

INSTITUTE OF SCIENCE & TECHNOLOGY FOR ADVANCED STUDIES & RESEARCH (ISTAR)

DIRECTOR'S REPORT (A.Y. 2015-16)
(9th MARCH, 2016)

17th ANNUAL DAY REPORT of ISTAR : 2015-16

ISTAR is NAAC certified A grade institute exclusively for P G Studies and Research and at present, ISTAR is conducting 12 P G programs and 3 Institute level Add-on courses

- One year P G Diploma in Geoinformatics in association with IIRS (ISRO)
- 3 Months Certificate course in QA in Pharma Industry
- 40 Hrs certificate course in Microcontroller Based System Design

MIHS, MV and SCT programs conducted by ISTAR are unique in Entire Country.

As a Head of Institute, it is my humble duty to brief you about facts & figures of ISTAR pertaining to **Faculty Team, Teaching Model, Research & Consultancy work, Physical Infrastructure, Results and Finally Placement** (NAAC Framework)

Faculty Team: ISTAR faculty team is well qualified in diverse domain and 58 % are holding Ph.D. and 6 are pursuing Ph.D.

During this year, ISTAR faculty members have delivered **Expert Talks** at more than 30 conferences & seminars.

15 faculty members are in board of study and contributing in curriculum development and programs restructuring. Due to their contribution and initiatives New syllabus is introduced in IC, PST, SCT from 2015-16

M.Sc. Instrumentation is restructured as M.Sc. Instrument & Control from June - 2015 and 2 new Electives - SATCOM Instruments and Meteorological Instruments are introduced (First time in India and will get support form ISRO for capacity building)

GIS Paper is introduced in M.Sc. IT from June 2015 and only ISTAR has GIS skilled faculty and required GIS lab facilities among SPU affiliated colleges.

29 Guest Faculty are also associated with ISTAR for academic support.

Student Strength: We have total 660 students including 26 Ph.D. Scholars

Teaching Model

In addition to class room teaching - seminars, expert talks, Industrial visits and project training are considered as integral part of our Teaching Model. For cultivating right attitude and soft skill, linkage is established with Globarena (Hyderabad).

During this year, we have organized 27 Seminars, 31 Expert Talks and 23 Industrial visits and many departments are regularly organizing WEB Seminars.

Faculty members have attended 31 seminars / conferences and Students have attended 36 seminars & conferences

Research and Consultancy

Received Research Grant of more than 25 lakhs

Consultancy & Analytical Services: 7 lakhs

R & D proposals pending for approval: 50 lakhs

Faculty Team have published 69 Research papers and presented 32

Students have published / presented 27 research papers

R & D Centre:

Recently R & D centre is established at ISTAR for developing IT services for CVM Institutes. One Mobile App is developed and published through Google Play Store. Comprehensive data of 8800 students and 1120 faculty members of CVM is uploaded and linked with Mobile App.

Physical Infrastructure

We have 21 Labs, All Class Rooms are ICT enabled, Campus is Wi-Fi enabled, Library is well equipped and time to time facilities are upgraded with CVM Support

Network Operating Centre: This is a Unique Facility at ISTAR

ISTAR is Maintaining Web Space of more than 600 CVM Faculty Members

Web Site of 35 Colleges

Wi-Fi Network of 21 colleges

Security & Services of 3500 IP Nodes

Bandwidth Distribution & Management: 320 MBPS

Sports, Co-curricular, Extension & NSS Activities

SPU Sports: Runner-up position in Volley Ball, Third Position in Kho-Kho and Semi-Final position in Cricket

Co-curricular Activities under RUSA: 'A' Grade by NAAC & KCG has helped ISTAR in receiving RUSA grant.

Organized One Day Training Program on Time & Task Management for ISTAR staff
Organized One Week workshop on "Role of Statistical Methods in Data Analytics"

Extension Activities:

MIHS (ISTAR) & Toronto Uni. jointly organized a video contest for creating Silicosis Awareness. 3 Prizes- Rs.10000, Rs.7000 & Rs.5000 were given to winning team by Toronto University.

ISTAR distributed 3000 Eco-friendly bags costing Rs.55000 at Anand Vegetable Market.

Complete Detail of SPORT, NSS & Extension activities is provided in Galaxy Magazine to be released today

Institute Achievements

- Conducted DST sponsored 21 Days Winter School on Geospatial Technology. Experts were invited from ISRO, C-DAC, Industries, MP State Govt. and Academia Faculty members from IT, Agriculture, Management, Physics, Civil Engineering, Environment and Biological Sciences participated. CVM Faculty members from ISTAR, BVM, GCET, V P Science and NVPAS benefited
- 3 Days International Conference organized at Bangalore jointly by MIHS department of ISTAR & CIHA
- MoU signed with Balaji Institute Vadodara for creating awareness and inspiring their students for joining one year P.G. Diploma Course in Geoinformatics. (14 students of Balaji Institute are enrolled for 2015-16 Batch)
- Prepared Policy document for GNFC for Paints & Reducing Corrosion Losses (This will help GNFC in plants maintenance and ISTAR in taking-up more Analysis & consultancy work)

- Strengthened coordination with IIRS (ISRO) for Online Courses in Geospatial Technology and Faculty development (Dr. Kapse, attended 2 months summer training at IIRS – ISRO in 2015)
- Signed MoU with Zydus Cadila for expert talks & Project Training for IC Department
- Signed MoU with Pidilite Industries, Mumbai for Development and Characterization of Emulsions and received Rs. 1 lakh as seed money
- Signed MoU with Small Scale Paint Association - Gujarat Region for conducting skill development course approved by DDIT and CED – Centre for Entrepreneurship Development
- Signed MoU with Seven Seas Paints, Greater Noida for consultancy & development work for Paints & Coatings and received Rs.50,000 as seed money

Student Support at ISTAR

Rs.49,000 Asian Paints Scholarship given to 5 students of SCT department

Rs.32,000 Umesh Pathak Scholarship given to 2 students of SCT department

Rs.30,000 Lupin Scholarship for one student of IC department

Rs.20,000 MISA Scholarship for 2 students of IC department

Rs.5,000 Neoplast Scholarship for 2 students of PST department

GEC provided Rs.21,000 stipend for project work of 3 students of EST department

GPSB provided Rs.15,000 stipend for project work of 5 students of EST department

GUJCOST provided Rs.12,000 stipend for project work of 5 students of EST department

CVM Scholarship

One student of MCA – Semester VI granted 50 % fees concession

Rs.12,000 Aurbindo Mataji Scholarship for 1 IT and 2 SCT students

Rs.7,000 C. C. Patel Scholarship for 1 MCA student

Rs.6,000 Taraben Patel Scholarship for 1 IC student

SICART training is provided for M.Sc. Students of Chemical Sciences, Instrumentation & Control and EST department.

Academic Achievements of Students (NAAC suggestion)

Tirth Panchal & Ankit Patel, Ph.D. students of IC Dept. presented paper in Annual Meet at Florida, U.S.A

Ms. Shamiyan Khan , Ph.D Student of EST Dept received Best Paper Award during International Conference organized at Phuket, Thailand

Ms. Kavita Thakur, Ph.D Student of EST Dept. received young scientist Award and cash prize of Rs. 9000 during International Conference organized at Delhi

Result & Placement: Result and placement record of ISTAR is Excellent. 100 % results for all departments except OC 72 % and MCA 96 %

This year, 9 Students have received Gold Medal. Congratulations to all students and department staff

Placement of 2014-15 Batch: 100 % in Chemical Sciences, MV and MIHS
75 – 80 % in other departments

Future Plans:

Start M.Sc. in Geoinformatics & M.Sc. in Mobile Technology & Applications from 2016-17

Start certificate course and consultancy work in Network Operations & Mobile App Development (This will improve enrollment in IT department)

Start 6 months certificate course in Valuation (as per Indian Bank Association Report)

Introduce New Syllabus in Environment Science & Technology from 2016-17

Strengthen Institute – Industry Interaction for improving teaching model and scholarship support

Finally, Words of Appreciation and thanks

ISTAR is extremely thankful to all industries and companies who have helped us in recruitment of our students and shown sustained faith in ISTAR.

ISTAR is thankful to all agencies & individuals providing scholarship to ISTAR students

Sincere thanks to Dr. C. L. Patel Sir, President of Today's function & Hon. Chairman CVM for his constant motivation and guidance.

Special thanks to Principal S.M. Patel, Dr. J.D. Patel and all joint secretaries of CVM for their kind support

Sincere thanks to Tyagi Saheb, Chief Guest of today's function for accepting our invitation and sparing valuable time with us

Sincere thanks to all Guest Faculty for extending academic support to ISTAR

Best wishes and good luck in advance to all senior students completing their study this summer & **Remember Golden Message: *Subject Expertise is not enough for success, Right Attitude & Fast Learning Ability are essential***

Thank you All