_Student Initials: __SK, SD, SP, RJ, YM, NK

TECHNOLOGY STUDENT ASSOCIATION PLAN OF WORK LOG				
Date	Task	Time involved	Team member responsible (student initials)	Comments
10/03/2022 - 10/09/2022 1.	Researching different websites to find inspiration and brainstorming ideas for our website	3 hrs	NK, SP, RJ, SK, SD, YM	
10/10/2022 - 10/16/2022 2.	Chose our specific idea, researched the technologies to make it possible	6 hrs	NK, SP, RJ, SK, SD, YM	We needed ThreeJS for our planets and TailwindCSS for convenient utility classes apart from the vanilla JS/HTML/CSS stack
10/17/2022 - 10/23/2022 3.	Learning the basics of ThreeJS w/ tutorials in order to be able to make our solar system.	10 hrs	NK, SP, RJ, SK, SD, YM	Learned how to make ThreeJS scenes, create geometry, and apply textures
10/24/2022 - 10/30/2022 4 .	Setting up our project, making the ThreeJS scene, making the Earth, making it rotate and move accurately, and making	10 hrs	NK, SP, SK, SD,	Structured our project, built our space scene, renderer and camera, made the Earth using non- copyrighted textures. and generated white stars in random positions
10/31/2022 - 11/6/2022 5.	stars. Making the Moon	6 hrs	NK, SP, YM	Made the Moon and used grouping to make the moon rotate around the earth while the Earth and the Moon also both have their own respective rotations
11/7/2022 - 6. 11/13/2022	Making all the other planets with their respective rotations	15 hrs	NK, SP, RJ, SK, SD, YM	

Advisor Name: Jocelyn Long

Advisor Signature:



inforce and an additional and a second	
8	

TECHNOLOGY STUDENT ASSOCIATION PLAN OF WORK LOG				
Date	Task	Time involved	Team member responsible (student initials)	Comments
11/14/2022 - 11/20/2022 1.	Planned out the rest of our page, what information we would need, structuring, etc.	6 hrs	NK, SP, RJ, SK, SD, YM	
11/21/2022 - 11/27/2022 2.	Made a navbar and footer to navigate between our pages	7 hrs	NK, SD, YM	Wrote the content for our About page
11/28/2022 - 12/4/2022 3.	Built out the About page	7 hrs	NK, SP, RJ, SK, SD, YM	From this point on, we are also writing the content for the pages we are about to write
12/5/2022 - 12/11/2022 4 .	Built out the Products page	8 hrs	RJ, SP, SK, SD,	
12/12/2022 - 12/18/2022 5.	Built out the launch, Launch Vehicles and Launch Safety pages	10 hrs	NK, SP, YM, RJ, SK	
12/19/2022 - 6. 12/25/2022	Built out the Launch Recovery and Launch Training pages	10 hrs	NK, SP, RJ, SK, SD, YM	

Advisor Name: Jocelyn Long

_Student Initials: _ SK, SD, SP, RJ, YM, NK

Advisor Signature:

TECHNOLOGY STUDENT ASSOCIATION PLAN OF WORK LOG				
Date	Task	Time involved	Team member responsible (student initials)	Comments
12/26/2022 - 1/2/2023 1.	Made all the pages responsive	14 hrs	NK, SP, RJ, SK, SD, YM	Changing/hiding images based on screen size, moving horizontal layouts to vertical
1/3/2023 - 1/9/2022 2.	Made the navbar and footer responsive, checked for broken links, built preloader	8 hrs	SK, SP, RJ	Made the navbar collapse into a hamburger menu, since so sometimes ThreeJS, built a preloader to make the website feel smoother
1/10/2022 - 1/13/2022 3.	Button animations, other small tweaks	3 hrs	NK, SP, RJ, SK, SD, YM	Changing the color of some alternate backgrounds, slide-in button animation
4.				
5.				
6.				

Advisor Name: Jocelyn Long

_Student Initials: _ SK, SD, SP, RJ, YM, NK

Advisor Signature:

STUDENT COPYRIGHT CHECKLIST (for students to complete and advisors to verify)

OT! ID E1	re- A control of the
	IT: Answer question 1 below.
	s your solution to the competitive event integrate any type of music and/or sound? YES NO
	go to question 2.
	S, is the music and/or sound copyrighted? YES NO
	S, move to question 1A. If NO, move to question 1B.
	Have you asked for author permission to use the music and/or sound in your solution and included that permission (letter/form) in your documentation? If YES, move to question 2. If NO, ask for permission and if permission is granted, include the permission in your documentation.
,	ls the music/sound royalty free, or did you create the music/sound yourself? If YES, cite the royalty free music/sound OR your original music/sound properly in your documentation.
student a	R ADVISOR: Sign below regarding your student's answer(s) to the use of music/sound in his/her competitive event solution. Even if your answers "NO" to question 1, please sign below noting that you have evaluated the competitive event solution and the student answered tion(s) accurately.
	(chapter advisor), have checked my student's solution and confirm that any use of music/sound is with proper permission and is cited correctly in the student's documentation and/or the solution has been found to have no music/d included.
STUDEN	IT: Answer question 2 below.
2) Does	s your solution to the competitive event integrate any graphics/videos?
If NO	, go to question 3.
If YES	S, is(are) the graphics/videos copyrighted, registered and/or trademarked?
If YES	S, move to question 2A. If NO, move to question 2B.
	Have you asked for author permission to use the graphics and/or videos in your solution and included a permission (letter/form) in your documentation for graphic/video used? If YES, move to question 3. If NO, ask for permission and if permission is granted, include the permission in your documentation.
	ls(are) the graphics/videos royalty free, or did you create your own graphic? If YES, cite the royalty free graphics/videos OR your own original graphics/videos properly in your documentation.
if your st	R ADVISOR: Sign below regarding your student's answer(s) to the use of graphics/videos in his/her competitive event solution. Even udent answers "NO" to question 2, please sign below noting that you have evaluated the competitive event solution and the student of the question(s) accurately.
I, with inclu	(chapter advisor), have checked my student's solution and confirm that the use of graphics/videos proper permission and is cited correctly in the student's documentation and/or the solution has been found to have no graphics/videos ded.
STUDEN	IT: Answer question 3 below.
	s your solution to the competitive event use another's thoughts or research? YES NO
If YES	S, have you properly cited other's thoughts or research in your documentation? YES NO
comp	PTER ADVISOR: Sign below regarding your student's answer(s) to having integrated any thoughts/research of others in his/her petitive event solution. Even if your student answers "NO" to question 3, please sign below noting that you have evaluated the petitive event solution and the student answered the question(s) accurately.
	(chapter advisor), have checked my student's solution and confirm that the use of the thoughts/ such of others is done so with proper permission and is cited correctly in the student's documentation and/or the solution has been found ve all original thought with no use of other's thoughts/research.
Student	Name: Suraj Premchandran, Neel Kumar, Saptak Das, Rishab Jain, Soham Katdare, Yash Miglan
Clarent	Adviser Giovatures V
cnapter	Advisor Signature:

References

- [Online Image]. (2023). In Sierraspace.com.
 - $https://www.sierraspace.com/wp-content/uploads/elementor/thumbs/SS_03_BloomCloud\\s_02-scaled-pomhdchon4y931mncly8ahkfgp95bb4guf4sz928n4.jpg$
- Alexander Gerst in spacewalk training. (2023). [Online Image]. In *Universetoday.com*. https://www.universetoday.com/wp-content/uploads/2013/08/Alexander_Gerst_in_space walk_training.jpg
- Artist's impression of Ceres. (2013). [Online Image]. In *ESA*.

 https://www.esa.int/var/esa/storage/images/esa_multimedia/images/2014/01/artist_s_impression_of_ceres/13498472-1-eng-GB/Artist_s_impression_of_Ceres_pillars.jpg
- Cassini Grand Finale. (2023). [Online Images]. In *Sci.news*.
 - https://cdn.sci.news/images/enlarge5/image_6492_1e-Cassini-Grand-Finale-Science.jpg
- Flyby of Mars. (2014). [Online Image]. In Nasa.gov.
 - https://mars.nasa.gov/system/content_pages/main_images/378_maven.jpg
- Great red spot. (2021). [Online Image]. In *Ytimg.com*. https://i.ytimg.com/vi/dwDvVLN2OVI/maxresdefault.jpg
- Greg Rakozy. (2015, October 15). Silhouette photography of person. Unsplash.com. https://unsplash.com/photos/oMpAz-DN-9I
- Hall, N. (2021, May 13). *Rocket Propulsion*. Www.grc.nasa.gov.

 https://www.grc.nasa.gov/www/k-12/airplane/rocket.html#:~:text=In%20a%20rocket%2

 0engine%20%2C%20fuel
- Kennedy, J. (1962, September 12). Address at Rice University on the Nation's Space Effort, September 12, 1962 | JFK Library. In www.jfklibrary.org [Transcript].

- https://www.jfklibrary.org/archives/other-resources/john-f-kennedy-speeches/rice-univers ity-19620912
- Konstantin E. Tsiolkovsky. (2013, June 5). NASA.

 https://nasa.gov/audience/foreducators/rocketry/home/konstantin-tsiolkovsky.html
- Lyon, C. (2022, May 19). Deploying in 2023, Dream Chaser opens New Horizons for commercial space travel. Sierra Space.
 - https://www.sierraspace.com/newsroom/blog/deploying-in-2023-dream-chaser-opens-new-horizons-for-commercial-space-travel/
- MNB Precision. (2018, December 11). *The 10 Greatest Aerospace Engineers Of All Time*. MNB Precision. https://www.mnbprecision.com/greatest-aerospace-engineers/
- NASA. (n.d.). The surface of Europa [Online Image]. In *NASA*. Retrieved January 13, 2023, from

https://europa.nasa.gov/rails/active_storage/disk/eyJfcmFpbHMiOnsibWVzc2FnZSI6IkJBaDdDRG9JYTJWNVNTSXBOV00zTUdGbVkyVXRNREkyWkMwME16STBMVGsyTkRFdFlUTmlNV0V5T0RSaU16Z3lCam9HUlZRNkVHUnBjM0J2YzJsMGFXOXVTU0pyYVc1c2FXNWxPeUJtYVd4bGJtRnRaVDBpWlhWeWIzQmhYMkZ5ZEdsemRGOWpiMjVqWlhCMFh6RTJNREJ3ZUM1cWNHY2lPeUJtYVd4bGJtRnRaU285VlZSR0xUZ25KMlYxY205d1lWOWhjblJwYzNSZlkyOXVZMlZ3ZEY4eE5qQXdjSGd1YW5CbkJqc0dWRG9SWTI5dWRHVnVkRjkwZVhCbFNTSVBhVzFoWjJVdmFuQmxad1k3QmxRPSIsImV4cCl6IjIwMjMtMDEtMTRUMDI6NTE6NDYuMzA5WiIsInB1ciI6ImJsb2Jfa2V5In19--8a7301a91eba8f70538a234d243ff903fc27979c/europa_artist_concept_1600px.jpg?content_type=image%2Fjpeg&disposition=inline%3B+filename%3D%22europa_artist_concept_1600px.jpg%22%3B+filename%2A%3DUTF-8%27%27europa_artist_co

ncept_1600px.jpg

- Orbital Lander 3D model by sprunghunt. (n.d.). Sketchfab.com. Retrieved January 14, 2023, from https://sketchfab.com/models/185a7a53383e49fdb3698a6bf434d526/
- Sherbakov, V. (2013). A view of St. Paul's Cathedral and the Millennium Bridge in London [Online Image]. In *unsplash.com*. https://unsplash.com/photos/xS_RzdD5CFE
- Solar Orbiter Flyby of Venus Pillars. (n.d.). [Online Image]. In *ESA*. Retrieved January 13, 2023, from
 - https://www.esa.int/var/esa/storage/images/esa_multimedia/videos/2020/12/solar_orbiter_flyby_of_venus/22391903-1-eng-GB/Solar_Orbiter_flyby_of_Venus_pillars.jpg
- Space Shuttle 3D model by Korn (@Howl). (n.d.). Sketchfab.com. Retrieved January 14, 2023, from
- https://sketchfab.com/3d-models/space-shuttle-6cbf64ebdd474dc7910218c30e03fbe9 Spacewalk training. (2019). [Online Image]. In *Nasa.gov*.
 - https://www.nasa.gov/sites/default/files/styles/full_width_feature/public/thumbnails/imag e/edu_srch_spacewalk_training-a.jpg
- Titan: electric sands. (2023). [Online Image]. In *Sci.news*. https://cdn.sci.news/images/2017/03/image_4742_1-Titan-Electric-Sands.jpg
- Vu, J. (2014). Shooting stars under blue sky [Online Image]. In *unsplash.com*. https://unsplash.com/photos/TIrXot28Znc
- (2023). In Wikimedia.org.
 - https://upload.wikimedia.org/wikipedia/commons/b/ba/Saturn_eclipse.jpg