

# Professor G Ram Reddy Memorial Lecture

## Dr B R Ambedkar Open University

### Open Universities and Education 4.0

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B. Shadrach

Director, Commonwealth Educational Media Centre for Asia

12 January 2024

# Agenda

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Tribute to Professor G Ram Reddy

Open and Distance Learning- Journey

Open Universities in current times

Education 4.0 Framework

Open Universities and Education 4.0



# 1. Professor Ram Reddy

## G. Ram Reddy

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From Wikipedia, the free encyclopedia

**Professor G. Ram Reddy** (December 4, 1929 – July 2, 1995) was a renowned architect of [Distance Education](#) and the father of open learning in [India](#).

### References [\[edit\]](#)

- 20th Century Luminaries of Andhra Pradesh, Potti Sriramulu Telugu University, Hyderabad, 2005.

### External links [\[edit\]](#)

- [Memorial in Commonwealth of Learning](#) [↗](#) at the [Wayback Machine](#) (archived November 20, 2008).
- [Osmania University Centre for Distance Education official website.](#) [↗](#)

### G Ram Reddy

#### University Grants Commission

In office

1990–1995

#### 1st Vice Chancellor of the Indira Gandhi National Open University

In office

1985–1990

Succeeded by [V C Kulandaiswamy](#)

#### 1st Vice Chancellor of the Andhra Pradesh Open University

In office

1982–1985

#### 12th Vice Chancellor Osmania University

In office

1977–1982

#### 1st Chairman Social Sciences Research Council

In office

1969–1974

#### Personal details

**Born**  
December 4, 1929  
Mylaram, [Nizam's Dominion](#)  
present day [Karimnagar district](#), [Telangana India](#)

**Died**  
2 July 1995 (aged 65)  
[London, UK](#)

## 2. Open and Distance Learning progress thus far



**First era - 1960s-80s**

Second era - 1980s-1990s

Third era - 1990s - 2010s

Fourth era - 2010s - 2020s



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**Fourth era - 2010s - 2020s**





# Ahmedabad Declaration and the NEP 2020

## 3. **Open Universities in current times**



# 4. Education 4.0 Framework



## The World Economic Forum's Education 4.0 Framework

Content (built-in mechanisms for skills adaptation)



### Global citizenship skills

To include content that focuses on building awareness about the wider world, sustainability and playing an active role in the global community.



### Innovation and creativity skills

To include content that fosters skills required for innovation, including complex problem-solving, analytical thinking, creativity and system-analysis.



### Technology skills

To include content that is based on developing digital skills, including programming, digital responsibility and the use of technology.



### Interpersonal skills

To include content that focuses on interpersonal emotional intelligence (i.e. empathy, cooperation, negotiation, leadership and social awareness).

Experiences (leveraging innovative pedagogies)



### Personalized and self-paced learning

From a system where learning is standardized, to one based on the diverse individual needs of each learner, and flexible enough to enable each learner to progress at their own pace.



### Accessible and inclusive learning

From a system where learning is confined to those with access to school buildings to one in which everyone has access in learning and is therefore inclusive.



### Problem-based and collaborative learning

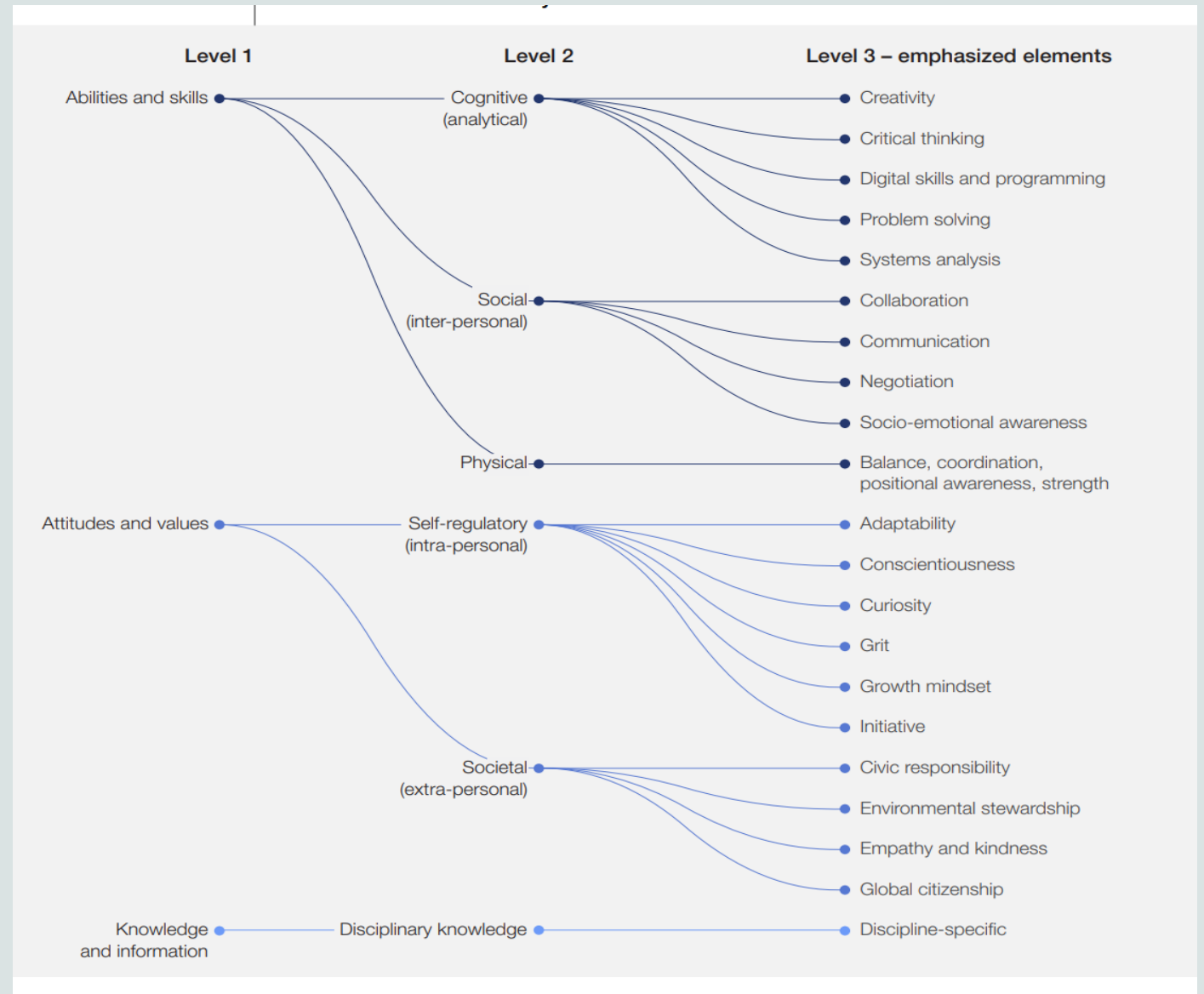
From process-based to project and problem-based content delivery, requiring peer collaboration and more closely mirroring the future of work.



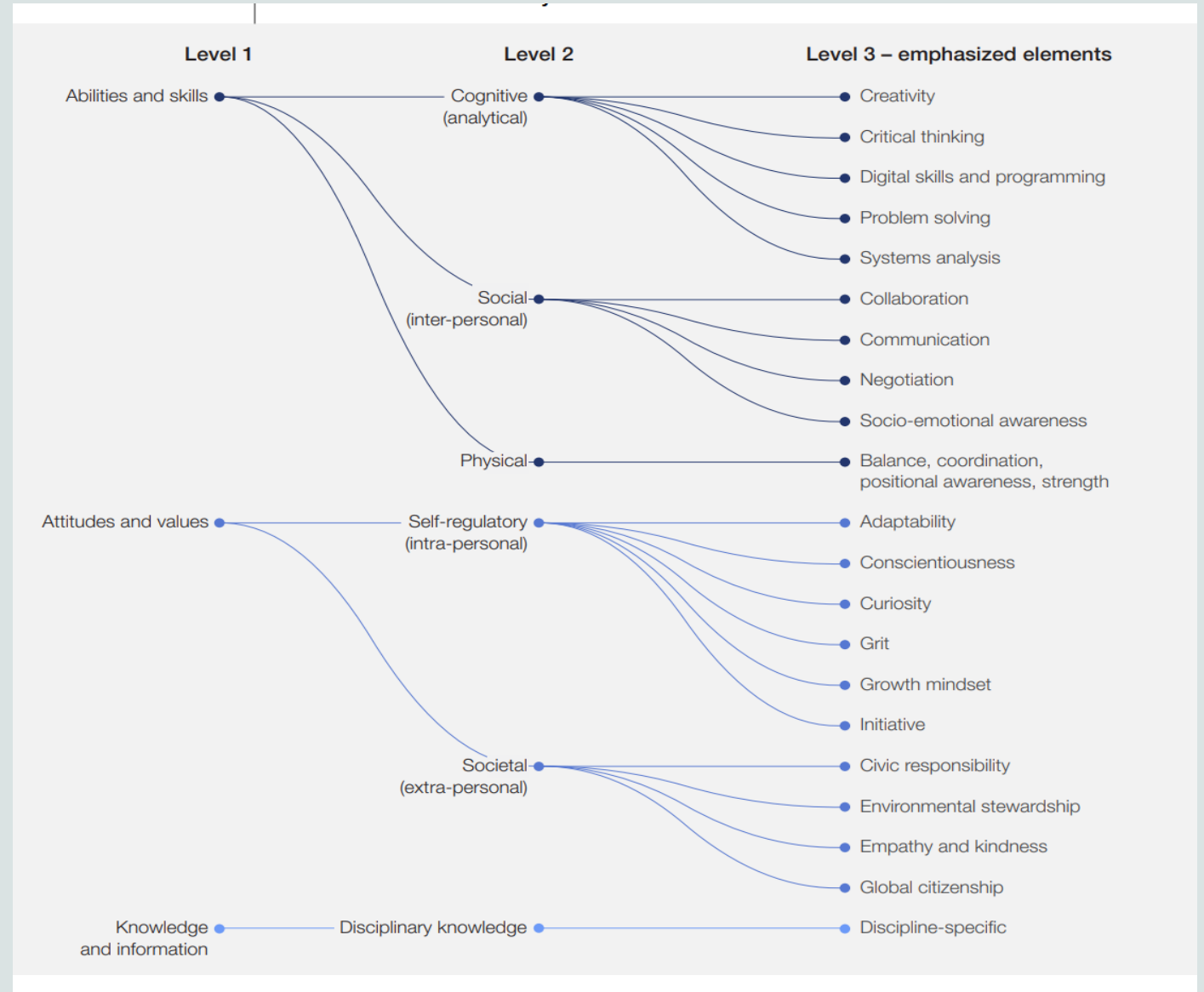
### Lifelong and student-driven learning

From a system where learning and skilling decrease over one's lifespan to one where everyone continuously improves on existing skills and acquires new ones based on their individual needs.

# 4. Education 4.0 Framework



# 4. Education 4.0 Framework



## 5. Open Universities and Education 4.0

- Effective learning requires a comprehensive approach that involves appropriate curriculum, engaging pedagogy, continuous formative assessment, and adequate student support. The curriculum must be interesting and relevant, and updated regularly to align with the latest knowledge requirements and to meet specified learning outcomes. High-quality pedagogy is then necessary to successfully impart the curricular material to students; pedagogical practices determine the learning experiences that are provided to students, thus directly influencing learning outcomes. The assessment methods must be scientific, designed to continuously improve learning and test the application of knowledge. Finally, the development of capacities that promote student wellness such as fitness, good health, psycho-social well-being, and sound ethical grounding are also critical for high-quality learning. - NEP 2020

## 5. Open Universities and Education 4.0

- Our OU faculty members should know to embed the Education 4.0 recognised abilities and skills in their teaching and learning processes, in their delivery methods, in their content and curriculum and in their practical orientation while imparting education to their learners.
- To repeat, these abilities and skills are largely defined as cognitive, social, and physical skills leading to acquiring the following skills in the long run. The cognitive skills imparted through education can lead to the aspects of creativity, critical thinking, digital skills programming, problem solving and systems analysis. Social skills imparted through education can lead to the aspects of collaboration, communication, negotiation, socio-emotional awareness, and the Physical skills can lead to balance, coordination, positional awareness, and strength.
- Attitudes and values are largely defined as self-regulatory and societal skills. In other words, these are referred to as intra-personal and extra-personal skills. While the intra-personal self-regulatory skills lead to adaptability, consciousness, curiosity, grit, growth mindset and take initiatives, the extra-personal societal skills lead to civic responsibility, environmental stewardship, empathy, kindness, and global citizenship.

# Timeline

01

Professor G Ram Reddy and his vision

02

Open and Distance Learning - progress thus far

03

Open Universities in current times

04

Education 4.0 Framework - for human agency

05

Open Universities and Education 4.0



Thank you

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[www.cemca.org](http://www.cemca.org)



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