

2018 National Invention Contest and Exhibits (NICE) Qualifiers

TUKLAS (Outstanding Invention) Category

Entry No.	Region	Title of Invention	Patent No.	Inventor/s
1.	NCR	Lamp Primers for White Spot Syndrome Virus	1-2013-000158	Mary Beth B. Maningas
2.	CARAGA	Veterinary Medical Table	1-2012-000071	Aurora A. El-Estwani

2018 National Invention Contest and Exhibits (NICE) Qualifiers

Outstanding Utility Model Category

Entry No.	Region	Title of Utility Model	Registration No.	Maker/s
1.	NCR	Renewable Resource-based Biodegradable Thermoplastics	2-2014-000614 2-2014-000615	Marissa A. Paglicawan Blessie A. Basila Ma. Teresa V. Navarro Carlo S. Emolaga Delmar D. Marasigan Posito P. Corbita
2.	CAR	Portable Unihoused Water Purification and Sterilized Apparatus	2-2017-000319	Rodrigo P. Duque
3.	1	A Mathematical Game Device	2-2012-000367	Bobby F. Cabe
4.	2	A Process of Producing Crispy Snack Food Made from Mixed Vegetables	2-2016-000105	Engr. Arthur G. Ibañez, Dennis V. Policar, Bernadette B. Palad, Asela M. Dayaca
5.	3	A System for Treatment of Municipal Solid Waste	2-2016-000431	Genovevo C. Sebastian
6.	IV-B	Process of Making Rice Straw Geotextile Mat	2-2014-000460	Rolando P. Javellonar
7.	5	Variable Engine Valve Spring Compressor	2-2011-000167	Dr. Nicanor B. Balbin
8.	6	Electric Junction Box	2-2016-000588	Armando R. Reosura
9.	7	Crab Cage	2-2016-000860	Ralph A. Cabrera
10.	8	Process of Preparing Squid Rings	2-2016-000906	Leonora D. Doncillo and Vivian L. Moya
11.	10	Dry Grain Picking Apparatus	2-2016-000469	Conorcio S. Namoco Jr., Juvy T. Cloma, Gerby C. Rabago, Reginal A. Surbano
12.	12	High Intencity Light Emitting Diode Squid Flashing Device	2-2015-000003	Julie E. Albano Richie B. Espallardo
13.	CARAGA	Refrigerator with Alarm System for Storing Pharmaceutical Products	2-2017-000021	Mary Grace A. El-estwani

2018 National Invention Contest and Exhibits (NICE) Qualifiers

Outstanding Industrial Design Category

Entry No.	Region	Title of Industrial Design	Registration No.	Designer/s
1.	NCR	Interlocking Block (Ecoblock)	3-2012-000911	Justino R. Arboleda
2.	2	Baby Chair	3-2014-001003	Romulfo C. Sanchez
3.	5	Hydraulic Leaf Spring Suspension Bushing Remover/Installer	3-2016-000331	Jose C. Tunay Jr III Michael C. Barbecho Romeo B. Morcilla
4.	7	Multi-Purpose Chair-Table with Lamp Designer	3-2015-000876	Vito Angelo D. Selma

2018 National Invention Contest and Exhibits (NICE) Qualifiers

LIKHA (Outstanding Creative Research) Category

Entry No.	Region	Title of Research	Researcher/s
	NCR		
1.	NCR	Development of Dielectric Spectroscope Utilizing Microwave Frequency for Cacao Pod's Maturity Testing	Maria Rhodora C. Arias Shannie Gail R. Capadoza John Robin D. Cawigan Marcus Philip G. Magnait Jan Joevil A. Razon
2.	NCR	Zinc-Doped Bentonite and Zeolite as Natural Rubber Deodorant	Bryan B. Pajarito
3.	CAR	Bantay Krimen: A Real Time Crime Prevention Informaion System	Nathaniel Vincent A. Lubrica
4.	1	Modified Smoke House	Zaldy A. Fernandez
5.	2	Walk Behind Grain Collector	Romeo G. Seguban, Reynante N. Santiago, Charles Joseph Ceazar M. Seguban, Eduardo R. Genez, Antonio Wayco
6.	3	Impeller Compact Ricemill	Michael A. Gragasin Romualdo C. Martinez Jayvee P. illustrisimo
7.	IV-A	Development and Utilization of Actinomyces as Biocontrol Agents Against Panama Wilt Causing Fusarium oxysporum TR4 in Cavendish Banana (ACTICon)	Irene Papa Teofila Zulaybar
8.	IV-B	Development of Stingless Bee Propolis Jam	Ronie F. Magsino Polemer M. Cuarto
9.	5	Synthesis of Bioethanol from Eddoe (<i>Colocasia esculenta</i> var <i>antiquorum</i>) Tubers via Simultaneous Liquefaction, Saccharification and Fermentation (SLSF)	Ronaldo C. Reyes Editha S. Bonaobra Aurea B. Biron
10.	6	Multi-purpose Food Smoker and Cooker	Noel L. Nacisvalencia
11.	7	Construction Block/ Panel from Waste (EPS)	Roy Concordio C. Nacua

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LIKHA (Outstanding Creative Research) Category

Entry No.	Region	Title of Research	Researcher/s
12.	8	Computerized Scoring A Paper-Based Multiple-Choice Exam (PBMCE) Through Image Processing	Higinio Almenario
13.	9	Nanoscaled Polyaniline Films for Smart Packaging Application	Dr. Joel G. Fernando
14.	10	A Low-Cost Wireless Remote Power Monitoring Device for Transformer Load Management	Karl Martin A. Aldueso, Marven E. Jabian, Kister Genesis M. Jimenez
15.	11	Alcasol Pure Organic Antibacterial & Antifungal Disinfectant	Aezer Cajegas
16.	12	Evaluation and Development of Nutraceutical And Cosmeceutical Products from Saluyot (<i>Corchorus olitorius</i>) and Okra (<i>Abelmoschus esculentus</i>): Protective and Preventive Alternatives for Health and Wellness	Maria Amelia R. Punia Tres Tinna B. Martin Dr. Edna P. Oconer Christine Dawn G. Obemio
17.	CARAGA	Synthesis and Characterization of Flake-like Fluorapatite Powder from Golden Apple Snail (<i>Pomacea canaliculata</i>) Shells as Potential Dental Material	Roy B. Piloton
18.	ARMM	INFI-LON	Elizalde B. Avila Jr.

2018 National Invention Contest and Exhibits (NICE) Qualifiers

SIBOL (Outstanding Student Creative Research for College) Category

Entry No.	Region	Title of Research	Researcher/s	Adviser/s
1.	NCR	Flame Emission Photometric Determination of Iron via Digital-Imaging Based Detection	Sandra Mei M. Branzuela	
2.	CAR	Façade-Integrated Fog Collector: A Supplementary Residential Water Supply	Jireh Grace E. Pihoc John Carlo C. Marquez Jayarr N. Urbano Sydneyton Barri P. As-il Julienne Cristy D. Saliwan Micah Joy A. Baldonado Reina Joy H. Alip	
3.	1	A Multi platform Rice insect pest control & management system	Roel Damisel Rimelyn Aquino Bernadette Boado Francis Darel Orejudos Joel Niko Ritumalta	Eusebio L. Mique Jr.
4.	2	Effect of Different Sizes and Stocking Densities of Productivity and Water Quality of Excel Nile Tilapia (<i>Oreochromis Sp.</i>) Pangasius (<i>Pangasius hypophthalmus</i>) - (Lettuce <i>sativa</i>) Raft Aquaponic System	Eduardo S. Lim, Jr.	Dr. Isagani P. Angeles, Jr.
5.	3	Automatic Rainwater Collector with Filtration and Potability Analysis	Patrick A. Villangca Ana Celina N. Estanislao Hector M. Manaog Jr. Tomas Gabriel P. Baizas Raymart N. Alarcon	Engr. Marites D. Castro Dr. Monaliza Jimenez
6.	IV-A	MCU-Based Automatic Anti-DrunkDriving Device for Motorcycle	Jerome D. Arenas Jeanie Matibag	
7.	IV-B	Development of Interactive Nursery Rhymes with Sign Language Application	Orland Anne Christian S. De Ocampo	Joel B. Alvarez
8.	5	Design, Fabrication, Test and Evaluation of BUCAF Multi-Defibering Machine (BMDM) Using Selected Agricultural Waste Materials	Mark Ian S. Edma Aldin E. Nierva Juli Ann C. Quicay	Estrella Calpe
9.	6	Integrated Fall Detector Device and System	Kate D. De Asis, Billy John J. Dimajiva, Chris John G. Geloryao, Kay Mark Lamasan, Emeroe Ven Basyl Neñeria	Engr. Gelvie C. Lagos
10.	7	YLANG LUMINAIRES	Celestine P. Dionisio	Jay Nathan Jore
11.	8	Utilization of Sarad (pinnidae) into Sarad Crackers	Angeline M. Alberca, et. Al	
12.	9	Jarvis-Arduino Home Automation System	Chieng P. Maghanoy Maria Loreen B. Regañon	Engr. Mark Anthony B. Enoy
13.	10	Air Quality Monitoring and Filtering Device	Christian Grant O. Bunane, Mike Francis N. Caiña, Geard E. Delfin,	Engr. Wencel Jean Carranza

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Entry No.	Region	Title of Research	Researcher/s	Adviser/s
14.	11	TAMLA: A Mobile app for crime scene fingerprint matching with latent search capability	Charles Bryan Abella Carlo C. Lagura Bernard Ranola	Randy S. Gamboa
15.	12	Electronic Mosquito (Culicidae) Repellent Bracelet	Kenny Walter C. Diolola	Engr. Mar Lou P. Galinato Bro. Manuel V. De Leon, FMS President

2018 National Invention Contest and Exhibits (NICE) Qualifiers

SIBOL (Outstanding Student Creative Research for High School) Category

Entry No.	Region	Title of Research	Researcher/s	Adviser/s
1.	NCR	Portable Sign Language Translator	Nathan Luis T. Sison Don Randolph A. Sanchez	
2.	CAR	Protective Energy Saving Light Control Device for Household	Ellen Rose Banglayan Apple Faith Lapangan Jiane Erika Narvaza Hanah Piluden	
3.	1	Design and Synthesis of Graphene/Zinc Oxide Hybrid Electrodes for Flexible High Performance Supercapacitors	Beatrice Gail Burgonio Marvin Jericho Cava Pancho Ruedas	Sharon Palomares
4.	2	Qualitative Phytochemical Analysis and Cytotoxic Effects of Red Fleshea Dragon Fruit (<i>Hylocereus polyrhizus</i>) Peel Extract	Precious Jane C. Guerreo, Nazarhia Chanteuse C. Peralta	Genelyn Alice R. Vilorio, Precila C. Baclig
5.	3	Development and Testing of Organic Water Color	Billyrie L. Rubia, Darlene Joy H. De Luna, Kimberly Jane L. Garcia, Janine D. Guiao, Angelica B. Macaspac, Christine Marie O. Masing	Louie Fe S. Villanueva
6.	IV-A	Development of Low Cost Subcutaneous Vein Detector for IV Fluid Insertion (Veinuino)	Kristianne S.J. Otiang John Michael C. Pacis John Cairu B. Ramirez	
7.	IV-B	Chiffing: Chaff Intermediate Flour in Fighting Nutritional Gap	Neil Ian V. Magalang Richa Ella Mae R. Ogbac Franklin U. Razon	Joanne A. Familara
8.	5	Arduino-Based: GSM Operated Circuit Breaker with Fire Sensor	Jobert Alpe Stephen Felix Matthew Kevin Reyes Francis Kim Tanay Iris Oresca	June Emmilyn P. Sepulveda
9.	6	Antidiabetic and Antioxidant Tea from <i>Garcinia binucao</i> (Batuan) Leaf and Fruit	Leann Patrice A. Ganzon, Anne Nicole Occeña	Ronilo V. Aponte
10.	7	GRIPAID: Grip Assistance for the Impuissant Device	James Gabriel Casia, John Burtland Allosada, Gleo Agustein Sevilla	Benito A. Baje

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SIBOL (Outstanding Student Creative Research for High School) Category

Entry No.	Region	Title of Research	Researcher/s	Adviser/s
11.	8	Posture Notification System Prototype Using Gyroscope Sensor	Marc Enriquez, et al	
12.	9	Solar Powered PWD (Proximity Warning Device for PWB (Person with Blindness))	Edgie B. Cabural Leonhel V. Fortin Jonafe A. Juntilla	Nedy P. Hangalay
13.	10	XYVO: All-natural Sore Throat Lozenges from <i>Allium schoenoprasum</i> (Sibujing) Stalk Extract	Verneece Charity F. Amlon, Kiarah S. Garma, Uriah Maxine D. Lumbo, Angela Rayne J. Torres	Honey Ritzel G. Barillo
14.	11	Pectin-carboxymethylcellulose biocapsule for potential colon targeted oral drug delivery	Felix Arthur C. Dioso Jeremae Aira M. Moderno Coleen A. Quirim	Dr. Rochelle Papisin Mr. Michael Casas
15.	12	pinDOT: Low-Cost Arduino-based Braille Printer	Xyz Phoelane Beth-Amiel C. Dagum Ysadell V. Bernardo Bea May Clarisse A. Taddoro Ericka Michelle L. Factor	Kevin Daga-as
16.	CARAGA	Synergistic Catalytic Performance of Heterogenous Solid Catalyst from Tahong (<i>Perna viridis</i>) Shells and Bamboo (<i>Bambusa vulgaris</i>) Leaf Extract in Biodiesel Conversion	Sidney Jade B. Sedoru, Bianca M. Estavas, Queen Era L. Angay	
17.	ARMM	Anti Fungal Property of Calabash Fruit Extract on Growth of Bread Spoilage Fungi	Fernando P. Rampola	Hanissa M. Francisco Baraguir