Quality Focused
ICT Tools for HEIs

Distilled from the expertise and experience of a stellar academic panel, we ipsr solutions limited is offering quality-focused software products and services for Universities and Higher Educational Institutions.

Created by academicians for academicians

Academic Solutions from IPSR encapsulate the collective academic wisdom contributed by our mentor panel consisting of Vice-chancellors, Registrars, NAAC Peer Team members, CoEs, expert academicians and the knowledge gained through interactions with 10000+ faculty members during our FDPs.

Tried, Tested and Proven

ipsr solutions limited is a 22-year old IT company associating with over 500 HEIs in IT and Learning services. Our CEO Dr. Mendus Jacob is a prominent academician with 30+ years of experience. Our Academic Solutions have been successfully implemented in various Higher Educational Institutions including Government Universities. We have also won the award for 'Best Education Technology Solution Provider 2019' from ICCI, New Delhi.

QnSmart i

OBE enabled Question Bank and Hassle-free setting of Question Papers

QnSmart i is an efficient tool to manage question bank and generate quality-focused question papers

> Generates question papers in less than a minute
> In-built Bloom's Taxonomy and provision to Map the Outcomes
> Multiple Distributions (blueprint) to support different exams
> Fully featured configurable history/repetition policy
> Strong encryption practices for data protection
> Best Practices recommended by UGC, NAAC, NBA etc
> Huge savings in the annual expenditure on question paper creation

deQ OBE
The Q Factor in Academics

OBE and Attainments, the right way

deQ OBE - a pioneering solution - helps to assess attainment of Program Outcomes **(POs)**, Program Specific Outcomes **(PSOs)**, and Course Outcomes **(COs)** in an **Outcome-Based Educational System** - comes with comprehensive coverage of learning journey that includes **Outcome Attainment reports, Batch Trend Analysis Report,** Education Equity Reports (Slow/Moderate/Advanced Learners) **and Outlier Analysis reports,** to name a few.

> Define POs, PSOs, COs, Weightage Scale and Ratios
> Guided by Bloom's Taxonomy
> Define attainment targets at HEI, Programme and Course levels
> Mapping of PO-CO and PSO-CO
> Enter scores for assessments, examinations, and activities
> Calculate OBE attainment at various levels
> Trend analysis of cognitive skills and outcomes
> Live, continuous assessment tracking
> Intuitive dashboard for end-to-end OBE management
> Appraises effectiveness of teaching-learning processes
> Real-time insights that ease decision-making
> Promote Assurance of Learning (AoL)
> Progression Reports, Outliers Reports and Reports for
> Accreditation agencies

ipsr solutions ltd
redefining excellence

![deQ logo] deQ ACCREDITATION

Support systems for Accreditation and Ranking

deQ Accreditation - addresses quality enhancement and accreditation requirements in Higher Education Institutions (HEIs).

> Continuously gather data required for accreditations/ certifications

> Avoid repeated data collection efforts by providing a central repository for data and media.

> Conduct internal quality audits.

> Export data and create reports which can assist in the requirements for NAAC, NIRF, AAA, AISHE etc.

> Teachers can also benefit by generating reports required for the PBAS and API.

deQ LEARNING

Optimal blend of pedagogy and tools for learning, assessments

deQ Learning is the customized implementation of the famous Moodle Learning Management System (LMS), along with the right mix of technical and pedagogical consultancy to suit the requirements of the HEI.

> Organise eLearning contents
> Create Learning Paths
> Multimedia based learning
> Student engagement
> Consistency in the teaching-learning process
> Lesson Activities and Assessments
> Forums and Peer Evaluation
> Enhances the continuous evaluation process
> Track student progress and performance
> Easy tracking & reporting
> Time and Cost savings
> Access from anywhere through the internet

![deQ AMA logo] The Q Factor in Academics

Technology that simplifies the HEI administration

deQ AMA is a cloud based ERP solution for HEIs to automate all the academic, administrative and financial operations.

> Create various batches and enroll students into the batches. Convenient options to group multiple batches together

> Set Academic Calendar and Time Table

> Set various types of fees, define exemptions and discounts for specific groups of students

> Easily mark attendance or absence. Provisions for Medical and Duty leaves. Relevant views and reports for students and teachers

> Internal Assessment Scoring, A/B Form Generation

> Certificates / Progress charts Generation

> Modular level reports and consolidated reports required for internal and external use

i-MAX OBE+

A 360-degree **learnability - employability** platform for visionary institutions, applying **innovations to use OBE** and transform students to **Higher Levels of Bloom's Taxonomy** for building their employability

World's First & Only

> AI-based professional interview & viva-você simulator for Engineering, Technology and Management Courses - as per curriculum

> Blended learning system for engineering comprehension & concept generation: "Smart English through Technology & Science"

> Critical thinking & extempore speaking simulator & trainer

> Professional interview trainer & industry wisdom builder for employability

> Interactive module to teach students to "Ask relevant questions"

> Customisable test to advise students what to do with their branch of study taking account of their unique personality

> Customisable module to convince & inspire students about the value and future potential of their branch of study

> Interactive learning module that links wonders of the human body with various branches/theories of engineering

> Learning module that explains the key commercial products of each branch of engineering & links them to theories they learn

> Repository of "classic book summaries", specially crafted for Indian engineering and management students

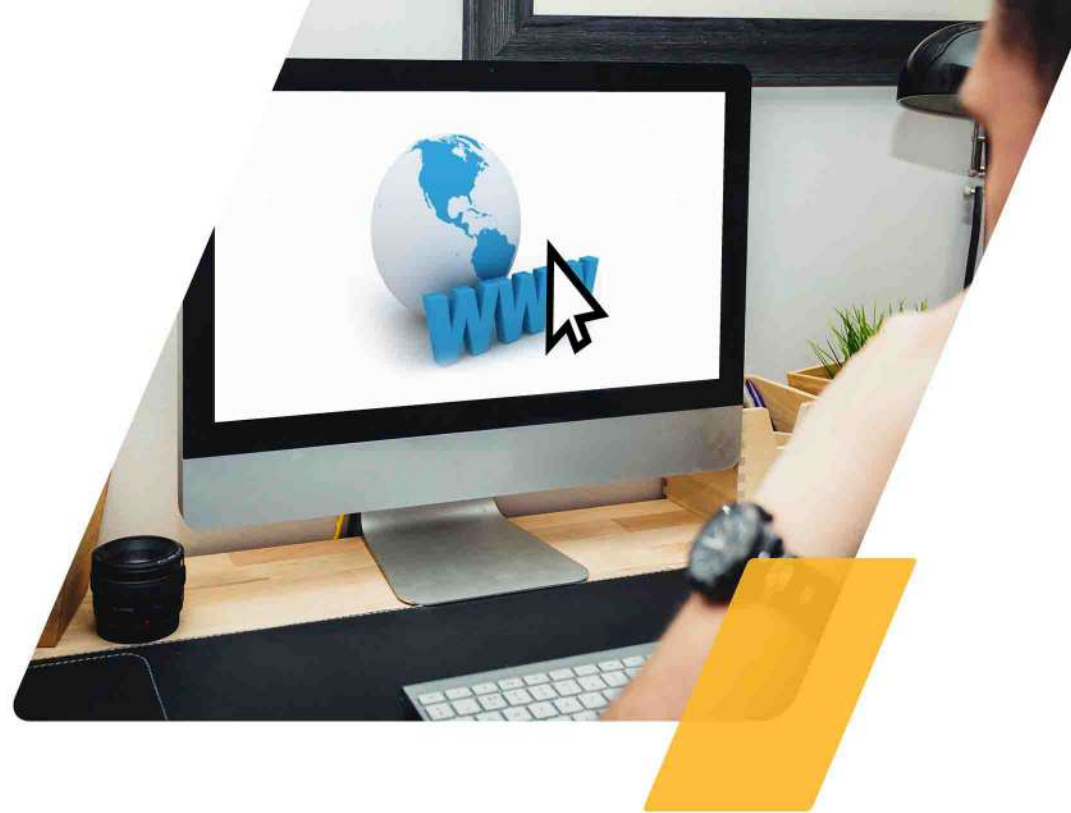World's largest repository of interview questions in video format - over 200,000

World's first professional competency tests based on various levels of Bloom's Taxonomy

Hand-holding Support for NAAC Accreditation

Distilled from the expertise and experience of a stellar academic panel, IPSR is offering **mentoring support and Hand-holding for NAAC Accreditation processes.**

> Create Quality Strategies with a focus on Accreditation and Ranking

> Manual-based Support for Accreditation

>> Provisional Accreditation (PAC)

>> Academic and Administrative Audit (AAA)

>> Self Study Report (SSR)

>> Annual Quality Assurance Report – (AQAR)

> Implement OBE and calculate Attainment, along with useful Analytics reports

> Arrange collaborations, tie-ups, value-added courses, and internships

> Customise the institutional website at par with the Accreditation standards

- Online Admissions
- Online Payments
- Online Resources
- Defined Outcomes
- Best Practices
- IQAC Reports
- Grievance Redressals
- Feedback Collection
- Alumni Engagements
- Online presence Management
- Social Media Marketing
- Search Engine Optimisation

Customised Websites for Educational Institutions

Weberge, the web development division of IPSR helps higher educational institutions to customize their websites with the **right designs, tools and best practices suitable for compliant HEI websites.**

Skill Development Programs for students

The Learning Services division of IPSR is providing training **in various industry demanded technologies.** As a public limited IT company we are also offering **Industry Internships** to students from HEIs

> Add-on Certificate Courses

> Value-Added Certificate Courses

> Academia-Industry Collaborations

> Finishing School Programs

> Global Certifications

> Industry Internships

> Placement Orientation Programs

> Placement Support - IPSR Jobs

Faculty Development Programs

IPSR conducts FDPs through **live webinars by our eminent academicians** and also through **hands-on activities through our Learning Management Portal (LMS).** We have already delivered FDPs, Workshops and STTPs to **over 10000 faculty members**

> Outcome-Based Education and Bloom's Taxonomy

> Best practices in Teaching, Learning, and Assessments

> E-Learning Tools and Platforms

> Creative and Critical Thinking

> Data Analytics using Excel / Tableau

> Machine Learning using R / Python

> Enterprise Linux Administration using Cloud and Containers labs

> Digital Marketing

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Mentoring and Guidance

If your institution requires academic mentoring for the implementation of ICT tools, our expert panel of academicians are available. We provide implementation guidance on Outcome Based Education (OBE), National Education Policy (NEP 2020), Accreditations, Learning Management System etc. If you have any requirements, please feel free to contact Dr. Mendus Jacob, M.D and CEO of ipsr solutions limited on +91 94470 53716 or write to ceo@ipsrsolutions.com

Connect on Linked in

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Technical Support

For technical support on implementing ICT Tools, or to know more about the academic solutions from IPSR that help to manage academic and operational activities like Question Paper generation, Accreditation processes (NAAC, NBA etc.), OBE (Outcome Based Education), Campus Automation etc., or to organise Faculty Development Programs / Workshops, you can contact Mr. Jaimon Kuriakose (Manager - Training & Corporate Services, IPSR) on +91 9020592530 or write to jaimon.kuriakose@ipsrsolutions.com

Connect on **Linked in**

About ipsr solutions limited

Led by a team of academicians and entrepreneurs, IPSR is a public limited IT company with 22+ years of expertise in Software Product Development and Training services. During the last 2 decades, IPSR has worked with over 500 academic organisations, including Universities, Autonomous Colleges, Technical and Non-technical institutions. IPSR's IT services division is a pioneer in the development of Academic Solutions that help to manage academic and operational activities like Question Paper generation, Campus Automation, Accreditation processes (NAAC, NBA etc.), OBE (Outcome Based Education) etc

IPSR conducts Faculty Development Training, Seminars, Workshops, Add-on Courses, Corporate Training and Job oriented Training in Education, IT & ITES domain. IPSR has served as the Training partner for the Technical Education Quality Improvement Program (TEQIP) - a World Bank assisted project - executed in Government Engineering Colleges by the Ministry of HRD. IPSR is also the world's leading training partner of Red Hat with 37 National and International Awards and
60+ Red Hat Academies in Higher Educational Institutions.

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