



IBM INNOVATION CENTRE FOR EDUCATION (IBM ICE) PROGRAMS

(An Overview & Benefits of Partnering with IBM - for the Institute, Teachers & Students)



**IBM Innovation Centre for Education Programs for Higher
Education Institutes**

Even as technology changes to keep up with the needs of a changing world, Computer Science programs are often out-of-date, and in some cases, obsolete. Students thus need significant training after employment before they can be deployed and contribute to the employer business.

Keeping this crucial need in mind IBM Innovation Centre for Education was launched in 2010 as a 'unique global initiative' by IBM, to offer much needed **applied information technology knowledge to graduating students**, in various dominant/ futuristic technologies and in-demand industry domains.

IBM Innovation Centre for Education's cutting-edge programs are delivered in collaboration with **Education Institutes** with **IBM** as the **Knowledge Partner** for emerging technologies as well as in-demand industry domains and **Education Institutes** as the **Academic Partners**.

From being the innovator of technology & solutions since 1911 coupled with 28 years of global leadership in research & development AND above all over 76 years of continued deep association with Academia; IBM has once again committed itself to address this complex issue. Way back in 1960, IBM had the foresight to design, develop and present to the world the 'Discipline of Computer Science', hence at IBM we felt responsible for addressing this need of the hour through a unique & innovative Academic Partnership initiative- **IBM Innovation Centre for Education**.

IBM Innovation Centre for Education has been preparing the next generation of professionals through:

- Industry aligned Curriculum **as per NEP Norms**.
- Unique 'best in class & in-depth learning content on emerging technologies along with business domains.
- Handholding of students to attain skills by IBM Trained & Certified faculty along with Technology & Business Domain Experts.
- Continuous Industry interactions.
- Strong emphasis on Projects, Labs and Case Study based learning.
- Intuitive online delivery platform- 'Industry-Academia Collaboration Framework' which encourages students to Learn, Collaborate and Discover.
- Encourage students to participate in Intra-college, inter-college and global competitions.

Upon successful completion of the IBM Programs, students shall receive Globally Recognized IBM Digital Badge, in addition to the Degree offered by Academic Partner's Institute.

IBM Innovation Centre for Education Programs on Emerging Technologies & -in-demand industry domains:

SPECIALIZATIONS OFFERED ARE

TECHNOLOGY TRACKS

- Cloud Computing & Virtualization
- Data Science/Business Analytics
- Open Source Software & Open Standards
- Mobile Computing
- Cyber Security & Forensics
- Mainframe Technology
- IT Infrastructure Management
- Graphics & Gaming Technology
- Internet of Things (IOT)
- Artificial Intelligence and Machine Learning (AI/ML)
- Blockchain

INFORMATION TECHNOLOGY FOR BUSINESS DOMAINS

- Telecom Informatics
- Oil & Gas Informatics
- Banking, Financial Services & Insurance Informatics
- eCommerce & Retail Informatics
- Healthcare Informatics
- Manufacturing Informatics

IBM INNOVATION CENTRE FOR EDUCATION PROGRAM OFFERINGS

UNDERGRADUATE PROGRAM (4 YEARS):

- **Program Duration: 4-years**
 - Number of subjects taught over 7/8 semesters: 8 subjects.
 - Projects: 1 Major Project.
 - Teach Time: About 350 hours
- **Ideal for Integrated B.Tech (CSE/IT/ECE/EEE) & similar engineering branches.**
- **Type of curriculum alignment:**
 - Integrated with curriculum
- **Type of IBM Digital Badge:**
 - Graduate Badge on successful completion of the program.

UNDERGRADUATE PROGRAM (3 YEARS):

- **Program Duration: 3-years**
 - Number of subjects taught over 6 semesters: 6 subjects.
 - Projects: 1 Major Project.
 - Teach Time: About 250 hours
- **Ideal for Integrated B.Sc/BCA & similar 3 year programs.**
- **Type of curriculum alignment:**
 - Integrated with curriculum.
 - Can be offered as an elective in exceptional cases
- **Type of IBM Global Badge:**
 - Diploma + Certificate Badge on successful completion of the program.

DIPLOMA PROGRAM (2 YEARS):

- **Program Duration: 2 Years.**
 - Number of subjects taught over 4 semesters: 4 subjects.
 - Projects: 1 Major Project.
 - Teach Time: About 200 hours
- **Ideal for:**
 - MBA/B.Tech(Non-CS Branches)/B.Sc/BCA/B.Com/M.SC/MCA & similar 2/3/4 year programs.
- **Type of curriculum alignment:**
 - Integrated with curriculum.
 - Can be offered as an elective in exceptional cases.
- **Type of IBM Digital Badge:**
 - Diploma Badge on successful completion of the program.

ADVANCED CERTIFICATE PROGRAM (1 YEAR):

- **Program Duration: 1 year**
 - Number of subjects taught over 2 semesters: 3 subjects.
 - Projects: 1 Major Project.
 - Teach Time: About 120 hours
- **Ideal for any 3-year graduate & 2-year diploma programs.**
- **Type of curriculum alignment:**
 - Integrated with curriculum.
 - Can be offered as an elective in exceptional cases.

Inviting select Education Institutes to become an IBM Innovation Centre for Education Academic Partnership

Every year only a select number of education institutes are invited to partner with IBM for this initiative. Thousands of students studying in many education institutes in India & abroad have benefitted from IBM Innovation Centre for Education Programs.

Who can become an IBM Innovation Centre for Education Academic Partner?

- Any Education Institute recognized by UGC/AICTE/Equivalent body.

How to become an IBM Innovation Centre for Education Academic Partner?

- Share Institute Profile Sheet through IBM Innovation Centre for Education Authorized Business Partner for becoming an IBM Innovation Centre for Education Academic Partner.
- IBM team shall interact with the institute and upon successful mutual agreement the partnership process shall get initiated.

How many institutes will be made IBM Innovation Centre for Education Academic Partner?

- IBM Innovation Centre for Education Program is a prestigious program & not a 'mass partnership' program. While no Academic Partner is appointed as an exclusive partner, however care is taken that a limited number of Academic Partners are appointed in a geographical location.
- Since 2010, IBM has appointed limited number of Education Institutes as IBM Innovation Centre for Education Academic Partners.

Inviting select Education Institutes to become an IBM Innovation Centre for Education Academic Partnership

IBM Academic Partner is beneficiary on many counts. As part of the IBM Innovation Centre for Education Academic Partner Program, besides offering 'in-demand industry-required' courses, IBM Innovation Centre for Education shall provide the following critical support:

- **Management Council Meetings.**
 - Put to maximum use its global expertise and global experience to co-conceptualize and co-create the vision, mission, strategies, plans, policies and processes of the said IBM Innovation Centre for Education Academic Partner during the periodic Management Council Meetings.
- **Marketing, Admission Counselling Training programs**
 - IBM shall bring in its expertise and experience in this field and also support by providing marketing collateral designs and a structured training programs for the marketing, admissions and counselling teams.
- **Digital Recruiters Meet**
 - Support in educating prospective recruiters through the meet to be hosted and organized by the education institute.
- **IBM Innovation Centre for Education Program Logo / Brand Agreement:**
 - Provisioning to use the IBM Innovation Centre for Education Program logo by the Academic Partner for marketing of IBM collaborated programs.
- **Co-creating Curriculum Structure:**
 - IBM Subject matter experts and IBM Innovation Centre for Education Academic Partner's Academic Team, together discuss / design and finalize programs' curriculum structure.
 - Support the Academic Team during the approval process of Board of Studies/Academic Council.
- **Train the Teachers' program:**
 - This program conducted by IBM experts for selected faculty from IBM Innovation Centre for Education Academic Partner who will be certified by IBM to ensure smooth transition and management to the new curriculum.
- **Lab Support:**
 - IBM's/Industry Lab experts shall guide while setting up the required Labs.

IBM Innovation Centre for Education in collaboration with it's Academic Partners is preparing the next generation of professionals to be future ready:

IBM through its 'unique global initiative' offers the much-needed applied information technology knowledge to graduating students to make them industry ready through a structured learning pathway and a well-planned learning methodology executed through the below stated unique time-tested initiatives:

- **Students engagement model:**
 - Students are handheld to attain skills by IBM Trained & Certified faculty along with Technology Experts.
- **In-depth and applied courseware exclusively available to IBM students at the Academic Partner's Institute as per NEP Norms:**
 - The applied courseware has been developed exclusively for Innovation Centre for Education Students by industry experts and with inputs from IBMers across the world.
- **Vibrant Concurrency of Courseware:**
 - This is one of the key advantages of IBM partnership. The support comes from the IBM Labs and other connected groups which are doing leading work in emerging technology areas.
 - The courses gets reviewed and adjusted at periodic intervals for their concurrency.
- **Access to world class e-learning ecosystem:**
 - Next Generation ecosystem learning platform which will benefit faculties & Students to access the courseware and collaborate with industry experts.
- **Project and Lab based learning combined with Instructor led classroom training:**
 - Focus on projects and applied learning shall be offered from the very beginning. Theory courses shall be augmented by adequate project and applied work, which will help the students apply the knowledge they gain in classroom.
- **Subject Matter Experts Visits & Interaction:**
 - These Subject Matter Experts' Interactions helps students to learn and understand the application of the technology for various industry domains.
 - There will be adequate interaction planned during these visits so that it becomes an interactive learning experience for the students.
 - This shall be part of the Innovation Centre for Education's futuristic online delivery framework –encouraging the concept of 'Learn, Collaborate and Discover'
- **A competitive edge over other students & to better equipped during Interviews, Internships and during International Contests:**
 - IBM shall organize IBM Innovation Centre for Education Days where students learn to collaborate and compete through Technical Poster Competitions, Hackathons, Technical Paper Presentations and Project Presentations.
 - These competitions are conducted for intra-college, inter-college & inter-country.
 - Learning through collaboration and competition on Innovation Centre for Education Days.
- **Globally Recognized Digital Badge for Students from IBM in addition to the Degree offered by Academic Partner's Institute:**
 - The coveted IBM Digital Badge directly issued by IBM directly to all graduating students.
- **Availability of Mentors to IBM Innovation Centre for Education Students at Academic Partner's Institute:**
 - Senior Industry Experts periodically guide and mentor the students for additional and expert knowledge.
- **Industry Updates & Webinars:**
 - Timely updates from industry mentors and from IBM's experts shall be made available to IBM Innovation Centre for Education students of Academic Partner's Institute.
- **Online / Offline Discussions Forums:**
 - The learning will be further enhanced by providing adequately structured discussion forums against relevant topics / subjects.
 - Access to IBM Red books and other online resources
- **Quality Management Systems & Practices:**
 - IBM shall constantly monitor and advise in implementing global best practices at Academic Partner's Institute to ensure that the best value of learning delivered to the students.



To offer IBM Innovation Centre for Education Programs to your students do connect with IBM Innovation Centre for Education Authorized Partner.

CADMAXX SOLUTIONS PVT LTD

Authorized Partner of

**IBM INNOVATION CENTRE FOR EDUCATION
(IBM ICE)**

Mobile number: 98444 81112, 76205 34337
Email-id: UmeshRR@cadmaxx.com / Dinesh.Biradar@cadmaxx.com
Website: www.cadmaxx.com