

# HEC INDIGENOUS SCHOLARSHIP 2017 MERIT FORMULA GRANT 2018

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**What is the HEC Indigenous Scholarship?** The Indigenous PhD Scholarship program aims to cultivate a pool of highly qualified individuals across diverse fields in local universities. These scholars are expected to envision to enhance the research and development potential of both public and private institutions, thereby bolstering the local industrial sector.

**Who is eligible for HEC?** Applicants should have completed 12 years or equivalent education. The age limit is 17-23 years before closing date of application. 60 % Marks for general subjects as per IBCC Pakistan equivalency formula. 35 Years maximum age limit at date of applications closing.

**What is HEC grant?** ? ??The Higher Education Commission (HEC) Pakistan award project grants under Thematic Research Grant Program, especially designed to address the contemporary issues of the country.

**What GPA is needed for HEC?** Successfully pass all your courses and maintain a GPA of at least 2.7/4.3 in your program of studies.

**How much is the HEC scholarship?**

**What are the qualifications for HEC?** Who is eligible? The HEC Programme is an intensive programme intended for students who have successfully completed the Uganda Advanced Certificate of Education (UACE) or its equivalent but who may not have attained sufficient grades to enrol for Diplomas or Degree programmes.

**How much is a HEC?**

**How do I pay for HEC? Services.** HEC has introduced online receipt of attestation fee through 1-link with effect from 5th August, 2023. Applicants will have to first pay the attestation fee online through 1-link and verify the payment in their profile.

**What is HEC used for?** HEC polymers are largely used as water-binder and thickening agent in many industry applications, that is, personal care products, pharmaceutical formulations, building materials, adhesives, etc., and as stabilizer for liquid soaps.

**What is an indigenous scholar?** We define a scholar as an expert within their own knowledge system. This includes hunters, fishers, and gatherers; those that process and store food; health aides; and others. It includes youth, elders, and adults. Your education may have come from the land, the water, or a classroom.

**What is the Netflix Indigenous scholarship?** Netflix will provide \$515,000 (USD\$400,000) to the Netflix Indigenous Scholarship Fund for a range of initiatives to elevate Indigenous creatives and voices in the Australian screen and broadcast industries and support Australia's First Nations communities and storytellers.

**What is HEC need based scholarship?** To provide opportunities to talented but financially deprived students and empower them to acquire a high quality education at a reputed Public Sector institutions /university. **ELIGIBILITY CRITERIA.** • Financial assistance & scholarships are available for study at Undergraduate level in all disciplines at HEC.

**What is the U of a indigenous scholarship?** This award assists First Nations, Métis and Inuit Students who are entering the University of Alberta and who have demonstrated financial challenges and barriers to attending university. Through the program, students will be considered for up to \$8,000 per year in award funding.

### **With God in the Crucible: Preaching Costly Discipleship**

*Paperback (2002) by Peter Storey*

This powerful book by Peter Storey explores the challenging and rewarding path of costly discipleship, guiding readers through the crucible of trials and tribulations that can strengthen their faith and draw them closer to God.

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**Question:** What is the central message of the book? **Answer:** Costly discipleship involves wholeheartedly following Jesus, embracing suffering and sacrifice as opportunities to demonstrate unwavering loyalty and love for God.

**Question:** How does Storey define suffering? **Answer:** Suffering is an unavoidable part of life in a fallen world, and it can range from physical pain to emotional anguish or spiritual struggles. However, Storey emphasizes that suffering can also be a catalyst for growth and transformation if it is embraced with a trusting heart.

**Question:** What is the significance of the crucible? **Answer:** The crucible represents the trials and challenges that believers face in their journey of faith. It is a place where their character is tested and mold, just as metal is refined and purified in a crucible. Enduring the crucible with perseverance and faith can bring about spiritual maturity and a deeper connection with God.

**Question:** How can discipleship be costly? **Answer:** Costly discipleship involves giving up worldly desires, pursuing a life of self-denial, and embracing the cross. It requires sacrificing comfort, security, and even personal ambitions for the sake of God's kingdom and the well-being of others.

**Question:** What practical advice does Storey offer for those in the crucible? **Answer:** Storey encourages readers to cling to God's promises, seek support from the Christian community, and trust that God is working in their lives even when circumstances seem difficult. He reminds believers that the crucible is not a punishment but an opportunity to experience God's presence and transforming power.

**Does anyone still make radial engines?** Rotec Aerosport has been manufacturing a range of quality aircraft products since 1999. Our hallmark products are the lightweight, dependable and affordable radial engines that comes in 7-cylinder 110 HP and 9-cylinder 150 HP configurations.

**Why aren't radial engines used anymore?** It has a massive frontal area that bring more drag The biggest drawback of the radial engine is its massive frontal area. This adds a lot of drag compared to the V-engine, which has a smaller frontal profile.

**What was the largest Pratt and Whitney radial engine?** Pratt & Whitney Aircraft's last piston engine was the 28-cylinder R-4360. It was the largest piston engine that the company ever produced.

**What is the famous radial engine?** One of the most popular and influential engines of the day was the Pratt & Whitney R-985 Wasp Junior nine-cylinder radial engine, which allowed for the development of larger and faster aircraft. This 400 hp engine, along with its 600 hp Wasp counterpart, made possible hundreds of new aircraft designs.

**What are the disadvantages of a radial engine?** Their massive frontal area creates drag and limits pilot visibility. Radial engines need significant airflow to cool the cylinders, so engine placement on the aircraft is limited. It's nearly impossible to install a multi-valve valve train - so nearly all radial engines use a two-valve system, limiting power.

**Why did the Navy prefer radial engines?** In the United States the National Advisory Committee for Aeronautics (NACA) noted in 1920 that air-cooled radials could offer an increase in power-to-weight ratio and reliability; by 1921 the U.S. Navy had announced it would only order aircraft fitted with air-cooled radials and other naval air arms followed suit.

**Why are radial engines so powerful?** Radial engines have two or more cylinders arranged around a central crankcase, or hub, which provides smoother operation. Because most radials are air-cooled, they are generally lighter and provide more power for their weight than water-cooled engines.

**What was the biggest radial engine ever built?**

**What is the largest advantage of a radial engine?** Smoother Operation – In most cases, a smooth operation is easier to get with a radial engine than other options like inline engines cooled with liquid. Smooth performance matters and the radial engine is generally a better call where performance is concerned.

**What military aircraft have Pratt and Whitney engines?** Pratt & Whitney's military engines include the F135 engine for the 5th Generation F-35 Lightning II, the F119 for the F-22 Raptor, the F100 family that powers the F-15 and F-16, the F117 for the

C-17 Globemaster III, the TF33 powering AWACS, B-52, as well as the PW4062/F139 for the KC-46A Pegasus.

**What is the strongest Pratt and Whitney engine?** Not only is the F135 the most powerful and most advanced fighter engine ever produced, it's also the most dependable – demonstrating a step change in readiness and reliability over 4th generation fighter engines.

**What was the most horsepower aircraft in WW2?** The YB-40 Flying Fortress was a long range bomber escort variant of the B-17. Its four supercharged Wright R-1820 Cyclone radial engines had a combined 4,800 Horsepower ... more shaft power than any other fighter aircraft that saw service in WW2.

**Who makes new radial engines?** A world leader, Verner Motors specializes in the design & manufacturing of low cost, lightweight & powerful radial engines for sport aircraft.

**Is there a car with a radial engine?** Throughout history, there've been tanks, boats, and even the odd car or bike fitted with a radial engine. Just like the more typical types of engines, a radial engine can either be air-cooled or water-cooled. One of the biggest ever radial engines built was the Lycoming XR-775-3.

**Has there ever been a 9 cylinder engine?** Because Le Rhone products were in some ways superior to Gnome, its design engineers were permitted to continue development during World War I, resulting in large scale production of various nine cylinder engines.

**Are radial engines still used?** Thus, radial engines became one of the most popular engines in aircraft manufacturing, until they were replaced by jet engines. Large helicopters, such as the type Sikorski S-55, also use the reliable power of radial engines. One of the few helicopters to incorporate a radial engine is the Sycamore.

**Why don't cars use radial engines?**

**How many cylinders can a radial engine have?** Inside a Radial Engine You can see in the illustration that this is a five-cylinder engine -- radial engines typically have anywhere from three to nine cylinders. The radial engine has the same sort of

pistons, valves and spark plugs that any four-stroke engine has. The big difference is in the crankshaft.

**What was the most powerful radial engine?** The Pratt & Whitney R-4360 Wasp Major is an American 28-cylinder four-row radial piston aircraft engine designed and built during World War II. At 4,362.5 cu in (71.5 L), it is the largest-displacement aviation piston engine to be mass-produced in the United States, and at 4,300 hp (3,200 kW) the most powerful.

**Who invented the Pratt and Whitney engine?** In 1925, the Pratt & Whitney Aircraft Company was founded by Frederick B. Rentschler, pioneer of the air-cooled radial engine design which enabled unprecedented power-to-weight ratio. Its first engine, the R-1340 Wasp engine, transformed military and commercial aviation and is still in use today.

**Why do Navy jets have two engines?** A twinjet or twin-engine jet is a jet aircraft powered by two engines. A twinjet is able to fly well enough to land with a single working engine, making it safer than a single-engine aircraft in the event of failure of an engine. Fuel efficiency of a twinjet is better than that of aircraft with more engines.

**Does anyone still make rotary engines?** In June 2023, the company resumed mass production of vehicles with rotary engines for the first time in approximately 11 years since the end of production of the Mazda RX-8 in 2012. Currently, the Mazda MX-30 e-SKYACTIV R-EV, the 12th model that mounts a rotary engine, has been introduced in Japan and Europe.

**Do any cars have radial engines?** The North-Lucas car was a 1922 two-door saloon shaped like a boat in an early attempt at streamlining. The other standout feature was the five-cylinder air-cooled radial engine, with a 1,460cc displacement, sitting in the rear compartment right above the wheels.

**Who makes radial aircraft engines?** A world leader, Verner Motors specializes in the design & manufacturing of low cost, lightweight & powerful radial engines for sport aircraft.

**Is it possible to put a radial engine in a car?** The Radial Motion engine is a direct bolt-in swap for Volkswagen flat-four applications. In this video we install the

compact radial engine into a VW-based trike. It is just as simple to fit into the Beetle, Kombi and other VW vehicles, as well as Porsche 356 and Porsche 912/914.

### **Trends in Packaging of Food, Beverages, and FMCG Products**

In today's rapidly evolving FMCG markets, packaging plays a crucial role in product success. The "Trends in Packaging of Food, Beverages, and Other Fast Moving Consumer Goods (FMCG) Markets: Materials and Technologies" from Woodhead Publishing Series in Food Science Technology and Nutrition provides insights into the latest developments in this field.

#### **Q: What are some key trends in food and beverage packaging?**

**A:** Sustainable packaging, with a focus on reducing environmental impact, is a major trend. This includes the use of biodegradable and recyclable materials, as well as reusable packaging. Convenience is also a priority, with packaging designed for easy handling and storage.

#### **Q: How are consumer preferences influencing packaging design?**

**A:** Consumers are increasingly demanding products that align with their sustainability and health-conscious values. As a result, packaging that highlights environmental credentials and nutritional information is becoming more common. Consumers also value convenience and personalization, leading to the rise of smaller packaging sizes and custom-printed packaging.

#### **Q: What are the latest advances in packaging materials and technologies?**

**A:** Innovations in packaging materials include bioplastics, edible films, and antimicrobial coatings to extend product shelf life. Advanced printing technologies, such as flexographic and digital printing, enable more precise and customizable designs. Automation and robotics are also being used to improve packaging efficiency and quality.

#### **Q: How are these trends expected to impact the FMCG industry?**

**A:** By embracing sustainable and consumer-centric packaging solutions, FMCG companies can enhance brand reputation, reduce waste, and drive sales. The

adoption of advanced materials and technologies will enable faster turnaround times, lower production costs, and improved product quality.

**Q: What resources are available for staying up-to-date on packaging trends?**

**A:** The "Trends in Packaging of Food, Beverages, and Other Fast Moving Consumer Goods (FMCG) Markets: Materials and Technologies" from Woodhead Publishing Series in Food Science Technology and Nutrition offers a comprehensive overview of the latest developments in packaging. This book provides valuable insights for food and beverage manufacturers, packaging suppliers, and industry professionals who want to stay competitive in a rapidly changing market.

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