

SHIVAJI UNIVERSITY, KOLHAPUR

University-Industry interaction Cell

UIIC has been conducting the various activities in this academic year 2018-19; which are as follows:

1) Guest lecture on “Social and Techno Entrepreneurship – The Need of Hour for Indian Enmass”, by Prof. (Dr.) B.N. Thorat, Institute of Chemical Technology, Mumbai

On 18th May 2018, we have organized a guest lecture of **Prof. (Dr.) B.N. Thorat**, Institute of Chemical Technology, Mumbai at Shivaji University, Kolhapur. Prof. Thorat has delivered the talk on the topic entitled **“Social and Techno Entrepreneurship – The Need of Hour for Indian Enmass”**. Prof. Thorat has addressed the gathering with the layman questions like what is entrepreneur? Why there is necessity of entrepreneur in global as well as India, etc. Prof. Thorat also covered the aspects of entrepreneurship related to social and economical relevance with the illustrative examples. The representative faculty members and research students of the few departments have attended the lecture and also asked the few questions to the Prof. Thorat.

Few glimpses of the said lecture as follows:



Few photographs during guest-lecture of Prof. (Dr.) B.N. Thorat, ICT, Mumbai

2) MoU Signing Ceremony with Sammurdhi TBI Foundation and Interactive session on "How to become Entrepreneur", by Manish Patil, CEO, Sammurdhi TBI Foundation.

Through the initiative taken by department of technology, we have signed the MoU with **Sammurdhi TBI Foundation** in presence of **Hon'ble Vice-Chancellor Prof. D.B. Shinde, Hon'ble Pro-Vice-Chancellor Prof. D. T. Shinde, Registrar Prof. V. D. Nandavedekar, Prof. D. R. More, Prof. S. D. Delekar, Mr. Manish Patil, Renuka Patil, Joyti Yadav, Dr. S. B. Kale** on 18th July 2018. On this auspicious occasion, Hon'ble VC Prof. D.B. Shinde elaborated the mutual benefits of this MoU to the students, faculty members of University domains and Company sectors in terms of the job generations, skill development, research endeavors, advancement in the products, etc.

After that, we have conducted the interactive session for the teacher, students and industrial representatives in the University campus on the topic entitled "How to become Entrepreneur", by Mr. Manish Patil, CEO Sammurdhi TBI Foundation. The session covers the various aspects for becoming the good entrepreneur. He talked about the scope of the entrepreneur in the present era. As concerned to become an entrepreneur, faculty members as well as students have to change their mindset from providing the services to creating or manufacturing the goods or things of societal as well as economical needs. At the end, few students have interacted with Manish Patil related to their doubts. To this session, the members such as Prof. G. S. Gokavi (HoD of Chemistry), Prof. Dr. S. D. Delekar (Coordinator, UIIC) and Dr. Bagi Sir (Director DoT), Kale Sir, Walekar Sir and others. The photographs of this event are as follows:



Photographs during Interactive session by Manish Patil, CEO, Sammurdhi TBI Foundation

3) “Star Rating Program” in collaboration with Maharashtra Pollution Control Board and Energy Policy Institute, University of Chicago, USA and Department of Environment Science, Shivaji University, Kolhapur.

On 08th August 2018, we have organized “Star Rating Program” in collaboration with Maharashtra Pollution Control Board and Energy Policy Institute, University of Chicago USA and Department of Environment Science at Shivaji University, Kolhapur to the industrialists as well as the representative of various companies situated near to the Kolhapur. Prof. Dr. P. D Raut Sir (HoD, Environmental Science, Shivaji University, Kolhapur) has initially highlighted the objectives of this program. In this program, Mr. Ishan Choudhary (Communications and Outreach Coordinator EPIC, India), Shri. Prashant Gaikwad (Maharashtra Pollution Control Board) and Mr. Uday Gaikwad (Vidya Prabhodhani, Kolhapur) gave the lectures on Star Rating Program and its importance to know the environmental status of industry in terms of star rating. State government as well as in Indian government recently launched this ‘Star Rating Program’ for the industries to know their ratings related to reduce the pollution. The objective of this program is to regulatory efforts to reduce pollution of the industries. It is a first of its kind transparency initiative under which industries will be categorised from one to five stars, with one star being the least compliant and five stars being the most compliant to the pollution standards set by the regulator. The initiative has been launched with a view to combat industrial pollution, which has become a grave matter of concern for the entire nation. The move will also help citizens to identify the sources of pollution in their neighbourhood and city. The star program also recognizes the efforts of industries that take responsibility to maintain a clean environment and go beyond what the regulations require them to do. This system will also encourage and induce industries to adopt clean technologies. At the end, Prof. S. D. Delekar (Coordinator UIIC, Shivaji University, Kolhapur) proposed the vote of thanks.



Some photographs of the “Star Rating Program”

4) “Industry-Institute Interaction Programme related to Banking Sector” with Department of Commerce and Management (MBA Unit), Shivaji University, Kolhapur.

We have conducted Industry-Institute Interaction Programme on Banking Sector on 5th October 2018, in Shivaji University campus, in collaboration with Department of Commerce and Management (MBA Unit). Prof. Thakar (HoD, Department of Commerce and Management-MBA Unit) put the objectives of this program and the introduction of the guests. The chief-guest of this function was Mr. Ajit Deshpande (Manager, Federal Bank, Kolhapur Branch) and President of this function was Prof. S.D. Delekar (Coordinator UIIC, Shivaji University, Kolhapur). Mr. Deshpande addressed the gathering with his talk on the importance of banking sector in socio-economical relevance of country as well as the need to type with University to resolve the emerging issues related to banking system. Mr. Deshpande also gave idea about the role of modern bank in the economic development of the country. Prof. Delekar delivered the Presidential address in this function. Dr. Ingavale Madam, Dr. Kharge Madam, Mr. Patil Sir and other delegates of the University departments have attended the same program.



Photographs during Industry-Institute Interaction Programme related to Banking Sector

5) A meeting was held at MC hall on 17/10/2018 at 5.00 pm under the Chairmanship of Hon'ble Pro-Vice-Chancellor Prof. (Dr.) D.T. Shirke to discuss about the mutual cooperation between University and Industry domains.

Minutes of UIIC meeting held at MC hall on 17-10-2018

A meeting of the following members is held at MC hall on 17/10/2018 at 5.00 pm under the Chairmanship of Hon'ble Pro-Vice-Chancellor Prof. (Dr.) D.T. Shirke to discuss about the mutual cooperation between University and Industry domains.

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|-----------------------------------|---|
| 1. Prof. (Dr.) D.T. Shirke | Pro-Vice-Chancellor, SUK |
| 2. Prof. (Dr.) P.S. Patil | Dean of Science & Technology, SUK |
| 3. Prof. (Dr.) A. M. Gurav | Dean of Commerce & Management, SUK |
| 4. Prof. (Dr.) P.D. Raut | Dean of Interdisciplinary Studies, SUK |
| 5. Dr. Jaydeep Bgai | Director, DoT, SUK |
| 6. Prof. (Dr.) Sambhaji D. Shinde | Rector, Appasaheb Pawar Vitharthi Bhavan, SUK |
| 7. Prof. (Dr.) S. D. Delekar | Co-ordinator, UIIC, SUK |
| 8. Shri. Suresh Chougale | Representative of Industry |
| 9. Shri. Samir Patil | Representative of Industry |
| 10. Shri. M. B. Shaikh | Representative of Industry |
| 11. Shri. Surjitsing Pawar | Representative of Industry |
| 12. Shri. Abhijit Naik | Representative of Industry |

The minutes of a meeting are as follows:

A) LABOUR SCHEME

Under labour scheme, it is unanimously decided that as per the needs of the industry, the University can provide the on-campus or off-campus students so as to extend opportunities to the students during their educational endeavors and to the industries for completing their desired work from the needy and hard working students. In addition, students can get exposed to the work culture of industries. The various job-opportunities including data-entry, working with Tally, accounting work in the office of CA, etc. These openings will be communicated by the industries to Prof A. M. Gurav for further necessary actions. In addition, Prof. A.M. Gurav and Dr. G.S. Rashinkar, both can take the initiative to place the students in the companies as per their requirements. Prof. S. D. Shinde will look after for this scheme and establish system helpful for Industry and students of the University.

B) DEGREE IN METALLURGY AT DOT

During discussion, it has resolved that the commencement of degree course in Metallurgy at DoT requires the facilities, faculty members, financial provision, etc. In addition, there is also

need to take the permission from DTE as well as AICTE. Because of these issues, it is really a constraint to start a new course in Metallurgy at DoT. Instead of new course, it is possible to start the add-on certificate or diploma courses amalgamated between mechanical, electrical engineering and others as per the need of industries. At the end of this agenda, Dr. J.S. Bagi is requested to take the responsibility in this regard and to see that manpower requirement of industries is met.

C) ENVIRONMENT

To resolve the various environmental issues of the industries, Prof. P.D. Raut (Head of the Environmental Science), in connection with Department of Chemistry, can take the initiative. There are number of environmental problems such as air pollution, noise pollution, ETP, etc and these problems can be solved through the mutual understanding between the industries and the University experts. In addition, University experts can conduct the industrial training programmes to owner or Employee of the companies to make the advancement in their routine work.

D) RESEARCH

Research is very broad area as well as the dire need of both sectors. It is decided that the industries can upload their problems at the UIIC university portal and after that, the respective University experts can make an attempt to address the problem of a company or industry. This is very helpful to both in terms of solving the problem of a industry as well as getting a consultancy or financial assistance to University. In addition, it is also decided that the University can organize a Brain-storming workshop on the various issues of the industries through UIIC.

E)WASTE FOUNDRY SAND

During discussion, it is decided to make a urgent solution to the analysis, reclamation and reuse of the foundry sand. Because, foundry sand is the major issue of the foundry industries situated in the Kolhapur districts. Prof. P.S. Patil and Prof. S.D. Delekar can submit a proposal to RGSTC for the funding related to waste foundry sand.

E) INDO-GERMAN TOOL ROOM

The various courses under INDO-GERMAN programmes can be available for the industries for their further endeavors.

At the end, it is also decided that Shri. M.B. Shaikh and Prof. S.D. Delekar can co-ordinate the further meetings between industrial domains and University Experts so as to resolve issues of industries in win-win manner.

The meeting was concluded with the vote of thanks proposed by Prof. S.D. Delekar.

6) Workshop on “UNIVERSITY–INDUSTRY MEET , Organized by University-Industry Interaction Cell, Shivaji University, Kolhapur & the Institute of Indian Foundrymen on 06th February 2019.

Aiming to provide a platform for knowledge sharing as well as thought provoking discussion about the best practices, expertise available and thereof to resolve the problems of both sectors with mutual partnership between University and Industrial domains, one day workshop on “**University-Industry Meet**”, is organized by University-Industry Interaction Cell, Shivaji University, Kolhapur in collaboration with the various industrial associations include, The Institute of Indian Foundrymen, Gokul Shirgaon Manufacturers Association (GOSHIMA), Kolhapur Engineering Association (KEA), Shirolu Manufacturers Association, Kolhapur (SMAK), Kolhapur Chamber of Commerce & Industries (KCCI), Manufacturing Associations of Kagal & Hatkanagale,(MAKH), Shri Laxmi Industrial Manufacturing Association (SLIMA), Hatkanagale, Kolhapur Udyam Co.op.Society Ltd. For this workshop, more than 140 representatives from industries as well as Shivaji University campus have been participated. The presidential address of this function is delivered by Hon’ble Prof. (Dr.) D. B. Shinde, Vice Chancellor, Shivaji University, Kolhapur and he emphasized the role of University in development of academic, research and extension activities. Shri. M. B. Shaikh, representative of Industrial Sector, spoke about why there is need of rapport between the academic partner and industrial partner. In addition, Industrialists are willing to help the Universities for further developments; which are helpful to the common peoples. Prof. (Dr.) P. S. Patil highlighted about the University in terms of expertise working in the different thrust areas of research, instrumental facilities available in the University. He also discussed about the instrumental facilities to be made available for the Industries. Some photographs of the Workshop are shown below.









समाजाच्या उन्नतीसाठी सामूहिक प्रयत्नांची गरज

कुलगुरू शिंदे : 'विद्यापीठ-उद्योजक भेट'

कोल्हापूर: प्रतिनिधी
विद्यार्थी, संशोधक आणि उद्योजकांनी संशोधनाच्या माध्यमातून समाजाची इज्जती साजल्यासाठी सामूहिकरीत्या प्रयत्न करणे गरजेचे आहे. असे प्रतिपादन विद्यार्थी विद्यापीठाचे कुलगुरू डॉ. देवानंद शिंदे यांनी बुधवारी केले. विद्यापीठ परीक्षेसाठी उद्योजक समूहाने पुढे देऊन विद्यापीठातील संशोधनासाठी सकारात्मक भाव दाखविल्याचा प्रयत्न करीत आहेत, ही महत्त्वाची खाव असल्याचेही त्यांनी सांगितले.

विद्यापीठ उद्योजक संघात कस व कोल्हापूर उद्योजक समूह यांच्या संयुक्त विद्यमाने आयोजित 'विद्यापीठ-उद्योजक भेट' ही एकदिवसीय कार्यशाळा जनसंस्पर्शातच अधिविभागाच्या निम्बंबरी सभागृहात झाली. या कार्यशाळेच्या उद्घाटनारंभी कुलगुरू डॉ. शिंदे बोलत होते. यावेळी राज्य उद्योजक एस. बी. सोख प्रमुख उपस्थित होते.

डॉ. शिंदे म्हणाले, विद्यापीठातील आंतरराष्ट्रीय दर्जाची उपलब्ध साधन साधने संशोधक विद्यार्थी आणि उद्योजकांना त्यांच्या क्षेत्रामध्ये नवनिर्मिती करण्यासाठी सहाय्यपुत्र उत्पन्न आहेत. उद्योजक एस. बी. सोख म्हणाले, विद्यापीठातील कर्मचा शिक्षक योजनेतील इच्छुक विद्यार्थ्यांना जागृतीसह आजहीच्या क्षेत्रात कामाचा अनुभव प्राप्त होण्यासाठी उद्योजक निविशत प्रयत्न करणार आहेत.

यावेळी प्र. कुलगुरू डॉ. टी. टी. शिंदे यांनीही मार्गदर्शन केले. अधिष्ठाता डॉ. ए. एस. मुख यांनी प्रास्ताविक केले. कुलसचिव डॉ. बिलास नंदबडेकर यांनी आभार मानले. यावेळी अधिष्ठाता डॉ. पी. एस. घाटील, डॉ. एस. बी. डेलेंकर, डॉ. ए. जे. तुले यांच्यासह नमूद उद्योजक, विद्यार्थी, निदेशांन्नी, संशोधक, शिक्षक उपस्थित होते.

***7) Guest Lecture on “Economical Journey of Independent India” on 27th February 2019
Organized by: University-Industry Interaction Cell, Shivaji University, Kolhapur & Gokul
Shirgaon Manufacturers Associations and other Industrial Associations situated at Kolhapur***

University-Industry Interaction Cell in collaboration with the Kolhapur-based Industrial Associations has arranged a popular lecture of Dr. Vinayak Mahdev Govilkar (Member, Maharashtra State Planning Commission) on the topic entitled “Economical Journey of Independent India (स्वतंत्र भारताचा आर्थिक प्रवास)” on 27/02/2019 at 5.00 clock at Rajarshi Shahu Auditorium Hall, Shivaji University, Kolhapur. The various industrial associations include The Institute of Indian Foundrymen (IIF), Gokul Shirgaon Manufacturers Association (GOSHIMA), Kolhapur Engineering Association (KEA), Shirolu Manufacturers Association, Kolhapur (SMAK), Kolhapur Chamber of Commerce & Industries (KCCI), Manufacturing Associations of Kagal & Hatkanagale (MAKH), Shri Laxmi Industrial Manufacturing Association (SLIMA), Hatkanagale, Kolhapur Udyam Co.op.Society Ltd., have been participated in this lecture. The dignitaries such as Hon’ble Registrar Dr. V.D. Nandawadekar, Chief-guest Dr. Vinayak Mahdev Govilkar, Prof. (Dr.) A. M. Gurav (Dean, Faculty of Commerce and Management), Sanjay Shethe (President Kop. Chemb. of Comm.), Shri. Shrikant Potnis (Vice-president, GOSHIMA), Prof. (Dr.) S.D. Delekar (Co-ordinator UIIC) are present on the dias, while more than 100 representatives from industries as well as Shivaji University campus have attended the lecture. This lecture began with welcoming the all respected guests as well as participants by Prof. (Dr.) S.D. Delekar. Shri. Shrikant Potnis gave the introduction about guest and about the various activities conducted by the industrial associations.

The chief guest, Dr. Vinayak Mahdev Govilkar has addressed the gatherings with a very provoking talk on economical journey of independent India. In his lecture, he gave information on economical journey of India from 1947 to 2018 in four steps. After Independence, Indian government has been focused on strengthening social, agricultural aspects of the country through the more extent of communism as well as the less extent towards the liberalization. This economical trend was appeared from 1951 to 1974 due to the the majority of only one ruling party in the Indian government. In emergence period from 1975 to 1977, the government has not taken the policy decision to maintain the further progress of Indian economy and hence there was declination of the Indian economy. After 1977 to 1991, the Indian movement was in the form of coalition of the different political parties and hence the government in that period was totally

unstable, imbalanced and hence the Indian economy was reached to very poor level. With this situation, 1991 onwards, the government has accepted the GATT agreement for globalization, liberalization, etc to boost the Indian economy. Because of this agreement, the Indian economy was in progression up to 2008 and has been reached up to the mark in comparison to other developed countries. However, due to global economic recession in 2007-2008, the Indian government has been launched many schemes for the lower income or poor people of the country. Through the different schemes, the ruling parties of the government (2009 to 2014) have made the various corruption, scams, etc. To stop the corruptions and frauds of the government systems, government has launched the different schemes such as demonetization, GST, and others; but still we have the various constraints such as unemployment, economically disparity; which is to be solved with very strong decisive policies. Dr. V.D. Nandawadekar gave the presidential address to audience and finally shri. Sanjay Shete talk with vote of thanks. Some glimpse of guest lecture is shown in bellow.



बेकारी, आर्थिक विषमता आव्हाने

कोलकाता : प्रतिनिधी
राष्ट्रीय सक्ता उद्यमनात देश सहामुखा क्रायमकाल आस्ता तरी बेकार, आर्थिक विपमता आणि पैस कर बुडोरी ही सक्ताकमेरी मोठी आव्हाने आहेत, असो प्रतिपादन नव्येड अर्जत शर्मा आणि राण निवतन मंडळाने सदर द. वि.प.क. गोविन्दर यांनी केले.

निगमाची वित्तव्यवस्थापनी उद्योग कड आणि विविध औद्योगिक कंपन्यांनी "स्वतंत्र भावनावा आर्थिक प्रस्ताव" वा विपनावार आयोजित व्याख्यानत ते प्रोत्साहन दिले. आयुष्यस्थानी कुलसचिव डॉ. विलास

कोल्हापुर : विद्यापीठातील उद्योग कक्ष आणि विविध औद्योगिक संघटनांतर्फे 'स्वतंत्र भारताचा आर्थिक प्रवास' या विषयावर आयोजित व्याख्यानात बोलताना डॉ. विनायक गोविलकर, (डाया : पप्यु अन्ना)

आर्थिक स्थिती मजबुतीसाठी भोरणे राबविली. १९७५ ते १९७७ चा इंदिरा गांधी यांच्या आगोवाणीच्या काळात आर्थिक भोरणे टाळण्यात आली; तर तिसऱ्या टप्प्यात म्हणजेच १९७७ ते १९९१ चा काळात विविध पथांची

सहा आलवने राजकीय व सहा
असिख बाजारी. त्यामुळे अर्थविक
मुबला विषयाने महाराष्ट्र बाजारी.
१९९१ ते १९९९ वा काळात मिश्र
पांडवलेबाजारी. २००० ते २००२ असा
प्रथम झाला. २००३ ते २००४ व
काळात बाजारीने बाजारी अर्थविक
प्रगती केली. २००४ ते २०१० वा
काळात बाजारी सहाजारी अर्थविक
देवाहाजारीने निमित्त पोलेने. मात्र वा
काळात राजकीयबाजारी सही प्रगती
झाल्या. व.स. एस. वी. डेवले
पती प्रगतीबाजारी केली. काजारी
डोकीने बाजारीने बाजारी, बाजारी
रोडे, राजू फाटील, विवर्जित
कुलवली, मोहन पंडितबाजारी
आजारीने डोकीने डोकीने डोकीने

8) UDYAM SAMAAGAM On 27 to 28th March 2019 at Shivaji University Kolhapur organized by MSME-Technology Development Center (PPDC) Ministry of MSME, Government of India Foundry Nagar in association with Department of Technology, Shivaji University Kolhapur

MSME-Technology Development Center (PPDC) Ministry of MSME, Government of India Foundry Nagar has been arranged two days Industries exhibition at convocation hall Shivaji University. For this exhibition, more than 50 representatives from industries as well as Shivaji University have been participated. The main agenda of this programme was “Procurement and marketing support scheme”. This programme also included foundry based technical seminar relating to productivity improvement as well as to export marketing.

For this programme prof. (Dr) D. B. Shinde Sir (vice chancellor of Shivaji University), Prateek Parashar (Field officer EC-Kolhapur), P. R. Joshi (Assit. Director & Head EC- Kolhapur), Dr. V.D. Nandavadekar (Registrar, SUK), S. B. Kale (Programme Coordinator, Dept. of Technology SUK) were present. This programme was inaugurated by Prof. (Dr) D. B. Shinde Sir and he addressed to the audience. After inaugural function Prof. (Dr) D. B. Shinde Sir and all members were meets different stall.

We are happy to say that our University Industry Interaction Cell (UIIC) has actively participated in this programme. In this programme we prepared different poster presentation which is helpful for the Industries as well as University. In that poster presentation, different instrumentation facilities are available at University was showing. In another side on-going research endeavours in collaboration with different department as well as Industries was also showing. Some photograph is shown in bellow.



Shivaji University

Instrumentation facilities



Central Facility Centre (CFC)

- Thermal Analyser (DSC / TGA) for thermal studies
- Microwave Digestion System
- Gas Chromatograph-Mass Spectrometer
- FTIR Spectrometer
- Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)
- DLS Particle size analyzer/Zeta potential

Instrumentation Facility at Chemistry Department

- BET Analysis for Surface Area Measurement
- UV-VIS-NIR Spectrophotometer for absorbance or reflectance mode
- Time resolved photoluminescence spectroscopy
- DLS Particle-Size analyzer
- NMR Analysis
- Photoluminescence spectroscopy
- Spectrofluorometer

Physics Instrumentation Facility Centre (PIFC) at Department of Physics

- FESEM Analysis for Morphological Study
- Electrochemical workstation
- Atomic Force Microscope (AFM)
- Thermal conductivity
- Solar Simulator
- X-ray diffractometer
- Spectrophotometer and Spectrophotometer
- Raman spectrometer

Instrumentation Facility at Department of Nanoscience and Technology

- Chemical vapor deposition
- Electrochemical workstation: DPVS and DVS for Electrochemical Characters
- Electrospinning
- Spray pyrolysis
- SILAR
- Contact Angle measurements
- Electrochemical quartz crystal microscope
- Scanning Electrochemical Microscope



Shivaji University

UNIVERSITY INDUSTRY INTERACTION CELL



Antibacterial Paints
(Fortune Coat Industries Ltd. Kagal)

Formulations of Limescale Removal
(Mehta Soap Factory Ltd.)

Analysis of Sand Sample & Alloys
(Synergy Green Industries Ltd. Kagal)

Enhancing the Conductivity of Material
(Wellpro Com. Pvt. Ltd., Kolhapur)

On-going Industrial Research Endeavours

Fireside Catalysts Development
(Cazan Cotsol Pvt.Ltd.)

Smart Materials Development
(Reliance Industries Ltd.)

Ayurvedic Tablet Formulations
(SG Phyto Pharma Ltd.)

Nanofabrics Development
(Powerloom Clusters, Ichalakaranji)



9) Minutes of UIIC meeting held at MC hall on 10-04-2019

A meeting of the following members was held at university on 10/04/2019 at 3.00 pm under the Chairmanship of Hon'ble Pro-Vice-Chancellor Prof. (Dr.) D.T. Shirke to discuss the strategies to consolidate the university-industry relations.

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| 13. Prof. (Dr.) D.T. Shirke | Pro-Vice-Chancellor, SUK |
| 14. Prof. (Dr.) P.S. Patil | Dean of Science & Technology, SUK |
| 15. Prof. G. S. Gokavi | HOD, Department of Chemistry, SUK |
| 16. Prof. V. J. Fulari | HOD, Department of Chemistry, SUK |
| 17. Prof. K. Y. Rajpure | Coordinator, USIC-CFC, SUK |
| 18. Prof. (Dr.) S. D. Delekar | Co-ordinator, UIIC, SUK |
| 19. Dr. Jyotiprakash B Yadav | Scientific Officer, USIC, SUK |
| 20. Dr. Sushilkumar Jadhav | SNST, SUK |

The minutes of a meeting are as follows:

Meeting was started with the welcome of the members by Prof. S.D. Delekar and then as per the agenda of a meeting various issues were discussed in detail.

(i) Rapid analysis of industrial samples from USIC, CFC, PFIC and from other facilities located in various departments. Possible strategies to be implemented immediately.

To analyze the Industrial samples urgently, it is unanimously decided to adopt the following protocols in the university campus:

a) Single point contact system:

UIIC can give this responsibility to one research fellow or person to receive the industrial samples. The various official formalities such as requisition form (**annexure I**) [to be filled by industrial partner], work order (**annexure II**) [to be filled by UIIC], etc with the respective charges (**either DD or payment to respective budget head taken from industrial partner**] defined by the concerned department/centre up to giving the report or data or results to the industrial partner should be completed through the single point contact system.

After receiving the samples as well as the other official documentation, a concerned fellow or person can contact to the in-charge of desired instrument available at the respective department/centre and then these results or data will be given to the industrial partner within 2-3 working days through UIIC.

b) Research fellow as instrument operators and their remuneration:

The respective department/centre can give the charge of each instrument to one of the departmental research fellow/scholar with prior training of the instrument. For each analysis, research fellow/scholar can get the 10% remuneration with respect to the total analysis charges on a particular instrument/equipment.

c) Instrumentation training to the research fellow:

Common facility centre of our university should provide the training on instruments to the research scholars in the summer period of every academic year. This would be beneficial to the research scholar as well as to give the charge of instruments; if needed urgently.

d) Instrumentation as well as Expertise data base:

The data base of the instruments (**annexure III** – with in-charge operator name as well as charges) as well as expertise available (**annexure IV**) in the university department /centre should be made by Dr. J.B. Yadav (CFC) and Dr. Tarwal (Physics department). Then the data-base of instruments and expertise will be published at University web-site for further perusal.

ii) Industry-University joint projects. Handling of proposals, approval and costs and availability of all facilities for activities related to industrial projects etc.

For the Industry-University joint projects, the concerned faculty or department can contact to the respective industrial sector to resolve the constraints or problems associated with the industries. The tentative cost or expenditure of the proposed project should be defined mutually and then it is submitted to the University in the prescribed format (**annexure IV**) for further approval. With prior approval of University authority, the faculty member/s can run the industrial projects.

iii) Paid consultancy services by university experts to industries:

The policy of consultancy services is already adopted by the University and hence the consultancy services by university experts to industries will be made accordingly.

iv) Other item with permission of Chair:

With permission of Chairman Prof. D. T. Shirke, the following items have been discussed:

a) Corporate training program to the industrialists

Each University department or center can arrange one-day corporate training program to the persons working in the industries (from worker to owner) or other service sectors like finance, management, etc. This program is to be conducted in the month of May 2019 and organizers can take the registration fee from the participants. The details of the program proposal includes name of the program, objectives, tentative schedule, date of the program, etc should be communicated to Prof. S.D. Delekar.

b) Short-term Foundry Course:

As per the request from The Institute of Indian Foundrymen - Kolhapur Chapter, we will further meet with the starting of short-term Foundry course at University campus. It is also decided that Prof. S.D. Delekar can co-ordinate the further meetings between industrial representatives and the concerned HOD of University department so as to resolve issues related to this course.

c) NABL approval:

Dr. J.B. Yadav as well as Dr. Sushilkumar Jadhav can look for the approval of National Accreditation Board for Testing and Calibration Laboratories (NABL).

The meeting was ended with the vote of thanks proposed by Dr. J. B. Yadav