searching was a keychain and a bookmark. Having thought that we still have a lot of extra 3 mm mdf board, so i think i can make extra for my friends too. But, in time i need to focus more on the project before proceed with this one. Below is the example of keychain and bookmark :</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p>After lunch break, i continue on tracing for the keychain first before i proceed with the bookmark. Around 4 pm i have done on tracing.</p> <div style="text-align: center;">  </div> <p>Before going back, i continue on tracing for the hole of congkak.</p>
4	16-09-2020	Wednesday	**MALAYSIA'S DAY**
5	17-09-2020	Thursday	<p><u>ACTIVITY</u></p> <p>I searched for the best shape of the congkak. As the shape of congkak nowadays is too common, i tried to change it based on my own unique taste. But i still in dilemma either choose traditional or modern shape. Any changes must take consideration based on the technique i will use (layering).</p> <p>After that, i tried to calculate the full dimension of the congkak. I also not sure either to use 6 mm or 9 mm MDF board as it will affect the amount of piece of MDF board that need to be machine to become desired</p>

Num.	Date	Day	Log/Activity
			<p>thickness. As i planned to have a thickness of 150 mm, the best is 9 mm thicj of MDF board. The overall layer is about 16 layer.</p>  <p>This is my first rough idea for congkak before adding some more design and drawing to make it more attractive.</p>
6	18-09-2020	Friday	<p><u>ACTIVITY</u></p> <p>I started my day tracing for the same congkak.</p> <p>I added new design for the first layer of congkak. The design will be using technique of 3D engraving or profile machining. The thickness is only 1 mm deep.</p> <p>Below is the example of the flower that will be choosing for a tracing.</p> 

Num.	Date	Day	Log/Activity
			<div style="text-align: center;">  <p data-bbox="813 1019 989 1030">© Can Stock Photo - csp42587555</p> </div> <p data-bbox="624 1153 1340 1512">But actually, there are some more mandala shape that suitable to use for a tracing. Mandala is beautiful as it contain so many layer inside that can be use and suitable for technique of layering. Most importantly it make me easier to trace and save time. In their most basic form, mandalas are circles contained within a square and arranged into sections that are all organized around a single, central point. Also, mandala already fulfill requirement which i need something that organized around central point.</p>

Num.	Date	Day	Log/Activity
7	19-09-2020	Saturday	<p><u>ACTIVITY</u></p> <p>At first, i continue on adding my own design into congkak. I changed the common shape of congkak to the unique one. And then i added some features including circle and flowers with it leaf.</p> <p>Example of features from nanoCAD :</p> 

Company Supervisor Signature



8.2 - TABLE OF DAILY/WEEKLY STUDENT ACTIVITY AND ASSESSMENT FORM BY COMPANY/ORGANIZATION SUPERVISOR

SUMMARY OF ACTIVITIES		WORKING WEEK :	
Date		Work Summary/Daily Activities	Duration Hours
From	Upto		
14/9	19/9	Sample making with CNC router machine	

Instruction to supervisor:

Please refer to the student report in Table 8.4 before accessing and commenting. Please (✓) in the appropriate box.

1. Poor
2. Unsatisfactory
3. Satisfactory
4. Good
5. Excellent

WEEKLY EVALUATION OF SUPERVISOR IN COMPANY/ORGANIZATION

Work performance and student report:	Supervisor's signature & date : <i>Chm.</i>
	Name : CHAN CHEE LEONG
	Post & stamp : PROJECT MANAGER
	Date : 29/9/2020

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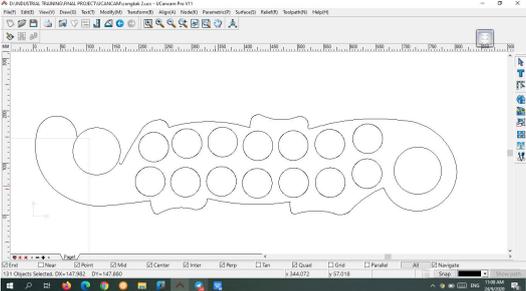
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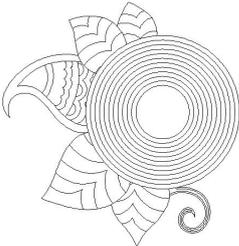
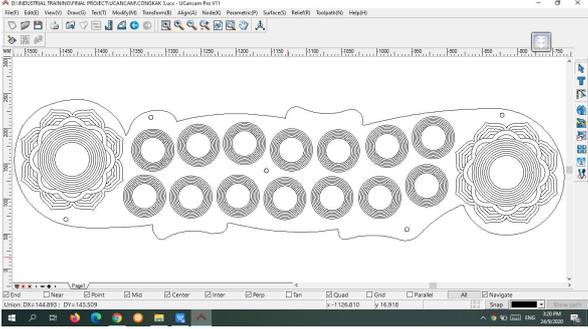
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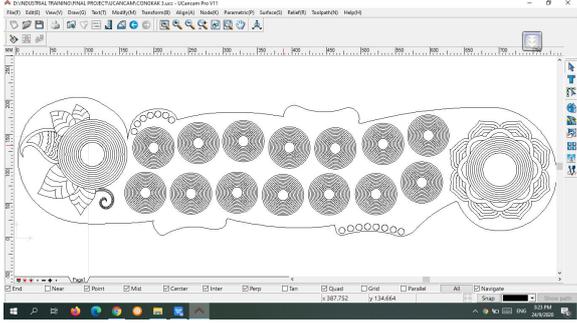
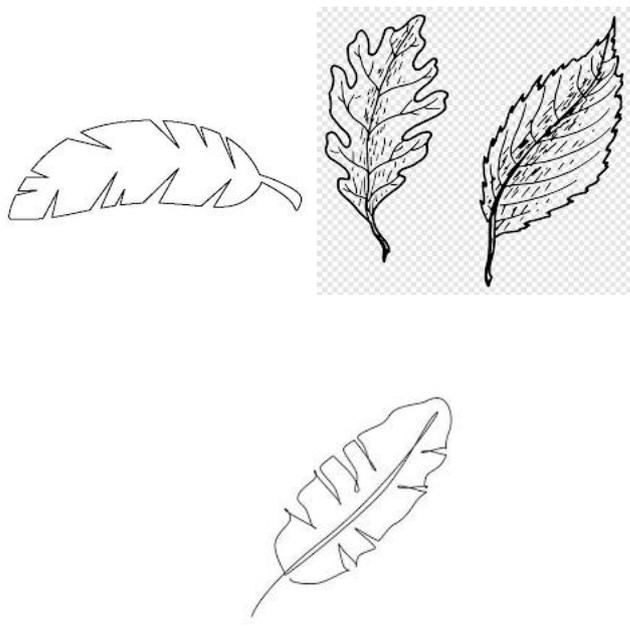
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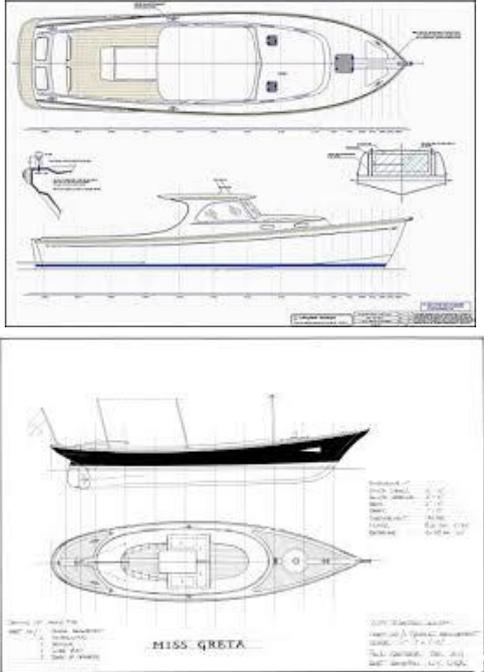
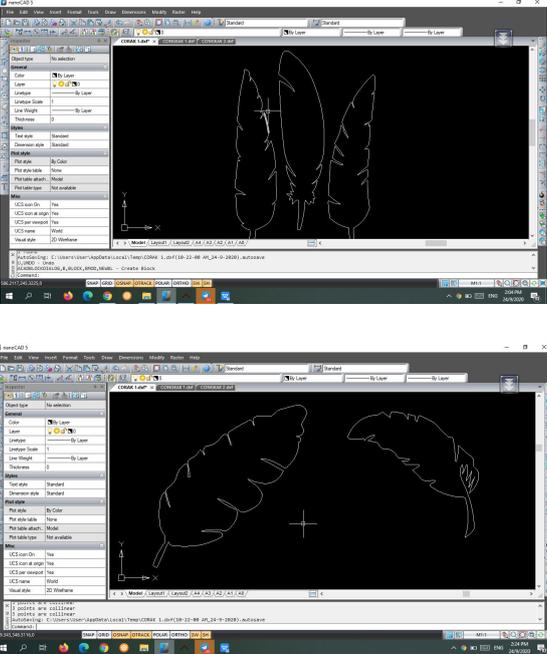
Log Book From 20-09-2020 To 26-09-2020

Num.	Date	Day	Log/Activity
1	20-09-2020	Sunday	<p data-bbox="622 313 694 347">-N/A-</p> <p data-bbox="622 353 790 392"><u>ACTIVITY</u></p> <p data-bbox="622 425 1300 638">After a week, i tried to change the initial shape of congkak from a common one to the unique one. As i was thinking to add flower for the outer shape of the hole, so i roughly design to the random shape of congkak. I tried to make it suitable for the overall theme.</p> 
2	21-09-2020	Monday	<p data-bbox="622 1019 1348 1377">I also learned back the basic thing about congkak. Be it shape and history. Some player called the 7 small holes as house or either 'kampung'. The the biggest holes as storehouse or home. Each player uses the side of the board that is closest to him or her. Each player starts the game with seven shells in his or her houses. Usually a 'buah' (game piece) using rubber seeds or marbles. The lenght of the 7 holes Congkak board is usually around 80 cm wide and the diameter of the seven holes is usually about 18 cm.</p> 

Num.	Date	Day	Log/Activity
3	22-09-2020	Tuesday	<p data-bbox="625 239 1340 275"><u>ACTIVITY</u></p> <p data-bbox="625 315 1340 528">On this day, what i did was adding line by using offset method for all 14 holes (house) which have a total 16 layer. After that, i added line for the outer shape of the congkak and added hole for the screw to pass through all the layer. The diameter for the hole of screw is 6 mm. There are about 6 holes to hold onto all the layer.</p> <div data-bbox="874 577 1098 801" style="text-align: center;"> </div> <div data-bbox="852 853 1123 1120" style="text-align: center;"> </div> <p data-bbox="625 1160 1066 1196">Example of screw for this product</p> <div data-bbox="798 1375 1171 1464" style="text-align: center;"> </div> <div data-bbox="826 1630 1155 1935" style="text-align: center;"> </div>

Num.	Date	Day	Log/Activity
4	23-09-2020	Wednesday	<p><u>ACTIVITY</u></p> <p>Early in the morning, i did preparation for the presentation with Dr Ahmad Humaizi, the supervisor of UTM.</p> <p>At 9 am sharp, i started the presentation in front of Dr Ahmad Humaizi and manager, Chan Chee Leong. The presentation takes almost 1 hour and a half. During presentation, there is interaction from both side, supervisor and manager. There are also question and answer session. I could say the journey and experience in the company is the best value i could bring for the future also the punctuality and discipline that lead to the good working result.</p> <p>After ended the site visit from UTM's supervisor, i continue my work for the congkak. Try to edit for the big hole.</p>  <p>The overall view and ideas for my congkak with random shape.</p> 

Num.	Date	Day	Log/Activity
			 <p>Around 4.30 pm, i had meeting with manager. The purpose is to know the flow and give comments on my project.</p> <p>During meeting, he suggested that i change the shape of congkak to something creative.</p>
5	24-09-2020	Thursday	<p><u>ACTIVITY</u></p> <p>On this day, i started with searching and find ideas for the suitable shape of congkak. Previously, banana leaf and ship structure was suggested during meeting. So, i tried to find the suitable shape of banana leaf and ship that could fit the big hole (house) of congkak.</p> <p>List of banana leaf :</p> 

Num.	Date	Day	Log/Activity
			<p data-bbox="624 237 1145 273">List of design of ships/boat from above :</p>  <p data-bbox="624 1106 1350 1173">After lunch hour, i started tracing for overall exampe of leaf in nanocad.</p>  <p data-bbox="624 1912 1278 1948">Then, i tried trace for another shape including fish.</p>

Num.	Date	Day	Log/Activity
6	25-09-2020	Friday	<p><u>ACTIVITY</u></p> <p>On the last day of week 10, first i did was find again the suitable shape for the congkak. Thinked the best way to produce the shape that at the end could attract people.</p> <p>In the morning, i did editing for the banana leaf shape. Transferring and adding some design towards it.</p> <p>At last my work is wasted as the software suddenly shut down and cannot function well. All the editing and drawing just simpy missing.</p>
7	26-09-2020	Saturday	-N/A-

Company Supervisor Signature



8.2 - TABLE OF DAILY/WEEKLY STUDENT ACTIVITY AND ASSESSMENT FORM BY COMPANY/ORGANIZATION SUPERVISOR

Date		Work Summary/Daily Activities	Duration Hours
From	Upto		
24/9	26/9	Sample making with CNC router - all process to be record	

Instruction to supervisor:

Please refer to the student report in Table 8.4 before accessing and commenting. Please (√) in the appropriate box.

1. Poor
2. Unsatisfactory
3. Satisfactory
4. Good
5. Excellent

WEEKLY EVALUATION OF SUPERVISOR IN COMPANY/ORGANIZATION

Work performance and student report:	Supervisor's signature & date : <i>[Signature]</i>
	Name : CHAN CHEE LEONG
	Post & stamp : PROJECT MANAGER
	Date : 9 / 10 / 2020

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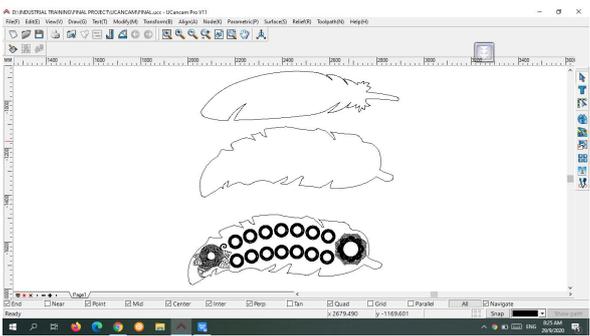
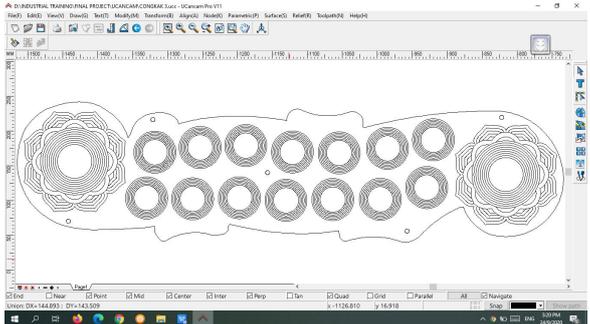
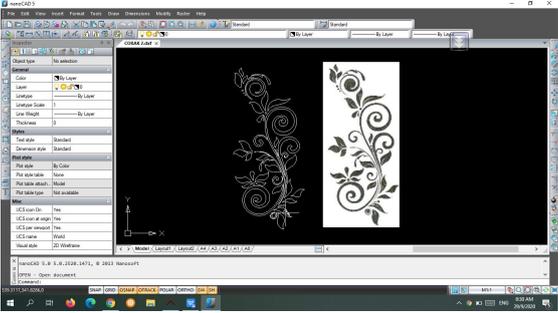
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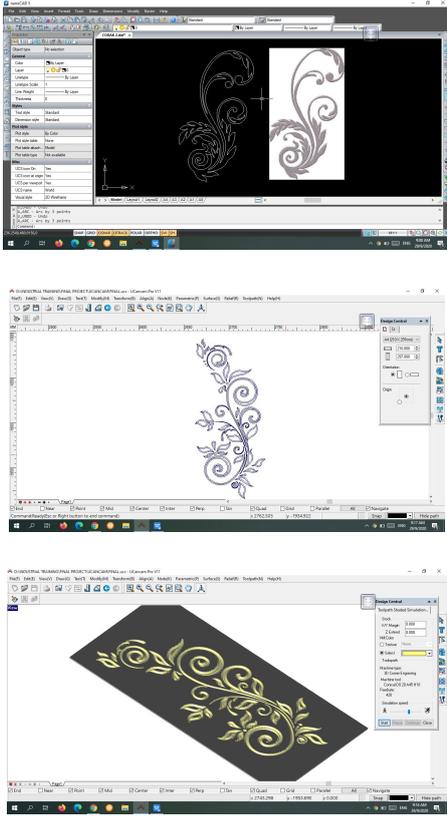
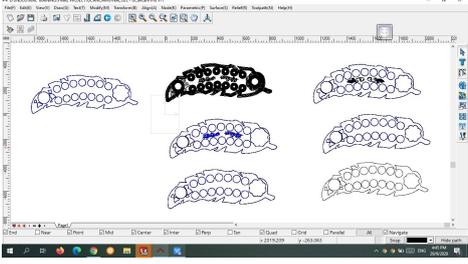
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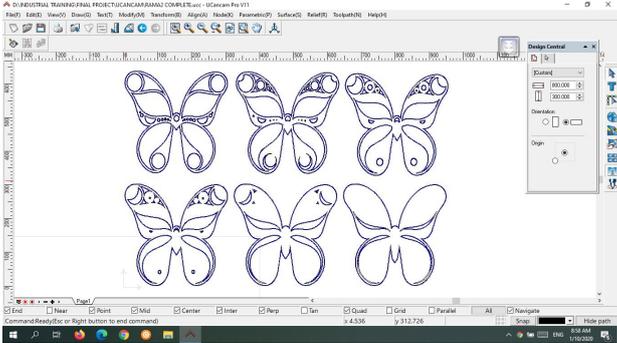
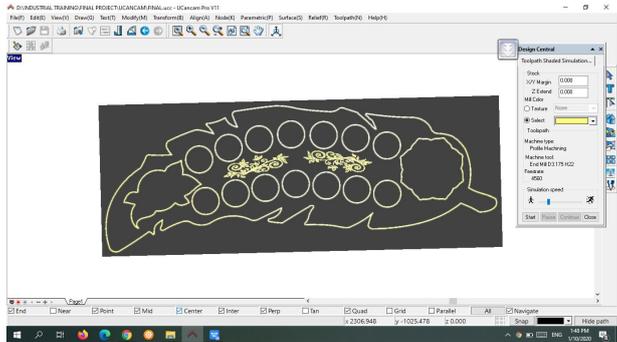
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Log Book From 27-09-2020 To 03-10-2020

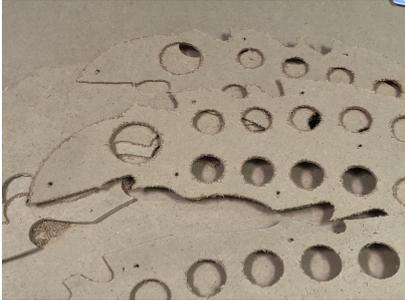
Num.	Date	Day	Log/Activity
1	27-09-2020	Sunday	<p data-bbox="622 313 694 347">-N/A-</p> <p data-bbox="622 353 790 392">ACTIVITY</p> <p data-bbox="622 425 1332 604">I started draw and edit back what i left on Friday. Supposedly, i had overall 4 types of leaves with different kind of shape but i only choose 2 leaves to be drawn to save time. The size still around 800 x 300 mm.</p>  
2	28-09-2020	Monday	<p data-bbox="622 1377 1284 1489">After that, i decided to trace the line for the simple drawing which will enable the 3D corner engraving simulation. The thickness is about 1 mm only.</p> 

Num.	Date	Day	Log/Activity
3	29-09-2020	Tuesday	<p data-bbox="625 239 1351 277">ACTIVITY</p> <p data-bbox="625 315 1351 383">In the morning, i searched for another suitable design for the first layer of Congkak.</p> <p data-bbox="625 421 1351 533">I then started tracing for the all line of that design in NanoCad. After done tracing, i transfered the file into Ucancam software to enable the simulation.</p>  <p data-bbox="625 1422 1351 1534">After lunch, i added the design on the Congkak in Ucancam software and started copy paste to form 16 layers of Congkak.</p> <p data-bbox="625 1572 1351 1720">In the middle of copy and paste, i found a problem at eight layer which the outer layer disturb the line of hole. So, when machining, it will cause undesired shape. I then decided to continue edit again.</p> 

Num.	Date	Day	Log/Activity
4	30-09-2020	Wednesday	<p>ACTIVITY</p> <p>Along the day i did the same editing part for congkak until i feel satisfy.</p> <p>After that, i looked for the butterfly that need to machining. I add the simulation for the overall shape. Compared again for the last time before ready to be machine.</p> <p>And then i continue back to the main product, Congkak. I add the small design on the first layer that will using 3D corner engraving. As i feel the shape is quite good, then i continue to add line for the rest layer. Make sure the size of hole and overall size is suitable for all people too.</p>  

Num.	Date	Day	Log/Activity
5	01-10-2020	Thursday	<p data-bbox="625 239 1355 275"><u>ACTIVITY</u></p> <p data-bbox="625 315 1355 528">From early morning, i did machining for the butterfly task which there are total 8 layers to be machines. But i only did machining for five layers first using the old plasma CNC machine and the others three for the new small CNC machine that later need to record video for the manual.</p> <p data-bbox="625 568 1355 604">So, as usual what i did was :</p> <ol data-bbox="671 645 1355 936" style="list-style-type: none"> <li data-bbox="671 645 1355 748">1. Clean up the surface or base of the machine. Make sure the surface is clean from dust and other unuseful material. <li data-bbox="671 754 1355 824">2. Switch on the machine and make sure the spindle at the origin. <li data-bbox="671 831 1355 900">3. Set up the cutting tool. For this product, the cutting tool used is end mill D0.13. <li data-bbox="671 907 1355 936">4. Start machining. <div data-bbox="742 972 1233 1247" data-label="Image"> </div> <div data-bbox="678 1283 1299 1599" data-label="Image"> </div> <p data-bbox="625 1639 1355 1783">After lunch break, i continue for the main product, Congkak. I start machining layer number eight first as i already suspicious of the outcome of the product during the simulation.</p> <p data-bbox="625 1823 1355 2000">And my suspicious is correct as the front part of Congkak is break or broken before i continue for the next layer, nine. Then, i directly stop machining and think the best way either to change the overall shape of Congkak or change the size of holes only.</p>

Num.	Date	Day	Log/Activity
6	02-10-2020	Friday	<p data-bbox="625 237 1353 271"><u>ACTIVITY</u></p> <p data-bbox="625 315 1353 416">As i already faced the problem before. I continue edit again and think the possible action need to be taken so that I am not ruin the overall product.</p> <p data-bbox="625 461 1353 752">Since morning I tried the best way in editing but at the end i get help from the manager regarding that product. Asking him about what should i do and what he think the best method. And he suggest that i change the size of hole. The holes that involves is only the biggest holes. Luckily not so much work to change that shape and i think to add size by adding the outer line which mean add another layer, the first layer.</p> <p data-bbox="625 797 1353 898">After that, i run the machining for 3D corner engraving part. Just want to see the result from using different cutting tool.</p> <ol data-bbox="671 943 1353 1155" style="list-style-type: none"> 1. Conical D0.13 A30 H15. The result is not satisfying as the space between is too small too fit in he brush for coloring. 2. Conical D0.20 A45 H15.. I quite satisfy but need to change the depth from 1 mm to 2mm to make it clear and space in between is fit for the brush. <div data-bbox="844 1189 1129 1563" data-label="Image"> </div> <div data-bbox="844 1603 1129 1977" data-label="Image"> </div>

Num.	Date	Day	Log/Activity
7	03-10-2020	Saturday	<p><u>ACTIVITY</u></p> <p>In the morning, i start edit Congkak for the last time. From 800 mm length become 840 mm. This due to the the last layer of congkak's shape need to be smaller than the layer before. So, it will affect the overall holes includes the leaf design of the in front Congkak. The total of layer is 18 layers. I might be add 2 more layer to make it 20 layer so that the overall shape of congkak is ideal and attractive. Moreover, I want the height of congkak is a bit taller than the common one.</p> <p>Then, i start to machine for the first six layer. I started with layer number three until layer number eight. There are 14 layers left to be machine. I decided to machine 11 layers on the Monday using the old CNC plasma machine and the other three using the new CNC machine.</p> <p>I bring home the six layers of Congkak to clean the dust around it so i save a lot of time on finishing later.</p>  

Company Supervisor Signature



8.2 - TABLE OF DAILY/WEEKLY STUDENT ACTIVITY AND ASSESSMENT FORM BY COMPANY/ORGANIZATION SUPERVISOR

SUMMARY OF ACTIVITIES		WORKING WEEK :
Date		Work Summary/Daily Activities
From	Upto	Duration Hours
08/9	3/10	Sample making with CNC router - all process to be record

Instruction to supervisor:

Please refer to the student report in Table 8.4 before accessing and commenting. Please (✓) in the appropriate box.

1. Poor
2. Unsatisfactory
3. Satisfactory
4. Good
5. Excellent

WEEKLY EVALUATION OF SUPERVISOR IN COMPANY/ORGANIZATION

Work performance and student report:	Supervisor's signature & date : <i>[Signature]</i>
	Name : CHAN CHEE LEONG
	Post & stamp : PROJECT MANAGER
	Date : 9/10/2020

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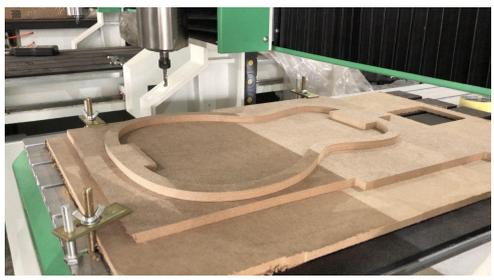
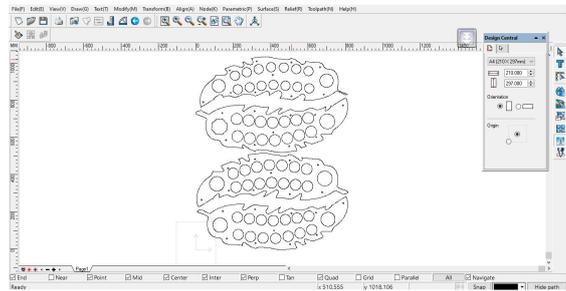
Comments:

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Log Book From 04-10-2020 To 10-10-2020

Num.	Date	Day	Log/Activity
1	04-10-2020	Sunday	-N/A-
			<p data-bbox="622 351 790 392"><u>ACTIVITY</u></p> <p data-bbox="622 425 1308 504">I set up for the rest of Congkak in Ucam software before ready to machining.</p> <p data-bbox="622 537 1316 616">Before that, i helped Fisa to set up the material for the new CNC machine.</p>  <p data-bbox="622 952 1356 1097">So first i did editing again for the last layer and the layer before. I set for the all four layers in one simulation. After that, i compare the thickness and the size before continue for the rest layer.</p>  <p data-bbox="622 1456 1332 1601">After i did machining about ten layers, i thought i need to change the size of holes from 1 mm different to 2 mm. So, what i did was continue edit again and used offset method. This way for layer 8 until 14 only.</p> <p data-bbox="622 1646 1324 1713">Then, i continue did machining for the layer number 8 until 12 only.</p> <p data-bbox="622 1758 1356 1870">As time about 5 pm, i stop the activity on machining and did the finishing. Clean the surface of the layer that have been done by using sand paper.</p>
2	05-10-2020	Monday	

Num.	Date	Day	Log/Activity
3	06-10-2020	Tuesday	<p><u>ACTIVITY</u></p> <p>Early in the morning, i started machining for the layer 13 and 14 only.</p> <p>After going through all the layer, i saw some flaws on layer 17 which the holes is not exactly 6.4 mm. So, it cannot fit the stud or screw of 6 mm diameter. I then decided to renew that layer.</p> <p>After that, i prepared a few pieces of mdf board with length about 90 mm and width of 38 mm to be used later for new CNC machine and three pieces of mdf board with length and width of 40 mm.</p> <p>After lunch break, i directly set up the material on the CNC machine and did machining for the layer that not be done. There are three layers total excluding the first layer. I also did machining for the two layers of butterfly and had time to clean the surface of that material while waiting Fisa done her work.</p>  

Num.	Date	Day	Log/Activity
4	07-10-2020	Wednesday	<p data-bbox="624 239 1355 275"><u>ACTIVITY</u></p> <p data-bbox="624 315 1355 459">First, i settled up everything including logbook and eportfolio. Since this is the last week of internship, i tried to do everything on time including report and video also the final project.</p> <p data-bbox="624 499 1355 678">After that, i did transfer drawing from nanoCAD into Ucam software. The drawing is to be used for the first layer. As the first layer only is not done yet due to unsuitable design, so i cannot do finishing or combine overall layer together.</p> <p data-bbox="624 719 1355 790">After lunch, i did machining for the last layer and i had time for the finishing too.</p> <div data-bbox="775 824 1198 1059">  </div> <div data-bbox="751 1099 1227 1357">  </div> <div data-bbox="746 1397 1233 1659">  </div> <p data-bbox="624 1704 1355 1883">I get helped from Mr Sam and Mr Tay regarding the issue to combine the overall layer. I had difficulties because the technique i will be using is not suitable to combine all layer. So what they did is perfectly fit to my work and does not ruin the project.</p> <p data-bbox="624 1924 1355 2024">I also did bring home the butterfly part to combine all together and make video for both butterfly and Congkak.</p>

Num.	Date	Day	Log/Activity
5	08-10-2020	Thursday	<p data-bbox="625 239 1355 275"><u>ACTIVITY</u></p> <p data-bbox="625 315 1355 383">I started my day combine all layer of butterfly and then Congkak.</p> <p data-bbox="625 423 1355 490">Before that,i need to make a hole for the layer 2 and 17 using hand drill to fit in the 5mm countersunk screw.</p>  <p data-bbox="625 1034 1355 1102">After that, i had to clean again the surface for both butterfly and Congkak before last finishing.</p>  <p data-bbox="625 1482 1355 1550">All in all, i did everything (assemble) until the product is done.</p> 

Num.	Date	Day	Log/Activity
6	09-10-2020	Friday	<u>ACTIVITY</u> First, i did my logbook and e-portfolio before continue edit for the video. After that, i make sure every single thing also the video is perfectly done.
7	10-10-2020	Saturday	-N/A-

Company Supervisor Signature



8.2 - TABLE OF DAILY/WEEKLY STUDENT ACTIVITY AND ASSESSMENT FORM BY COMPANY/ORGANIZATION SUPERVISOR

Date		Work Summary/Daily Activities	Duration Hours
From	Upto		
5/10	9/10	Sample making with CNC router - process recording - manual preparation	

Instruction to supervisor:
 Please refer to the student report in Table 8.4 before accessing and commenting. Please (√) in the appropriate box.

1. Poor
2. Unsatisfactory
3. Satisfactory
4. Good
5. Excellent

WEEKLY EVALUATION OF SUPERVISOR IN COMPANY/ORGANIZATION

Work performance and student report: 1 2 3 4 5

Supervisor's signature & date : *Chh*
 Name : CHAN CHEE LEONG
 Post & stamp : PROJECT MANAGER
 Date : 9/10/2020

Comments:

