








SKILL NEWSLETTER

AN EDITORIAL BY LIFE
SCIENCES SECTOR SKILL
DEVELOPMENT COUNCIL

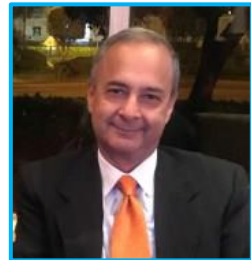
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WHAT'S INSIDE?

-  MOU Sign off by LSSSDC and PCI with 150 Universities and College for B. Pharma
-  LSSSDC crosses 10 k Apprenticeship contracts milestone in Q3, which was reached in full year last year
-  International giant Sandoz joins hands with LSSSDC
-  LSSSDC secures 4th position in ranking of SSC's for 2019/20.
-  LSSSDC certification program features in handbook on best governance practises 20-21 put out by Karnataka govt
-  NSQC approval of twelve rationalized and revised Qualifications
-  Work started on LSSSDC Programs integration with school education



EDITORIAL- FROM CEO'S DESK



Dear Partners, Colleagues and Readers,

A 'Demand Determined', Industry led Curriculum fusing education and skilling, and stronger Academia-Industry bond have often been touted as mantras for a more robust skilling eco system. Quarter 3 key event was one involving virtual MOU signing with over 100 PCI colleges, featuring also NCVET and NSDC.

This historic and hall mark event is truly an inflection point in skilling in general and certainly in the Life Sciences sector. By bonding Industry and Academia– to the benefit of all stakeholders—it should be a game changer for providing a “sustained stream of high quality skilled individuals....ensuring growth and competitiveness of the (critical) sector”, in realisation of LSSSDCs declared Mission.

The Council continued on its successful path towards enlisting larger number of Apprentices. The 10,000 numbers milestone was crossed in December, as opposed to this key milestone being reached in full year 20/21. LSSSDC is very optimistic of meeting its 12,000 numbers target for the year—with full credit to the Cluster Team.

Quarter 3 saw Sandoz, a globally recognised manufacturing organisation under the OPPI banner, being on boarded for Apprenticeship. We are truly excited to having Sandoz as an Industry Partner, and look forward to adding value to their Talent and HR space.

Team LSSSDC had a series of meetings with CBSE with view to integrating school curriculum with school focused Life Sciences modules. Our focus is to keep schools students equipped with awareness, knowledge and foundation skills to enable them to take up career in Life Sciences sector and enhance their carrer opportunities and future prospects. Once this integration is accomplished, LSSSDC would have cloosed the loop both at school and college (PCI) level with Industry.

The Council continued to strenthen its foundation blocks—through rationalisation of key qualification packs and further TTT/TOA programs— and its bonds with both Industry and Academia, with various events and initiatives. Noteworthy were emeetings with Sun Pharma, which MD, Sri Dilip Shanghvi personally attended together with other top management, and emeetings with Torrent and Biocon. These meetings will give a fillip to our growing partnership with each of these majors.

The quarter also witnessed the Council jumping up two places to secure the 4th rank amongst all Skill Council's, for the year 19/20. LSSSDC also received recognition from Karnatak State (the hub for Bio Pharma) by featuring in handbook on best governance practises 2020/21. Finally, the Council's work on Standards, Curriculum and Content was applauded by NCVET as serving as template for rest of skilling eco system. Team LSSSDC can take strength and pride from these accolades, as it looks to exploring the plethora of opprtunities and surmounting the challenges ahead.

Sincerely,

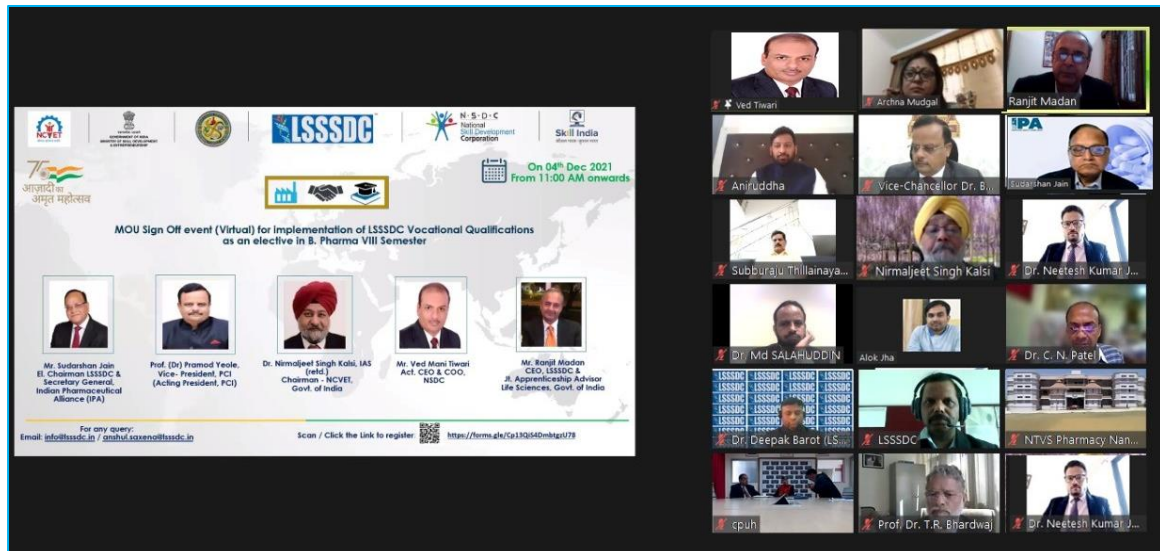
Ranjit Madan

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COVER STORY: MOU SIGN OFF BY LSSSDC AND PHARMACY COUNCIL OF INDIA WITH 150 UNIVERSITIES AND COLLEGE FOR B. PHARMA

On 4th Dec 2021, Life Sciences SSC & Pharmacy Council of India (PCI) in association with NCVET & NSDC organised MoU Sign off event (Virtual) for implementation of LSSSDC vocational Qualifications as an elective in B. Pharma VIII Semester.



Snap from the event

To recap, the two key features of 'Skill Advancement Program', in Partnership with PCI are:

B. Pharma curriculum in its 8th semester offers LSSSDC developed, Industry validated and NSQF-aligned skilling modules as electives, with score to count towards the final B. Pharma score of candidates.

Candidates would be encouraged to take on Apprenticeship opportunities in their vertical of interest

Whilst the initiative is currently focusing on B. Pharma stream, it will gradually cover D. Pharma and M. Pharma, the other favoured streams for Industry workforce in the sector, as well. The initiative is also in line with the NEP put out by GOI.

Around 50 colleges under PCI had already signed MOUs with LSSSDC for implementing the above. The virtual event on December 4, led to a further 100 PCI colleges signing MOUs with LSSSDC, with a further almost 50 registering intentions to sign.

The event was graced by Chairman, NCVET Dr Nirmaljeet Singh kalsi, Sri Vedmani, Acting CEO, NSDC, and Mr Sudarshan Jain, Chairman Elect, LSSSDC and DG, India Pharmaceutical Alliance or IPA (representing top 25 Pharma companies in India). Over the course of next 2-3 years, LSSSDC expects all 1800 PCI colleges offering B. Pharma to be fully integrated with it and offering NSQF aligned modules. Please visit YouTube link <https://www.youtube.com/watch?v=qK9GJoK3r4o> to watch the entire recorded event.

APPRENTICESHIP CONTRACTS CROSS 10K MILESTONE: SUPPORT TO INDUSTRY & OTHER INSTITUTIONS

- More than 10,000 apprentice contracts have been generated till 31 December 2021, as against 10,000 in the full year 2020/21. Every month over 1,000 contracts are being triggered. In total we have crossed 28,000 contracts since inception. Top 5 states are Gujarat, Telangana, Maharashtra, Goa and Tamil Naidu.

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- On 4 October 2021, BTTI-ITI, Baddi, organized an apprenticeship fair along with DGT in the august presence of Chief Guest- Shri Guleria ji Advisor BBNIA and Shri Lalit Kumar ji from DTE SNG.

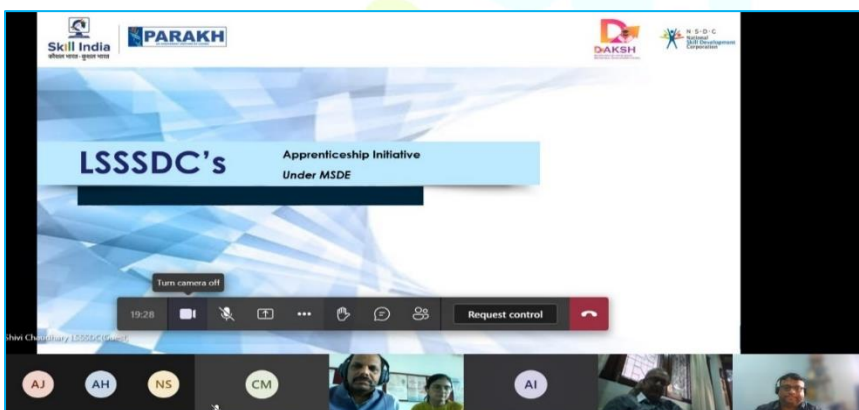
During this pharma and other industries having presence in Baddi participated and selected candidates on the spot for apprenticeship training in their respective organizations.



Snaps from the fair

BTTI, LSSSDC Pharma is a dedicated centre for basic training provider in alternative job roles like Machine operator, Manufacturing assistant, Fitter mechanical and other DGT designated trades where small and medium pharma enterprises can get benefits of training their apprentice trainees before sending them on job training.

- Apprenticeship Facilitation Program launched by LSSSDC, to provide end to end support and solutions to Industry, including support in mobilization of apprentices, helping firms in filing claims and reimbursement, and follow up to get quarterly reimbursements, is gradually catching on. Awareness and follow up meetings are being conducted with Industry Partners.



Snap from the awareness meeting

COVER STORY: SANDOZ ON BOARDED ON APPRENTICESHIP PORTAL

Sandoz, a globally recognised company, has been on-boarded on NAPS portal for apprenticeship scheme. They have also opted for LSSSDC Apprenticeship Support scheme. Approx. 100 apprentices' are required per year for Sandoz plants in Thane, Mumbai.

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COVER STORY: LSSSDC SECURES 4TH POSITION IN RANKING OF SSC

LSSSDC secured 4th rank as per the reports released by NSDC, amongst 39 odd Sector Skill Councils, for the rankings released for 2019-20. Mr. Ranjit Madan, CEO congratulated the entire team of LSSSDC on this occasion. “We were 8th, then 6th and are now 4th...aim is to be at the top... we will with Teamwork!” said Mr. Madan.

The Ranking of SSCs are as per Annual Business Plan of FY 19-20

R. No	SSC Name
1	Agriculture
2	Electronics
3	Automotive
4	Lifesciences
5	Retail
6	Healthcare
7	BFSI
8	Handicraft
9	Gems and Jewellery
10	IT-ITeS
11	Construction
12	Tourism & Hospitality

ANNOUNCED TODAY

Committed For Skill Development in Life Sciences Sector

We are thankful to our Stakeholders and Partners for their support in enabling us to achieve 4th Rank in Ranking Chart for Sector Skill Councils. This is 2 spot upward jump from 6th Position in previous year.

Snap showing 4th rank of Life Sciences

LSSSDC CERTIFICATION PROGRAM FEATURED IN HANDBOOK ON BEST GOVERNANCE PRACTICES OF KARNATAKA 20-21

LSSSDC certification program has been featured in the Handbook on Best Governance Practices of Karnataka 20-21 under UN SDG. About K-TECH LSSSDC BiSEP Program from Page no. 93 onwards mentions LSSSDC QP alignment with Biotechnology filed.

The program not only imparts industry specific skills and meets the trained manpower needs of the industry both within and outside the state, but also ensures that the students are mentored and nurtured in entrepreneurship in various areas of biotechnology domains and augment the start-up ecosystem in which Karnataka is already a leader.

The program now implemented in collaboration with 18 host educational institutions, located across 8 districts of Karnataka, trains students in 9 sub-domains of Biotechnology. These 18 host institutes together have entered into a Memorandum of Understanding with 129+ biotechnology industries both within and outside Karnataka. Also, many more companies are being added to the list.

Collaborations with Association of Biotechnology Led Enterprises (ABLE), Life Science Sector Skill Development

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Council (LSSSDC) and CSIR-IICT in re-designing the curriculum and assess the skill sets acquired under BiSEP have made it a unique industry – academic partnership program.

The program launched in March 2018 has so far trained 500 students and placed them in 150+ industries for internship/job.

infrastructure facility is very high and many colleges lacked them. Lack of exposure results in a lack of understanding of the latest developments. The industry was not happy with the quality of students aspiring for the jobs in the Biotechnology sector, as they were short on several industry specific technical and soft skills. A vast majority of the academic institutions especially the ones located in tier – II and III cities of Karnataka lagged behind in having a

Book Page No. 94 having Life Sciences mention

This book is published by Planning, Programme Monitoring and Statistics Department, Government of Karnataka

COVER STORY: MEETING WITH TEAM NCVET

Team LSSSDC had a very useful meeting with Team NCVET, headed by Chairman Dr Nirmaljeet Singh Kalsi. Future plans and initiatives were shared. NCVET was appreciative of the work being done by the Council, as also the strategic planning and business/ activity developments plans envisaged by the Council. We were assured of NCVET support going forward.



Snap from meeting at NCVET

NSQC APPROVAL FOR 12 QUALIFICATIONS

Twelve (12) rationalized Qualifications were approved in the 14th NSQC Meeting held virtually by NCVET on 30th December 2021:

1. Assistant- Secondary & Tertiary Packing (Pharma, Biologics and Medical device), v2 (Level 2)
2. Assistant- Manufacturing and Packaging (Pharma, Biologics and Medical device), v2 (Level 3)
3. Lab Technician-Research and Quality Control, v2 (Level 3)
(Electives: i. Wet Lab ii. Scale-up or Kilo Lab)
4. Assistant- Maintenance (Pharma, Biologics and Medical Device Facility), v1 (Level 3)
(Electives: i. Mechanical and Fitting ii. Utility)
5. Associate- Store (Pharma/ Bio Pharma / Medical Devices),v2 (level 3)
(Option: i. Automated warehouse, ii. Retail Pharmacy operations)
6. Engineer-Cleanroom, v1 (Level 4)
7. Medical Sales Representative, v2 (Level 4)
8. Supervisor- Maintenance (Pharma, Biologics and Medical Device Facility) v1 (Level 5)
(Elective i. Electricity ii. HVAC iii. Water System iv. Gases v. Steam)
9. Analyst/ Chemist-Quality Control), v2 (Level 5)
(Electives: i. High-Performance Liquid Chromatography (HPLC), ii. Gas Chromatography (GC), iii. Ultraviolet-visible Spectroscopy (UV), iv. Fourier Transform Infrared Spectroscopy (FT-IR), v. Dissolution Test Apparatus)
10. Microbiologist-Quality Control, v2 (Level 5)
11. Chemist- In-process Quality Assurance (Pharma, Biologics and Medical Device), v2 (Level 5)
12. Research Assistant cum Engineer-Bioprocess v1, Level 5

Committee appreciated LSSSDCs logical and practical approach towards rationalisation of Qualifications.

SCHOOL EDUCATION INTEGRATION INITIATIVE BY LSSSDC: PARTNERING WITH CBSE

LSSSDC has submitted a detailed proposal to CBSE to integrate Life Sciences Qualifications in school programs as vocational subjects starting from 6th class, going upto 12th. LSSSDC is also working with CBSE to participate in the program “Skill Hub initiative of MSDE with CBSE for school dropout children”

We hope to get approval from CBSE in the near future, thus fusing education and skilling focused on Life Sciences at school level—in sync with NEP.

INDUSTRY ENGAGEMENTS

- ✦ On 22nd November 2021, Mr Ranjit Madan, CEO & LSSSDC team had a very useful meeting with Sun Pharma. Sri Dilip Sanghavi, MD along with leadership team attended. Discussion was held on RPL, ITI adoption and Upskilling. Sun Pharma is engaged with LSSSDC in Apprenticeship and is a constant user of Upskilling modules. They have also registered interest for ITI adoption program and is working internally on decision over locations for ITI adoption program.



Snap from e-meeting with Sun Pharma, with Sri Dilip Sanghavi, MD attending

- ✦ Series of Meeting with HR leadership in Torrent have been conducted and Torrent has been onboarded for Apprenticeship program. Torrent and LSSSDC team are also working for few instructor led foundation programs for apprentices as well as for existing employees as refresher programs.
- ✦ Meeting with HR leadership team of Biocon was held on 9th December 2021. Biocon is being onboarded for Apprenticeship Program both for manufacturing and salesforce. They have also shown interest for Upskilling program of LSSSDC and getting their internal trainers trained and certified by LSSSDC.

VIGYAN UTSAV - BUILDING STI LEADERS FOR ATMANIRBHAR BHARAT

On 11th October 2021, Mr. Ranjit Madan CEO, LSSSDC attended Vigyan Utsav - Building STI Leaders for AtmaNirbhar Bharat as a part of ‘Ajadi ka Amrut Mahotsav’ as a Special Chief Guest Organised by Punjab State Council for Science & Technology. Govt of Punjab.

Mr Madan addressed India’s Human Resource Development Strategy for Life Science Sector. He also gave an overview of Council and Skill Development prospective in Punjab with Punjab State Council for S&T.

Opening Address was provided by Dr. Debapriya Dutta, Advisor, State S&T Programme (SSTP) and SEED, Department of Science & Technology, Govt. of India, and an overview on HRD Initiatives to strengthen STI Ecosystem in Punjab was provided by Dr. Jatinder Kaur Arora, Executive Director, Punjab State Council for Science & Technology.

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TRAINING PROGRAM IN MANIPUR

In Manipur state, Gyan Jyoti Foundation got target allocation under DAY- NULM for conducting training in MSR.

This is first time, LSSSDC started training program in Manipur.

OJT AT PHARMA COMPANY HIMALAYAN SKILL DEVELOPMENT CENTER

OJT was conducted at Pharma company Himalayan Skill Development Center Kala Amb District Sirmour Himachal Pradesh.



Snap from OJT

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LSSSDC UPSKILLING PROGRAM PUBLISHED IN FINANCIAL EXPRESSES

An article has been published in financial express on LSSSDC upskilling program. For details please visit: <https://www.financialexpress.com/healthcare/pharma-healthcare/lssdc-launches-professional-development-programs-in-collaboration-with-giz-for-upskilling-manpower-in-pharma-industry/2383623/>

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The first module “360 degree GMP for Machine Operators” has been successfully launched, with major companies participating, and positive feedback received from all quarters. Another two modules, focused on other job roles, are expected to be launched shortly.

MEETING ORGANISED BETWEEN CSIR-IICB, KOLKATA & LSSSDC

On 28th Dec'21, a meeting was organised between CSIR-IICB, Kolkata & LSSSDC, New Delhi to discuss the various aspects of Skill Development Program in Life sciences & allied sectors.

The meeting was chaired by Dr. Alok Bandopadhyay, Director, CSIR-IICB, Kolkata along with Dr. Jaishankar, HOD, Dept. Of Skill Development, IICB & Other officials of IICB.



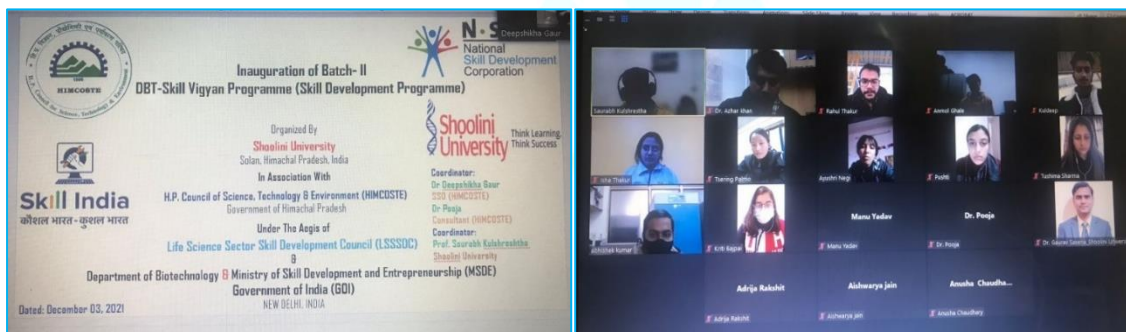
[Snap from meeting with CSIR-IICB](#)

With the vision of Skill India & its integration with higher education, the council presented various skill Development initiatives by LSSSDC to address the skill gaps & issues in this sector.

On the occasion of “Azadi Ka Amrit Mahotsav”, it aims to launch integrated skill Development initiatives by LSSSDC & CSIR-IICB to create robust skill ecosystem through Upskilling, FDP & other customised Program as per industry need.

SKILL VIGYAN PROGRAM UPDATE

✚ HIMCOSTE Inaugurated 2nd Batch under DBT Skill Vigyan program at Shoolini University, Himachal Pradesh. LSSSDC, HIMCOSTE, and Host Institutions in Himachal under DBT Skill Vigyan also had a review meeting along with 2nd batch Inauguration. TTT, Assessment and Certification from LSSSDC were discussed.



[Snap from the event](#)

Joint Member Secy. congratulated participating institutions and LSSSDC for running smooth training during the first batch.

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- On 21st December 2021 HNB Garhwal University, Uttarakhand (Central University) launched first batch of 3 Month Quality Control Chemist- Microbiologist training program with 20 students where more participation from female trainees was observed under DBT Skill Vigyan State partnership with Uttarakhand Council for Science and Technology, Uttarakhand.



Snap from virtual meeting with HNB Garhwal University

Uttarakhand became the third state to launch the program after Himachal Pradesh and Punjab. On this occasion Vice-Chancellor Prof. Dr. Annpurna Nautiyal, HNB Garhwal University, Director General Dr Rajendra Dobhal UCOST, Alok Kumar Jha Cluster Head North from LSSSDC attended the event.

- On 27th December 2021, NIPER Mohali Launched two programs on LSSSDC QPs with total 40 students under DBT state partnership Skill Vigyan with Punjab State Council for Science and Technology (PSCOST).

Skill Vigyan Program

- This Skill Vigyan training programme is coordinating by **Punjab State Council for Science & Technology (PSCST)** as State Nodal agency.
- Total 40 students through all India level entrance exam selected for this training programme and awarding stipend of **Rs.5000 per month** during the training period.
- Training programme is also certifying by **Life Sciences Sector Skill Development Council (LSSSDC)** under the Ministry of Skill Development and Entrepreneurship, Govt. of India.

DBT, NIPER, Skill Vigyan, LSSSDC, PSCST

Snap from meeting with PCOSTE

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This occasion was attended by Dr. Dapinder Bakshi Joint Director PSCOST, Prof. Arvind Kumar Bansal, Dean NIPER Mohali, Mr. Jitender Kumar Chandel, Officiating Registrar and Dy. Registrar (F&A) and Mr. Alok Kumar Jha Cluster Head North from LSSSDC.

CARRER COUNSELING INITIATIVE

- Dr. B C Roy Pharmacy college, Durgapur, West Bengal conducted orientation session on LSSSDC & PCI elective courses with 60 B. Pharmacy students on 22 Dec 2021. Mr. Aniruddha Hati, Cluster Head --East & North East Zone was invited to grace the session and to address the students about career prospects in Life Sciences industry.



Snaps from the orientation session

APPRENTICESHIP PORTAL MIGRATION

- Apprenticeship Portal has been migrated from <http://apprenticeshipindia.org/> to <http://apprenticeshipindia.gov.in/>. Henceforth <http://apprenticeshipindia.gov.in/> is the official web portal ID for all apprenticeship activities under Skill India Mission.



MOU WITH ADAMAS UNIVERSITY, KOLKATA

On 2nd November 2021, LSSSDC signed MoUs with Adamas University, Kolkata. One is for PCI & LSSSDC elective program & another is for Non PMKVY program for university students. The university also nominated faculty for TOT for PCI program. The University has made LSSSDCs following three modules mandatory as electives for the students:

1. Manufacturing Chemist

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2. Quality Control Chemist

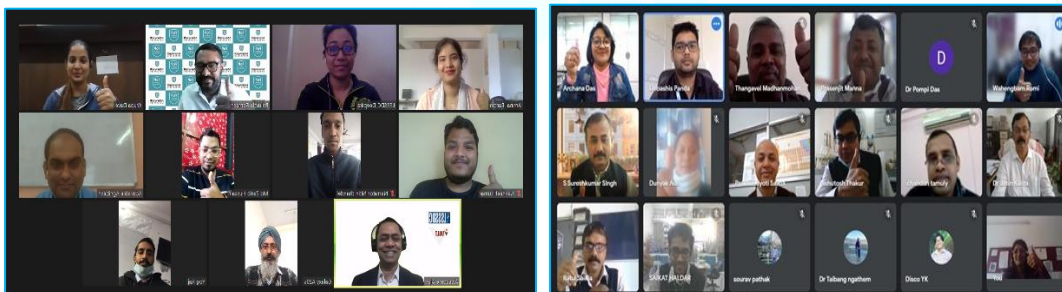
3. Medical Sales Representative



MoU Sign off with ADAMAS University

AN UPDATE ON ASSESSMENT, TTT, TOA AND TOMT

- ✚ One online TOA program was conducted in November month for 06 Assessors for both Service and Manufacturing job roles. Total certified Assessors 168.
- ✚ Four online TTT programs were conducted in which total 50 Trainers participated for 14 QPs. Total certified trainers count is 532.
- ✚ Bioinformatics Associate/Analyst, Bioinformatics Scientist (Electives: Model Risk Assessment/Model Business Performance) and Production/ Manufacturing Biologist 03 new job roles are introduced in TTT and TTT program successfully conducted for the same job roles.



LSSSDC TTT Snaps

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VISIT US ON WWW.LSSSDC.IN

LIFE SCIENCES SECTOR SKILL DEVELOPMENT COUNCIL

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DEAR READERS, WE ENCOURAGE AND INVITE ALL OF YOU TO SUBMIT YOUR ARTICLES AND WHITE PAPERS ON THE TOPICS RELEVANT TO SKILL DEVELOPMENT IN LIFE SCIENCES FOR INCLUSION IN FUTURE PUBLICATIONS. PLEASE SHARE YOUR WRITE UP WITH US ON SHIVI.CHAUDHARY@LSSSDC.IN

THANK YOU

EDITORIAL TEAM, LSSSDC