

Office of Grants Administration

MARCH 2022

ARES Private

When preparing your full proposal/project plan, it is important that you set clear milestones to enable efficient tracking of the project progress.

Note that milestones

Define milestones properly. Each milestone must signify a change/progress towards achieving the final outcome.

Monitor progress closely and identify warning signs/risks.

Check with Grantor before raising any variation requests.

Follow guidelines and recommendations provided by Grantor.

- ✗ Confuse milestones with tasks and as a result, create too many milestones.
- ✗ Underestimate potential bottlenecks.
- ✗ Deviate from original project plan, unless changes are necessary for project progress and approved by Grantor.
- ✗ Make last minute requests. With good project planning and monitoring, such requests are easily avoidable.

“Complete the development of new Machine Learning Interaction Potentials (MLIPs) using anharmonicity”

“Successful demonstration of the sensor’s PPB sensitivity level”

“Launch of BCI-based stroke rehab APP”

“Complete software development and process parameter refinement”

“Complete alpha testing and validation of Radar-Camera”

“Complete the analysis of half-of -life data and safety profiles”

χ *“Research Fellow recruitment and purchase of project consumables”*

χ *“To study the influences of the surface states on electron transport across the contact surfaces”*

χ *“Annual networking meeting”*

χ *“Analysis of results and manuscript writing”*

χ *“Set up and maintain core machine learning team”*

χ *“Selective functionalization/protection of secondary alcohols”*

χ *“Explore new colloidal super crystals ”*

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Study the influences of the surface states on electron transport across the contact surfaces												
Complete software development and process parameter refinement												

When compared against various sub-6 GHz, < 0.5 W linear PAs in the market, the proposed target is clearly more superior across all considered parameters:

Frequency	5.15-5.85 GHz	4.9-5.9 GHz	3.75 GHz (5G NR)	6 GHz
Max P _{out}	-	32.5 dBm	-	33 dBm
P _{out}	25 dBm	25 dBm	26 dBm	27 dBm
Efficiency	11.4%	9.4%	13.3%	25%
Integration	16 mm ² (package)	35 mm ² (package)	6.9 mm ² (SM-only)	1 mm ² (MMIC)



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