

Tuning INDIA
Fourth General Meeting

Revised Meta–Profile

ICT

Presented by

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Under the Guidance of

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Members

- Dr. Arun Kharat, Dr. Girish Nath Jha and Dr. Rabikesh Kumar, Jawaharlal Nehru University
- Dr. Nabendu Chaki, Dr. Rituparna Chaki and Dr. Sankhayan Choudhury, University of Calcutta, India
- Dr. Pradeesha Ashok, IIT- Bangalore, India
- Dr. Preetham Kumar and Dr. Sanjay Manipal Academy of Higher Education, India
- Dr. Subhashis Majumder and Dr. Sujay Saha, Heritage Institute of Technology, India
- Dr. Dileep Kumar Singh and Dr. Prashant Shukla Jagran Lakecity University

Competencies agreed in 1st GM, Bangalore

- **30** Generic competencies agreed mutually in the First General Meeting of TI at Bangalore which are common to all the groups.
- There were **15** Specific competencies identified in the First General Meeting.

Metaprofile: ICT (after the 2GM)

Communication
S14
G10,14

**Knowledge &
Theoretical
Concepts**
S1,5
G1

**Analysis,
Problem
Solving &
Design**
S2,3,5,8,11,13
G1,4,7,16,18,21,24,
26

**Development,
Deployment &
Maintenance**
S6,7,8,9,10,11,
13
G4,17,18,21,24,26,
30

**Professional
Ethics &
Societal
Responsibilities**
S4,7,12

**Life Long
Learning**
G1,6,17,21,2
9

**Teamwork,
Interpersonal &
Management skills**
S9,10,11
G5,8,9,15,19,20,25,28,
30

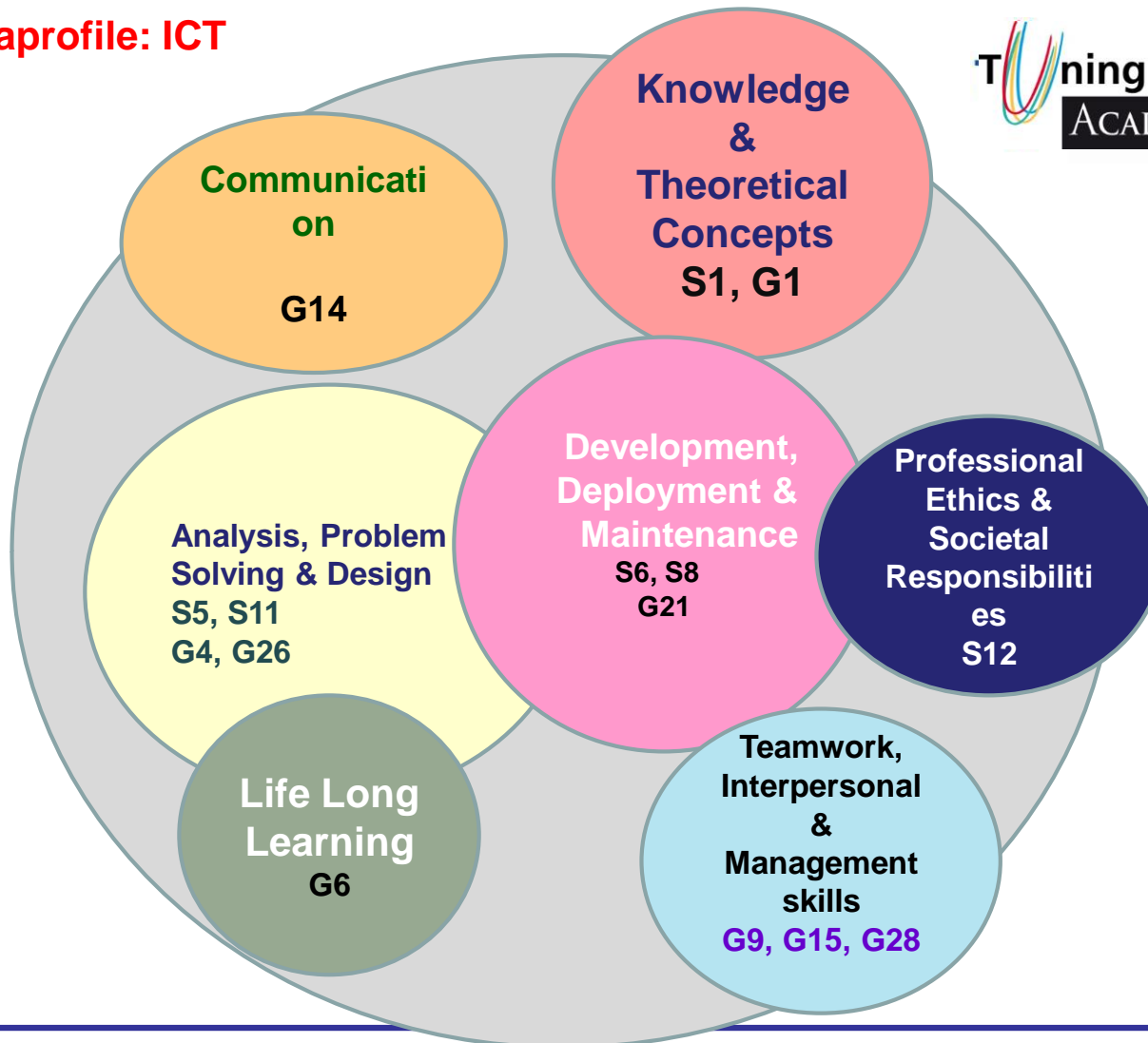
Points Discussed in 4GM



- Discussed on Students' Guide and Assessment process.
- Revised the meta-profile and agreed upon the **6** Specific competencies and **9** Generic competencies that will remain in the meta-profile.

Clusters	Generic Competencies	Specific Competencies
Knowledge & Theoretical Concepts	G1: Ability to do research	S1: Applying knowledge of mathematical principles, algorithms and computer sciences to understand and solve problems
Analysis, Problem Solving & Design	G4: Ability to apply knowledge in practical situations G26: Ability to use available resources optimally and efficiently	S5: Design of ICT systems, including modelling (formal description) of their structure and processes S11: Identify security threats and provide effective methods for information security
Development, Deployment & Maintenance	G21: Be adaptable to emerging trends	S6: Deploy, install, integrate, put into service and maintain ICT systems and their elements S8: Develop ICT systems in compliance with industry specifications, standards and recommendations
Communication	G14: Ability to communicate effectively	
Teamwork, Interpersonal & Management skills	G9: Have good interpersonal skills G15: Ability to work as a team G28: Have organizational and managerial skills	
Professional Ethics & Societal Responsibilities		S12: Understanding and applying ethical, legal, economic and financial concepts in order to take decisions and manage ICT projects
Lifelong learning	G6: Be a life-long learner	

Metaprofile: ICT



Plan of implementation

University of Calcutta Tuning

- Revisions in the 10-point action plan is to be done keeping in mind the **9** Generic competencies and **6** specific competencies identified during 4GM in Kolkata.
- The course on **Database Management Systems** in the *M.Tech.CSE* program is identified for implementation in CU
- The revised curriculum, students' guideline, etc, will be placed in the appropriate academic committee meetings in the University for adaptation from July 2020 academic year
- The students' workload survey to be done by 15th Jan,2020.



Heritage Institute of Technology



Implementation plan before the 5th General Meeting for the program - M. Tech in Computer Science and Engineering

- Will update the degree template (according to the 10-point action plan) on the basis of the modified meta-profile that will now contain the **9** Generic competencies and **6** specific competencies identified during 4GM in Kolkata.
- We will use the course on **Advanced Algorithms** and/or **Theory of Computation** (in the 1st year, 2nd semester) for preparing the sample student learning guide
- The students' workload survey will be done in the coming semester that starts in January 2020

Jagran Lakecity University ning

- Course Name on which planning to implement:
 - B Tech (Hons.) CSE with Specialization in AI
 - 4 Year Degree Program, under Computer Science & Engineering
- As in 4th general meet the ICT meta profile are corrected and revised, It is required to re-tune and update the 10 steps.
- Before the 5th general meet, we will prepare the revised 10 steps along with the student guide for at-least one course as it is the minimum requirement for Tuning Project.
- Will prepare the differences between the old and new program structure.
- Will complete the students work load with survey by 20th Jan 2020.
- Will start the implementation with the approval of authorities & academic bodies of the university from the session of July 2020.

Manipal Academy of Higher Education



Implementation plans :

- 10 Point Degree Programme document which was submitted on September 2, 2019 will be modified and submitted by January 15, 2020.
- Student learning guide will be provided for a subject before 5th General meeting.
- We will incorporate 10 Point Degree Programme template for the new Masters programme that we plan to introduce in July 2021 in our Department.

Thank You

