Three Minute Thesis Competition
First round schedule
February 7, 2024

Each heat will begin with opening remarks by the moderator. Presentations will follow and will occur approximately every 4 minutes (3 minutes per presentation followed by approx. 1 minute for judges to finalize scores and to transition between presenters.)

Schedule is subject to change.

Heat 1
9:30 - 10:15am | 227 K-State Student Union

First Name	Last Name	Degree	Program	Presentation title	Faculty - First Name	Last Name	Faculty - First Name	Last Name
Rahul Harsha	Cheppally	PhD	Biological and Agricultural Engineering	Multi-Robot Task Scheduling Using RL	Ajay	Sharda		
Kaori	Kobayashi	PhD	Food, Nutrition, Dietetics and Health	The Discovery of Antioxidants in Wheat Brans for Retarding Aging	Weiqun	wang		
Endy	Kailer	PhD	Agronomy	Rooting for Change: Soil Fungi and the Future of Climate Resilience	Charles	Rice		
Aliva	Bakshi	PhD	Computer Science	Leveraging Advanced Deep Learning Techniques for Sorghum Yield Estimation	Doina	Caragea		
Preshous	Benjamin	PhD	Health and Human Sciences - Couple and Family Therapy	But I love them!: A study on Family Approval	Jared	Durtschi		
Markanna	Moore	PhD	Horticulture and Natural Resources	Safer Hydroponic Food Production Systems with Ultraviolet Light Technologies	Manreet	Bhullar	Teng	Yang
Aidan	Cairns	MS	Grain Science	Filament Feast: 3D Printing for Plant-Based, Earth Friendly Steaks	Sajid	Alavi		
Tingyuan	Xiao	PhD	Biochemistry	Enhancing the Camelina Seed Oil by Expressing EfDAcT and CpFatB2 Gene	Timothy	Durrett		
Rishabh	Singh	MS	Agronomy	What makes the driver weed Palmer amaranth a colossal problem for agriculture?	Mithila	Jugulam		

Heat 2

10:00 - 10:45am | Flinthills Room K-State Student Union

First Name	Last Name	Degree	Program	Presentation title	Faculty - First Name	Last Name	Faculty - First Name	Last Name
Nishadini	Widanagamage	MS	Agronomy	Sweet (Moisture) Spot for Soil Microbes	Andres	Patrignani		
Andrea	Salazar	PhD	Entomology	Reducing Tick Populations through Prescribed Burning	Cassandra	Olds		
Jessica	Bezerra De Oliveira	PhD	Agronomy	Intensification of Wheat-Based Systems: Impact on N2O emissions	Charles	RICE		
Nikita	Gautam	PhD	Computer Science	Using Large Language Models to Construct a Knowledge Graph for Waterborne Illness	Doina	Caragea		
Ryley	Griffin	MS	Grain Science	Whole Soybeans: Trash or Treasure?	Sajid	Alavi		
Vikas Kumar	Galipothu	PhD	Horticulture and Natural Resources	Novel sanitation approaches to control Listeria biofilms in the organic produce industry	Manreet S	Bhullar		
Kelechi	Igwe	PhD	Biological and Agricultural Engineering	How much water do crops really need?	Vaishali	Sharda		
Md Sharifur	Rahman	PhD	Grain Science	Wheat Bran Antioxidants Elevate Human Stem Cells Growth Performance	Xiuzhi Susan	Sun		
Vajiheh	Shahsavari	MS	Curriculum and Instruction	Autoethnography	Todd	Goodson		

Heat 3

11:00 - 11:45am | 227 K-State Student Union

First Name	Last Name	Degree	Program	Presentation title	Faculty - First Name	Last Name	Faculty - First Name	Last Name
Tochukwu	Onyebum	MS	Geology	Mantle structure over Central and Eastern United States	Claudia	Adam		
Juhwan	Lim	PhD	Health and Human Sciences - Hospitality Administration	Interview behaviors tell personality traits for the better hiring decisions	Jichul	Jang		
Fnu	Rehan Khan	PhD	Biology	Fruit flies as tiny ally for bridging the gap in cancer research	Jocelyn	McDonald		
Rupinder	Singh	PhD	Entomology	Sorghum's Secret Weapon: Polyphenols Against Insect Invaders	Kun Yan	Zhu	Erin	Scully

Sagar	Pokhrel	MS	Horticulture and Natural Resources - Urban Food Systems	Food Safety Infographics As Effective Educational Tool	Manreet	Bhullar	
Dawson	Christensen	MS	Entomology	Bridging the Gap between a Stored Product Beetle and Nature	Yoonseong	Park	Alison	Gerken
Midhat	Tugoo	MS	Agronomy	Evaluating and developing herbicide options for Pearl Millet	Ramasmy	perumal	Vara	Prasad
Anna	Kazarina	PhD	Microbiology	Understanding Mechanisms of Plant-Microbe Interactions	Sonny	Lee	Ari	Jumpponen

Heat 4

11:15am - 12:00pm | Flinthills Room K-State Student Union

First Name	Last Name	Degree	Program	Presentation title	Faculty - First Name	Last Name	Faculty - First Name	Last Name
Aryan Singh	Dalal	PhD	Computer Science	Distance Quantifier System	Ajay	Sharda		
Kendra	Marstall	MS	Master of Public Health	Physical Activity in Rural Long-term Care	Gina	Besenyi		
Shivaprasad	Doddabematti Prakash	PhD	Grain Science	Unwrapping the Sweet Mystery: Is Your Cookie Dough a Safe Delight?	Kaliramesh	Siliveru		
Rachel	Johnson	PhD	Entomology	Hijacking the Immune System of Pest Insects	Kun Yan	Zhu		
Holly	Ellis	Masters	Architecture	Redefining Amenity Program in Senior Living Residences	Migette	Kaup		
Sabreena	Parray	MS	Agronomy	Genetic architecture for drought tolerance and grain composition in pearl millet	Ramasamy	Perumal	P.V Vara	Prasad
Ajay Prasanth	Ramalingam	PhD	Agronomy	Introducing pearl millet in Kansas: a potential alternative crop to meet food security	Ramasamy	Perumal	P.V. Vara	Prasad
Ikenna	Onyekwelu	PhD	Biological and Agricultural Engineering	How do we save water and improve maize productivity under future climate change?	Vaishali	Sharda		

Heat 5

1:15 - 2:00pm | 227 K-State Student Union

First Name	Last Name	Degree	Program	Presentation title	Faculty - First Name	Last Name	Faculty - First Name	Last Name
Joana	Schroeder de Souza	MS	Agronomy	WHY AGRICULTURAL HERBICIDES ARE SO FEARED BY THE PUBLIC?	Anita	Dille		

Paul	Javed	PhD	Chemistry	Water Splitting for Renewable Energy Using Noble Metal Nanoparticles as Catalysts	Christine	Aikens		
Fei Xyza	Asuncion	PhD	Biological and Agricultural Engineering	Improving the effectiveness of insect control by predicting the motion of insecticide particles	Donghai	Wang	Mark	Casada
Amelia	Brady	MS	Master of Public Health	Eco Epidemic: The Rise of Chronic Wasting Disease in Kansas	Ellyn	Mulcahy		
Rania Marie	Buenavista	PhD	Grain Science	Cold Plasma in Food Applications: Enhancing Proteins One Pulse at a Time	Kaliramesh	Siliveru		
Ernestina	Wiafe	PhD	Curriculum and Instruction	Preparing Higher Education for the Anticipated Global Order: An Examination of the African Presence in Published Works Over Five Decades in Educational Considerations	Kay Ann	Taylor		
Megan	Bourns	PhD	Agronomy	Sustainable Sufficiency: Phosphorus fertility, reimagined	Nathan	Nelson		
Nooshin	Zeinali	PhD	Electrical and Computer Engineering	Towards a Future of Less Invasive, More Accurate Cancer Therapy.	Punit	Prakash		
Conrad	Kabus	MS	Grain Science	How to 3D print your next meal: Food for the Future	Sajid	Alavi		

Heat 6

2:00 - 2:45pm | Flinthills Room K-State Student Union

First Name	Last Name	Degree	Program	Presentation title	Faculty - First Name	Last Name	Faculty - First Name	Last Name
Nirajan	Piya	MS	Biological and Agricultural Engineering	Robotic Spraying System for Row Crops	Ajay	Sharda		
Blaine	Hupe	Masters	Master of Landscape Architecture	The campus image: using social media to design for place attachment.	Hyung	Kim		
Amirsalar	Bagheri	PhD	Chemical Engineering	Artificial Intelligence in Green Ammonia Production: Enhancing Efficiency and Sustainability	Davood	B.Pourkargar		
Shirin	Sheikhi zadeh	PhD	Grain Science	Beyond Beef: Innovation in plant-based meat with grain science	Sajid	Alavi		
Irosha	Wanithunga	PhD	Agronomy	Nitrogen Fixing Microbial Products: Solution for Nitrous Oxide Emissions & Sustainable Agriculture?	Charles	Rice		

Comfort	Kwamikorkor	MS	Horticulture and Natural Resources	Electrostatic spraying might be a new tool to improve fresh produce safety	Manreet	Bhullar		
Luiz Otavio	Pradella	MS	Agronomy	Why Tillers?	Romulo	Lollato		
Gage	Roberts	Masters	Master of Regional and Community Planning	Highway Corridor Revitalization: Planning for the Historically Marginalized	Susmita	Rishi		

Heat 7

2:45 - 3:30pm | 227 K-State Student Union

First Name	Last Name	Degree	Program	Presentation title	Faculty - First Name	Last Name	Faculty - First Name	Last Name
Jessica	Smallfield	MS	Animal Science	An Alternative Protein Source for the Growing Pig	Bob	Goodband		
Wagner	Squizani de Arruda	MS	Agronomy	Bioinoculant: Cultivating Sustainability for Enhanced Productivity and Minimal Environmental Footprint	Charles	Rice		
Andrew	Dorsch	MS	Grain Science	Lactic acid fermentation of experimental wheat flour streams	Hulya	Dogan	Elisa	Karkle
Suyash	Pratap	MS	Industrial Engineering	Dynamic Vehicle Routing in Post Disaster Scenarios	Husain	Aziz		
Mobashsira	Tasnim	MS	Geography	Optimizing marginal lands for SPV site selection	Marcellus	Caldas		
Jordan	Williams	MS	Civil Engineering	The End is not The End: Swine Manure, a Love Story	Prathap	Parameswaran		
Emmanuel	Nwachukwu	MS	Horticulture and Natural Resources	Improving Tall Fescue-Kentucky Bluegrass Sod Strength for Kansas Sod Producers	Ross	Braun		
Shelby	Innes	PhD	Biochemistry	C. elegans: A small, but mighty model to study neurodegenerative diseases	Shijiao	Huang		
Kylee	Jennings	Masters	Regional and Community Planning	Are Mobile Homes the Solution to the Affordable Housing Crisis?	Susmita	Rishi		

Heat 8

3:15 - 4:00pm | Flinthills Room K-State Student Union

First Name	Last Name	Degree	Program	Presentation title	Faculty - First Name	Last Name	Faculty - First Name	Last Name
Kehinde	Bosikun	MS	Geology	Complex network analysis of extreme temperature events in the United States	Behzad	Ghanbarian		

Soudabeh	Taghian Dinani	PhD	Computer Science	Tweet Analysis for Saving Lives: How Deep Learning Helps Emergency Agencies During Disasters with Timely Insights	Doina	Caragea		
Leah	Klos	PhD	Psychology	Transparency Unmasked: A Look Into Company Communications to Employees	Jin	Lee		
sungmin	yoon	PhD	Biochemistry	How to improve mRNA delivery and therapy	John	Tomich		
Yasir	Parrey	MS	Agronomy	Climate Change and Herbicide Stress: Can Kansas Wheat Flourish?	Mithila	Jugulam	P.V. Vara	Prasad
Hazel	Scribner	MS	Entomology	Pest Management is Buckets of Fun	Rob	Morrison	Kun Yan	Zhu
Alex	Stanton	MS	Horticulture and Natural Resources	Understanding Land-Grant University Extension Use: A Survey of Homeowners of the Great Plains	Ross	Braun		
Ericka	Bauer	PhD	Health and Human Sciences - Hospitality Administration	Substance Use Disorder and Food Service Workers - How do employees' access treatment?	Jichul	Jang		
Dena	Bunnel	PhD	Security Studies	Growing Peace: The impact of agricultural development on resilience in conflict-affected Nigeria	Andrew	Long		