

**GOA UNIVERSITY**  
**Taleigao Plateau, Goa 403 206**

**MINUTES**

**of the 1<sup>st</sup> Meeting of the**

**X ACADEMIC COUNCIL**

**Day & Date**

**22<sup>nd</sup> & 27<sup>th</sup> October, 2020**

**Time**

**10.30 a.m.**

**Online Via Google Meet**

## Minutes of the First Meeting of the X Academic Council

Date: 22-10-2020 and 27-10-2020

Time: 10.30 a.m.

Venue: Online via Google Meet

A list of members who attended the meeting of Academic Council and those who sought leave of absence is appended.

The Chairperson (Vice-Chancellor) welcomed the members to the First meeting of the X Academic Council, especially the external members of the House.

The Chairperson (Vice-Chancellor) informed the House that Prof. Radhika S. Nayak, Officiating Registrar would not be able to join as she was on sick leave and Shri M. Shreedhara, Joint Registrar, Administration and Officiating Registrar was requested to be the Member Secretary for the meeting. The members were informed that the agenda for the meeting is being sent electronically to all the members.

The Chairperson (Vice-Chancellor) further informed the House that the Academic Council has an important role to play in deciding policies of the University with regards to the framing of Ordinances and Statutes concerning academic matters. The Academic Council has an important decision making role when it comes to matters which are purely of an academic nature and, most importantly, it is a deliberative body where the members openly discuss and debate issues that concern the overall academic health of the University.

Thereafter, the agenda was taken up for discussion.

<b>D</b>	<b>DISCUSSION ITEMS</b>
<b>D 1</b>	<b>CONFIRMATION</b>
<b>D 1.1</b>	<p><b>To confirm the minutes of the Eighteenth meeting of the IX Academic Council held on 23<sup>rd</sup>, 24<sup>th</sup> &amp; 27<sup>th</sup> July, 2020.</b></p> <p>The Joint Registrar-Academic brought to the notice of the House, changes suggested by the Dr. Neena Panandikar, Dr. Dilip Arolkar, members of the Academic Council and change in item No. D7.1.</p> <p>The minutes of the 18<sup>th</sup> Meeting of the IX Academic Council held on 22<sup>nd</sup>, 23<sup>rd</sup> and 27<sup>th</sup> July, 2020 were confirmed with the suggested changes.</p> <p style="text-align: center;"><b>(Action: Assistant Registrar Academic -General)</b></p>
<b>D 2</b>	<b>FOLLOW UP ACTION</b>
<b>D 2.1</b>	<p><b>Follow up action on the minutes of the Eighteenth meeting of the IX Academic Council held on 23<sup>rd</sup>, 24<sup>th</sup> &amp; 27<sup>th</sup> July, 2020.</b></p> <p>The Academic Council noted the action taken/initiated on various decisions taken in its meeting held on 23<sup>rd</sup> 24<sup>th</sup> &amp; 27<sup>th</sup> July, 2020.</p> <p>With regard to item No. D 4 i.e. Reports of Affiliation Inquiry Committee, the Chairperson</p>

	<p>(Vice-Chancellor) informed the House that due to the ongoing COVID-19 pandemic, all Affiliation Inquiry Committee visits for affiliation of new programmes were conducted online via Google Meet.</p> <p style="text-align: center;"><b>(Action: Concerned AR's)</b></p>
<b>D 3</b>	<b>BOARD OF STUDIES</b>
<b>D 3.1</b>	<p><b>Minutes of the meeting Board of Studies in Biotechnology held on 22.07.2020.</b> The Academic Council approved the minutes of the meeting Board of Studies in Biotechnology held on 22.07.2020.</p> <p>The MOOCs Courses recommended for the M.Sc Programme in Biotechnology/Marine Biotechnology, were approved.</p> <p style="text-align: center;"><b>(Action: Assistant Registrar Academic-PG)</b></p>
<b>D 3.2</b>	<p><b>Minutes of the Board of Studies in Psychology held on 14.10.2020.</b> The Academic Council approved the minutes of the Board of Studies in Psychology held on 14.10.2020.</p> <p>The Academic Council approved the recommended list of Post Graduate Courses offered under SWAYAM MHRD portal.</p> <p style="text-align: center;"><b>(Action: Assistant Registrar Academic -PG)</b></p>
<b>D 3.3</b>	<p><b>Minutes of the meeting of Board of Studies in English held on 14.10.2020.</b> The Academic Council approved the Minutes of the meeting of Board of Studies in English held on 14.10.2020.</p> <p style="text-align: center;"><b>(Action: Assistant Registrar Academic -PG)</b></p>
<b>D 3.4</b>	<p><b>Minutes of the Board of Studies in Information Technology meeting held on 01.09.2020.</b> The Academic Council approved the minutes of the Board of Studies in Information Technology meeting held on 01.09.2020.</p> <p>Modified scheme and syllabus submitted by the Board of Studies were also approved.</p> <p style="text-align: center;"><b>(Action: Assistant Registrar Academic -PG)</b></p>
<b>D 3.5</b>	<p><b>Minutes of the Board of Studies in Electronics &amp; Telecommunication Engineering held on 11.09.2020.</b> The Academic Council approved the minutes of the Board of Studies on Electronics &amp; Telecommunication Engineering held on 11.09.2020.</p> <p>The Chairperson (Vice-Chancellor) thanked the Dean and Chairperson, Board of Studies Prof. J. A. Laxminarayana for his efforts in drawing up the modified syllabus.</p> <p style="text-align: center;"><b>(Action: Assistant Registrar Academic -PG)</b></p>
<b>D 3.6</b>	<p><b>Minutes of the BoS in Civil Engineering meeting held on 15.10.2020.</b> The Academic Council approved the minutes of the Board of Studies in Civil Engineering meeting held on 15.10.2020 with the suggestion to add under Unit 1 essential 2D and 3D Blocks in AutoCAD in Annexure I.</p> <p style="text-align: center;"><b>(Action: Assistant Registrar Academic -PG)</b></p>

**GOA UNIVERSITY**  
**Taleigao Plateau, Goa 403 206**

**UPDATED FINAL AGENDA**

**For the 1<sup>st</sup> Meeting of the**  
**X ACADEMIC COUNCIL**

**Day & Date**

**22<sup>nd</sup> & 23<sup>rd</sup> October, 2020**

**Time**

**10.30 a.m.**

**Online Via Google Meet**

	D 9.2 Resolutions submitted by Shri Khemal Sunil Prabhu Shirodkar. D 9.2.1 Refund of Revaluation fees.	Noted.
	D 9.2.2 Grace marks for CBCS.	Matter relating to Grace marks for CBCS has been forwarded on 09/10/2020 to the Chairperson and Member Secretary of the Committee constituted to Review the Ordinance OC-66, to place the same before the said Committee.
	D9.2.3 Sports Marks for Students Participating from Post-Graduation Courses.	Committee is being constituted.
	D 9.2.4 Cultural Marks For Under Graduate Courses.	Conveyed the decision vide email to the BoS Chairperson & Member Secretary of OC-66 Committee.
	D 9.2.5 Bringing back Revaluation System in the place of the double evaluation.	Matter is under process.
	D 9.2.6 Increasing Seats For Under Graduation and Post Graduation Courses.	Noted.
	D 9.2.7 Brief Plan Regarding Next Academic Year.	Noted.
	D 9.2.8 Goa University Helpline Number.	Information Desk has been set up at the University. The Helpline No. 8669609048.
	D 9.2.9 Setting up of Special Micro Health Centers.	The item was withdrawn.
	D 9.2.10 COVID-19 Awareness through N.S.S and N.C.C.	The resolution was withdrawn.
	D 9.2.11 Scholarships for Economically Affected Students Due to COVID-19.	LetterNo.GU/DSW/AC/Scholarship/2020/172/973 has been sent to the Directorate of Higher Education, Government of Goa on 14.10.2020 apprising them of the matter.
	D 9.2.12 Earn and Learn Scheme Funds should be increased.	Circular regarding Earn While You Learn Scheme duly incorporating to the A. Cs suggestion will be sent to the Department.
	D 9.3 Resolution submitted by Dr. M. Shanti related to the amendment of Statute SC-16.	Letter has been sent to the Director, DHE to examine the request made by Dr. M. Shanti. <a href="#">(Back to Index)</a>
<b>D 3</b>	<b>BOARDS OF STUDIES</b>	
<b>D 3.1</b>	<b>Minutes of the meeting Board of Studies in Biotechnology held on 22.07.2020.</b>  <b>Part A.</b> i. Recommendations regarding courses of study in the subject or group of subjects at the undergraduate level: <b>Nil</b> ii. Recommendations regarding courses of study in the subject or group of subjects	

at the postgraduate level:  
**MOOCs courses for M.Sc. Biotechnology /M.Sc. Marine Biotechnology.**

**Part B**

- i. Scheme of Examinations at undergraduate level: **Nil**
- ii. Panel of examiners for different examinations at the undergraduate level: **Nil**
- iii. Scheme of Examinations at postgraduate level: **Nil**
- iv. Panel of examiners for different examinations at post-graduate level: **Nil**

**Part C.**

- i. Recommendations regarding preparation and publication of selection of reading material in the subject or group of subjects and the names of the persons recommended for appointment to make the selection: **Nil**

**Part D**

- i. Recommendation regarding general academic requirements in the Departments of University or affiliated colleges. **Nil**
- ii. Recommendations of the Academic Audit Committee and status thereof: **Nil**

**Part E.**

- i. Recommendations of the text books for the course of study at undergraduate level: **Nil**
- ii. Recommendations of the text books for the course of study at post graduate level: **Nil**

**Part F.**

Important points for consideration/ approval of Academic Council

- i. The important points/recommendations of BoS that require consideration/approval of Academic Council (points to be highlighted) as mentioned below

**MOOCs Courses for M.Sc. Biotechnology/M.Sc. Marine Biotechnology**  
[Annexure-I](#) (refer page no [16])

The declaration by the chairman that the minutes were readout by the Chairman at the meeting itself.

Sd/-

Date: 22/07/2020

Signature of the Chairman

Place: Department of Biotechnology, Goa University.

**Part G.** The Remarks of the Dean of the faculty

- i) The minutes are in order
- ii) The minutes may be placed before the Academic Council with remarks if any.
- iii) May be recommended for approval of Academic Council.
- iv) Special remarks if any.

Date:

Sd/-

	Place: Goa University	Signature of the Dean <a href="#">(Back to Index)</a>
<b>D 3.2</b>	<p><b>Minutes of the Board of Studies in Psychology held on 14/10/2020.</b></p> <p><b>Part A</b></p> <p>i) Recommendation regarding courses of study in the subject or group of subjects at the Undergraduate level. : <b>NA</b></p> <p>ii) Recommendation regarding courses of study in the subject or group of subjects at the Postgraduate level.</p> <p><b>1. The list of recommended SWAYAM courses under SWAYAM MHRD Portal that can be offered at the PG Program Psychology - <a href="#">Annexure I</a> (refer page no [17]).</b></p> <p><b>Part B</b></p> <p>i) Scheme of examinations at the Undergraduate level. : <b>N.A</b></p> <p>ii) Panel of examiners for different examinations at the Under-Graduate level. : <b>N.A</b></p> <p>iii) Scheme of Examinations at the Post-Graduate level. : <b>N.A</b></p> <p>iv) Panel of Examiners for different Examinations at the Post-Graduate Level. : <b>N.A.</b></p> <p><b>Part C</b></p> <p>i) Recommendation regarding preparation and publication of selection of reading material in any subject or group of subjects and the name of person recommended for appointment to make selection. : <b>N.A.</b></p> <p><b>Part D</b></p> <p>i) Recommendation regarding general academic requirements in the departments of University or affiliated colleges. : <b>N.A</b></p> <p><b>Part E</b></p> <p>i) Recommendation of text books for the courses of study at the undergraduate level : <b>N.A.</b></p> <p>ii) Recommendation of text books for the courses of study at the postgraduate level. : <b>N.A.</b></p> <p><b>Part F: Important points for consideration/approval of Academic Council</b></p> <p>i) The important points/recommendations of B.O.S. that requires consideration/approval of Academic Council are as follows:</p> <p>Date: 14<sup>th</sup> OCT, 2020 Place: Panaji – Goa</p> <p style="text-align: right;">Sd/- <b>Signature of Chairperson -B.o.S</b> <b>(Dr. Janet Fernandes e de Souza)</b></p> <p><b>Part G: The remark of the Dean of Faculty.</b></p>	

### D 3.1 Minutes of the meeting Board of Studies in Biotechnology held on 22.07.2020.

#### Annexure I

The BoS recommended the following MOOCs courses for the M.Sc program in Biotechnology/Marine Biotechnology

MOOCs Course	Course Instructor and affiliation	Link for course structure/syllabus	BoS recommended credits
Introduction to Proteogenomics	Prof. Sanjeeva Srivastava IIT Bombay	<a href="https://nptel.ac.in/courses/102/101/102101076/">https://nptel.ac.in/courses/102/101/102101076/</a>	3
Food Microbiology and Food safety	Dr. Tejpal Dhewa	<a href="https://www.classcentral.com/course/swayam-food-microbiology-and-food-safety-17609">https://www.classcentral.com/course/swayam-food-microbiology-and-food-safety-17609</a>	3
GPS surveying	Dr. Jayanta Kumar Ghosh IIT Roorkee	<a href="https://nptel.ac.in/courses/105/107/105107157/">https://nptel.ac.in/courses/105/107/105107157/</a>	1
Introduction to Dynamical Models in Biology	Prof. Biplab Bose, IIT Guwahati	<a href="https://nptel.ac.in/courses/102/103/102103056/">https://nptel.ac.in/courses/102/103/102103056/</a>	2
Spectroscopic Techniques for Pharmaceutical and Biopharmaceutical Industries	Dr. Shashank Deep, IIT Delhi	<a href="https://nptel.ac.in/courses/104/102/104102113/">https://nptel.ac.in/courses/104/102/104102113/</a>	2
Computer aided drug design	Prof. Mukesh Doble, IIT Madras	<a href="https://nptel.ac.in/courses/102/106/102106070/">https://nptel.ac.in/courses/102/106/102106070/</a>	2
Introduction to Research	Prof. Prathap Haridoss, IIT Madras	<a href="https://nptel.ac.in/courses/121/106/121106007/">https://nptel.ac.in/courses/121/106/121106007/</a>	1

[\(Back to Index\)](#) [\(Back to Agenda\)](#)



**D 3.2 Minutes of the Board of Studies in Psychology held on 14/10/2020.**

**Annexure I**

**Post Graduate Courses offered under SWAYAM**

Sr. No	Course Title	Resource Person	Institute	Level	Duration	Start Date	End Date	Exam date	Enrolment ends	Link
1.	Communication Research	Prof. Narasimha Murthy	Bengaluru Central University	Post Graduate	15 weeks	15 Jul 2020	30 Nov 2020		14 <sup>th</sup> Oct, 2020	<a href="https://onlinecourses.swayam2.ac.in/cec20_ge30/p_review">https://onlinecourses.swayam2.ac.in/cec20_ge30/p_review</a>
2	Academic Writing	Dr Ajay Semalty	HNB Garhwal University (A Central University) Srinagar Garhwal (Uttarakhand)	Under Graduate / Post Graduate	15 weeks	20 Jul 2020	30 Nov 2020		14 <sup>th</sup> Oct 2020	<a href="https://onlinecourses.swayam2.ac.in/cec20_ge29/p_review">https://onlinecourses.swayam2.ac.in/cec20_ge29/p_review</a>
3	Early Childhood Care and Education (ECCE)	K. ArockiaMarai chelvi	Avinashilingam Institute for Home Science & Higher Education for Women, Coimbatore	Post Graduate	15 weeks	02 Jul 2020	14 Dec 2020	15 Nov 2020	14 <sup>th</sup> Oct 2020	<a href="https://onlinecourses.swayam2.ac.in/cec20_ed18/p_review">https://onlinecourses.swayam2.ac.in/cec20_ed18/p_review</a>

### DETAILED COURSE DESCRIPTION

Sr. No	Course Title	Resource Person	Institute	Level	Duration	Start Date	End Date	Exam date	Enrolment ends	Link
1.	Communication Research	Prof. Narasimha Murthy	Bengaluru Central University	Post Graduate	15 weeks	15 Jul 2020	30 Nov 2020		14 <sup>th</sup> Oct, 2020	<a href="https://onlinecourses.swayam2.ac.in/cec20-ge30/preview">https://onlinecourses.swayam2.ac.in/cec20-ge30/preview</a>

Communication research is of theoretical and application value. Media effects research in particular has played a stellar role in the formulation and revision of communication theories. Some such theories include the 'magic bullet theory, the selective exposure theory, the agenda setting theory, the uses and gratification theory, the theory of spiral of silence, and cultivation theory. Besides adding to theories, communication research provides functional inputs to communication and media industry. Such functional inputs are of immense value in assessing the reach and effectiveness of mass media, modifying the media content, and launching new media products to meet the changing needs of the audience. That being the importance of communication research, students pursuing post graduate programmes in communication and journalism must have a thorough understanding of research methods so as to function as academic and media industry researchers. With that objective, the 20 module of the communication research course is designed to help students learn all aspects of communication research. The 20-module syllabus covers all essential areas of research such as characteristics of research, types of research, review of literature, formulation of research questions and hypotheses, data collection methods, sampling procedures, data collection tools, collection and analysis of data, and presentation of findings. The course will also expose students to the most essential statistical procedures. Here, the focus will be on data measurement levels, measures of central tendencies; Measures of variability, Inferential statistics, parametric and non-parametric tests such as Chi-square test, Student's t-Test, Analysis of Variance, Pearson and Spearman Correlation coefficient tests, and use of statistical software for analysis. The 20 module will be covered in 15 weeks. Each week will cover one or modules with four quadrants consisting of E-content, self-instruction materials, interaction, assignments and assessments.

[\(Back to Index\)](#) [\(Back to Agenda\)](#)

## **INSTRUCTOR BIO**



Prof. Narasimhamurthy

Bengaluru Central University

Prof. Narasimhamurthy presently working as a Professor in Communication, Dean Faculty of Arts, Bengaluru Central University, Bangalore. Prof. Murthy has 30 years of experience in Communication Education. His areas of interest include Communication Research, Theories of Communication, Development Communication and Broadcast Journalism. He has published more than 20 research papers in National/International refereed journals and attended several National and International conference/seminars in India and abroad. He is actively involved in Mass Communication and Journalism academic activities of several Universities of the country.

[\(Back to Index\)](#) [\(Back to Agenda\)](#)

## C O U R S E L A Y O U T

### WEEK 1

Methods of knowing: tenacity, authority, priori, science; Research definitions and characteristics; Communication and other branches of social sciences; Major landmarks of communication research; Communication research in India.

### Week 2

Nature and scope of communication research; Research universals: data, concepts, constructs, variables; Types of variables: independent variables, dependent variables, extraneous variables, discrete variables and continuous variables; Levels of measurement- nominal, ordinal interval and ratio.

### WEEK 3

Research areas: source, message, channel, receivers and effects; Content analysis; Types of research: Qualitative and Quantitative research; Pure research and Applied research; Descriptive research, Exploratory research, Correlation research, Explanatory research; Historical research, Ex-post facto research, Experimental research

### WEEK 4

Steps in research process; Step 1: Arriving at a research problem; an idea/topic; concretising the idea and finalizing research problem; Considerations in problem selection: Interest, relevance, significance, and cost and time factors. Research process

Step 2: Review of literature; Step 3: Formulating study objectives, research questions, hypothesis – research hypothesis and null hypothesis/alternative hypothesis; Research proposal

### WEEK 5

Research process- Step 4.1: Selecting a research design; Types of research designs; one -shot design, before-and-after design, longitudinal design; retrospective design, prospective design, retrospective-prospective design

### WEEK 6

Research process- Step 4.2: Experimental designs; Experimental design essentials: random assignment, manipulation of independent variables; Control group and experimental group;

Types of experiments – Field experiments, Lab experiments; Types of experimental designs: Single group design, two group design, Solomon four-group design

#### WEEK 7

Research process- Step 5.1: Population and samples; Sampling methods: Probability and probability sampling procedures – Simple random sampling, Stratified random sampling, Cluster sampling, Systematic sampling Research process- Step 5.2: Non-probability sampling methods: Convenience/accidental sample, Quota sampling, Snowball sampling, Mixed sampling methods; Characteristics of samples; Sample size adequacy; sampling error.

#### WEEK 8

Research process- Step 6.1: Data collection methods for qualitative studies: In-depth analysis of documents; Observation of events, groups/communities; in-depth interviews; textual analysis/ qualitative content analysis, Research process- Step 6.2: Data collection methods for quantitative studies: Observations, Interviews and surveys; Quantitative data collection tools: Observation schedules, Interview schedules, Questionnaires; Types of questions; Consideration in framing questions.

#### WEEK 9

Research process- Step 6.3: Scales: Thurstone scales, Guttman scale; Likert scale; Semantic Differential scale; Reliability and validity of measures, Research process- Step 6.4: Quantitative content analysis; Sample for content analysis; categorising the content; coding of content, Inter coder reliability/consistency.

#### WEEK 10

Research process- Steps 7.1: Quantitative statistical analysis: Descriptive statistics- frequencies, percentages; simple and grouped frequency distribution; Graphic presentations – pie chart, bar graph, frequency polygons; Symmetrical and skewed distribution.

#### WEEK 11

Research process- Steps 7.1: Measures of central tendencies: Mode, Median, Mean; Measures of variability: Range, Mean, Standard deviation. Research process- Steps 7.2: Normal curve and its properties; Sampling error, levels of significance, P value.

#### WEEK 12

Research process- Steps 7.3: Inferential statistics – Parametric and non-Parametric statistics; Chi-square test; Student's t- Test; Analysis of Variance; Basics of Factor Analysis.

#### WEEK 13

Research process - Steps 7.4: Inferential statistics – Pearson and Spearman Correlation coefficient tests; Regression.

[\(Back to Index\)](#) [\(Back to Agenda\)](#)

#### WEEK 14

Research process - Steps 7.5: Statistical software usage procedure; data entry and data editing, analysis of data and interpretation of results output.

#### WEEK 15

Research process- Steps 8: Reporting the findings; Thesis, Chapterization of thesis; Research reports; Research papers for publications; Footnotes, end notes; Reference styles –, APA, MLA Chicago; Harvard. Ethics in media research.

#### BOOKS AND REFERENCES

1. Berger, A. A. (2013). Media analysis techniques. SagePublications.
2. Creswell, J. W. (2013). Research design: Qualitative, quantitative, and mixed methods approaches. Sagepublications.
3. Kerlinger, F. N. (1979). Behavioral research: A conceptual approach. HarcourtSchool
4. Lowery, S., &DeFleur, M. L. (1995). Milestones in Mass Communication Research: MediaEffects.
5. Stempel, G. H., &Westley, B. H. (1989). Research methods in mass communication. PrenticeHall.
6. Wimmer, Roger, and Joseph Dominick. (2013). Mass media research. Cengagelearning.

#### COURSE CERTIFICATE

“30 Marks will be allocated for Internal Assessment and 70 Marks will be allocated for external proctored examination”

Sr. No	Course Title	Resource Person	Institute	Level	Duration	Start Date	End Date	Exam date	Enrolment ends	Link
2	Academic Writing	Dr Ajay Semalty	HNB Garhwal University (A Central University) Srinagar	Under Graduate / Post Graduate	15 weeks	20 Jul 2020	30 Nov 2020		14 <sup>th</sup> Oct 2020	<a href="https://onlinecourses.swayam2.ac.in/cec20ge29/preview">https://onlinecourses.swayam2.ac.in/cec20ge29/preview</a>

			Garhwal (Uttarakhand)						
--	--	--	--------------------------	--	--	--	--	--	--

[\(Back to Index\)](#) [\(Back to Agenda\)](#)

## Objectives of Course

Upon completing the course, one would be able

1. To differentiate between various kind of academic writings.
2. To identify and avoid the plagiarism.
3. To practice the basic skills of performing quality literature review.
4. To practice the basic skills of research paper, review paper and thesis writing.
5. To target the research work to suitable journal and communicate for publication
6. To practice the Time and team management.
7. To practice digital writing or develop Open Educational Resources(OER).
8. To write research proposals, conference abstract and book chapters/ book proposals.

## Target Group

Any student or learner who wants to learn the academic writing. The course shall be helpful for PG students, research scholars, young scientists and faculty members (of any discipline or subject) for their career growth.

## INSTRUCTOR BIO

Dr Ajay Semalty

HNB Garhwal University (A Central University) Srinagar Garhwal (Uttarakhand) M. Pharm. (Pharmaceutics), MBA (Operations Management); Ph. D., PDF Meijo University, Japan; Academic and research experience of 16 Yrs and 1 yr Industrial Experience; Completed 10 research projects funded by various agencies; Successfully developed and run two SWAYAM MOOCs (Academic Writing and Industrial Pharmacy I) with 80 hrs of Teaching Learning Materials including more than 40 hrs of video lectures; Contributed 4 e-modules for ARPIT course of GJU Science & technology Hisar; Published 74 papers, 6 books (including the best seller "Essentials of Pharmaceutical Technology" by Pharma Med Press), 2 patents (01 granted).

He has presented papers in more than 100 conferences; Highly cited researcher of the field (h index 23); Awarded Daiko Foundation Post-Doctoral Research Fellowship and invited by Meijo University, Nagoya, Japan as visiting scientist for research for FY 2011-12; Awarded with the prestigious national Research Award by UGC, New Delhi and Young Scientist Award of the year 2007 by Uttarakhand Council of Science & Technology (UCOST); Expert reviewer of Iceland

Research Foundation Iceland; Israel Science Foundationn (ISF) Israel and Scientific Expert (REPRISE) for Ministry of Institution and University Research (MIUR), Italy.

Delivered more than 40 invited lectures (on Open Educational Resources (OERs), Academic writing, Nanoparticle research, Research methodology, Research ethics, Software in research, MOOC, blended/ flipped learning, research proposal writing, academic integrity, plagiarism etc.) in various training programs in Faculty Development Centers (FDCs), Human Resource Development Centers (HRDCs) and other institutions.



He is member of The Asian Council of Science Editors, APTI and IPA; Editorial Board Member and Peer reviewer of various national and International reputed journals; The University SWAYAM Coordinator of Garhwal University; Supervised 20 M. Pharm research projects; Research interest include cyclodextrin and lipid complexes, Small angle neutron scattering (SANS), nanoparticles, natural products for drug delivery like obesity and hairloss.

## **C O U R S E L A Y O U T**

### **Course Duration 15 week**

#### **Week 1**

Academic & research writing: Introduction; Importance of academic writing; Basic rules of academic writing

#### **Week 2**

English in academic writing I & II; Styles of research writing

#### **Week 3**

Plagiarism: Introduction; Tools for the detection of plagiarism; Avoiding plagiarism

#### **Week 4**

Journal Metrics

#### **Week 5**

Author Metrics

#### **Week 6**

Literature review: Introduction, Source of literature; Process of literature review

#### **Week 7**

Online literature databases; Literature management tools

#### **Week 8**

Review Paper Writing, I & II

Week 9

Research paper writing I, II, III

Week 10

Referencing and citation; Submission and; Post submission

Week 11

Thesis Writing I, II & III

Week 12

Empirical Study I, II & III

Week 13

Challenges in Indian research & writing; Team management (mentor and collaborators); Time Management

Week 14

Research proposal writing; Abstract/ Conference Paper/ Book/ Book Chapter writing; OERs: basic concept and licenses

Week 15

Open Educational Resources (OERs) for learning & Research; OERs development I & II

### **BOOKS AND REFERENCES**

Given in each modules' content.

[\(Back to Index\)](#) [\(Back to Agenda\)](#)

### COURSE CERTIFICATE

30 Marks will be allocated for Internal Assessment (assignment/ discussion forum/ activity) and 70 Marks will be allocated for external proctored examination. 40 % minimum passing marks are needed in internal as well as external for being eligible for certificate.

Sr. No	Course Title	Resource Person	Institute	Level	Duration	Start Date	End Date	Exam date	Enrolment ends	Link
3	Early Childhood Care and Education (ECCE)	K.Arockia Maria Chelvi	Avinashilिंगam Institute for Home Science & Higher Education for Women, Coimbatore	Post Graduate	15 weeks	02 Jul 2020	14 Dec 2020	15 Nov 2020	14 <sup>th</sup> Oct 2020	<a href="https://onlinecourseswayam2.ac.in/ce20 ed18/preview">https://onlinecourseswayam2.ac.in/ce20 ed18/preview</a>

Early childhood is a period that covers the first six years of a life of a child, wherein their brain grows at an extraordinary speed. The synaptic connections to the brain are made by the experiences that a child draws from his/her environment. Hence the environment of every child should be enriched with powerful experiences to lay a stronger foundation and thereby fostering the holistic lifelong development. Early childhood care and education is a multidisciplinary field that relies on insights from several fields like human development, psychology, sociology, and medicine, particularly neuroscience. Having said the importance of the lifespan stage - the early childhood and the magnitude of the care and education components of it, this credit course on Early childhood care and education serves as a curriculum framework for children from birth to six years. It aims to provide information for the adults to plan and provide enjoyable learning experiences so that every child grows and develops as a competent and confident learner. The curriculum describes the theoretical underpinnings of learning and development of children at their early years and offers strategies and suggestions of how this learning can be nurtured. Also it intends to provide guidelines on supporting children's learning through partnership with parents, interaction with others, play and assessment.

The course provides a platform for the learner to explore and reflect the above said aspects by using multiple pedagogical techniques such as assignments, discussions, designing portfolio and first-hand experience as an intern, thereby encouraging you to be an effective ECCE provider.

## **I N S T R U C T O R B I O**



**K .ArockiaM arai c helvi**

**Avinashilingam Institute For Home Science & Higher Education For Women,Coimbatore**

K.ArockiaMaraichelvi, with a 15 years of teaching experience in the field of Human Development has specialized in the Early Childhood Domain. She is a proud recipient of UGC Research award (2012-2014), International Young Scientist Award (2016) and Kusuma Young Researcher Award (2009). Dr.Maraichelvi, Coordinated the MOOC course on Early Childhood Care and Education (ECCE) and the course is listed in Top 30 online courses of 2019 on Class Central and is one among the top 6 Indian courses on Class Central.

[\(Back to Index\)](#) [\(Back to Agenda\)](#)

## **C O U R S E L A Y O U T**

### **Week - 1**

1. ECCE in India
2. Principles of growth and development and interrelatedness of the domains of development
3. Brain development in early years

### **Week - 2**

1. Theoretical foundations and its implications towards learning and development in early years - Behaviourism and social learning
2. Theoretical foundations and its implications towards learning and development in early years – Piaget's Cognitive developmental theory
3. Theoretical foundations and its implications towards learning and development in early years – Information processing and Gardner's MI

### **Week - 3**

1. Theoretical foundations and its implications towards learning and development in early years - Ecological and socio-cultural perspective
2. Objectives and Principles of ECCE

1. ECCE concerns

### **Week - 4**

1. Concept, meaning and benefits of play
2. Types of play and its values - Part 1
3. Types of play and its values - Part 2
4. Learning and developing holistically through play

### **Week - 5**

1. Curriculum of play way approach – supporting communication skills
2. Curriculum of play way approach – supporting early literacy and numeracy
3. Curriculum of play way approach – supporting reading skills

### **Week - 6**

1. The planning process – Long term, medium term and small term
2. The planning process - Reviewing and evaluating planned themes and activities

### **Week - 7**

1. Setting up early learning environment – indoor

2. Setting up early learning environment –outdoor
3. Meaning and concept, general types of pedagogical techniques and strategies

#### Week - 8

1. Pedagogy in relation to ECE – Positioning, Empowering, Scaffolding
2. Pedagogy in relation to ECE – Co-constructing, Modelling, Questioning
3. Pedagogy in relation to ECE – Encouraging and praising, Problem solving, Documenting

#### Week - 9

1. Guiding principles and suggestive developmentally appropriate practices for birth to three years – Part 1
2. Guiding principles and suggestive developmentally appropriate practices for birth to three years – Part 2

#### Week - 10

1. Guiding principles and suggestive developmentally appropriate practices for three to six years – Part –1
2. Guiding principles and suggestive developmentally appropriate practices for three to six years – Part –2

#### Week - 11

1. Recognizing dispositions, skills, attitudes, knowledge and understanding of children
2. Creating a strong emotional foundation

#### Week - 12

1. Principles of assessment
2. Why, what, and when to assess
3. Assessment tools and strategies

#### Week - 13

1. Key people in the assessment process – ECCE provider
2. Key people in the assessment process – Parents and family
3. Assessment information – Planning the next step in learning

#### Week - 14

1. Meaning and importance of effective transition
2. Strategies to promote effective transition- to enable the child to be ready to learn

#### Week - 15

1. Strategies to promote effective transition- to facilitate parent to support child's transition
2. Strategies to promote effective transition- to assist the school to be ready for the child

**BOOKSANDREFERENCES**

- Sue Bredekamp (2014), Effective Practices in Early Childhood Education: Building a Foundation (3rd Edition), Pearson Publications
- Developmentally Appropriate Practice in Early Childhood Programs Serving Children from Birth through age eight,3rd Edition, Editors - Carol Copple and SueBredekamp
- Kaul. V., (2009). “Early Childhood Education Programme”. National Council of Educational Research and Training, New Delhi.

**COURSECERTIFICATE**

30% for in course Assessment & 70% of end term Proctored Exam

[\(Back to Index\)](#) [\(Back to Agenda\)](#)