

广西师范大学“智能机器人”2025年中国政府奖学金国际暑期学校项目国际夏令营招生简章

Admission Guide of 2025 Chinese Government Scholarship International Summer School Program on Intelligent Robots, Guangxi Normal University

一、学校简介 Introduction To Guangxi Normal University

广西师范大学自1988年创办电子专业，历经30余年发展，2009年成立电子工程学院，并于2022年7月更名为电子与信息工程学院/集成电路学院。办学底蕴深厚，学院电子信息工程、通信工程为区级一流本科专业。硕士授权点有电子科学与技术 and 电子信息专业，其中电子科学与技术为一级学科。学院师资力量雄厚，依托多个省级学科平台及先进实验室，以“电子信息技术+集成电路”为特色，致力于培养创新型工程人才，已成为广西工科教育的重要基地。

Guangxi Normal University electronics program has founded in 1988, developed over three decades to establish the School of Electronic Engineering in 2009, which was renamed as the School of Electronics and Information Engineering/School of Integrated Circuits in July 2022. With profound educational heritage, the school boasts two regional-level first-class undergraduate programs: Electronic Information Engineering and Communication Engineering. At the postgraduate level, it offers master's programs in Electronic Science and Technology (a first-level discipline) and Electronic Information. Supported by a strong faculty team and multiple provincial-level research platforms with advanced laboratories, the school specializes in "electronic information technology and integrated circuits," committed to cultivating innovative engineering talents. It has become a key base for engineering education in Guangxi.

二、开营时间 Opening Time

2025年7月14日-7月27日

July 14th to July 27th, 2025

三、项目特色 Program Features

本项目构建“理论-实践-开发-竞赛”的完整技术学习闭环，通过融合电子工程、自动控制与计算机视觉等多领域技术，重点培养学员解决复杂工程问题的能力。将甲天下山水景观与科技教育结合，在象鼻山景区举办结营仪式，凸显“科技+人文”双线叙事。学员将完成具备环境感知与自主导航功能的智能机器人开发，通过竞赛评选优秀作品并颁发认证证书，为全球青年科技人才搭建起技术切磋与人文互鉴的高端平台。

This program establishes a complete "theory-practice-development-competition" technical learning cycle, integrating multidisciplinary technologies including electronic engineering, automatic control and computer vision to enhance students' ability to solve complex engineering challenges. By combining Guilin's world-renowned landscape with STEM education, the program features a distinctive graduation ceremony at Elephant Trunk Hill Scenic Area, highlighting the dual narrative of "technology + humanities". Participants will develop intelligent robots with environmental perception and autonomous navigation capabilities, with outstanding projects recognized through competitions and awarded certification. The program creates a premium platform for global young talents to exchange technical expertise and cultural perspectives.

四、日程安排 Time Table

日期 Date	时间 Time	活动 Activity	备注 Remarks
7月14日星期一 Monday, July 14	上午 Morning	飞机入境桂林 Airport Pick-up (Guilin Liangjiang International Airport)	
	下午 Afternoon	入住广西师范大学国教中心酒店 Check-in at the International Education Center Hotel of Guangxi Normal University	
7月15日星期二 Tuesday, July 15	上午 Morning	开营仪式，机器人表演 Opening ceremony, robot performance	
	下午 Afternoon	破冰活动（桂海晴岚），文化沙龙 Ice-breaking activities (Guihai Qinglan), cultural salon	
7月16日星期三 Wednesday, July 16	上午 Morning	专题报告：智能机器人技术 Special lecture: Intelligent Robot Technology	
	下午 Afternoon	参观机器人实验室和实践基地（育才校区） Visit to the Robotics Laboratory and Practice Base (Yucai Campus)	
7月17日星期四 Thursday, July 17	上午 Morning	项目启动会 讲解智能机器人国际夏令营的主要培训内容、培训方式、参赛要点等内容。 Project kick-off meeting: Explanation of the main training content, methods, and competition key points	
	下午 Afternoon	广西师范大学文化之旅（一），参观广西师范大学王城校区 Cultural tour of Guangxi Normal University (I), visit to the Wangcheng Campus	
7月18日星期五 Friday, July 18	上午 Morning	培训：熟悉和使用ROS2.0机器人平台和系统开发环境 Training: Familiarization with the ROS2.0 robot platform and system development environment	
	下午 Afternoon	游玩：游览象鼻山、徒步游览两江四湖景区 Citywalk: Sightseeing at Elephant Trunk Hill, hiking tour of the Two Rivers and Four Lakes scenic area	
7月19日星期六 Saturday, July 19	上午 Morning	培训：熟悉和使用ROS2.0机器人平台和系统开发环境 Training: Familiarization with the ROS2.0 robot platform and system development environment	
	下午 Afternoon	广西师范大学文化之旅（二），参观广西师范大学雁山校区、生物多样性博物馆 Cultural tour of Guangxi Normal University (II), visit to the Yanshan Campus and Biodiversity Museum	
7月20日星期天 Sunday, July 20	上午 Morning	培训：运用ROS2.0机器人平台的激光雷达完成SLAM建图 Training: Using the LiDAR on ROS2.0 for SLAM mapping	
	下午	参观合作企业（一），桂林高新园区	

	Afternoon	Visiting partner enterprise (I), Guilin High-tech Zone	
7月21日星期一 Monday, July 21	上午 Morning	培训: 使用脚本指令方式, 结合激光雷达、IMU等定位信息坐标点巡航 Training: Using the script commands for coordinate-based navigation with LIDAR and IMU	
	下午 Afternoon	参观合作企业 (二), 桂林高新园区 Visiting partner enterprise (II), Guilin High-tech Zone	
7月22日星期二 Tuesday, July 22	上午 Morning	阳朔山水环保考察 (桂林-阳朔) Visiting: Yangshuo Landscape Environmental Protection (Guilin to Yangshuo)	
	下午 Afternoon	返回桂林: 阳朔-桂林 Return to Guilin: Yangshuo to Guilin	
7月23日星期三 Wednesday, July 23	上午 Morning	培训: 运用深度相机, 完成对数字二维码识别, 并播报其识别结果和对应定点位置信息 Training: QR code recognition and positioning with depth camera	
	下午 Afternoon	智能机器人技术培训实践 Intelligent Robotics Technology Training Practice	
7月24日星期四 Thursday, July 24	上午 Morning	初赛: 基于ROS2.0移动机器人完成定点识别的自主巡航项目 Preliminary round: Autonomous navigation based on ROS2.0 for fixed-point recognition	
	下午 Afternoon	初赛: 基于ROS2.0移动机器人完成定点识别的自主巡航项目 Preliminary round: Autonomous navigation based on ROS2.0 for fixed-point recognition	
7月25日星期五 Friday, July 25	上午 Morning	初赛: 基于ROS2.0移动机器人完成定点识别的自主巡航项目 Preliminary round: Autonomous navigation based on ROS2.0 for fixed-point recognition	
	下午 Afternoon	初赛: 基于ROS2.0移动机器人完成定点识别的自主巡航项目 Preliminary round: Autonomous navigation based on ROS2.0 for fixed-point recognition	
7月26日星期六 Saturday, July 26	上午 Morning	决赛: 基于ROS2.0移动机器人完成定点识别的自主巡航项目 Final round: Autonomous navigation based on ROS2.0 for fixed-point recognition	
	下午 Afternoon	决赛颁奖暨结营仪式 Final Awards & Closing Ceremony	
7月27日星期日 Sunday, July 27	全天 All day	送机 (桂林两江机场) Airport Transfer (Guilin Liangjiang International Airport)	

五、报名要求 Application Requirements

1. 学生来自印尼、马来西亚、越南、泰国等。

The participating students come from Indonesia, Malaysia, Vietnam, Thailand and

other countries.

在读本科生、研究生，或者已经毕业的本科生、研究生。

Open to current undergraduate/graduate students or graduates.

六、经费安排 Funding

学生承担国际旅费（抵达桂林）。广西师范大学承担在桂林期间的食宿费（统一安排）、学费、保险费。

The students are responsible for their international travel expenses (to Guilin). Guangxi Normal University will cover the costs of accommodation and meals in Guilin (uniformly arranged), as well as tuition and insurance fees.

七、报名 Application

填写报名表。2025 年 6 月 20 日前发送至邮箱 admissn@gxnu.edu.cn。

Fill out the registration form. Send to email before June 20, 2025 admissn@gxnu.edu.cn