Gyalpozhing College of Information Technology

Spark courses

GCIT Spark offers three courses which are Sustainability in the World of AI Technology (7-Day Course Path), Generative AI For Business (11-Day Course Path), and Generative Digital Media (11-Day Course Path).

What courses are offered in Spark?

GCIT Spark offers three courses: *Sustainability in the World of AI Technology* (a 7-day course path), *Generative AI for Business* (an 11-day course path), and *Generative Digital Media* (an 11-day course path).

Program Duration Details

The program's **duration** varies by course. Specifically, it includes a **7-Day Course Path** focused on **Sustainability in the World of AI Technology**. In addition, there are two **11-Day Course Paths** available: one for **Generative AI For Business** and another for **Generative Digital Media**. These courses are designed to equip learners with essential skills over a manageable **time period** to suit different learning needs.

Course Length and Time Commitment

Each course path within the program requires a different **length of time** for completion. The **Sustainability in AI Technology** course is structured as a **7-day program**. For those interested in **Generative AI for Business** or **Generative Digital Media**, both of these courses are **11 days long**. This range in **duration** allows participants to engage with the material fully without an extensive **time commitment**.

Duration Information on Available Courses

The current **program options** include a 7-day intensive on **AI Sustainability**, as well as **11-day courses** for both **Generative AI in Business** and **Generative Digital Media**. This **duration** setup provides flexibility, ensuring participants can gain focused expertise over a brief yet effective **period**.

Sustainability in the World of AI Technology is a 7-Day Course Path which focuses on the integration of sustainable practices and principles into the development and application of artificial intelligence technologies. It emphasizes the importance of using AI solutions to address environmental challenges while ensuring that these technologies are implemented responsibly and ethically.

Generative AI For Business is a 11-Day Course Path which covers the applications of generative AI in the business sector, equipping participants with the knowledge and skills to implement these technologies effectively.

Generative Digital Media is a 11-Day Course Path which delves into the creation and application of digital media through generative techniques, providing insights into the future of media production.

Participants of Sustainability in the World of AI Technology course will arrive in Paro, Bhutan, where they will enjoy a brief tour of the beautiful Paro Dzong before heading to the GCIT campus. On the first day. The next three days will be dedicated to workshops and projects focused on renewable energy with AI, climate change adaptation in collaboration with the Ministry of Environment and Natural Resources, and sessions with sustainability leaders. Following this, participants will engage in community service and cultural experiences, including a tour of Dochula Pass, a hike to Dochula Lungchutse emphasising waste management and yak conservation, and a hike to Buddha Point. They will also enjoy a dinner featuring cultural performances and leave a lasting impact by planting trees. The program will conclude on the final day as participants reflect on their enriching experiences while travelling back home.

Participants of Generative AI for Business event will arrive in Paro, Bhutan, where they will enjoy a brief tour of the beautiful Paro Dzong before heading to the GCIT campus on the first day. Over the next four days, participants will be engaged in workshops and projects, including real-time financial analysis with AI, and round table discussions with key organisations like Bhutan Stock Exchange, Druk Air, and the World Food Programme. The following three days will be dedicated to community service and cultural experiences, such as cultural performances, archery, a tour of Dochula Pass, the Lungchutse hike focusing on waste management and yak conservation, and visits to Takin Reserve and Buddha Point. Participants will enjoy a traditional dinner with cultural performances. In the final two days, they will explore Paro JSW Law School, gaining insights into GNH and business law, visit Bhutan's National Museum, and trek to the famous Tiger's Nest Monastery. The program will conclude on the final day as participants reflect on their enriching experiences while travelling back home.

Participants of Generative Digital Media will arrive in Paro, Bhutan, where they will enjoy a brief tour of the beautiful Paro Dzong before heading to the GCIT campus. The next four days will be dedicated to immersive workshops and projects, focusing on AI digital graphics, AI digital photography, AI audio and video, and generative design in media. Following this, the next three days will be filled with community service and cultural experiences alongside GCIT and international students, featuring performances and traditional activities like archery and khuru. Participants will tour Dochula Pass, take the Lungchutse Hike focusing on waste management and yak conservation, visit the Takin Reserve, hike to Buddha Point, and enjoy a traditional dinner with a cultural performance. In the final two days, participants will visit Paro JSW Law School for discussions on GNH (Gross National Happiness) and business law, visit the Bhutan National Museum, and trek to the famous Tiger's Nest Monastery, with a stop at Tiger's Nest Café. The event will conclude as participants depart from Paro, carrying with them valuable knowledge and memories.

You can customize the courses depending on what types of content you want to take.
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You can customize the course's content by suggesting relevant IT learning topics for your group, such as the Internet of Things, Design Thinking, Cybersecurity, and Technopreneurship.

GCIT Spark offers three courses:

Sustainability in the World of AI Technology course:

- Intro to AI and Sustainability
- Sustainable AI Algorithms
- Renewable Energy
- AI Circular Economy and
- AI Biodiversity Conservation

Content of Generative Digital Media course:

- Intro to AI and Digital Media Design
- AI Digital Graphics
- AI Digital Photography
- AI Digital Audio and
- AI Digital Video

Course content of Artificial Intelligence for Business:

- Intro to AI and Business
- Machine Learning Techniques for AI
- Real-Time Financial Analysis with AI and
- Ethics, Risks, and AI Governance

You can customize the course content by suggesting relevant IT learning topics for your group, such as the Internet of Things, Design Thinking, Cybersecurity, and Technopreneurship.

Create a **tailored learning path** with **friends or teammates** in Bhutan! By **identifying your skill gaps** and defining your **desired outcomes**, you can build a journey that matches your personal or professional goals. This path customization allows you to blend **education with Bhutan's unique cultural experiences**. Form groups for a **shared experience** and receive discounts when traveling with **DrukAir**. **Submit your proposal** today on the **custom course page**!

Planning a group learning experience? For groups of **7 or more**, a **DrukAir discount of 15%** makes it easier to explore Bhutan while learning! Visit the **Spark GCIT course path customization page** to choose courses, content, and **travel days** for your learning journey. A group trip enhances learning and makes memories in Bhutan.

Choose the **duration** and **specific content** of your **custom course path** to match your objectives. Whether you want an **intensive course** or a **longer immersive experience** in Bhutan, you have full control. Form a group, select from a variety of **learning themes**, and enjoy the added benefit of a **DrukAir airfare discount**!

Submit your **custom course proposal** on the Spark GCIT website! Specify the **number of days**, **course topics**, and **learning modules** that suit your interests. **Customize** everything from **course structure** to **cultural activities** to create a unique learning journey. Groups of 7 or more can also enjoy a 15% **travel discount with DrukAir**.

Looking to **bridge skill gaps** or develop a specific expertise? Our **customized learning paths** let you and your **team** pick the course modules, activities, and number of days to match your **professional and personal growth goals**. **Fill out the proposal form online** and make Bhutan a memorable part of your learning!

Experience Bhutan with a group while enhancing your knowledge! Our **group course packages** are customizable for teams of 7 or more, offering a **DrukAir flight discount**. **Design your learning journey** by selecting **course subjects**, **training modules**, and even the **duration of your stay**. It's a flexible way to learn, explore, and connect.

Combine **team-building** with **professional skill development** in Bhutan. Our custom learning paths help groups strengthen their **bond** while gaining new knowledge. Choose the **course content**, decide on the **number of days**, and benefit from the **15% DrukAir group discount**. Start by filling out the **course path customization form** today!"

What GCIT Stands For:
GCIT stands for Gyalpozhing College of Information Technology.

What is GCIT:
Gyalpozhing College of Information Technology (GCIT), affiliated with the Royal University of Bhutan, was inaugurated in 2017 and offers a modern approach to information technology education. We are a leading institution that emphasizes practical and applied-based learning nurturing ICT talents with Computer Science, Interactive Design and Development capabilities.

GCIT's Mission Statement:
The mission of GCIT is to empower the next generation of tech learners by providing cutting-edge skills and knowledge in modern software technology and interactive design. We aim to equip our students with the expertise, practical skills, and values necessary to become contributors and leaders in the technology and design industry.

GCIT's Vision Statement:
The vision of GCIT is to be a leading institution in software technology and interactive design, producing future-ready graduates who are committed to academic excellence, innovation, and social responsibility.

Clubs:

GCIT offers a variety of clubs, including GTech, Integrity, Literary & Interactive Art, Media Marketing & Design, Rovers, Startup Agency, and Tarayana.

Staff and Student Count:
The college comprises 489 people, including over 400 students and 89 staff members, with 41 in academic roles and 48 in non-academic roles.

Visit GCIT Website:
You can visit the GCIT official website by clicking the link below: https://www.gcit.edu.bt/

Campus Life:
Campus life at GCIT is vibrant, with a strong focus on both academic excellence and holistic development. Students can participate in a variety of tech-focused groups and events, including hackathons, coding competitions, and workshops on emerging technologies, which not only enhance their technical skills but also foster teamwork and problem-solving abilities. Outdoor activities are also an important aspect of the student experience, taking advantage of Bhutan's beautiful natural environment. Hiking, trekking, and sports like football and basketball are popular, allowing students to explore the breathtaking surroundings and engage with the community's commitment to environmental stewardship.

Background of the GCIT SPARK Program:
The GCIT SPARK International Students Program focuses on providing a unique and transformative learning experience for its international students. It aims to immerse students in Bhutanese culture, involve them in community-driven projects, and offer practical knowledge through short, intensive courses. The SPARK programs include, but are not limited to, "Sustainability in the World of AI," "AI for Business," and "Generative Digital Media." Additionally, SPARK offers flexibility through course customization, allowing students to suggest their areas of interest within the branches of information technology.

Inspiration Behind the GCIT SPARK Program:
The GCIT SPARK Program international student program is inspired by Bhutan's philosophy of Gross National Happiness, which prioritizes holistic development and well-being over mere economic growth. This philosophy shapes the program's approach, integrating education with cultural immersion and community service to create a comprehensive learning environment. It also draws from a vision of global interconnectedness, where learning extends beyond the

classroom to span cultures and communities, fostering connections between diverse groups of people.

Mission of the GCIT SPARK Programme:
The mission of the GCIT SPARK International Students Program is to provide a world-class educational experience that combines academic learning with community engagement and cultural exchange. The program aims to develop knowledgeable, skilled, and culturally sensitive individuals who are prepared to make positive contributions to both their local and global communities.

Vision of the GCIT SPARK Programme:
The vision of the GCIT SPARK Programme is to establish itself as a leading international study destination, offering a unique blend of education, community service, and cultural experiences. It aims to be recognized for its commitment to sustainable development through innovative and experiential learning practices. The program envisions fostering a vibrant community of learners who are not only experts in their fields but also advocates for cultural understanding and social responsibility.

Faculty:
GCIT's faculty includes a diverse mix of local and international experts, enriching the educational experience with a combination of global perspectives and local insights. This team is committed to creating a learning environment that emphasizes industry-relevant skills and adheres to global standards.

Visit GCIT SPARK Website:
You can explore the GCIT SPARK official website by clicking the link below:
https://www.sparkgcit.com/

For latest news and updates, please visit and follow us in the following channels:
Instagram page of GCIT spark program is : @gcitspark
Facebook page of GCIT spark program is : GCIT SPARK

Stay connected and follow us on our social media channels for the latest news and updates:

- **Instagram**: Follow our Instagram page @gcitspark for regular updates and insights.
- **Facebook**: Like our Facebook page GCIT SPARK to engage with our community and stay informed.

Join us on these platforms to be part of the GCIT Spark Program!

Category: Brand Value

Topic: Mission and Cultural Immersion

The Spark International Student Programme aims to blend technological education with rich cultural immersion, offering students a unique opportunity to grow both academically and personally. By embracing Bhutanese culture, students gain a deeper understanding of how technology and tradition can harmonize, fostering a more holistic development.

Category: Brand Value

Topic: Commitment to Excellence

Spark is dedicated to academic excellence, ensuring that students receive a world-class education in cutting-edge technologies like AI, data science, and software development. Our faculty is highly experienced, and the curriculum is designed to inspire creativity and critical thinking, preparing students for leadership roles in tech industries.

Category: Brand Value

Topic: Global Perspective

With a diverse international student body, Spark promotes a global perspective in learning. Students are encouraged to collaborate across cultures, enhancing their ability to work in diverse environments and prepare for global challenges in the technology sector.

Category: Student Experience

Topic: Cultural Immersion

The Spark Programme offers an enriching cultural immersion experience. Students have the chance to live in Bhutanese communities, participate in local festivals, and understand how Bhutan's rich cultural heritage influences technological adoption. These experiences broaden students' perspectives and contribute to a holistic learning environment.

Category: Student Experience

Topic: Extracurricular Activities

Beyond the classroom, students can participate in a wide range of extracurricular activities such as tech clubs, hackathons, and community service programs. These activities foster leadership, teamwork, and innovation, giving students the chance to apply their skills in real-world scenarios.

Category: Administrative Processes

Topic: Visa and Immigration

Spark provides comprehensive support for international students during the visa and immigration process. Dedicated advisors help students navigate the application, ensure proper documentation, and answer any questions about visa extensions and renewals.

Category: Future Readiness

Topic: Career Services

The Career Services team at Spark offers comprehensive support, from resume building and interview preparation to connecting students with potential employers. Regular career fairs, tech talks, and networking events keep students informed of industry trends and help them secure roles in top tech firms.

Brand Story:

SPARK is not just a name, it's an emotion, a milestone, and a journey of transformation. We kindle a desire for the future at the nexus of innovation and heritage-located in the magnificent Himalayan nation, Bhutan.

Brand Personality:

SPARK IS

Friendly, professional, transformative, and innovative. It is also a good blend of modernity and tradition.

The vibrant colors of SPARK—Bright Pink, Energetic Orange, Noble Blue, and Calming Beige—embody the program's core values. Bright Pink represents sophistication, sincerity, and flexibility, while Energetic Orange symbolizes success, sociability, and excitement. Noble Blue conveys integrity and professionalism, with a conservative touch that underscores these values. Calming Beige represents compassion, friendliness, and inspiration, bringing a sense of peace to the dynamic and inspiring environment that SPARK fosters.

SPARK believes in using its brand values as a moral compass, shaping the brand's personality and guiding its actions. The core values of Sincerity, Competence, Excitement, and Compassion reflect the program's commitment to authenticity, excellence, and a vibrant, supportive community. These values drive every aspect of SPARK, fostering a culture of trust, capability, and enthusiasm, while promoting care and understanding within its student body.

We have a welcome gift for every student which is gho and kira, a national dress of Bhutan, for men and women respectively. Gho is a knee-length robe, while kira is a long rectangular cloth wrapped around the body. Both are worn with a belt and are a symbol of Bhutan's unique identity.

There are eight steps in the Spark program enrollment process, which are Initial inquiry and Information Gathering, Application Submission, Application Review and Interview, Admission and Payment, Visa Processing, Pre-Arrival Preparation, Arrival and Onboarding, and finally, Beginning Classes.

Initial Inquiry and Information Gathering involves registering through our web form. You can enroll through our web form at www.example.com. You will receive an information packet via email containing details about the program, fees, living in Bhutan, visa requirements, and the application form link.

Application Submission happens when you're ready to fill out the online application form. You can access the form using the link provided in the information packet sent to your email after your initial inquiry, or by visiting www.example.com/application-form.

Application Review and Interview is a selective process with limited slots. If shortlisted, you will receive an email invitation for a virtual interview (via [platform, e.g., Zoom], lasting around [30-45 minutes]). Please reply within two days with your availability for the next two weeks. Once a time is agreed upon, you'll receive confirmation with interview details and a meeting link. Ensure you have a stable internet connection and quiet space for the interview. This is an opportunity to discuss your goals and better understand the SPARK program.

Admission and Payment occurs after being accepted. You will receive an acceptance package that includes an admission letter, enrollment agreement, program schedule, and the next steps to finalize your enrollment.

Visa Processing begins once your enrollment and payment are confirmed. You will be required to submit the necessary documents for visa processing, and we will guide you throughout the process. You can complete the visa application by visiting www.example.com/visa-application-form. Make sure to submit all required documents promptly to avoid delays.

Pre-Arrival Preparation takes place before you arrive in Bhutan. You will receive a confirmation email with a copy of your visa and further instructions to help you prepare.

Arrival and Onboarding ensures that when you arrive at Paro airport, we will welcome you and arrange your transfer to our campus, where you'll be introduced to the SPARK community.

Beginning Classes happen once you have settled into your accommodation. The next day, classes and activities will start, officially launching your SPARK journey.