Centre for Skill Development Courses and Career Planning (CSDCCP)

DEVA MATHA COLLEGE KURAVILANGAD

The Centre for Skill Development, Courses, and Career Planning (CSDCCP) was established during the academic year 2025-26 at the college following instructions from MG University (No. 9166/ACA 16/2024/MGU, dated 14.10.2024). This initiative aligns with directives issued to all Higher Education Institutions (HEIs) in Kerala, pursuant to UGC guidelines (December 2023) and Government Orders (G.O. Rt. No. 724/HEDN, dated 24.06.2024, and GO(Rt) No. 1601/2023/HEDN, dated 30.10.2023).

The CSDCCP aims to integrate short-term, credit-linked skill development courses into higher education to bridge the skill gap, enhance employability, and foster lifelong learning. As per the Guidelines for the Establishment and Functioning of the Centre for Skill Development Courses issued by KSHEC, the following are the comprehensive set of objectives and guidelines of the centre.

Objectives of CSDCCP

- Bridging the Skill Gap: Providing tailored training programs designed to meet evolving industry requirements.
- Promoting Employment: Enhancing student employability by delivering high-demand professional skills.
- Lifelong Learning: Fostering a campus culture dedicated to continuous personal and professional development.
- Empowerment through Education: Ensuring accessibility and equity in career advancement opportunities for all students.
- Community Engagement: Transforming Higher Education Institutions (HEIs) into regional skill hubs for the local population.

Guidelines for Course Delivery

Faculty and Instruction

Courses may be facilitated by HEI faculty, certified skill instructors, or experienced industry professionals.

Credit System and Duration

The credit structure is designed to prioritize hands-on expertise:

- Duration: 3–6 months.
- Credit Range: 12–30 credits per course.
- Credit Calculation: 1 credit = 15 hours of theory or 30 hours of practical training.
- Skill Component: 60–70% of total credits must be dedicated to practical application.

Curriculum and Delivery

- Composition: A blend of practical training (labs, workshops, or industry internships) and general education (communication, ICT, and soft skills).

- Modes of Delivery: Theory may be delivered via physical, online, or hybrid modes; however, practical components must be conducted in person.

Assessment and Certification

- Transparency: Assessments are conducted transparently, subject to approval by the HEI's Statutory Body.
- Standardization: Aligned with the National Skills Qualifications Framework (NSQF) where applicable.
- Certification: Features joint certification with Sector Skill Councils (SSCs) where relevant, with digital certificates issued via NAD/DigiLocker.
- Credit Transfer: All earned credits are deposited into the Academic Bank of Credits (ABC).

Financial Sustainability

Courses shall operate on a self-sustaining basis in accordance with institutional financial policies.

Credit Integration in FYUG Programmes

The CSDCCP aligns with the Four-Year Undergraduate Programme (FYUG) framework:

- Substitution: Credits earned from skill courses may be counted in lieu of "Minor" courses.
- Flexibility: Students may opt for 1–2 short-term skill development courses during their degree or diploma.
- Synergy: Promotes the seamless integration of vocational skilling with traditional academic disciplines.

Advisory Committee of the CSDCCP

As per the letter No. 01/2025-26/CSDCCP/DMCK dated 01/08/2025, the PROCEEDINGS OF THE PRINCIPAL DEVA MATHA COLLEGE, KURAVILANGAD, the Advisory Committee of the CSDCCP at Deva Matha College, Kuravilangad stands constituted as follows:

Principal : Dr. Sunil C. Mathew (Ex-officio Member)

Centre Director :

Dr. Lishamol Tomy, Professor, Department of Statistics

Secretary :

Dr. Brincy Mathew (Co-ordinator, Career & Placement Cell), Associate Professor, Department of Malayalam

Members :

Dr. Sindhu S., (Representative from Awarding Body), Principal, IHRD, Kaduthuruthy

Dr. Tina Sebastian (FYUGP Co-ordinator – Representative from Academia), Associate Professor in Physics

Dr. Syju Thomas (IQAC Co-ordinator), Assistant Professor in Physics

Mr. Jithin Joy (NSS Programme Officer), Assistant Professor in Commerce

Dr. Deepthi John (Representative from Career & Placement Cell), Assistant Professor in Chemistry

Core Initiatives

During the academic year 2025-26, the Centre for Skill Development, Courses, and Career Planning (CSDCCP) spearheaded several strategic programs to bridge the gap between traditional academics and industry requirements. A significant milestone in this direction was the formal **Memorandum of Understanding (MoU) signed with** Institute of Human Resources Development (**IHRD) Kaduthuruthy** on 23/09/2025, which officially established the CSDCCP at the college to offer specialized skill development courses and achieve targeted employability goals. These initiatives were designed to provide students with globally relevant technical skills, career orientation, and credit-linked certifications in accordance with the MGU-UGP framework.

- AI Nexus: A five-day intensive bootcamp on Artificial Intelligence organized in collaboration with NIELIT, providing 50 participants with hands-on technical expertise.
- Career Jwala: A career orientation seminar organized for all final-year students in association with the Employment Department, Government of Kerala, and the college Career and Placement Cell.
- Data Analysis and Visualization in Finance: A 60-hour professional certification course offered to 32 registered students by IHRD, Kaduthuruthy, featuring project-based evaluation and credits integrable under the MGU-UGP system.

The reports of the three events are attached below:

REPORT 1

FIVE-DAY WORKSHOP ON "AI Nexus : Bootcamp on AI"

Organized by: Centre for Skill Development, Courses and Career Planning (CSDCCP), Deva Matha College, Kuravilangad

In Collaboration with: NIELIT (National Institute of Electronics & Information Technology)

Dates: August 11, 12, 13, 14, and 16, 2025

Sponsored by: MeitY (Ministry of Electronics and Information Technology), Govt. of India

Target Audience: 50 selected students of the college

Introduction: The NIELIT Bootcamp Concept

A Bootcamp by NIELIT is a specialized, high-intensity training model designed to bridge the gap between traditional academic curricula and the rapidly evolving requirements of the technology industry. Unlike semester-long courses, these bootcamps focus on rapid skill acquisition through:

- Hands-on Immersive Learning: 60–70% of the duration is dedicated to practical lab sessions.
- Industry-Standard Tools: Exposure to professional environments such as Python, TensorFlow, and Scikit-learn.
- FutureSkills Prime: As a joint initiative of MeitY and NASSCOM, NIELIT bootcamps aim to make India a "Digital Talent Nation" by democratizing high-end tech education.

Programme Overview: "AI NEXUS"

The CSDCCP of Deva Matha College identified Artificial Intelligence as a critical competency area for students across all disciplines. Named "AI Nexus," this five-day bootcamp served as a central hub (nexus) where students from various backgrounds connected with the future of technology.

Aims and Objectives:

- To demystify AI and Machine Learning for non-technical and technical students alike.

- To provide foundational training in Python for AI.

Daily Schedule and Curriculum

The program followed a structured 40-hour format (8 hours per day) as per the NIELIT model.

Day & Date	Theme	Key Focus Areas
Day 1 (Aug 11)	Foundations	Introduction to AI/ML, Python programming basics, and Environment setup.
Day 2	Data Processing	Working with Data: NumPy, Pandas, and Exploratory

Day & Date	Theme	Key Focus Areas
(Aug 12)		Data Analysis (EDA).
Day 3 (Aug 13)	Intelligence	Supervised vs Unsupervised Learning; building first Regression & Classification models.
Day 4 (Aug 14)	Vision & Generative AI	Computer Vision basics and the rise of LLMs (Generative AI).
Day 5 (Aug 16)	Nexus Capstone	Capstone Project: Real-world problem solving and Final Assessment.

Implementation and Delivery

- Expert Instruction: Training was led by scientists and technical officers from NIELIT Calicut, ensuring high-level professional guidance.
- Methodology: The "Nexus" approach used a Hybrid Model. Theory sessions were conducted in the college auditorium, followed by rigorous practical sessions in the college computer labs.
- Assessment: Participants underwent a final evaluation on the concluding day, consisting of a project presentation and a skill-based test.

Outcome and Impact

- Skill Certification: Successful students were awarded certificates jointly by Deva Matha College and NIELIT, enhancing their resumes for future placements.
- Empowerment: The program successfully transitioned students from being "consumers" of AI to "creators" of basic AI models.

Conclusion

The AI Nexus bootcamp stands as a flagship initiative of the CSDCCP at Deva Matha College. By partnering with a premier national agency like NIELIT, the college has successfully integrated high-end vocational training with traditional higher education, fulfilling the vision of the UGC and the Government of Kerala.

REPORT 2

CAREER JWALA – CAREER ORIENTATION SEMINAR

Organized by: Centre for Skill Development, Courses and Career Planning (CSDCCP) & Career and Placement Cell, Deva Matha College, Kuravilangad

In Association with: Employment Department, Government of Kerala

Date: September 19, 2025

Time: 1:15 PM – 3:15 PM

Target Audience: Final Year Undergraduate and Postgraduate Students

Introduction

In alignment with the CSDCCP's objective of Promoting Employment and providing Career Advancement Opportunities, a career orientation seminar titled "Career Jwala" was conducted at Deva Matha College. The programme was designed to equip final-year students with the necessary insights to navigate the competitive job market and understand the various avenues provided by the Government of Kerala and the Union Government.

Session Highlights

The keynote session was led by Mr. Ratheesh Kumar S., a distinguished Resource Person from the Government Departments. His presentation focused on:

- Public Sector Opportunities: An overview of Kerala PSC, UPSC, and SSC examinations, including updated syllabus trends and preparation strategies.
- Employment Department Services: Information on the various schemes, registration processes, and skill-enhancement training offered by the State Employment Department.
- Career Mapping: Guidance on choosing the right career path based on academic background and personal aptitude.
- Soft Skills for Success: The importance of communication, resume building, and interview etiquette in securing modern-day employment.

Participation and Impact

The seminar saw active participation from all final-year students of the college. As these students are on the threshold of completing their degrees, the session provided a timely intervention to reduce "career anxiety" and replace it with a structured roadmap for professional growth.

The interactive Q&A session allowed students to clarify doubts regarding age relaxations, specific departmental exams, and the integration of short-term skill courses (as promoted by CSDCCP) into their professional profiles.

Conclusion

"Career Jwala" successfully fulfilled the CSDCCP guideline of fostering Community Engagement and Industry-relevant orientation. By collaborating with the Government Employment Department, the college ensured that students received authentic and high-quality guidance, significantly boosting their confidence for upcoming recruitment cycles.

REPORT 3

ADDITIONAL SKILL COURSE ON DATA ANALYSIS AND VISUALIZATION IN FINANCE

Organized by: Centre for Skill Development, Courses and Career Planning (CSDCCP), Deva Matha College, Kuravilangad

In Collaboration with: IHRD (Institute of Human Resources Development), Kaduthuruthy

Date of Inauguration: December 15, 2025

Course Duration: 60 Hours

Total Enrollment: 32 Students

Academic Framework: MGU-UGP (Four-Year Undergraduate Programme)

Introduction and Inauguration

In alignment with the directives from MG University and the Government of Kerala to integrate industry-ready skills into higher education, the CSDCCP officially inaugurated the Additional Skill Courses in collaboration with IHRD Kaduthuruthy on December 15, 2025. The flagship course, "Data Analysis and Visualization in Finance," commenced on the same day, marking a significant milestone in providing specialized vocational training within the college campus.

Course Objectives and Curriculum

The 60-hour intensive program was designed to bridge the gap between theoretical finance and modern data analytics. The curriculum focused on:

- Financial Data Handling: Cleaning and organizing complex fiscal datasets.
- Statistical Analysis: Applying mathematical models to financial trends.
- Visualization Tools: Using software to create interactive dashboards and reports.
- Soft Skills: Enhancing technical communication for professional environments.

Instructional Methodology

The course followed a robust pedagogical structure to ensure high-quality learning outcomes:

- Expert Faculty: Sessions were handled by specialized faculty members from IHRD, bringing industry-standard expertise to the classroom.
- Practical Emphasis: In accordance with CSDCCP guidelines, the majority of the course was hands-on. All practical components were conducted in the College Computer Lab, allowing students to apply theoretical concepts in real-time.
- Student Engagement: A dedicated batch of 32 students participated actively, reflecting a strong interest in financial technology (FinTech) skills.

Evaluation and Assessment

To maintain academic rigor, the course employed a two-tier evaluation strategy:

1. Mini Project: Students were required to submit a project demonstrating the application of data visualization techniques to a specific financial problem.
2. External Examination: A final summative exam was conducted by IHRD to validate the technical proficiency of the participants.

Credit Integration under MGU-UGP

A key highlight of this program is its formal recognition within the Mahatma Gandhi University Undergraduate Programme (MGU-UGP) framework.

- Credit Entry: Upon successful completion, the earned credits will be officially entered into the students' academic records.
- Academic Bank of Credits (ABC): The credits will be uploaded to the Academic Bank of Credits (ABC) portal, ensuring seamless transfer and accumulation as per the National Higher Education Qualifications Framework (NHEQF).
- Minor/SEC Alignment (Expected subject to University approval): These credits may be utilized by students in lieu of minor courses or as part of their Skill Enhancement Course (SEC) requirements.

Conclusion

The successful commencement and execution of the "Data Analysis and Visualization in Finance" course demonstrate Deva Matha College's commitment to the MGU-UGP vision. By partnering with IHRD, the CSDCCP has successfully created a self-sustaining model of education that empowers students with employable skills while maintaining strict academic standards.