

**Proceedings of the Two Day National Seminar on
"Defining, Designing and Developing Learning Outcomes - based
Curriculum Framework in Arts & Science Colleges"**

18th & 19th November, 2021

Sponsored by



**National Assessment and Accreditation Council
(NAAC)**

Bangalore - 560072, Karnataka, India.

Organized by

Internal Quality Assurance Cell (IQAC)



KG College of Arts and Science

Affiliated to Bharathiar University

Accredited by NAAC

ISO 9001:2015 Certified Institution

KGiSL Campus, Coimbatore - 641 035

Proceedings of the Two Day National Seminar on
**"Defining, Designing and Developing Learning Outcomes - based
Curriculum Framework in Arts & Science Colleges"**

18th & 19th November, 2021

Sponsored



**National Assessment and Accreditation Council
(NAAC)**

Bangalore - 560072, Karnataka, India.

Organized by
Internal Quality Assurance Cell (IQAC)



KG College of Arts and Science

Affiliated to Bharathiar University

Accredited by NAAC

ISO 9001:2015 Certified Institution

KGiSL Campus, Coimbatore - 641 035

All Rights Reserved.

Original English Language Edition ©Copyright by **KG College of Arts and Science**.

This proceedings may not be duplicated in anyway without the express written consent of the publisher, except in the form of brief excerpts or quotations for the purpose of review. The information contained herein is for the personal use of the reader and may not be in corporate in any commercial programs, other books, database or any kind of software without written consent of the publisher. Making copies of this book or any portion there off or any purpose other than your own is a violation of copyright laws.

Limits of Liability/Disclaimer of Warranty: The author and publisher have used their effort in preparing this proceedings and author makes no representation or warranties with respect to accuracy or completeness of the contents of this book and specifically disclaims any implied warranties of merchantability or fitness for any particular purpose. There are no warranties which extend beyond the descriptions contained in this paragraph. No warranty may be created or extended by sales representatives or written sales materials. Neither KG College of Arts and Science or author shall be liable for any loss of profit or any other commercial damage, including but limited to special, incidental, consequential or other damages.

ISBN 978-93-5578-229-8



Published by

**KG College of Arts and Science,
KGiSL Campus,
Saravnapatty,
Coimbatore 641 035.**

S. No.	Title of the Paper	Author Name	Page No.
19.	Independent Certification to Launch and Advance in IT field	Mr. Alwin Pinakas J	92
20.	Integrated and Transformative Teaching-Learning through Digital Convergence	Dr. P. Geetha Dr. S. Shenbagavalli	96
21.	Improving Employability of the Students Through Blended Learning	Dr. V. Sathyavathy	100
22.	Improving the Creative Thinking Skills Through Hackathons	Ms. A. Lavanya	102
23.	Improving the Professional Development of the faculty member	Ms. P. Lavanya	105
24.	Leadership and Management Programme [LAMP]	Dr. R. Perumalsamy	107
25.	Outcome Based Education: A Theoretical Overview	Dr. A. Ramya Ms. R. Pavithra	109
26.	Pecha Kucha- Enhancing Communication & Presentation Skills	Dr. G. Jayanthi	113
27.	Teaching Strategy Using Blooms Taxonomy	Dr. S. Tephillah Vasantham	117
28.	Producer Activity	Dr. R. Kanchana	122
29.	Removing the Language Barrier in Understanding the Fundamental Concept	Ms. A. Nagarathinam	124
30.	Role of ICT in 21st Century's Teacher Education with Their Characteristics and Development	Mrs. A. Vaishnavi	126
31.	Technical Enrichment Plans for students and faculty members (Online Courses)	Ms. M. Usha	134
32.	RPA and Cognitive Technologies in Education Sector	Mrs. A. Gowri Dr. Marraynal S Eastaff	137
33.	Today's Reading Newspaper (TRN)	Dr. E. Sheeba	151
34.	Martial Arts For Self Defense	Dr. G. Jagadeeswari	149
35.	Learning Outcomes: Their Importance and Benefits	Dr. P. Rizwan Ahmed	151



INTEGRATED AND TRANSFORMATIVE TEACHING - LEARNING THROUGH DIGITAL CONVERGENCE

Dr. P. Geetha

Associate Professor of Economics
Sri G.V.G. Visalakshi College
for Women (Autonomous),
Udumalpet

Dr. S. Shenbagavalli

Assistant professor of History
Sri G.V.G. Visalakshi College
for Women (Autonomous),
Udumalpet

Goal

The focus of this practice is to create and deliver e-resources for blended learning.

The Context

The global economy has been deeply affected due to the deadly and infectious Covid-19. This has tremendously disrupted the education sector with temporary closure of educational institutions. The urgent need was to protect and save our students, faculty, community, society and nation as a whole. It was a clarion call to move towards innovative teaching- learning methodologies. The transformation from physical classes to virtual classes, as a part of ‘new normal’ and to address the multitasking capabilities of the millennial learners, various innovative e-learning pedagogies need to be evolved. As an educator, we need to create a resourceful and unmatched talent pool so as to secure the future of our next generation. Hence, a strong roadmap towards production and delivery of e-learning resources was laid.

The Practice

To enhance the creation and delivery of E-learning resources, the following steps were taken:

- Digital Media Club was formed.
- Faculty were encouraged to attend FDPs on E-content development in four quadrant model.
- Workshops/ hands-on-training were organized.
- Imparted basic ICT skills to the learners.
- Provide skills in accessing open educational resources and e-learning facilities.
- Class-wise/ Course-wise WhatsApp Groups created.
- Flipped classes through our customised LMS – CAMU - e-text, PPTs, videos, q-bank, references.
- Adopted Gamification method.
- Virtual labs for science students.
- Simulations – PhET, Brainstorming.
- Collaborative learning (involving all students in problem solving/ activities online through a single platform.)
- Learners encouraged to enroll in online courses – Swayam/ Course Era/ Udemy/ Future Learn/ IIRS-ISRO, etc.



- Global connect to eminent speakers and world class lectures.
- Exposure to Life-long learning opportunities

Evidence of Success

- OER (Teacher’s e-Kit, available at MHRD-PMMMNMTT portal) for Chemistry Theory Teaching developed by two of our faculty members.
- YouTube Channels created and lesson videos uploaded
- Created Blogs.
- E-resources used for blended learning.
- E-materials in the form of infographics and videos were created by the students.
- Many faculties and students have completed MOOCs/ online certificate courses.
- Promoted remote learning.
- Professional enrichment.

Problems Encountered

- Time constraint in creation of e-content.
- Lack of appropriate devices and facilities for creating e-content.
- Poor connectivity and network issues affects downloading and use of online resources for e-learning in rural areas where our institution is located.

Resources Required

- Recording and editing audio-video Studio.
- Hardware (Apple Desktop with Mac OS) and software (ex. Camtasia 2021).
- Extended Network with maximum bandwidth.
- Technical Assistants.