

Driving the BMW 540e - Pg 4



Imagining safer cities - Pg 7 Women's Day essential reads -Pg 8





Team Bangladesh wins multiple awards at Formula Bharat 2021

Team Swapnojan from Ahsanullah University of Science and Technology (AUST), Bangladesh has achieved two awards in the "Formula Bharat 2021" formula student event in India.

Regarded as one of the most prestigious open-wheel motorsport competitions for undergraduate students all over the globe, the event has participants conceive, design, fabricate, develop and compete with Formula Style Race Cars.

Because of the pandemic, the 2021 iteration was held virtually, with Team Swapnojan taking part in the Engineering Design and Business Presentation event.

It took the team 10 months to complete the project.

For the engineering event, the team provided design approaches, designs of the car, design validations, and simulations. For which the team was awarded "Notable Mention Awards" for their "Innovative Use of Materials" by introducing 'Jute Fiber' in the bodywork for the first time in the



history of Formula Student.

For the business event, they submitted a profitable business plan for the design, in regards to the current automotive market. For this report, Swapnojan was awarded another award because of the "signature of an emerging force in the reign of Formula

Student.'

Team Swapnojan thanked the Formula Bharat organisers for providing them with the platform to showcase their aptitude and enthusiasm. Adding they look forward to showing off their car on the track next year.

EDITOR'S NOTE

The only constant is change- or is it?

This week, we themed our issue keeping in mind March 8- World Women's Day and Proof-reading day. Our cover story is about Femtech, a branch of technology that's dedicated to female healthcare. We also talk about ways on how to make this city a little bit better for women. We also talk about wavs employers can promote equity in the workspace. In our tech segment, we bring you a list of free services that's going to make your life a little bit better by proof-reading your assignments, reports and correspondences. We also have news of a recently launched cool dual screen laptop and the incredible achievement of Bangladeshi team in Formula Bharata.

Lastly, we pay our tribute to Ehsanur Raza Ronny for his relentless contribution in making the publication a success.

We will miss you, Bossman!

-Shahriar Rahman, Resident Overlord

ThiefGuard to protect smartphones from theft

A local technology-based company Softalogy Limited has launched an Android app called ThiefGuard to protect smartphones from thieves. The app will assist in identifying and regaining lost devices. The app officially launched last Thursday, according to a press release issued by the company.

The developer of the app stated that the app will help track the mobile phone if stolen or lost. It will also help by notifying the location of the device and the picture of the perpetrator. At this time, the thief will not be able to turn off the mobile phone, connect the mobile phone to a computer.

ASUS brings ZenBookDuo 14 (UX482) in local market

ASUS recently has announced the latest laptops in the premium ZenBook series the 14-inch- ZenBook Duo 14(UX482) in Bangladesh, which is a recipient of prestigious 2021 CES® Innovation Award. ZenBook Duo 14 is an Intel Evoverified laptop powered by up to an 11th gen Intel Core i7 processor with Intel Iris Xegraphics. The device comes with a 12.6-inch ScreenPad Plus and the 14-inch main display. ZenBook Duo 14 also features ASUS Intelligent Performance Technology, which works with the 11th Gen Intel processors to intelligently boost performance.ZenBook Duo 14 also incorporates the advanced thermal system that optimizes cooling performance, and also allows a 3 mm-slimmer chassis due to the



reduced need for empty internal cooling space.With integrated Intel Iris Xe graphics, ZenBook Duo 14 delivers smooth visuals for multitasking users, supercharging photo- and casual video-editing

PRICE: TK.1,30,000/-

TOGGLE

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Scope AR launches abrowser-based AR creation platform for enterprises

Facebook launches BARS, a TikTok-like app for rappers







Memo, a celebrity video platform raises \$10Min Series A

Mozilla Firefox beefs up anti-cross-site trackingmeasures





YouTube to launch parental control features with a tweens and teensfocus



Ways employers can promote equity in workplaces

REHENUMA RAYSA

Women are entering the workforce now more than ever and excelling in their respective fields. Fostering an inclusive culture in the workplace can significantly take your company's success to the next level. Numerous studies have shown that gender-inclusive workplaces elevate underrepresented voices, improves employee retention, responds to challenges more effectively while meeting or even exceeding their financial targets, as diverse workplaces allow unique opinions, perspectives, viewpoints, insights and ideas to contribute to the success of the organisation. Therefore, employers need to get the equation for gender-neutrality right to overcome institutionalised gender-discrimination in the workplaces.

Here are some approaches you can implement to stamp-out gender inequality in your workplace:

ACCESS TO OPPORTUNITIES

Gender identity should not bar individuals from having access to opportunities; be it receiving an interviewcall or being considered for promotion. The impact of the biased mindset starts at the very recruitment or talent acquisition process. Hence, employers can keep their job description gender-neutral to welcome non-male candidates who have the required certifications, skills or qualifications. They can also review the interview questions by putting together a diverse interview panel to get a holistic view of the applicants. Apart from that, assessment of merit and task allocation need to be free of prejudices that do not limit employees by the assertion of gender roles. Everyone, irrespective of gender, should have exposure to standard opportunities.

CLOSE THE GENDER PAY GAP

Another disappointing constructed barrier women have to deal with is that they are paid less than men for the same amount of work. Even today, many companies are not transparent enough and fail to achieve wage equity. Patriarchy cannot be encouraged in an organisation, and this has to be ensured. Fair pay can be ensured by conducting a payroll audit, which can help employers identify disparity among workers. Furthermore, highlighting your company's stance on this matter can be a signature move for balancing empowerment.

CREATE A SAFE WORKING ENVIRONMENT

Gender discrimination is not the only concerning factor in job sectors. The unfortunate instances do not end there.



Women are more vulnerable to sexual harassment at the workplace than men, and necessary measures are to be taken by your company to provide your workers healthy working spaces to be comfortable while working to help them focus on their work harnessing their full potentiality. A safe working environment is a basic human right. This right should not be violated. Employers need to try their best to ensure that your company effectively prevents gender-based sexual harassments or any form of sexism or misconduct in the workplace. Setting up equity bodies following proper HR practices and strict guidelines can be a step towards that. FACILITATE THE EMPOWERMENT Employers need to be proactive in eradicating this deep-rooted systemic

problem at the very foundational base to demonstrate their organisation's commitment to inclusion. There are many causes for the decline in the participation of female workers. Many are forced to leave their jobs due to inadequate parental or maternity leaves, insufficient day-care facility, unfavourable office hours etc. Dedication to work and performance comes before how long they stayed at the workplace. Employers can ensure that their needs are met at the company. Inconveniences and shortcomings hinder growth and productivity, so resolving constraints is better than excusing unequal treatment. The framework of the company needs to be structured in such a way that enables everyone to do their parts with ease for

the progression of the company.

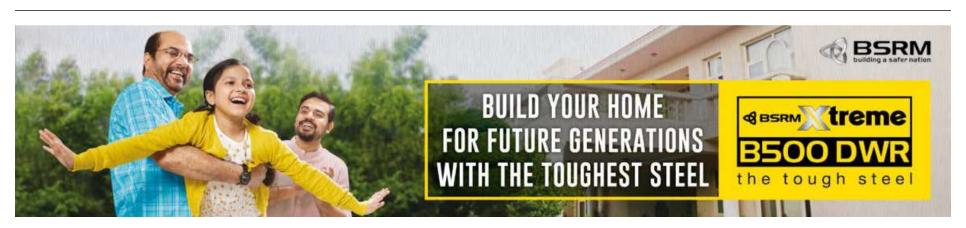
A CONTINUOUS PROCESS

Only the employers' efforts are not enough to tackle this complex issue. They can take regular feedback from your employees to evaluate where your company stands. Feedbacks are essential for the overall development of the employees, as well as the company. Men need to be active participants in this initiative to progress towards an efficient workplace so, engage them to eliminate ignorance, unintentional biases, and even subtle partialities. You can arrange mandatory company-wide gender sensitivity programs, workshops, or training sessions to discuss the employees' concerns, preferences and improve empathy to get rid of gender-stereotyping or unconscious biases. The work-culture of your company needs to embrace nondiscriminatory practices where every voice is heard, every opinion is appreciated and every individual is respected.

Gender discrimination, especially in the workplaces, has been harboured for centuries. Women workers are bringing in revenues and economic success to the country. It is high time we gave women their due credit for their contributions. The good news is, we do not have to start from scratch to do that. The constitution of Bangladesh endows good policies.

Bangladesh is already going in the right direction in terms of gender parity, with companies offering equal opportunities to both their male and female workers.

However, there is still room for improvement. Collective effort is needed to diminish sexual harassment as well as the wage gap. Bangladesh has started making strides in addressing these issues; you need to be part of that change as well.





WHAT IS IT?

A mid-sized luxury sedan aimed at carrying people quickly and comfortably, and look great while doing it. The current generation just had its Life Cycle Impulse — known to the rest of the industry as a facelift — so we took one out for a drive to see what's what.

WHAT CHANGED? Not much, and that's good. The G30 was

a rebirth of good-looking beamers, and the changes retain most of the charm. The new front grille fins are sharper and backed up with automatic shutters that open and close depending on the car's cooling needs. The front bumper received a minor redesign while the exhaust tips have been given a trapezoidal finish along with the new rear bumper. The design of both the front and rear lamps has been tweaked a bit and now spots a more minimalist design language. All in all, it's the same 5 series we fell in love



with five years ago, just slightly refreshed to keep up with time.

That said, fans of the aggressive body kits can take comfort in knowing the M Sport package is available as an option.

THE eDrive

The biggest change that came with the facelift is the powertrain. The new 5 is a hybrid, as denoted by the "e" in its name. The hybrid system can be broken down into two parts. The first is the 2.0 liter B48 TwinPower Turbo engine, making 184Hp. The other is an 80 kW/109Hp electric drive unit mounted

in the rear, where the spare tire would be. Combined, the motors deliver a total of 293 Hp and 420 nm of torque, all of it sent to the rear wheel through an 8-speed Steptronic gearbox. In addition to the enormous torque, BMW claims a combined fuel consumption figure of 1.7-1.8 liter per 100/km, making it the most economical of all the engines offered in the 5 series.

As typical with a car with two types of



motor, the car comes with two fuel doors. The petrol cap is located where you expect it to be, while the electric charging port is located on the passenger side front fender. The provided charger can fully recharge the batteries in 6 hours, though Executive Motors offers an optional high-speed charger for 4 lacs that cuts down charging time to just 2.15 hours.

THE INSIDE

Opulent, as typical of a BMW. Every surface of the car is covered in premium material, that looks and feels good to the touch. The car we got to drive had the "Luxury Line" trim and was finished in Dakota leather. The glossy finish on the wood bits has been swapped for a matte one, meaning the facelift is less of a fingerprint magnet compared to the old model. One new feature is the BMW Intelligent Personal Assistant, a voice command feature that manages various vehicle functions. Like most other voice assistants in the market, the system was not programmed with all the various accents present in the APAC region, so



Pretty much what we said before. The 5-series may look like a 7-series, but it doesn't drive like one. It's elegant, comfortable, and fast, very fast. It is the closest you can get to buying an M car in this country, short of actually importing one. For all its recent fumbling, the Bavarian company still knows how to make the ultimate driving machine, and this car is living proof of that.

pay extra attention to your pronunciation when issuing a command. The car's 8 factory speakers are perfectly fine for normal ears, though audiophiles might have to go for the optional Harmann Kardon system with up to 16 speakers.

Finally, to compensate for the lack of a spare tire. BMW has fitted all four wheels with run-flat tires, giving you plenty of time to reach a tire shop in the event of

But all these are irrelevant because you do not buy an "ultimate driving machine" for its luxury feature, you buy it for the driving experience.

THE DRIVE

Painful if you're unprepared. The 420 nm of torque will slam your unprepared neck to the headrest as you unwillingly shout out expletives, along with all the air in your lungs. The six seconds it took for the car to reach triple digits will be both the longest and shortest in vour life. As you slam the brakes, the perfectly balanced chassis will come to a graceful stop, leaving you confused about how fast you were going. Afterward, you will smile like an idiot for a solid minute then do it again. As you quickly take a sharp corner, you will discover the 530e behaves extremely well for a car of its size, as the dynamic suspension keeps the car planted to the ground. At the end of it all, you will message your pulled neck muscles and wonder what laws of physics the Germans had to break to make something this large so quick.

SPECS

ENGINE: 2.0 liter B48 TwinPower Turbo hybrid powertrain (293 combined HP, 420 Nm of torque) TRANSMISSION: Eight-speed Steptronic, RWD

SAFETY: 6 airbags, ABS, Traction Control, first aid kit, Parking Assistant Plus, rearview camera.

FEATURES: Four-zone automatic climate control,



with LED lighting, BMW i-Drive infotainment system, Power leather seats with memory and adjustment, wireless smartphone integration, multiple USB ports.

OPTIONS: BMW Intelligent Personal Assistant, M-sport package, BMW Display Key, Harmann Kardon sound system with up to 16 speakers, powered tailgate, soft close doors, 360 degree camera, multiple interior leather/wood grades and colors, multiple exterior colors.

PRICE: Starting from TK 1.18cr For details on all available options and pricing, contact Executive Motors Ltd.

PHOTOS: Ahbaar Mohammad

THE RISE OF FEMTECH

NABILA HOSSAIN

As awareness and movements over gender inequalities progress, a new female health technology market has risen more simply known as the "Femtech" market. There are enormous physiological differences between the male and female body when it comes to hormones, processing medicine, birth, and pregnancy. Historically, medicine nas seen the male body as the standard, while that of the female body as the deviant.

COVER STORY

The term "Femtech" short for female technology is used to describe the rising trend of applications, devices, products and diagnostics catering to the needs of women's health. Femtech contributes to society with new emerging technology such as tracking wearables, artificial intelligence, apps, and noninvasive hardware to bring awareness to female health. The origins of Femtech can be

traced back to the 1960s, where the women's movement focused on sexuality, family and reproductive rights. It was not until 1960 (100 vears after the first rubber condom was produced) that the U.S. Food and Drug Administration (FDA) approved the combined oral contraceptive pill Enovid, which became known as "the Pill". One roadblock to progress in Femtech was the exclusion of women from clinical trials. Less than 25 years ago, FDA policy recommended excluding women "of childbearing potential" from Phase I and early Phase II drug trials, including women who used contraception, were abstinent, or whose husbands were vasectomised.

Despite various advances, addressing women's health issues through research funding still came up short. To help address these problems, Ida Tin, coined the phrase Femtech and other Femtech innovators came forward. Women were no longer forced to wait for others to invest the time and money on research and development to act. Tin launched "Clue," a menstrual cycle-tracking application. Tin's application became a harbinger for other women's health initiatives seen today.

own body. Despite its popularity, Femtech remains a significantly has created an anonymous database underdeveloped area of health of their customer's menstrual cycles tech. A mere 4% of all healthcare for research into more innovative research and development is ways to track periods. The Femtech targeted specifically at women's industry also targets female health health. Investors are just now diseases such as endometriosis. starting to catch on, recognising Additionally, spit based fertility an opportunity to reach a vastly tests, Uber-like birth control delivery, and at home pap smears underserved market, which also happens to be half the population are on their way to the public to Femtech posted about \$592.1 make female healthcare more million in VC investment in attainable 2019. However, one of the biggest Femtech startups are shaping challenges remains that most of the investment community is still male.

Currently, female technology

startups primarily focus on a few

sectors of female healthcare

These mostly

include maternal

family planning,

menstrual cycles

and child care.

fertility, and

while other

biomedical

deal with

devices

invasive

women's healthcare in a more convenient and accessible form

Progeny combines service. Although the benefits of Femtech data, science and technology to provide are increasingly being recognised, fertility solutions to self-insured

> be critical for Femtech to reach its maximum potential.

reproductive health. However, employers. Nuelle is a sexual women's health today has to also wellness and intimate care company revolve around factors such as focused on delivering solutions for women. ObsEva is a specialty mental health, cardiac care or care for autoimmune diseases. Women biopharmaceutical company have five times more mental health developing drugs for women's issues than men, have three times reproductive medicine. Lattice more heart attacks than men and Medical is a French startup that uses are seven times as vulnerable to bioengineering to treat women who have survived breast cancer. It has autoimmune diseases as men. This is where Femtech makes its way. It begun developing bio-prosthesis refers to diagnostics, therapeutics, that enables cancer survivors to win drugs, apps and wearables that back their former bodies and lives. empower women to control their In our country, Maya is Fitbit, a sensor data technology,

dedicated to providing women with healthcare facilities, especially for reproductive and mental health. The startup is based in Bangladesh and incorporated in Singapore and is expanding into new countries. Maya uses natural language processing and machine learning technology for its digital assistant, which answers basic health-related questions and decides if users need to be routed to human experts.

Within general wellness, areas that Femtech can impact positively include pelvic and uterine health. urogenital health, menstrual health, mental health and nutrition and

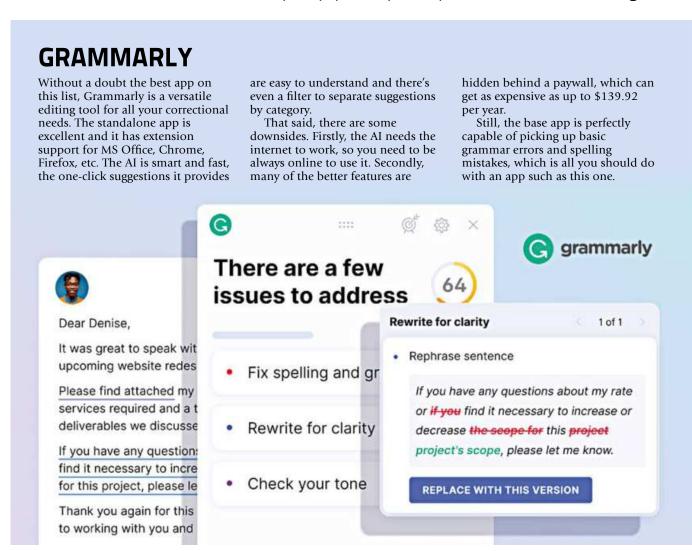






Four apps to help speed up your proofreading

Proofreading an article is tedious but important. So much so that for some of us it's a full-time job. For novice writers, the process can be time-consuming, and no matter how thorough, some basic mistakes can always slip through. We bring you four apps that will help detect those small mistakes and dramatically speed up your correction process. Keep in mind that these are not true substitutes for proper proofreading and can only help you improve your own skills at finding mistakes.





TEXT-TO-SPEECH

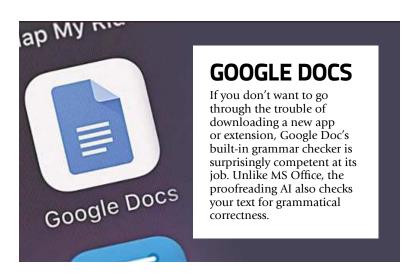
Using Text-to-speech is a rather innovative, if a bit roundabout way to fix your writing. Simply download a text-to-speech app - we recommend Ivona for PC — and have it read back the article to you. This way you will hear any spelling mistake or improper use of words instantly and administer correction. And although this process takes about as much time manually proofreading your article, this method entirely circumvents the issue of your tired eyes glancing over any mistake. Just make sure to use headphones.

HEMINGWAY APP

Unlike other options on this list, the Hemingway App can work offline. However, that is the only thing it has going for it. Designed more for bloggers than professional authors, the app does not offer one-click

fixes, gives general writing guidance but no specifics, and the offline AI is rather dumbed down compared to the other options. Overall, Hemingway is good for helping you see what needs to be fixed, but that's about it.





Additionally, if you want you're writing to look consistent, we recommend getting the Google Docs Consistency Checker add-on. Instead of focusing on spelling or grammar, the add-on checks longer documents or inconsistencies in spelling, numerals, hyphenation, abbreviations, and other elements crucial for your article to look good.

FITNESS & TRAVEL TOGGLE 7



How to build a safer city for WOOMEN

NABILA HOSSAIN

More than half of the world's population now lives in cities and urbanization is causing cities to grow at an exponential rate. The impacts of urbanization are felt by everyone, but the experiences of girls and women in cities and their use of the city and its public amenities are strongly impacted by their gender.

A huge amount of people now live in booming cities and towns with more being added to the urban population every year. Among these numbers are women who are looking for an opportunity to broaden their horizons and open their lives to economic, social and political avenues. Instead, they are faced with the constant threat of sexual violence, which is constricting and to a huge extent controlling their lives. The violation of a woman's right to live in cities because of sexual violence and harassment is one of the key crises of global urbanization.

Outside the home, violence can affect women and girls in the workplace, at schools, in streets, parks, public squares and on public transports. The responsibility of ensuring safety is often put on the women themselves, where they are advised to change their behaviour such as modifying their outfits

or at which time of the day they go out. This idea is bringing about a crippling effect on the talent and potential of women and is an attack on their rights as a human being. The repercussions also go beyond the psychological and physical toll on individuals who have experienced such said harassment. For women, the cities they live in have become threatening places where they need to remain constantly on high alert. Such daily and persistent exposure to attacks and the fear of sexual assaults infringe upon women's rights and freedoms as equal citizens to enjoy the niceties of life.

Part of the problem is that most city planning projects are headed by men without any regard for gender-sensitive city planning. Even today, women don't feel safe, welcome or comfortable in the public realm and the difference between the number of women who appear in public during the day versus their presence at night should be an apparent indicator of the health of a society and the safety and livability of a city.

While sprawling metropolises cannot be simply razed and rebuilt, measures can be taken to improve the dire situation. For this, women have to take an active part in the planning process. Women have to be kept in the inner circle for planning the new urban developments.

Safety First

A London survey called 'Making Places Safer' identified that public places with good lighting and a wide range of people contribute the most to women's sense of safety. Designers and decision-makers need to think more about how to attract a wide range of people to come and enjoy the public spaces of towns or cities.

Making every aspect of transportation safe

Transportation infrastructure can have a huge impact on women. Well-lit and well-surveilled parking lots with clear sightlines to the street and the buildings surrounding it are important, especially at night. Train stations, train platforms and bus stations that feel safe and comfortable for women are also extremely important. Women-friendly transportation infrastructure ensures that women have equal access to all parts of the city. Well-lit sidewalks are also an important consideration for a safe and comfortable built environment for women.

Design for children

Women are often the main caregivers for their children and it is important that the built environment is welcoming to children as well. This means our built environment must be built with women and children in mind. Are trains, train platforms, stations and bus stops designed for children as well as adults? If they are, then they will attract more women to use them.

Provide amenities for women

Nursing mothers often find themselves in a quandary when they are out in public and they need to nurse. Often, they have no choice but to duck in their car or go into a place where they have to purchase something like a coffee to get a little space to nurse their baby. Safe, free and comfortable spaces for women to stop and nurse their babies in the public realm must be designed into the city.

Currently, most architects, planners and policymakers are still men, and this means we are going to get a built environment designed by men for men until we change that. When we get more women at the table, naturally the perspective, the needs and the talents of women can start showing up in the built environment and lead to the creation of safer cities for women.

Top five picks on fiction for

WOMEN'S DAY

TASFIA TASNEEM

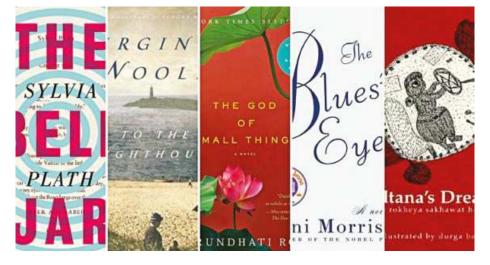
"Women and fiction remain so far as I'm concerned unresolved problems" -- words by Virginia Woolf, a woman making wonders in the world of fiction. As we embark upon this year's women's day we are bound to explore the biases and challenges of gender roles under the theme of #ChoosetoChallenge.

Here are our top picks for the day -fictions that helped in identifying and portraying the gender-based biases and the challenges women faced for centuries.

The Bell Jar- Sylvia Plath

A semi-autobiographical fiction from Sylvia Plath and considered the female counterpart of J.D Salinger's "The Catcher in the Rye" by some. As the protagonist Esther, a young intelligent writer struggles in a world of glamour, the novel puts Esther in a desirable position, any young woman her age would've craved. However, she soon realised that she felt disconnected in their presence and in understanding their world and desires. Throughout the novel, she uses an ironic tone to describe her helpless state.

Like Plath's other works, the realities of mental illness get into the context in this novel. One cannot but connect it to



Sylvia Plath's death a month after the novel got published. Was it a cry for help on her part? One can only assume as she pioneered the confessional style of storytelling. The typical societal norms for women troubled her deeply which resulted in building characters who face these as well, making it a magnificent piece of writing in a more casual manner, more fit for post-modern readers.

To The Lighthouse- Virginia Woolf

"To The Lighthouse" is centred around the Ramsay family and their desired location, the "lighthouse", symbolising a place of hope and comfort.

Different perspectives of the characters' minds pop out in the storytelling. This gives its readers the conflict between "Lily" and "Mrs Ramsay" as they shared different views regarding the role of women -- throughout the novel Mrs Ramsay tried different ways to convince her daughter,

Lily to get married. However, Lily focused on her painting that she began.

Woolf spent her entire lifetime devoting herself to feminist writing. The character of Lily resembles closely herself and through which she explored the idea of art and creation.

The Bluest Eve-Toni Morrison

Written from a young African-American girl's point of view and her desire to have "blue eyes," The Bluest Eye is a tragic and heart-breaking story dealing with racial issues, rape and abuse.

Morrison challenged the beauty standards that African-Americans had to deal with constantly and showed what the consequences of idealising white beauty can lead towards. It did shift towards more dark subject matters and showed the type of abuse and racial oppression black women faced.

Morrison wrote this novel keeping the

historic context of the Great Depression and the second wave of feminism in mind. Through this novel she was able to show the plight of black women who were being doubly oppressed by both black and white men, making this book a revolutionary in black feminist literature.

The God of Small Things- Arundhati Roy

A novel set in Ayemenem, Kerala, dealing with several issues and feminism being an important aspect of it, The God of Small Things is a novel that showcases the plight of the sub-continental woman like no other. The portrayal of "Ammu", gave us a clear picture of how a divorced woman is treated in our sub-continental society.

This is an intricately personal story on the writer's part, that goes way beyond just that and also reflects the social and political reality involving class and caste hierarchy.

Sultana's Dream- Rokeya Sakhawat Hossain

A short story written in 1905, in a time when religious morality and strict purdah was maintained in Bengal, Sultana's Dream is a jaw-dropping fiction describing a utopian society where women ruled the country and men were banished in mardanas.

In a time when women's education was considered unimportant, Begum Rokeya portrayed "Lady Land" as a place where women's education is a must. Her using the image of a woman without purdah is also ground-breaking for a time when anyone not maintaining a strict purdah was frowned upon.

This was a piece of fiction way ahead of its time, which helped it remain fresh and relevant to this day.

