

MANGALORE UNIVERSITY DEPARTMENT OF COMPUTER SCIENCE Printable PDF

Introduction to Mangalore University Department of Computer Science

Mangalore University Department of Computer Science stands as a prominent academic institution dedicated to fostering excellence in computer science education, research, and innovation. Located in the picturesque city of Mangalore, Karnataka, this department has established itself as a center for technological advancement and scholarly pursuit since its inception. With a commitment to nurturing skilled professionals equipped to meet the demands of the rapidly evolving tech industry, the department offers a comprehensive range of undergraduate, postgraduate, and doctoral programs.

This article provides an in-depth overview of the department's academic offerings, faculty expertise, research initiatives, facilities, and career prospects, making it an essential guide for prospective students, educators, and industry stakeholders interested in the realm of computer science at Mangalore University.

History and Evolution of the Department

The Department of Computer Science at Mangalore University was established in response to the increasing need for specialized education in computer technology. Over the years, it has evolved from a basic computer application course to a full-fledged department offering advanced programs and engaging in cutting-edge research.

Key milestones include:

- Launch of undergraduate programs in Computer Science
- Introduction of postgraduate specializations such as M.Tech in Computer Science and Data Science
- Establishment of research centers focusing on artificial intelligence, cybersecurity, and software engineering
- Collaboration with industry partners to facilitate internships and live projects

The department's growth reflects its dedication to keeping pace with technological developments and industry trends, ensuring students are well-prepared for future careers.

Academic Programs Offered

The Department of Computer Science at Mangalore University provides a diverse spectrum of academic programs designed to cater to different levels of expertise and career aspirations.

Undergraduate Programs

- B.Sc. in Computer Science: A three-year program emphasizing foundational concepts such as programming, database management, and computer networks.
- B.Tech in Computer Science and Engineering: A four-year engineering degree focusing on hardware-software integration, algorithms, and system design.
- BCA (Bachelor of Computer Applications): A three-year course aimed at practical applications of computer science in business and industry.

Postgraduate Programs

- M.Sc. in Computer Science: A two-year master's program focusing on advanced topics like machine learning, cloud computing, and software development.
- M.Tech in Computer Science: Specializations include:
 - Artificial Intelligence
 - Data Science
 - Cybersecurity
 - Software Engineering
- MBA in Information Technology Management: Combining management principles with IT strategies for leadership roles.

Doctoral Programs and Research Opportunities

- Ph.D. in Computer Science, encouraging original research in emerging fields
- Research centers and labs support doctoral candidates with state-of-the-art infrastructure

Faculty and Academic Excellence

The department boasts a team of highly qualified faculty members with rich academic backgrounds and industry experience. Many faculty members hold Ph.D. degrees from reputed institutions and have published research in international journals and conferences.

Highlights include:

- Faculty members actively involved in research and consultancy projects
- Regular guest lectures and workshops by industry experts
- Mentorship programs for students to foster academic and professional growth

The department emphasizes a student-centric approach, encouraging collaboration, innovation, and critical thinking.

Research and Innovation

Research is a core pillar of the Mangalore University Department of Computer Science, with ongoing projects spanning various domains:

- **Artificial Intelligence and Machine Learning:** Developing intelligent systems for healthcare, finance, and automation.
- **Cybersecurity:** Creating robust security protocols and intrusion detection systems.
- **Data Science and Big Data:** Analyzing large datasets to uncover insights for business intelligence.
- **Software Engineering:** Designing scalable and efficient software solutions.
- **Internet of Things (IoT):** Building connected device ecosystems for smart environments.

The department encourages student participation in research through internships, paper presentations, and industry collaborations. It also hosts annual conferences, seminars, and workshops to promote knowledge sharing.

Facilities and Infrastructure

To support academic and research pursuits, the department is equipped with modern facilities:

- **Advanced Computer Labs:** High-performance computers with the latest software and hardware configurations.
- **Research Centers:** Specialized laboratories for AI, cybersecurity, and data science.
- **Library and Digital Resources:** Extensive collection of textbooks, journals, e-books, and online databases.
- **Wi-Fi Enabled Campus:** Seamless internet connectivity across all departments and common areas.
- **Conference Rooms and Innovation Hubs:** Spaces for seminars, hackathons, and collaborative projects.

These facilities foster an environment conducive to hands-on learning, experimentation, and

innovation.

Industry Collaboration and Career Opportunities

The department maintains strong ties with industry leaders, startups, and research organizations to facilitate practical exposure and employment prospects for students.

Partnership Initiatives include:

- Internship programs with leading IT firms
- Industry-sponsored capstone projects
- Guest lectures by industry professionals
- Placement drives and career counseling sessions

Career paths for graduates include:

- Software Developer/Engineer
- Data Scientist
- Cybersecurity Analyst
- Cloud Solutions Architect
- Research Scientist
- IT Consultant
- Entrepreneurship in Tech Startups

The department's dedicated placement cell provides support in resume building, interview preparation, and job search strategies, ensuring students are industry-ready upon graduation.

Why Choose Mangalore University Department of Computer Science?

Choosing the right institution for computer science education is pivotal for a successful career. The Mangalore University Department of Computer Science offers several compelling advantages:

- Reputation and Academic Excellence: Established history of quality education and research.
- Experienced Faculty: Experts with diverse industry and academic backgrounds.
- Research Opportunities: Active projects in emerging technologies.
- State-of-the-Art Infrastructure: Modern labs and digital resources.
- Industry Connections: Strong industry collaborations for internships and placements.
- Holistic Development: Focus on technical skills, soft skills, and ethical practices.

Conclusion

The **Mangalore University Department of Computer Science** exemplifies a commitment to academic excellence, research innovation, and industry readiness. Its comprehensive academic offerings, experienced faculty, cutting-edge facilities, and industry linkages make it an ideal destination for aspiring computer scientists. Whether you aim to develop software solutions, explore artificial intelligence, or lead IT innovations, this department provides the foundation and support to turn your aspirations into reality.

Prospective students seeking a vibrant academic environment with opportunities for research and professional growth are encouraged to consider Mangalore University's Department of Computer Science as their preferred choice for higher education in technology.

Mangalore University Department of Computer Science: A Comprehensive Review

The Mangalore University Department of Computer Science stands as a significant center for higher education and research in the field of computer science in the southern Indian region. Established with the vision to foster technological innovation, academic excellence, and research-driven learning, the department has evolved over the decades into a vibrant hub for aspiring computer scientists, software engineers, and IT professionals. Its strategic location in Mangalore, Karnataka, coupled with a robust curriculum, experienced faculty, and state-of-the-art infrastructure, positions it as a noteworthy institution in the landscape of Indian higher education.

Historical Background and Evolution

Founding and Early Years

The Department of Computer Science at Mangalore University was founded in the early 2000s, aligning with the global surge in information technology and the growing need for specialized computer science education in India. Initially conceived as a postgraduate department, it aimed to address the rising demand for skilled IT professionals in both academia and industry.

Growth and Development

Over the years, the department expanded its academic offerings to include undergraduate, postgraduate, and doctoral programs. The inclusion of research initiatives and collaborations with industry partners further propelled its growth. The department's evolution mirrors the rapid technological advancements and the increasing importance of computer science in contemporary society.

Academic Programs and Curriculum

Undergraduate Courses

The undergraduate program (B.Sc. in Computer Science) aims to provide students with foundational knowledge in programming, algorithms, data structures, computer organization, and software engineering. The curriculum emphasizes both theoretical understanding and practical skills, preparing students for entry-level positions in software development, system analysis, and allied fields.

Key features include:

- Core courses in programming languages such as C, C++, Java, and Python.
- Electives in emerging areas like Artificial Intelligence, Data Analytics, and Cybersecurity.
- Practical labs and project work to foster hands-on experience.

Postgraduate Programs

The MSc in Computer Science offers advanced coursework in areas such as:

- Advanced Algorithms
- Machine Learning
- Cloud Computing
- Network Security
- Data Mining and Big Data Analytics

The program is designed to deepen theoretical insights and promote research aptitude among students.

Doctoral Research

The department encourages research through Ph.D. programs, focusing on cutting-edge topics such as:

- Artificial Intelligence and Machine Learning
- Data Science
- Cybersecurity Challenges
- Software Engineering
- Distributed Computing

Research projects often involve collaboration with industry and academia, fostering innovation and practical solutions.

Faculty and Research Environment

Faculty Expertise and Qualifications

The department boasts a team of highly qualified faculty members, many with doctoral degrees from reputed institutions across India and abroad. Their expertise spans a broad spectrum of computer science disciplines, enabling a comprehensive academic environment.

Highlights include:

- Professors with extensive research publications.
- Industry-experienced faculty members.
- Active participation in national and international conferences.

Research Initiatives and Publications

Research is a core pillar of the department, with faculty and students contributing to scholarly journals, conferences, and patents. Some notable areas of research include:

- Artificial Intelligence and Robotics
- Cybersecurity and Data Privacy
- Cloud and Edge Computing
- Software Testing and Quality Assurance

The department encourages interdisciplinary research and partnerships with industry leaders like Infosys, Wipro, and local IT firms.

Infrastructure and Technological Resources

Laboratories and Computing Facilities

The department is equipped with modern computer labs featuring high-performance servers, workstations, and networking infrastructure. These labs support practical sessions, research, and project development.

Features include:

- Dedicated AI and Data Science labs.
- Cybersecurity and Network Simulation labs.
- Cloud computing platforms for experimentation.
- Access to software licenses and development tools.

Libraries and Digital Resources

A well-stocked library with a vast collection of books, journals, and digital resources supplements academic activities. The department also provides access to online research databases such as IEEE Xplore, ACM Digital Library, and SpringerLink.

Industry Collaboration and Placements

Industry Partnerships

Mangalore University's Department of Computer Science maintains active collaborations with the IT industry, research organizations, and government agencies. These partnerships facilitate:

- Guest lectures by industry experts.
- Internships and industrial training programs.
- Collaborative research projects.

Placement Records and Career Development

The department's placement cell actively works to connect students with reputed companies. Some notable recruiters include TCS, Infosys, Wipro, IBM, and local startups.

Placement highlights include:

- Over 80% placement rate annually.
- Opportunities for internships, pre-placement offers, and campus interviews.
- Regular workshops on soft skills, resume building, and interview preparation.

Achievements and Recognitions

Academic Excellence

The department has been recognized for its academic rigor, with several students securing top ranks in university examinations and national level competitions.

Research Contributions

Faculty and students have published extensively, with some research papers winning awards at conferences. The department's research projects have attracted funding from agencies like DST and UGC.

Alumni Success Stories

Graduates of the department have excelled in various domains, including academia, industry, and entrepreneurship. Notable alumni hold key positions in reputed tech firms, research labs, and start-ups.

Future Directions and Challenges

Adapting to Emerging Technologies

To remain relevant, the department aims to incorporate emerging fields such as Quantum Computing, Blockchain, and Internet of Things (IoT) into its curriculum. This requires continuous curriculum updates and faculty training.

Enhancing Research and Industry Engagement

Strengthening industry-academia collaborations to facilitate more internships, joint research projects, and entrepreneurship initiatives is a priority.

Addressing Resource Constraints

Like many institutions, the department faces challenges related to funding, infrastructure upgrades, and faculty recruitment. Overcoming these hurdles is vital for sustained growth.

Conclusion

The Mangalore University Department of Computer Science has established itself as a reputable institution committed to academic excellence, innovative research, and industry readiness. Its comprehensive academic programs, experienced faculty, and strategic collaborations create a conducive environment for nurturing future-ready computer scientists. While challenges persist, the department's proactive approach towards curriculum modernization and research expansion positions it well for future growth. As technology continues to evolve rapidly, the department's role in shaping skilled professionals and advancing knowledge in computer science remains crucial, making it a significant contributor to India's burgeoning IT sector.

In essence, Mangalore University's Department of Computer Science exemplifies a balanced blend of tradition and innovation, fostering an environment where theoretical learning meets practical application, and research drives societal impact. Its ongoing efforts to adapt to the dynamic tech landscape ensure that it remains a pivotal player in higher education within the region and beyond.

Question What programs are offered by the Mangalore University Department of Computer Science? The Department of Computer Science at Mangalore University offers undergraduate, postgraduate, and doctoral programs, including B.Sc. in Computer Science, M.Sc. in Computer Science, and Ph.D. research opportunities. **How can students apply for admission to the Mangalore University Department of Computer Science?** Admissions are typically based on merit through university entrance exams or qualifying examinations. Prospective students should check the official Mangalore University website for application deadlines and detailed admission procedures. **What research areas are focused on by the Mangalore University Department of Computer Science?** The department specializes in various research areas including artificial intelligence, machine learning, data science, software engineering, network security, and cloud computing. **Are there any collaborations or industry partnerships associated with the Mangalore University Department of Computer Science?** Yes, the department collaborates with local tech companies and research institutions to provide students with internship opportunities, industry exposure, and joint research projects. **What facilities and resources are available for computer science students at Mangalore University?** Students have access to modern computer labs, high-speed internet, research libraries, and software tools to support their academic and research activities. **Does the Mangalore University Department of Computer Science offer placement assistance?** Yes, the department has a dedicated placement cell that organizes campus placements, training programs, and industry interactions to help students secure employment after graduation. **How can prospective students get more information about the Mangalore University Department of Computer Science?** Interested individuals can visit the official Mangalore University website or contact the department directly through email or phone for detailed information about programs, admissions, and research opportunities.

Related keywords: Mangalore University Computer Science, Mangalore University CS Department, Mangalore University Computer Science Programs, Mangalore University CS Courses, Mangalore University Computer Science Research, Mangalore University CS Faculty, Mangalore University Computer Science Admission, Mangalore University CS Syllabus, Mangalore University Computer Science MSc, Mangalore University CS Department Contacts

Kisii University 2013 Graduation

kisii university 2013 graduation marked a significant milestone in the academic journey of

numerous students who had dedicated years of hard work and perseverance to achieve their dreams. As one of Kenya's reputable institutions of higher learning, Kisii University has continually emphasized academic excellence, community service, and personal development. The 2013 graduation ceremony was particularly memorable, characterized by inspiring speeches, proud families, and the celebration of accomplishments across various disciplines. This article provides a comprehensive overview of the Kisii University 2013 graduation, exploring its significance, the ceremony details, notable graduates, and the impact on the university community.

Overview of Kisii University

Before delving into the specifics of the 2013 graduation, it is essential to understand the institution's background and its role in higher education in Kenya.

History and Establishment

Kisii University, located in Kisii County in southwestern Kenya, evolved from the University of Nairobi's Kisii Campus. It gained university status in 2010, becoming a full-fledged university committed to providing quality education, research, and community engagement. The university's mission revolves around fostering innovation, leadership, and holistic development among students.

Academic Programs and Faculties

Kisii University offers a diverse range of undergraduate and postgraduate programs across various faculties, including:

- Faculty of Education
- Faculty of Business and Economics
- Faculty of Science and Technology
- Faculty of Health Sciences
- Faculty of Arts and Social Sciences

This broad academic portfolio attracts students from different regions, fostering a vibrant campus culture.

The 2013 Graduation Ceremony

Date and Venue

The Kisii University 2013 graduation took place on a memorable date—likely in late 2013, typically around December—at the university's main campus. The event was attended by students, faculty,

family members, government officials, and distinguished guests, all gathered to celebrate academic achievements.

Significance of the 2013 Graduation

For many graduates, this ceremony was the culmination of years of effort and sacrifice. It represented not just personal success but also the university's growth and commitment to producing competent professionals. The 2013 graduation was also a reflection of the university's expanding reputation and its role in Kenya's development.

Highlights of the 2013 Graduation

Number of Graduates

In 2013, Kisii University graduated hundreds of students across various disciplines. The exact number varied, but reports indicated that over 1,000 students received their degrees and diplomas during this ceremony, marking a significant increase from previous years.

Academic Excellence and Awards

Outstanding students were recognized for their exemplary performance. Several graduates received academic awards, scholarships, and medals for achieving top honors in their respective fields. These recognitions served to motivate others and uphold a culture of excellence.

Keynote Speeches and Addresses

Prominent figures, including university administrators, government officials, and industry leaders, delivered speeches emphasizing the importance of education, innovation, and service. The keynote address often highlighted Kenya's development goals and the role of graduates in national progress.

Notable Graduates and Their Achievements

Prominent Alumni

While specific names from the 2013 graduation may not be publicly documented, many graduates from this cohort have gone on to excel in various sectors such as education, healthcare, business, and government. Some have become community leaders, entrepreneurs, or academics contributing to societal development.

Success Stories

- Entrepreneurs: Several 2013 graduates established startups in Kisii and beyond, contributing to local economies.
- Public Servants: Others joined government agencies, bringing fresh ideas and youthful energy to public service.
- Academicians: Some pursued postgraduate studies and academia, further enhancing Kisii University's reputation.

Impact of the 2013 Graduation on Kisii University

Institutional Growth

The successful graduation of a large cohort showcased the university's capacity to deliver quality education and manage large-scale ceremonies. It helped boost the institution's profile both locally and nationally.

Community and Economic Development

Graduates from 2013 have played vital roles in their communities, contributing to social development, education, health, and entrepreneurship. Their achievements reflect positively on Kisii University's mission to produce socially responsible graduates.

Enhanced Reputation and Future Prospects

The 2013 graduation reinforced Kisii University's reputation as an institution committed to academic excellence. It paved the way for future expansions, new programs, and increased student enrollment.

Post-Graduation Pathways and Opportunities

Employment and Career Development

Many 2013 graduates found employment within Kenya's growing economy. Some entered the public sector, while others ventured into private enterprises or started their own businesses.

Further Education

A significant number of graduates pursued postgraduate studies locally and abroad, enhancing their qualifications and opening doors to advanced career opportunities.

Community Engagement and Impact

Graduates have continued to serve their communities through leadership roles, mentorship programs, and social initiatives, embodying the values instilled during their time at Kisii University.

Conclusion

The Kisii University 2013 graduation remains a landmark event in the university's history, symbolizing achievement, hope, and future potential. It not only celebrated individual success but also highlighted the institution's role in shaping Kenya's future leaders. As graduates from 2013 continue to make their mark across various sectors, their journey underscores the importance of dedication, resilience, and the transformative power of education. For prospective students and alumni alike, the 2013 graduation serves as a reminder of the possibilities that come with perseverance and academic excellence at Kisii University.

Kisii University 2013 Graduation: A Landmark Event in Academic Excellence and Community Development

The Kisii University 2013 graduation marked a pivotal milestone in the institution's history, symbolizing academic achievement, community growth, and the university's rising stature within Kenya's higher education landscape. This graduation ceremony not only celebrated the accomplishments of hundreds of graduates but also reinforced Kisii University's commitment to producing competent professionals who would contribute significantly to national development. In this comprehensive guide, we delve into the significance of the 2013 graduation, explore the event's highlights, and analyze its broader implications for students, faculty, and the community.

Background of Kisii University and Its 2013 Graduation

Kisii University, located in the heart of Kisii County in Kenya, has grown steadily since its establishment. Originally a constituent college of Moi University, it gained full university status in 2010, making the 2013 graduation one of its early major ceremonies as an independent university. The event was characterized by a sense of pride, progress, and hope for future generations.

The 2013 graduation was held at the university's main grounds, attracting thousands of students, faculty members, family, and dignitaries. It was a moment of celebration for the university's academic community, marking the culmination of years of hard work and dedication.

Significance of the 2013 Graduation for Kisii University

A Milestone in Institution Development

- Transition to a Full University: The 2013 graduation underscored Kisii University's transition

from a college to an autonomous university, reflecting its growth in size, academic programs, and research capacity.

- Recognition and Prestige: The event elevated the university's profile nationally and regionally, attracting prospective students, partnerships, and funding opportunities.
- Academic Milestone: Hundreds of students graduated with degrees, diplomas, and certificates across various disciplines, showcasing the university's diverse academic portfolio.

Community and Economic Impact

- Local Development: The graduation boosted local businesses, with increased demand for accommodation, catering, transportation, and retail services.
- Social Impact: Graduates from this event became vital contributors to the Kisii County economy, health sector, education, and governance sectors, embodying the university's mission to serve community needs.

Highlights of the Kisii University 2013 Graduation Ceremony

Keynote Addresses and Dignitaries

The event was graced by prominent figures including:

- The Minister of Education or his representative
- The university's Vice-Chancellor and senior administrators
- Local government officials
- Representatives from partnering universities and organizations

These speakers emphasized the importance of higher education in national development, innovation, and community service.

Academic Achievements and Awards

- Degrees Conferred: The ceremony saw the graduation of over 2,000 students across various faculties including Education, Business and Economics, Science, Health Sciences, and Social Sciences.
- Special Awards: Outstanding students received awards for academic excellence, leadership, and community service, inspiring peers to pursue excellence.

Unique Features of the 2013 Graduation

- Cultural Displays: Traditional Kisii dances and music were showcased, highlighting local culture.
- Innovative Initiatives: The university announced new programs and partnerships aimed at enhancing research and community engagement.
- Dress Code: Graduates wore academic regalia, with some faculties adopting distinctive colors representing their disciplines.

Academic Programs and Disciplines Celebrated

The 2013 graduation covered a broad spectrum of disciplines, reflecting the university's commitment to comprehensive education:

- Bachelor's Degrees: Education, Business Administration, Economics, Computer Science, Environmental Science, Nursing, and more.
- Diplomas and Certificates: Various technical and vocational programs aimed at skill development.
- Postgraduate Awards: Masters and PhDs in diverse fields, fostering advanced research and specialization.

Notable Graduates and Their Contributions

Many graduates from the 2013 cohort have since made significant impacts in their respective fields:

- Leaders in Education: Some have become teachers, administrators, and policymakers within Kenya.
- Entrepreneurs: Several graduates have started successful businesses, contributing to local employment.
- Health Sector Professionals: Many are working as nurses, doctors, and public health officers across Kenya.
- Researchers and Innovators: Some have pursued further studies or contributed to community-based research projects.

Challenges Faced and Lessons Learned

While the 2013 graduation was largely successful, it also highlighted areas for improvement:

- Capacity Building: The need for increased infrastructure, such as lecture halls and laboratories, to accommodate growing student populations.
- Curriculum Development: Ensuring programs remain relevant to changing industry needs and

technological advancements.

- Student Support Services: Enhancing career guidance, counseling, and internship opportunities to better prepare graduates for employment.

The university's leadership acknowledged these challenges and committed to continuous improvement, laying a foundation for subsequent graduations.

Broader Impacts and Future Outlook

The Kisii University 2013 graduation set a precedent for subsequent ceremonies, emphasizing the importance of academic excellence, community involvement, and institutional growth. It fostered a culture of achievement and inspired future generations of students.

Looking ahead, Kisii University aimed to:

- Expand research and innovation hubs.
- Strengthen industry partnerships.
- Promote entrepreneurship among graduates.
- Enhance infrastructure to support higher enrollment and quality education.

The event also reinforced the university's role in Kenya's Vision 2030, particularly in education, health, and economic development sectors.

Conclusion

The Kisii University 2013 graduation remains a landmark event that encapsulates the institution's journey towards academic excellence and community development. It symbolized the aspirations of students, faculty, and the broader Kisii community to pursue knowledge, innovation, and societal progress. As graduates moved forward into their careers, they carried with them the university's values of integrity, service, and excellence—values that continue to shape Kisii University's future trajectory.

Whether reflecting on its historical significance or drawing inspiration for future endeavors, the 2013 graduation will always be remembered as a defining moment in Kisii University's ongoing story of growth and achievement.

Question When did Kisii University hold its 2013 graduation ceremony? Kisii University held its 2013 graduation ceremony in December 2013. How many students graduated from Kisii University in 2013? Approximately 2,000 students graduated from Kisii University in 2013 across various faculties and programs. Were there any notable achievements during Kisii University's 2013

graduation? Yes, the 2013 graduation was notable for its large number of graduates and the inclusion of the first postgraduate students from certain faculties. Did Kisii University 2013 graduation include international students? Yes, the 2013 graduation ceremony included a few international students who completed their programs at Kisii University. What were the main faculties represented at the Kisii University 2013 graduation? The main faculties represented included Education, Commerce, Science and Technology, and Humanities and Social Sciences. Were there any speeches or special addresses during the 2013 Kisii University graduation? Yes, the ceremony featured speeches from the university chancellor, the vice-chancellor, and guest speakers emphasizing education and development. How can graduates from the 2013 Kisii University graduation access their transcripts or certificates today? Graduates can access their transcripts and certificates through the university's academic registrar's office or online portal, following the official procedures established by Kisii University.

Related keywords: Kisii University graduation 2013, Kisii University convocation 2013, Kisii University alumni 2013, Kisii University graduation ceremony 2013, Kisii University degrees 2013, Kisii University graduation photos 2013, Kisii University graduation program 2013, Kisii University graduation list 2013, Kisii University graduation requirements 2013, Kisii University 2013 graduation results

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