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Ministry of Skill Development & Entrepreneurship

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Ministry of Skill Development & Entrepreneurship

The Ministry of Skill Development and Entrepreneurship coordinates all skill development efforts across the country. It aims to remove disconnect between demand and supply of skilled manpower, to build the new skills and innovative thinking not only for existing jobs but also jobs that are to be created.

Application Software – for Training Facility Management, Noida and Guwhati

#MSD28

Total Submissions : 4

Presently there is no In-house Application – that can facilitate Online booking of
Incubator facility
Training room facility

rooms or incubators.

There is No Online dashboard that can provide remotely Occupancy Status of Training Rooms / Incubators so that a Trainer or an Entrepreneur can plan his/her Business Premises requirements in accordance

Need: Application that can better leverage 'Training Infrastructure at NIESBUD and IIE.

Sample data required: No

PARTICIPATE



Entrepreneurship Facilitation Services Processing Centre

#MSD27

Total Submissions : 1

There is no Cloud & Social fee based Online Application that can facilitate Entrepreneurs to do their:

Day to day accounting – purchases, sales, returns

Cash flow

Stock taking

Budgeting and Forecasting and Variance Analysis

Third-party Vendor Management – Invoicing and Payment System leveraging smart payment solutions ,
receivables management viz AP , AR with OCR enable EIPPS (Electronic Invoice Presentment and Payment System)

Online Smart Banking – phasing out Manual Cheques, Doing Online Bank Reconciliation

XBRL enabled Regulatory reporting

Need: A customized Application that can be accessed either as a Licensed version or outsourced to Govt.

Owned and Managed Entrepreneurship Facilitation Services Processing Centre.

Sample data required: No

PARTICIPATE



PWD (Divyang) user friendly Entrepreneurship Support & Facilitation Ecosystem

Presently there is no Entrepreneurship Toolkit Application (viz Braille / Sign Language/ Speech Recognition software) that can be used by Divyang Entrepreneurs. There is need for a Divyang usable Application that is compatible – downloadable on Smart Phone or I pad or E-Book or Desktop – Laptop, based Entrepreneurship.

Need: An integrated Application development that can be accessed by Divyang Entrepreneurs.

Sample data required: No

PARTICIPATE



National Entrepreneurship Internship Exchange

#MSD25

Total Submissions : 3

An Online National Internship Exchange platform that can be a win-win model, where in NIESBUD can get short term resources for various entrepreneurial services like Business Plan Preparation Assistants, Training Co-coordinator Assistant, Conduct Field – Online – Surveys, Data gathering both from primary and secondary resources, Research Assistants that can help NIESBUD develop effective and efficient programs and services.

Need: A bespoke Application development viz National Entrepreneurship Internship Exchange for Hiring, Deployment, Performance Tracking, Assignment Allocation to be developed.

Sample data required: No

PARTICIPATE



Easy solutions for doing BIG DATA analysis

#MSD24

Total Submissions : 4

India has a population of 134 CRORES (1.34 BILLIONS). If we create a database which contains only one line information for one person each, our data base is estimated to cross millions of Zettabytes. How can we skill our countrymen to learn Big data analytics and create systems which can be safe proof? Solutions may be

Sample data required: No



Technological solution for recognition of prior skills in informal sector

#MSD23

Total Submissions : 4

Majority of Indian workforce is working in informal sector. One of the biggest challenges for the policy makers is to understand the existing skill related manpower and to develop skill development program for skill up gradation. A number of skill development policies have been launched but inclusivity of informal sector still remains a challenge. The first ideal step is to understand the skill manpower data from the informal sector based on which the program for skill up gradation can be designed. The penetration of mobile technology is vast and the reach is increasing every day. A technologies solution is expected to understand the prior skill in informal sector. The solution has to be based on individualistic response mechanism due to the diversity in the sector.

Sample data required: No

PARTICIPATE



On-line skill test in every sector for every level of skill

#MSD22

Total Submissions : 7

On-line examination itself is Economical, Logistically efficient and Real Time Evaluation. Further, it is not human dependent for evaluation. All the activities such as development of application software for online admission/confirmation, examination fee payment confirmation, hall ticket verification, attendance reporting and

Sample data required: No



E-library and digitized didactic cell for all instructional materials, Question/Answers Bank and trouble shootings

#MSD21

Total Submissions : 7

The Information explosion, searching problem in traditional libraries, low cost of technology and considering the storage capacity of digital document and its maintenance then it can be easily realize that the cost of technologies is much more less than that of traditional libraries. A digital library is not confined to a particular location or so called building ITIs virtually distributed all over the world: The user of a digital library need not to go to the library physically, people from all over the world could gain access to the same information, as long as an Internet connection is available. Digital libraries can be accessed at any time, 24 hours a day and 365 days of the year. The same resources can be used at the same time by a number of users. A particular digital library can provide the link to any other resources of other digital library very easily and thus a seamlessly integrated resource sharing can be achieved.

Hence e-platform to provide all necessary instructional materials, question & answers will benefit the learners through smooth access to the information and speedy learning.

Sample data required: No

PARTICIPATE



National E- portal for distance learning in skill training in each sector

#MSD20

Total Submissions : 10

student needing to physically attend /be present in a school /college. A way of learning remotely without regular & live physical face-to-face contact with a teacher in the classroom. This would be easy to use and accessible, inexpensive and can replicate the actual job situation on the virtual platform. The expert trainer can provide practical demonstration in one particular location can be regularly disseminated all over the country.

The E-portal will provide all necessary information on the details of enlisted expert trainers, trade specific exercises covered and other necessary details on schedule of telecast etc. This would be a great help for the trainees to understand the critical practical/theory exercises through the direct demonstration of expert trainers. This also would help them to learn the same at their convenience.

Sample data required: No

PARTICIPATE



[E-information/ Technology platform for standardized building layout and space allocations for shop floors](#)

#MSD19

Total Submissions : 1

A system can be designed to provide information on trade specific advancements in the building layout / ambiance and shop floor layouts required to set up a modern training center to facilitate in implementation of standardized building norms. The focus on safety norms and other necessary prescriptions should be the additional information to be highlighted. This will help us keep abreast with the changing requirements also.

Sample data required: No

PARTICIPATE



[Developing Software for sector specific professional licenses for skill trainers](#)

#MSD18

Total Submissions : 7

would aspire to become skill trainer. This platform would provide all the basic requisites such as trade specific contents/coverage, types of question sets and mode of conducting assessment etc. will be provided for their necessary in-certification to become a trainer. The same platform would facilitate for conducting evaluation of the candidate and enable them to become licensed trainer.

Sample data required: No

PARTICIPATE



Creation of E-information Cell for providing Skill training related information which can be disseminated to all schools for providing necessary career guidance.

#MSD17

Total Submissions : 7

The following Information can be disseminated such as

Career choices available in different sectors and

Emerging demand and Job prospects

Access: where such training is available

Details of the training courses

Estimated wages

Career progression etc.

This E-information Cell can act as repository of all information which are frequently sought after by the candidates and would greatly assist in making appropriate choices.

Sample data required: No

PARTICIPATE



Creation of App for obtaining the status of regular up-gradation of ITIs

#MSD16

Total Submissions : 3



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supporting information. This would enable MOBE to make a suitable decision on the approach and modalities of up-gradation. Further, tendering, procurement of tools & equipment etc. and the time to time status report on up-gradation can be obtained through this digital platform.



Sample data required: No

PARTICIPATE



[E- portal for processing application, registration, inspection and providing status report on affiliation of ITIs](#)

#MSD15

Total Submissions : 6

There are 13,343 ITIs in the country and out of which only about 2300 are Govt. ITIs. Hence there are more than 11,000 ITIs operated by private players. Further, many more new aspirants/entrepreneurs are interested to invest in setting up new ITIs which will definitely give a leap to national skill development.

We can provide an App for setting up new ITIs by facilitating on-line application, registration, document verification etc. and also providing feedback on standing committee inspection and finally granting affiliation.

Sample data required: No

PARTICIPATE



[Leveraging Project LOON by GOOGLE for spreading awareness of skill programs](#)

#MSD14

Total Submissions : 3

Google is launching project LOON, which would use helium balloons to reach to billions of internet user all over the world.

How can INDIA as an emerging technological head take leverage of such initiatives to communicate to the masses and educate them on skill awareness programs?

MIS for coordination of various departments in Gol

#MSD13

Total Submissions : 3

When two government departments work in silo, the result is start of duplication and redundancy of work leading to red-tapism and frustrations. Almost 18-24 ministries have their own skilling initiatives being undertaken today and one of the most important tasks of MSDE is to create Coordination among all such initiatives.

Keeping the above in mind, enumerate methods that can be enabled on digital India mission to create an MIS between the various ministries / departments of Government of India.

Design and suggest a Digital solution to achieve the above objective.

Sample data required: No

Platform for helping youth make informed decisions on career choices in the vocational sector

Total Submissions : 9

#MSD12

With 1 million youth entering the job market every month, vocational pathways as an alternative to academic stream is imperative. While several thousand skill centres have opened across the country, informed decision making on which trade a candidate undertake training is lacking. This is because there is information asymmetry. If youth had access to relevant information (online) – they can make an informed decision on choice of trade and opt for appropriate training.

Information such as:

Options available (sectors and job roles)

Access: where such training is available

Estimated wages

Career progression etc.

Would greatly assist in making appropriate choices. There could also be provision of psychometric tests which could provide suggestions on trades which would be most suitable. This would be empowering for candidates and potentially improve outcome metrics as also reduce dropout rates which are currently high.

Design and suggest a Digital solution to achieve the above objective.

Sample data required: No

PARTICIPATE



[App to track Migration trends to find skill requirement](#)

#MSD11

Total Submissions : 1

Data is publically available through IMO and MEA, from which we can see the migration trends and forecast our skills requirements based on the same. This would include international and national migration trends (Natural Calamity or any Disaster).

Design a Digital solution to be able to aggregate these data and give such national and International trends of migration to evolve Skills Requirement for the nation.

Sample data required: No

PARTICIPATE



[Skill India App](#)

#MSD10

Total Submissions : 9

There are many services provided by NSDC, details of which are available on websites of NSDC and Skill Exchange etc. The services are listed below
Enrollment yourself for PMKVY,

Contribute your CSR Funds to Skill India Mission

Participate in World Skills Competition

Find a training Center Nearby

Setup a call or attend our weekly webinar

Tenders or RFPs

Skill GAP Study

Report issues regarding a training institute

Design a Skill India App that can aggregate all services above which is able to integrate and create a product which becomes our “ONE STOP SOLUTION”. It would be an effective way of disseminating knowledge.

Sample data required: No

PARTICIPATE



Platform to track workforce requirement

#MSD9

Total Submissions : 2

Creating a platform which can crawl information over the internet through websites where Tenders and Proposals are being listed out in India. Through Artificial Intelligence, the system can track the work force requirement in each proposal and can submit an entry on the website.

Additionally, we can take future requirements from the corporate for their upcoming projects and allocate PMKVY numbers based on their commitment. The system can record the future demand of the corporate and through the dashboard can know the details where his workforce is getting trained. Design and propose such a digital platform which can provide these services.

Sample data required: No

PARTICIPATE



Technology platform for spreading awareness about PMKVY scheme among masses.

Schemes like PMKVY, PMKK etc has been launched for the erupting youth of INDIA. This is a unique endeavour by the Govt. of India, which never happened in such a pronounced way even after 7 decades of independence. Enumerate various methodologies on how to percolate such a noble intention of our Prime Minister to reach to more and more masses?

Design an effective media Campaign app based/ web based / any other for reaching out to masses and create more confidence in the heart of people of India that the schemes launched UNDER SKILLING DEPARTMENT will change the existing eco system of the country.

Sample data required: No

PARTICIPATE



[PMKVY Employers App](#)

#MSD7

Total Submissions : 6

The detail of all trainees enrolled on PMKVY centers is available on LMIS data at <https://www.lmis.gov.in/certified-candidates>. There exists an opportunity to link employers to access certified candidates from the PMKVY system by job role, location, NSQF level, etc. This will elevate the Scheme from a skills program to a jobs program.

An app based solution can be designed to help link the employer with the certified trainees.

Sample data required: No

PARTICIPATE



[PMKVY Dynamic Training Calendar App](#)

#MSD6

Total Submissions : 5

preference – open, closed, available for enrolment. An app based solution in terms of a Dynamic PMKVY Calendar available on the mobile phone with GPS-enabled will help students and also employers to know what batches are underway where, when they intend to close, etc.

Sample data required: No

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Skill Games

#MSD5

Total Submissions : 10

Gaming is considered as one of the best ways to impart skills while playing. This can be utilized for imparting skill training and creating NSQF level equivalent Games for vocational courses and trades. E.g. games for plumbing that uses the virtual reality to impart the exact skills. Data regarding the NSQF level for various trades is available in public domain. Design games which can be made available on Play Store or App Center for people to engage and learn while playing.

Sample data required: No

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