



ICAR-NAARM Celebrated 3rd Graduation Ceremony of PGDMA

The Academy organized 3rd Graduation Ceremony on October 6, 2018 for awarding the diploma for the students of Post Graduate Diploma in Management- Agriculture (PGDMA). During the ceremony, 45 students of PGDMA received the Diploma certificate in person. Total 10 students were awarded certificate in absentia. Two students from each batch of PGDMA were also given Gold and Silver medals for the best academic performance. Sh. V Vijay Kumar, MD & CEO, National Commodity & Derivative Exchange (NCDEX) was the Chief Guest. He urged all the graduating students to give their best for the organizational and societal goal and create credible impact. The Guest of Honour Sh. KS Raju, Chairman, Nagarjuna Group advised the young students to be prepared to accept different kinds of challenges, for which they need to think out of the box. Dr. Ch Srinivasa Rao, Director of the Academy informed that the Academy is transforming towards a leadership role in policy guidance in all spheres of agricultural research management. Agribusiness being the pivot element in accelerating the income of the farmers, all the young students should serve the country with their full energy and compassionately.



Ms. Sheesham Rana, PGDMA 2015-17 (above) and Ms. Naushaba Khatoon, PGDMA 2016-18 (below) receiving Gold Medal



Scientific Meetings

In this issue...	
Scientific Meetings	1
Training Programme	3
Events	8
Academic News	11
aIDEA News	12
Faculty Achievements	13
Staff News	18

3rd and 4th Meetings of 7th QRT

The third meeting of the 7th Quinquennial Review Team (QRT) of NAARM was held during October 23-24, 2018 under the Chairmanship of Dr. Mangala Rai, Former Secretary, DARE and Director General, ICAR; and members Dr. B Venkateswarlu, Former Vice Chancellor, Vasant Rao Naik Marathwada Krishi Vidyapeeth, Parbhani, Maharashtra; Dr. Mathukutty M Monippally Professor (Retd.), IIM-Ahmedabad; Dr. Ch Srinivasa Rao, Director, NAARM; Heads of Divisions; Head, PME Cell; JD (Administration) & Registrar and CFAO of NAARM. The QRT also held discussions with other stakeholders viz. Directors and HoDs of other ICAR institutions, Deans of Agricultural universities and interacted with senior scientists & scientists of other institutions.

Director, ICAR-NAARM briefed the members about the previous meeting and presented the agenda of this meeting. The Chairman, QRT, emphasized that Academy should focus on how to become a world class institution in the area of capacity building.

The fourth meeting of 7th Quinquennial Review Team (QRT) of NAARM was held on December 17, 2018 under the Chairmanship of Dr. Mangala Rai. The meeting was attended by the QRT members: Dr. B Venkateswarlu, Prof. Mathukutty M Monippally, Dr. (Mrs.) Ranjini Warriar, Former Advisor, Ministry of Environment, Forests & Climate Change, New Delhi; Dr. Praveen Arora, Advisor & Head, National Science & Technology



Management Information System (NSTMIS), Department of Science and Technology, New Delhi; Dr. Ch Srinivasa Rao, Director, NAARM; Heads of Divisions; Head, PME Cell; JD (Admin) & Registrar and CFAO, NAARM.

All the Heads of six Divisions of the Academy presented the work progress for the period 2012-17. Future plan and thrust areas for each division was also discussed before the QRT. The Chairman emphasized that NAARM should be the think tank for ICAR system. Director, ICAR-NAARM presented the brief overview of NAARM. The meetings were coordinated by Dr. SK Soam, Member Secretary, QRT.



QRT-RAC Interface Meeting

An interface meeting of QRT and RAC was held on December 19, 2018 under the Chairmanship of Dr. Mangala Rai, Chairman, QRT. Dr B Venkateswarlu, Member, QRT; Dr RK Samanta, Member, RAC; Dr Ch Srinivasa Rao, Member, RAC; Dr. SK Soam, Member Secretary, QRT and RAC attended this meeting. During the meeting, several observations were discussed by members of QRT and RAC. QRT is completely in tune with RAC recommendations that NAARM should make



'Regional' and 'Global' presence. This meeting was coordinated by Dr. SK Soam.

RAC Meeting

The second meeting of 7th Research Advisory Committee (RAC) of NAARM was conducted on December 21, 2018 under the Chairmanship of Padma Shri SK Sopory, Former Vice Chancellor, Jawaharlal Nehru University,



New Delhi. Dr. Ch Srinivasa Rao, Director, NAARM welcomed and introduced the Chairman and members. He also presented an overview of the Academy. The RAC reviewed the research and capacity building progress, and suggestions were given for further improvements to attain global visibility. The RAC members viz. Dr RK Samanta, Shri M Dharma Rao, Shri V Venkateswarlu and HoDs as co-opted members and Incharges as special invitees from NAARM attended the meeting. Dr. SK Soam, Member Secretary presented action taken report to members of RAC. The meeting was coordinated by Dr. SK Soam, Member Secretary, RAC.

IMC Meeting

The 56th meeting of Institute Management Committee (IMC) was held under the chairmanship of Dr. Ch Srinivasa Rao, Director, ICAR-NAARM on December 22, 2018. The meeting was attended by Shri B Pradhan, Additional Secretary, DARE & Financial Advisor, ICAR and Shri M Dharma Rao as members of the Committee and Shri KV Ramaraju, JDA (Seeds and Crop Insurance), nominee of Special Commissioner of Agriculture, Department of Agriculture, Government of Andhra Pradesh; Smt. G Narimani, Additional Director of Agriculture and nominee of Director of Agriculture, Department of Agriculture, Government of Telangana. All the Heads of Divisions were invited as co-opted members.



Training Programme

Advances in Web and Mobile Application Development

A training programme on 'Advances in Web and Mobile Application Development' was held at the Academy during October 5-10, 2018. The program aimed to expose the participants on the advances in web and mobile application development and to educate them on various existing and advanced software tools for web and mobile application development. Nineteen participants from different ICAR institutions, KVKs and SAUs across the country participated in the program. The program consisted of both theoretical and practical aspects on various topics. The trainees were exposed to basics of core

Java, introduction to Android development, installing Android Studio, user interfaces, visual components, working with resources, interacting with UI, storing and retrieving data through SQLite Database, user interface controls, integrating with web services, activities & intents testing, debugging, publishing, latest tools in mobile apps development etc.

(Program Coordinators: Drs. N Srinivasa Rao and M Balakrishnan)

IFS Probationers Trained on Communication Strategies and PRA

The Academy organized a tailor-made training program on 'Participatory Rural Appraisal (PRA) and Communication Strategies' for the Indian Forest Service (IFS) probationers of 2017 batch during October 06-07, 2018. Apart from 84 IFS Probationers, two officers belonging to Royal Bhutan Forest Service also participated. The training was organized as a part of Memorandum of Understanding (MoU) signed between ICAR-NAARM and Indira Gandhi National Forest Academy (IGNFA), Dehradun.

The training comprised of hands-on modules on various PRA tools, mobile-based digital communication techniques, use of analytical hierarchy process (AHP) for prioritization of decisions and an experiential learning module on panel discussion. The probationers were introduced to the emerging issues in natural resource management with respect to climate change and were



sensitized on the need to work with researchers as collaborators, so as to harness the benefits of synergy. Dr. Ch. Srinivasa Rao, Director, ICAR-NAARM emphasized that this is the beginning of a long-term partnership between the two National Academies of international repute and wished all the probationers a successful career. Dr. K Sasikumar IFS, faculty from IGNFA, Dehradun and



Coordinator acknowledged that the module was organized very effectively and the same shall be an integral part of the foundation training of all the ensuing batches of IFS probationers.

(Programme Coordinators: Drs. SK Soam, Bharat S Sontakki and P Krishnan from NAARM; Dr. K Sasikumar, IFS from IGNTA)

SEED Programme for Coromandel Retail Store Managers

ICAR-NAARM, in collaboration with Coromandel Retail Learning Academy, organized Skill Enhancement & Employee Development (SEED) Programme for Coromandel Retail Store Managers. The SEED programme is planned in five phases, 3-day each for the same participants. The objective of the training program was to impart the required competencies to agri-input retail store managers for taking up higher responsibilities. The programme was designed to provide knowledge and skill in technical, operational and behavioral domains. The modules covered agricultural policies, developments in agronomic and crop protection practices, customer focused business, positive thinking, personality development, business analytics and business



communication. Thirty retail store managers dealing with agri-inputs completed training in three phases during October 9-11, November 13-15, and December 17-19, 2018.

(Programme Directors: Drs. KH Rao and Ranjit Kumar)

Socio-Economic Impact Assessment of Research Programmes

A training programme on 'Socio-Economic Impact Assessment of Research Programmes' was organized during October 25-27, 2018 at the Academy in which 25 trainees from various institutions of NARES participated. The programme was envisaged to impart knowledge related to impact assessment and hands-on practice in special statistical tools used in impact evaluation. The topics covered include Overview of Impact Assessment (IA), Impact assessment framework for capacity building programme, how to conduct baseline study, case study, focus group discussion; scale construction and testing;

criteria and indicators for IA of research projects; tools of IA, etc. The participants were provided with training manual, softcopies of course materials including presentations, codes and datasets for practicing. Greater emphasis was given to develop framework for IA for different types of projects. The participants were provided various topics related to IA on which they made presentations.

(Programme Directors: Drs. N Sivaramane and P Venkatesan)

MOOC

The Academy organized Massive Open Online Course on Dynamics of Teaching and Learning, 4th in series during November 1-30, 2018 in which 1195 participants registered, representing 250+ organizations. NAARM is the first organization to organize MOOCs in National Agricultural Research and Education System. The online learning activities / assessment included are viewing videos, reading materials, participation in discussion forums, submission of assignments, online examination

etc. Online pre knowledge and post knowledge tests were conducted and this MOOC resulted in about 16 % change in knowledge level. Finally, 482 (40.3% success rate) were qualified for award of certificate contributing about ₹3.5 lakhs to Academy's earnings through certification.

(Programme Directors: Drs. D Thammi Raju and GRK Murthy)

Agricultural Research and Education Management for PJTSAU's Assistant Professors



A ten-day training programme on 'Agricultural Research and Education Management' for newly recruited assistant professors of PJTSAU was held during November 5-14, 2018. Forty-five (45) newly recruited faculty of PJTSAU participated in the programme out of which 24 were females. The freshly recruited scientists belonged to crop, agriculture engineering, veterinary and Home science disciplines. Most of the participants (28) were from colleges; 9 from research stations and 8 from KVKs. The modules covered during the training programme include

Research, Education & Extension Systems; Teaching Basics, Methods & Technologies; Student Mentoring & Motivation; Experimentation Basics, Research Methodology, Project Management Tools, Data Analysis; HRM –Higher education opportunities; Computers, Blogs, GIS & ICTs; Administration & Finance management.

(Programme Director: Dr. SK Soam; Programme Coordinators: Drs. PC Meena and VV Sumanth Kumar)

Winter School on ICT Interventions for Agricultural Development

ICAR sponsored Winter School on 'ICT Interventions for Agricultural Development' was organized at the Academy during November 28-December 18, 2018. Twenty-six participants attended the programme representing nine states of the country namely; Maharashtra, Andhra Pradesh, Telangana, Gujarat,

Jammu & Kashmir, Kerala, Uttar Pradesh, Uttarakhand and Assam. The participants hailed from 12 SAUs and two ICAR institutes. The objectives of this 21-days programme were to sensitize entry and middle level NARES professionals about the concept of ICT and its use in agricultural development and to enhance the competency in using various tools and techniques of ICT. Topics on ICT right from community radio to drones, web designing, blogs, online education, expert systems, mobile apps, IOT and sensors in agriculture, social media, online tools for data collection, online bidding, flipped classrooms etc. were covered. Resource persons were also invited from other ICAR and non-ICAR institutes, and private sector such as Indian Blog Writer's Association, Skykrafts, Kalgudi, AEGIS Consulting Services and Mobitech.

(Course Director: Dr. Surya Rathore; Course Coordinators: Drs. Alok Kumar and VV Sumanth Kumar)



Impact Assessment of Agricultural Research and Technologies

A Training Program on "Impact Assessment of Agricultural Research and Technologies" was held at the Academy during December 04-07, 2018. The programme was conducted to orient the participants to the concepts and description of impact assessment of agricultural research; to acquaint them with techniques/tools and



methodological approaches of impact assessment of agricultural research; and to discuss empirical studies and to synthesize experiences in application of Impact Assessment methods in the domain of agricultural research and technologies. A total of 16 participants, comprising 8 from ICAR institutions, 7 from SAUs and

one from NITI Aayog participated in the training programme. The programme consisted of a blend of lectures, case analysis, discussions and hands-on exercises.

(Programme Directors: Drs. B Ganesh Kumar and I Sekar)

MDP for KVK Programme Coordinators

The 6th Management Development Programme for newly recruited Programme Coordinators of KVKs was organized at the Academy during December 4-18, 2018. The programme registered a total participation of 29 heads of KVKs representing 8 ATARI zones of the country. The modules covered in the training programme were organization and management aspects of KVKs, personality development, communication skills, time management, positive thinking, media management,

statistical tools and impact assessment methodologies. The first phase of the training held at NAARM was concluded on December 18, 2018. The second phase was held during December 22-31 in KVKs at Ramakrishna Ashram, West Bengal; Prakasam, Telangana; Ahmednagar, Maharashtra; Umiam, Meghalaya; and



Kurnool, Andhra Pradesh where the participants underwent Experiential Learning.

(Programme Directors: Drs. Surya Rathore, P Venkatesan and BS Sontakki)

MDP on Priority Setting, Monitoring & Evaluation (PME) for Agricultural Research Projects

The 6th Management Development Programme (MDP) on Priority setting, Monitoring and Evaluation (PME) of agricultural research projects for the in-charges of PME Cells of ICAR institutions was organized at the Academy during December 17-22, 2018. The Heads of PME Cell of 30 ICAR institutions participated in the program. The

MDP comprised of modules on concepts and principles of prioritization, monitoring, evaluation and impact assessment of agricultural research projects. The participants were given hands-on training on the various software tools developed by ICAR-NAARM for project management. They were sensitized on the various scientometric tools, global and national frameworks for measuring research efficiency and ICAR guidelines pertaining to the various functions of PME Cell like data policy, publications, project management, technology management, etc.

The program concluded on December 22, 2018 and Dr. Ch. Srinivasa Rao, Director, ICAR-NAARM delivered the valedictory address. Shri. B Pradhan, Additional Secretary, DARE and Financial Adviser, ICAR graced the occasion as Chief Guest and distributed the certificates.

(Programme Coordinators: Drs. P Krishnan and B Ganesh Kumar)



Off-campus Training Programmes on Developing Winning Research Proposals

Two off-campus training programs on 'Developing Winning Research Proposals' were conducted at National Institute of Food Technology Entrepreneurship and

Management (NIFTEM), Sonapat, Haryana during October 13-15, 2018 and University of Agricultural Sciences (UAS), Bengaluru during December 26-28, 2018.

At NIFTEM, 24 Assistant Professors and 3 Associate Professors participated in the training and were awarded certificates by Dr. Ch Srinivasa Rao, Director, NAARM and Dr. S Vasudevappa, Vice Chancellor, NIFTEM. On this occasion, Dr. KC Bansal, Former Director, NBPGR was the Chief Guest. The local coordinator, Dr. Sunil Pareek said that he attended this programme as trainee in 2007, and prepared a project during training and got funding under NAIP. Therefore, he wanted to conduct this programme for their own young faculty. Dr. SK Soam and Dr Ch. Srinivasa Rao were the coordinators of the programme.

A tailor-made program was held for faculty members of University of Agricultural Sciences (UAS), Bengaluru, wherein 29 faculty members representing different colleges and research stations of the university participated. Dr. Srinivasa Rao, Director, NAARM shared his experiences with real-life cases of winning grants and



Training workshop on Vigilance

A two-day training workshop for vigilance officers of ICAR Institutes was conducted during October 31 - November 1, 2018. 35 Vigilance Officers from various ICAR institutes participated. Shri PVK Ramana Prasad, Principal Chief Legal Advisor Anti-Corruption Bureau, Govt. of Telangana was the Chief Guest on the occasion. The main purpose of the Workshop was to create awareness with several provisions of vigilance and also to develop a platform to discuss matters related to preventive and punitive vigilance. Following are the key recommendations emerged out of the workshop:

- Setting up of Vigilance Cell in each institute with committed staff
- Training and awareness among Vigilance Officers through structured training programme at NAARM
- Opportunities of exposures to Vigilance Officers in other organizations too



also offered tips for self-motivation and positive thinking. Dr. S Rajendra Prasad, Vice Chancellor, UAS, Bengaluru during the valedictory session highlighted the significance of the training program to the faculty members towards advancing the research interests of the University and thanked the Academy for its efforts.

The core content of the program included elements of research concept writing; preparation of project logframes. Most exercises were through hands-on mode and participants were exposed to the research management software developed by NAARM viz., AHP Analyser, Research Concept Writer and Project Logframe Writer.

(Programme Coordinators: Drs. SK Soam and Ch Srinivasa Rao at NIFTEM; Drs. SK Soam, P Krishnan and Ch Srinivasa Rao at UASB)

- Identifying few Vigilance Officers as Master Trainers
- Creating a platform for professional discussion and experience sharing among ICAR institutes Vigilance Officers
- Emphasis to be given on Preventive Vigilance through pro-active actions

(Programme Coordinators: Dr. SK Soam and Shri Ashish Roy)



MDP on Leadership Development

A Management Development Programme on Leadership Development (a pre-RMP Programme) was conducted during December 18-29, 2018 at the Academy for the RMP aspiring candidates of NARES. The programme was inaugurated with a speech by Dr. Mangala Rai, Ex-Secretary, DARE & DG, ICAR. Thirty participants including four female participants of principal scientist and above ranks participated, out of which 28 were from ICAR institutions and 2 were from SAUs of 17 states. The major topics covered during the programme were Frame work for Transition from Scientist to Research Manager, Personality profiling for leadership development, Personal Planning Effectiveness & Leadership excellence, New vistas in Technology Enhanced Learning, Issues of Governance in Technology Management, Communication for Leadership, Role Perception, Conflict management skills, Emotional Intelligence, Stress management, Leadership issues, Attributes, Instruments and

experiences Sharing, Priority Setting, Monitoring and Evaluation (PME), Research Programme Prioritization – AHP, Incubation Centre, ICT interventions, ICAR Data Policy, Public Procurement and Contract Administration, Vigilance Management, ICAR Data Policy etc. The trainees were also given exposure to regular yoga sessions in the early morning.

(Programme Coordinators: Dr. RVS Rao and Alok Kumar)



Other Training Programmes

- MDP for Deputy Secretary/CAO/Under Secretary/SAO/CF&AO/SF&AO at IASRI, New Delhi during October 09-12, 2018 and at NAARM during December 19-22, 2018.
- Off campus training programme for Section Officers/AAO/Assistants at CPRI, Shimla during November 15-20, 2018.
- Off campus training programme for Section Officers/AAO/Assistants at NIASM, Baramati during December 10-14, 2018.

Events

Stakeholders Workshop on Restructuring of PG Curriculum in Community Science

Stakeholders Workshop on Restructuring of PG Curriculum and Syllabus Broad Subject Matter Area (BSMA) in Community Sciences prescribed by Indian Council of Agricultural Research was hosted by the Academy during October 3-4, 2018 which was attended by 60 participants from different parts of the country including faculty members and recruiters from all the five disciplines of Community Sciences viz., Foods & Nutrition, Human Development and Family Studies, Clothing & Textiles, Family Resource Management and Home Science Extension Education. Dr. Sharda, Former Dean, College of Home Science, was the Chairperson and

Dr. Neelam Grewal, Member, Punjab Public Service Commission was the Convener. Dr. NS Rathore, DDG (Education) was the Chief Guest for the valedictory function held on October 4, 2018. This two days' workshop deliberated upon restructuring of the syllabus of Community Sciences with the changing paradigm in order to make it more vocational in nature.

(Programme Coordinators: Dr. Surya Rathore and Mr. Ghanshyam)

NAARM empanels IT firms for co-development of IT solutions

The Academy has taken a pioneering initiative to empanel private firms to co-develop IP-enabled IT solutions to address issues related to agricultural research management based on mutual expertise. The initiative is believed to aid in establishing a framework for public-private collaboration and institutionalizing innovation through knowledge products development.

Four firms were empanelled and a launch meeting was held on October 27, 2018 wherein the Academy signed agreements for Joint Product Development with the empanelled firms. Dr. P Krishnan, Member Secretary of the Empanelment Operationalizing Committee gave an overview of the arrangement, following which each of the firms provided a glimpse of their strengths and potential areas of partnership. Dr. Ch Srinivasa Rao, Director, NAARM highlighted the key roles of the Academy and



expressed hope that the partnership will provide an opportunity for advancing the interests of the Academy, through mutually beneficial collaboration.

(Event Coordinator: Dr. P Krishnan)

Krishi Kala Utsav-II

Krishi Kala Workshop was organized at the Academy during October 27–November 02, 2018 in association with NAAS-Hyderabad Chapter. In this, a team of 23 artists from Sir JJ School of Arts accompanied by faculty, Prof. Ananth Nikam and Smt. Shilpa Nikam & Shri Deepak Khogre, ACTO (Artist), ICAR-CIFE, Mumbai were invited to stay and create customized works of art - paintings. Fifty two paintings highlighting agriculture, animal husbandry and fisheries activities were developed through this workshop.

This exercise is a sequel of the same experiment which was organized and immensely appreciated during the same time in 2017 at NAARM. The same exercise can be replicated in all other ICAR institutes. Dr. Ch Srinivasa Rao, Director, NAARM inaugurated the Utsav and appreciated the work of the students.



(Event Coordinators: Drs. M Krishnan, S Senthil Vinayagam and Shri P Namdev)

Vigilance Awareness Week

As per instructions from ICAR, the Vigilance Awareness Week was observed during October 29–November 3, 2018.



The theme for the year was 'Eradicate Corruption- Build a New India'. The activities started with observance of pledge on October 29, 2018. Various events such as debate, lectures, painting competitions, erudition etc. were organized during the week. During closing ceremony, Dr. Ch Srinivasa Rao spoke about importance of vigilance and actions taken to bring transparency in administration. The Chief Guest, Dr RM Gonela, IAS (Retd.) delivered a lecture on the theme and also distributed certificates to the winners of various competitions. Dr. SK Soam, Vigilance Officer of the Academy coordinated the event.

Monthly Meeting with Pensioners

In pursuance of ICAR instructions, the monthly meeting with Pensioners/Family Pensioners to resolve their grievances related to pension, were organized on November 12, and December 18, 2018 at the Academy under the Chairmanship of Director, ICAR-NAARM, Hyderabad. Dr.Ch.Srinivasa Rao, Director, ICAR-NAARM and Chairman of the meeting expressed his happiness over the presence of pensioners in large number. Chairman informed the house that Dr. A Debnath, Ex-CMO had been reappointed as Consultant Medical Officer who would be joining shortly. He also acknowledged the role of Dr.E.A.Siddique, Ex-DDG Crop Sciences Division for his support in getting early approval from ICAR for appointment of consultant



Medical Officer at ICAR-NAARM Health Centre. Administrative and Finance Officers of all the local ICAR institutes were invited for meeting on December 18, 2018 to discuss the issues related to pensioners.

NAARM Celebrated Agricultural Education Day

Agricultural Education Day was celebrated at the Academy on December 3, 2018 to commemorate the Birth Day of Bharat Ratna, Dr. Rajendra Prasad, first Agriculture Minister of the country and First President of Independent India. Mr. V. Ram Kaundinya, Director General, Federation of Seed industry of India, was the Chief Guest on the Occasion. He delivered an invited lecture on "New Paradigm in Indian Agriculture". In his address, he said that the agriculture education has to be promoted right from school education in rural areas as more than 60% of the population are living in rural areas. The final year students from College of Agribusiness Management, Baramati took part in the celebrations besides the students of two batches of the Academy's PGDMA programme. NAARM faculty members and staff also participated in the event.



(Event Coordinators: Dr. S. Senthil Vinayagam and Smt. G. Aneja)

Swachhata Pakhwada Observed at the Academy

Swachhata Pakhwada was observed at the Academy during December 16-31, 2018. Various activities were organized



during the period. Cleaning of storm water drains near near quarters was taken up on December 16. On December 17, Swachhata pledge was taken and then cleaning of children park, and road leading to quarters as well as weeding, cleaning of office & guest house lawns, hedge & border trimming, cleaning of nursery beds, cleaning of organic vegetable garden at Halls of residence were done. The dry leaf litter was collected from different parts of the farm & shifted to vermi compost plant in the old Nursery for preparation of vermi compost. On December 29, 2018 essay writing, elocution & Song competitions were organized for the faculty & staff of the Academy.

Academy Celebrated *Kisan Diwas* with School Students

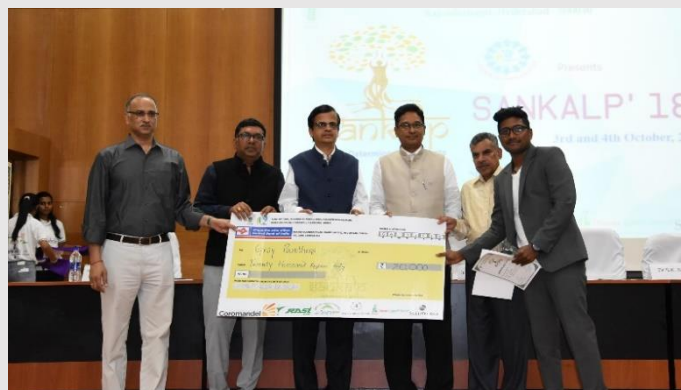
ICAR-NAARM celebrated National Farmer's Day (Kisan Diwas) on December 23, 2018 to create awareness among young girls and boys on the importance of farmers and farming for a healthy and prosperous nation. The day was aimed to bring an interface between students (future pillars) and farmers, linking past, present and future. On a strong premise of "Seeing is believing" about 40

students consisting of 28 girls and 10 boys from Krishi High School of PJTSAU, Rajendranagar, Hyderabad were taken on exposure cum interface visit to innovative farmer's field. Essay writing and drawing competitions on the themes "Importance of Farming in India" and "Farmer and his Farm", respectively were organized for the students.

Academic News

PDGMA Students of NAARM Organized 3rd Annual B-Fest: SANKALP' 18

SANKALP is an annual business fest initiated in the year 2016 by the PGDMA students of this Academy. The aim of the Fest is to provide a platform to young management graduates to develop organizing skill, to learn from each other; and have opportunity to network with some of the Agri-StartUps and industry representatives. The Sankalp'18 received 2281 registrations from 300+ B-schools including IIMs and IITs. Total 9 competitive events were organized viz. Advitiya- Business Plan competition; Adhishtatha- The Best Manager; Analytica-about data analysis and interpretation; Manthan- Real-time Business Solutions; Samadhan- Case Study Competition; Darpan- Quizzing event; Ad-Mania- Ad Making Event; Flashgun- Capture the moment; and Marketing Catapult- Prototype Marketing. Apart from these events, a Workshop series called "DANCE"-Decoding Agri-Startup: Nurturing & Creating Entrepreneurs was held in which 5 Agri-Start Ups shared their journey experiences with the participants. After



initial screening, total 150 students were invited for the fest. All the events had attractive prizes for the winners ranging from ₹5K – 20K each. The Sankalp'18 received sponsorship from several agribusiness companies. The event was organized during October 03-04, 2018.

(Event Coordinator: Dr. Ranjit Kumar)

Reunirse'18- PDGMA Alumni Meet Organized

PGDMA Alumni Meet Reunirse'18 was organized at the Academy on October 06, 2018. More than 100 Alumni attended the meet and shared their experiences. Dr. Ranjit Kumar, President of the Alumni Association welcomed all the alumni and congratulated to those who received award and recognition in their sectors in the last one year. The alumni presented the sectoral views to sensitize the in-campus students to make them aware about the changing dynamics of various sectors. During the meeting, new website for alumni (<https://alumni.naarm.org.in/>) was launched by Dr. Ch Srinivasa Rao, Chief Patron of Alumni and Director, NAARM and Dr. SK Soam, Patron & Joint Director. New executive committee was also elected in the General Body Meeting.



For details about PGDMA, visit <https://naarm.org.in/pgdma/>

a-IDEA (Agri-business incubator at NAARM) News

Startup 360

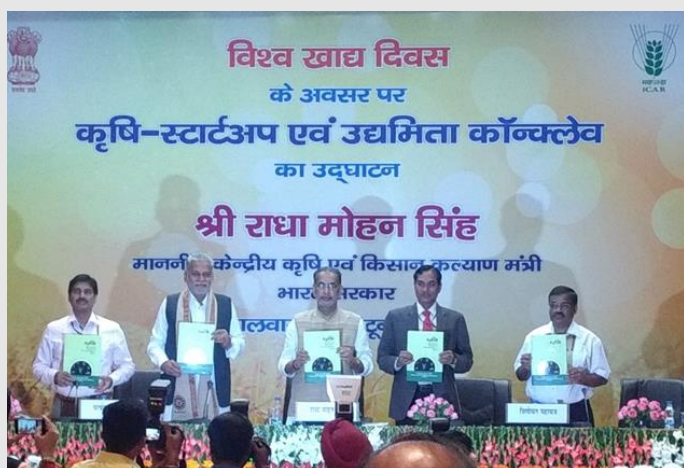
a-IDEA organized 'Startup 360' on November 10, 2018 jointly with Capria Ventures (It is a global investment firm leading the largest network of fund managers collaborating to deliver superior returns in emerging markets) by considering the common topic of interest from the startups/entrepreneurs i.e. "Startup Investability" and the session was deliberated by Ms. Ramya Srinivasan, Program Director at Capria Ventures.



ICAR- Agri Startup and Entrepreneurship Conclave

ICAR-Agri startup and entrepreneurship conclave on Unleashing Potentials in Agriculture for Young Agripreneurs (UPAYA) conference was organized during 16-17 October 2018 at NASC, New Delhi. It was a two-day

event with over 100 Agri startups, successful entrepreneurs, industry leaders, leading investors (VCs, PE, Angels & Banks), senior corporate professionals and academia. a-IDEA, showcased 10 startups to the Agri Stakeholders and be a part of Panel discussions. Prominent Dignitaries visited startups of a-IDEA including Shri Radha Mohan Singh, Union MoA & FW, India; Shri Dharmendra Debendra Pradhan, Minister of Petroleum & Natural Gas and Skill Development & Entrepreneurship; Shri Parshottam Khodabhai Rupala, Union Minister of State for Panchayati Raj, Agriculture and Farmers Welfare; Shri Gajendra Singh Shekhawat, Minister of State for Agriculture and Farmers Welfare and Dr. T Mohapatra, Secretary DARE, and DG ICAR. A book on "Agri-startups: Reflection of ICAR technologies in market (AgrIM)" showcasing 100 successful startups of ICAR was also released on the occasion. Dr. K. Srinivas was the organizing secretary of the conclave.



Startup Samvaad

a-IDEA, NAARM-TBI organized two Startup Samvaad, one in association with Veterinary College, Assam Agriculture University, Assam and with the support of ecosystem partners ICCO, NRC-Pig and ICAR Research complex on December 1, 2018; and another in association with Indira Gandhi Krishi Vishwavidyalaya and Chhattisgarh Biotechnology Promotion Society at IGKV Raipur, Chhattisgarh during December 28-29, 2018. The events were sponsored by Caspian Impact Investments. The Startup Samvaad included innovative Agtech Startup pitches as well as panel discussion.



Workshop on 'Agri Startup & Incubator Ecosystem' with NABARD

a-IDEA, NAARM in association with NABARD had jointly organized a workshop on November 14, 2018 on 'Agri Startup & Incubator Ecosystem' at Mumbai to understand more about the incubator strength, capabilities, and efforts in building AgTech ecosystem. The workshop was conducted at NABARD Mumbai Head office in which mentors, startups, agristake holders, entrepreneurs, and prominent dignitaries participated in the workshop.



For details about aIDEA, visit <https://aidea.naarm.org.in/>

Faculty Achievements

Honors, Awards and Recognitions

Dr. Ch Srinivasa Rao is nominated as Member, Executive Council of NAAS as ICAR Nominee for a period of three years with effect from Jan 01, 2019.

Dr. Ch Srinivasa Rao delivered 45th Dr. RV Tamhane Memorial Lecture on 'Soil Carbon Sequestration: Research, Technology and Policy Implementation Needs in India' sponsored by Indian Society of Soil Science, New Delhi in the 83rd Annual Convention of IISS at AAU, Anand on Nov 28, 2018.

Dr. M Krishnan bagged 'Dr. Anamitra Saha prize for best paper award' for his paper (as Second author) in Indian Journal of Agricultural Economics during the 78th Annual Conference of the Indian Society of Agricultural Economics organized by IFPRI, New Delhi held at NASC, New Delhi during Nov 01-03, 2018.

Dr. Ranjit Kumar Co-Chaired Technical Sessions on 'Technological interventions in dairy sector' and on 'Interface between research and industry: Challenges and opportunities in enhancing farmers' income' during International conference on 'Rural livelihood improvement for enhancing farmers' income through sustainable innovative agri and allied enterprises (RLISAAe) at BIT, Mesra, Patna during Oct 31-Nov 01, 2018.

Dr. P Venkateshan bagged 'Best Paper Presentation Award-2018' for his paper on "Indigenous Technical Knowledge in Climate Smart Farming under Farmer FIRST Projects" during 9th National Extension Education Congress-2018 sponsored by SEE Agra at CAEPHT, Ranipool, Sikkim (CAU, Imphal) during Nov 15-17, 2018

Dr. MB Dastagiri bagged "Arch of International Education Excellence Award – 2018" for his outstanding achievements and remarkable role in the field of Education on Nov 24, 2018 at Dubai (U.A.E) given by Economic Growth Foundation, New Delhi, India.

Dr. MB Dastagiri became member, editorial team of the *European Scientific Journal* published by European Scientific Institute, France on Oct 09, 2018.

Dr. Manju Gerard bagged "Best Paper" Award during National Conference on "Empirical Research on Alternative Medicine: Impingement on Health Care System" organized by Society of Pharmacognosy at United Institute of Pharmacy, Allahabad during Oct 06-07, 2018.

Student Guidance as Major Guide/Advisor

Dr. Ch Srinivasa Rao guided Mr. KC Nataraja for PhD from SV Agricultural College (ANGRAU), Tirupati (Thesis title: Potential of Biochar in Improving Soil Health and Crop Productivity under Maize - Groundnut Cropping System in Semi - Arid Alfisols of Southern Andhra Pradesh)

Dr. P Ramesh guided Ms. PV Anupama for MA (Psychology) from IGNOU, New Delhi (Thesis title: Studies on the relationship between job satisfaction and stress level of higher secondary school teachers)

Publications

Research Articles

- Christian Grovermann, KB Umesh, Sylvain Quiedville, B Ganesh Kumar, S Sakamma and Simon Moakes (2018). The Economic Reality of Underutilized Crops for Climate Resilience, Food Security and Nutrition: Assessing Finger Millet Productivity in India. *Agriculture*, 8(9) 131; <https://doi.org/10.3390/agriculture8090131>: 1 – 12.
- Das RR, Jeevamani J, Sankar R, Samuel D, Krishnan P, Purvaja R, Ramesh R (2018). Limited distribution of Deveil snail, *Faunus alter* (Linnaeus, 1758) in tropical mangrove habitats of India. *Indian Journal of Geo-Marine Sciences*, 47(10): 2001-2007
- Dastagiri MB (2018) The origin of Universe: Big Bang to God Theory, *European Scientific Journal*, 14(33): 143-155.
- Indoria AK, Sharma KL, Sammi Reddy K, Srinivasarao Ch, Srinivas K, Balloli SS, Osman M, Pratibha G, and Raju NS (2018) Alternative sources of soil organic amendments for sustaining soil health and crop productivity in India – impacts, potential availability, constraints and future strategies. *Current Science* 115(11):2052-2062.
- Iyemperumal S, Krishnan M, Kalidoss R (2018) Better Management Practices for Sustainable Small-scale Shrimp Farming, *Journal of Cleaner Production*, doi: 10.1016/j.jclepro.2018.12.172
- Jaiprakash B and Ranjit-Kumar (2018) Agricultural marketing reforms and e-national agricultural market (e-NAM) in India: a review. *Agricultural Economics Research Review*, 31: 167-176. DOI: 10.5958/0974-0279.2018.00032.0
- Meena PC and Meena PC (2018) Millets crop role in food and nutritional security of India. *International Journal of Food Science and Nutrition*, 3(6): 216:218.
- Qureshi NW, Krishnan M, Srinivasa AK (2018) Use of Delphi approach to develop indicators and preferences for restoration of balance in Dal Lake fisheries. *Lakes & Reserv.* 23:358 –366. <https://doi.org/10.1111/lre.12246>
- Raju BMK, Rama Rao CA, Rao KV, Srinivasarao Ch, Josily Samuel, Subba Rao AVM, Osman M, Srinivasa Rao Ravi Kumar N, Nagarjuna Kumar R, Sumanth Kumar VV, Gopinath KK, and Swapna N (2018) Assessing Unrealised Yield Potential of Maize Producing Districts in India. *Current Science* 114(9):1885-893 (<http://www.currentscience.ac.in/Volumes/114/09/1885.pdf>).
- Ramesh P (2018) Research attitude of entry level Indian Agricultural scientists and its implications. *International Journal of Agricultural Sciences*, 10 (22): 7498-7500
- Rattan L, Pete S, Hermann FJ, William JM, Johannes L, Ramachandran-Nair PK, Alex BM, João CM, Julia S, Yuri LZ, Alba LAS, Hai-Lin Z, Budiman M, Srinivasarao Ch, and Nijavalli HR (2018) The Carbon sequestration potential of terrestrial ecosystems. *Journal of Soil and Water Conservation*, 73(6):145A-152A. doi:10.2489/jswc.73.6.145A
- Sivaramane N, Ganesh Kumar B, Ranjit Kumar and Arivelarasan T (2018) Mapping of Diverse Production System of Finger Millet (*Eleusine coracana* L.) in Tamil Nadu. *Multilogic in Science*, 8: 361 – 367. (Special Issue –A)

Training Manuals

- N Sivaramane and P Venkatesan (2018) Socio-Economic Impact Assessment of Research Programmes. ICAR-National Academy of Agricultural Research Management, Hyderabad during October 25-27, 2018.
- Surya Rathore, P Venkatesan and Bharat S Sontakki (2018) MDP for Newly Recruited Programme Coordinators of KVKs. ICAR-National Academy of Agricultural Research Management, Hyderabad during December 04-18, 2018.

SK Soam, PC Meena and VV Sumanthkumar (2018) Training Manual for “Induction course for newly recruited Asst. Professors of PJTSAU, Hyderabad” during November 05-14, 2018 (In CD).

Surya Rathore, Alok Kumar and VV Sumanthkumar (2018) Training manual “For ICAR Winter School on ICT Interventions for Agricultural Development” during November 28 – December 18, 2018.

Conference Proceedings/ Policy Briefs/ Poster Presentation/Book Chapters

Diprinzio D, Ranjit-Kumar, Dhandapani A, Srinivas K, Nadiminti V, Kalpanasastry R, Srinivasarao Ch (2018) How Can Open Data Platforms Support the Indian Agri-Ecosystem. Occasional Paper 19, ICAR-National Academy of Agricultural Research Management, Hyderabad.

Krishnan M and Srinivasarao Ch (2018) SME aqua start ups for smart farming, p. 16, in Ayyappan S, Katakware M.A. and Letha Devi G. (Eds.), E-compendium, *In: Agristart-ups for Smart Farming*, organized by NABARD, ICAR-NIANP, Oct. 11-12, 2018, Pp. 101.

Srinivasa Rao Ch, Vishal Tripathi, Ramakant Dubey and Sudha Rani Y (2018) Fly Ash and its Utilisation in Agriculture: Constraints and Opportunities. Paper presented at the 8th International Conference on Sustainable Waste Management at Vijayawada, November 23-24, 2018.

Venkatesan P, Sontakki BS, Sivaramane N and Kalyani B (2018) Indigenous Technical Knowledge in Climate Smart Farming under Farmer FIRST Projects during 9th National Extension Education Congress-2018 organized by SEE Agra held at CAEPHT, Ranipool, Sikkim (CAU, Imphal, Manipur) on November 15-17, 2018.

Popular article

Indoria AK, Sharma KL, Sammi Reddy K, Srinivasarao Ch and Santram Yadav (2018) *Mrida Par Sanrakshan Kheti Ka Prabhav. Kheti* (Hindi Magazine of ICAR). November issue, pp12-14.

Srinivasarao Ch. (2018, December 03) Agri Education Best Bet as Career Option, Says Study. *Indian Express*.

Faculty / Staff Participation in Scientific Events

Programme Name	Venue & Date	Scientist Name
Agri-Startup and Entrepreneurship Conclave – Unleashing Potentials in Agriculture for Young Agripreneurs (UPAYA)	NASC Complex, New Delhi, Oct 16-17, 2018	Dr. Ch Srinivasa Rao Dr. K Srinivas Dr. Ranjit Kumar Dr. Surya Rathore Dr. Manju Gerard
Workshop on ‘Agri Startup & Incubator Ecosystem’	NABARD HO, Mumbai, Nov 14, 2018	Dr. Ch Srinivasa Rao Dr. K. Srinivas Dr. Manju Gerard
Meeting on Framework for Ranking and Ratings of R & D Labs	NITI Aayog, New Delhi, Oct 30, 2018	Dr. Ch Srinivasa Rao
In-Session Meeting of Consultative Committee of the Ministry of Agriculture & Farmers’ Welfare	Parliament Annexe, New Delhi, Dec 20, 2018	
National Consultation on Agri Startups for Smart Farming	ICAR-NIANP, Bengaluru, Oct 11–12, 2018	Dr. Bharat S. Sontakki
9 th National Extension Education Congress on Climate Smart Agricultural Technologies: Innovations and Interventions	CAEPHT (CAU), Sikkim, Nov 15-17, 2018	
National Consultation on Agri Start-ups for smart farming	ICAR-NIANP, Bengaluru, Oct 11-12, 2018	Dr. M Krishnan

Programme Name	Venue & Date	Scientist Name
26 th Annual Conference on “Agriculture and Sustainable Development Goals” organized by AERA	NDRI, Karnal, Nov 15-17, 2018	Dr. Ranjit Kumar Dr. K Srinivas
Restructuring of Masters and PhD curriculum and syllabi for the disciplines of Veterinary Extension Education	IVRI, Bareilly Oct 8, 2018	Dr. D Thammi Raju
2 nd meeting of Broad Subject Matter Area Committee on Basic Veterinary Sciences, constituted by ICAR	LUVAS, Hisar, Dec 28-19, 2018	
Brainstorming Session on NAHAEP-Component 2A	NASC Complex, New Delhi, Nov 3, 2018	Dr. D Thammi Raju Dr. VV Sumanthkumar
National Conference on ‘Revisiting Agricultural Research and Monitoring System for Developing Innovations: To Meet the Newer Challenges’	ICAR-CIWA, Bhubaneswar, Nov 24-25, 2018	Dr. B Ganesh Kumar
Local Project Advisory Committee (LPAC) Meeting of “National Survey on Resources Devoted to Scientific and Technological (S&T) Activities 2018-19”	TERI, New Delhi, Nov 20, 2018	Dr. P Krishnan
International Conference on Empowering & Enabling Women in Science, UTKARSH 2018	NASC Complex, New Delhi, Oct 30-31, 2018	Dr. Manju Gerard

Lectures Delivered/Invited as Key Speaker in Scientific Meetings

Faculty	Topic	Event	Venue	Date
Dr. Ch Srinivasa Rao	Climate Change and Natural Resource Management – National Perspective	Mid-Career Training Programme for IFS Officers	Indira Gandhi National Forest Academy (IGNFA), Dehradun	Oct 1, 2018
	Integrated Nutrient Management – Soil Carbon Sequestration and Climate Resilient Agriculture	Training Programme on Integrated Nutrient Management and Nutrient Budgeting through Advanced Models to improve crop productivity	ICAR-IISWC Research, Udhagamandalam	Oct 26, 2018
	Success story of a-Idea, NAARM on Agri startup ecosystem.	Workshop on Agri Startup & Incubator Ecosystem	NABARD Head Office, Mumbai	Nov 14, 2018
	Climate Resilient Agriculture	National Workshop on ‘Sustainability of Indian Agriculture: Biodiversity, Environmental and Climate Change Perspectives’	Organized by NIAP, New Delhi at NASC Complex, New Delhi	Nov 26, 2018
Dr. Bharat S Sontakki	Capacity development and skill development needs of Agri Startups	National Consultation on Agri Startups for Smart Farming	ICAR-NIANP, Bengaluru	Oct 11-12, 2018
	Capacity Development Levels in Extension and Advisory Services	Training Programme on Enhancing New Extensionist for Better Livelihood Transformation	Extension Education Institute, Hyderabad	Oct 3, 2018
	The New Extensionist: Core Competencies for Individuals			
	Training for capacity development			

Faculty	Topic	Event	Venue	Date
Dr. M Krishnan	SME aqua start-ups for smart farming	National Consultation on Agri Start-ups for smart farming	ICAR-NIANP, Bengaluru	Oct 10-11, 2018
Dr. Ranjit Kumar	Food Consumption Pattern in Telangana State	Induction training of newly recruited Horticulture officer in Telangana state	Telangana Horticulture Training Institute, Hyderabad	Nov 9, 2018
	Understanding farmers' buying behaviour for agricultural inputs	MDP on Agricultural Input Marketing for Corporate Executives	MANAGE, Hyderabad	Dec 26, 2018
Dr. B. Ganesh Kumar	Linking livestock farmers to the market: Issues and challenges	Induction training for LDOs of Govt. of Maharashtra on 'Extension management approaches for livestock development'	MANAGE, Hyderabad	Nov 27, 2018
	Supply chain management of fish	Training programme on 'Extension skills for supply chain management in Agri and allied sectors'	MANAGE, Hyderabad	Nov 12, 2018
Dr. D Thammi Raju	Extension through application of ICT tools and Techniques	Extension Management approaches for livestock development	MANAGE, Hyderabad	Nov 28, 2018
Dr. Surya Rathore	Start-up Success by Agri-graduates: Dreams to destination	AgriTex: India's 6 th International Conference on "Driving Agri-business through innovation Eco-system" during Oct 4-5, 2018	Hitex, Hyderabad	Oct 5, 2018
	Impact Assessment of Agricultural Extension Programmes, Documentation of Success Stories of Farmers	Induction Training Programme for Agricultural Officers	Andhra Pradesh Human Resource Development Institute, Bapatla (AP)	Nov 9, 2018
Dr. P Krishnan	Key requirements of fisheries professionals in the current scenario	Roots and Radiance of TNJFU Alumni in Fisheries and Aquaculture	TNJFU Alumni Network Meet '18, Nagapattinam	Dec 15, 2018
Dr. Manju Gerard	Future of Chemical Sciences: A perspective	International Conference on "Chemical Sciences: National & Global Perspective"	Lucknow Christian College, Lucknow	Oct 29, 2018
	Building Conducive Ecosystem for Scaling Indian Agristartups	International Conference & Business Excellence Awards for Innovation by Agri Startups	FICCI, New Delhi	Nov 16, 2018
Dr. N Sivaramane	Modelling human decisions in adoption of agricultural technologies – LOGIT, PROBIT and TOBIT and Conjoint Analysis	Workshop on Advances in Social and Behavioural Science Research	ICAR - CTCRI, Thiruvananthapuram	Nov 15, 2018

Faculty	Topic	Event	Venue	Date
Dr. P Venkatesan	Effective Presentation	Human Resource Management for the in-service SFS Officers	Central Academy for State Forest Service, Coimbatore	Dec 22, 2018
Dr. Sanjiv Kumar	Advanced Data Analysis using MS Excel	Training Programme on Monitoring and Evaluation of Fisheries Project for NFDB officials	MANAGE, Hyderabad	Dec 12, 2018

Training attended by the Faculty/Staff

Dr. P Krishnan attended DST sponsored training program on “Role of technology in community level disaster mitigation” conducted by Lal Bahadur Sastri National Academy for Administration (LBSNAA), Mussourie during Nov 26-30, 2018.

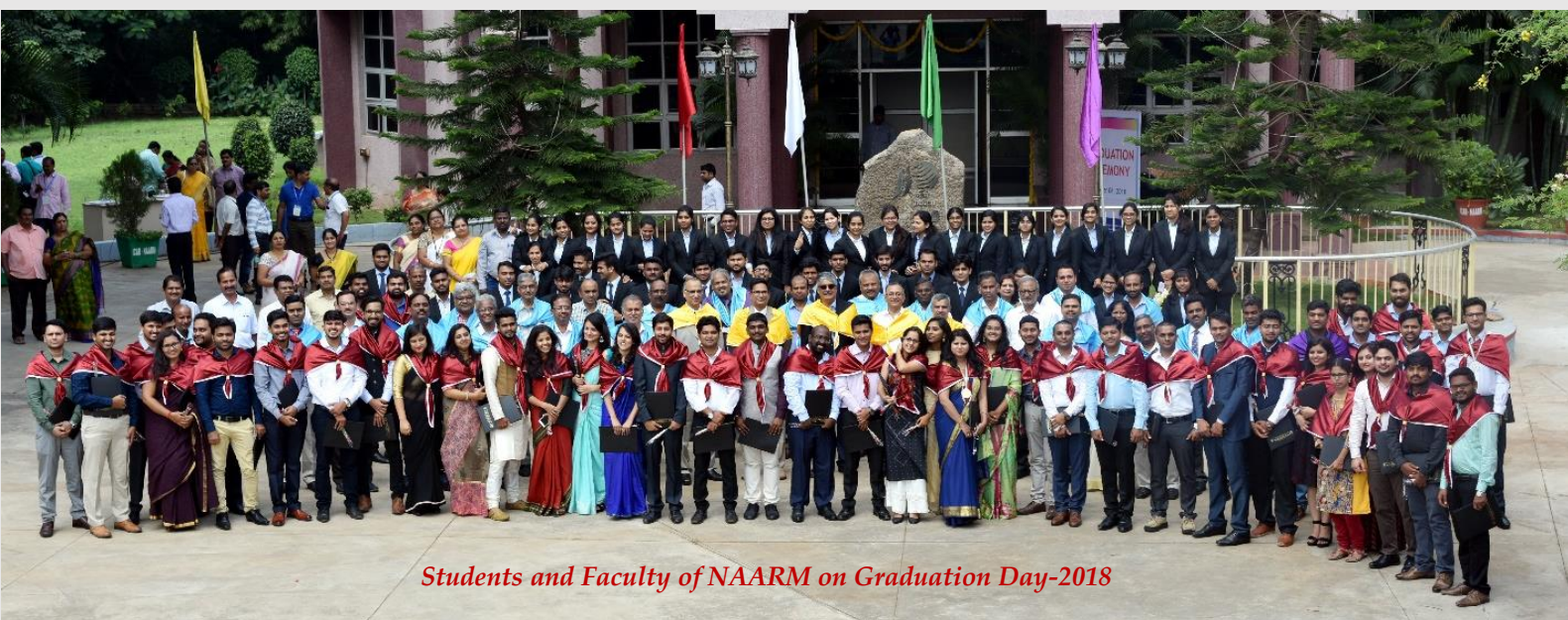
Staff News

Appointments/Joining

- Shri M Satyanarayana, CLTS has been regularised against the vacant post of SSS w.e.f. 20.10.2018
- Shri D Srisailam, CLTS has been regularised against the vacant post of SSS w.e.f. 20.10.2018

Retirement/Superannuation

- Shri M Krishnaiah, SSS - Retired voluntarily w.e.f. 20.10.2018
- Shri MK Sonkusare, T-5 TO (Technician Electrical) Retired on superannuation w.e.f. 30.11.2018
- Smt. N Sukunamma, Skilled Support Staff – Retired on superannuation w.e.f. 31.12.2018



Students and Faculty of NAARM on Graduation Day-2018

Editors: Dr. Ranjit Kumar, Dr. Sanjiv Kumar, Dr. BS Yashavanth, Smt. G Aneja

Published by:

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