



IETE 61st Annual IETE Convention (AIC) -2018 on “Smart Engineering for Sustainable Development”

Growth in technology has affected every field of specialization and walk of life for common man. The increasing use of Artificial Intelligence and Machine Learning based smart devices has already started touching the life of common man. However the sustainability in terms of human values, health, resources and Environment are key issues. So smart devices and engineering practices for empowerment is important on one side. At the same time the sustainable development is very important for human race to continue to happily live on planet earth. In order to address these contradictory requirements, IETE held this year's Annual Convention during 29-30 September on the theme, 'Smart Engineering for Sustainable Development' at Amravati. This two day programme was meticulously planned by conveners.

Eminent experts from India and abroad besides Governing Council Members, Past Presidents and Distinguished Fellows attended this program, held at the Auditorium of Prof Ram Meghe Institute of Technology and Research (P R M I T & R), Badnera – Amravati. Hosted by IETE Amravati centre and P R M I T & R, Badnera jointly. This Complete event was a resounding success where students,

teachers and experts fruitfully interacted to understand implications of these transformative technologies. Interestingly, the presence of overseas Awardees from USA has added tremendous value to the depth of interactions. **Dr Nitin Dhande, President Vidarbha Youth Welfare Society, Amravati** host society, welcomed the audience and **Prof (Dr) P V Ingle Chairman IETE Amravati Centre and Convener** provided overview of the AIC 2K18.

The event was inaugurated by **Shri Hansraj Ahir**, Union Minister of State for Home Affairs, **Shri Pravin Pote**, Minister of State for Industries and Mining, Public work and Environment was the guest of Honor.

Chief Guest of the inaugural function **Hon'ble Shri Hansraj Ahir** spoke about the United Nations Goals for Sustainable

Development in which availability of Food, shelter, Health services and clean drinking water are on top priority. He also narrated the priorities of the Government on climate change and sustainability for future generations.

Guest of Honor **Shri Pravin Pote** stressed the need for balanced growth in all fields using the latest technological innovations. President IETE, Prof (Dr) KTV Reddy, elaborated the relevance of growing use of devices that are enabled with the latest technological innovations and also mentioned the role of country like India where majority of population lives in less privileged part. Life Time Achievement Award was presented to **Padmashri Dr T H Chowdary** who selflessly served the profession for over five decades and to Past President **Shri R K Gupta** who revolutionized the

Doordarshan and Akashwani while working as Engineering Director of **Prashar Bharati**. Distinguished Fellowships were conferred upon **Dr M H Kori**, Ex-Chairman of TPPC and Past President of IETE, **Dr K Laxminarayana**, **Dr K Sivan**, Chairman ISRO and Secretary Dept of Space was declared as Honorary Fellow but due to his schedule he could not collect the award in person. On this occasion the Souvenir of the AIC 2K18 was released at the hands of Chief Guests and others.



Hon. Shri. Hansraj Ahir addressing to gathering at Inaugural Function

Prof (Dr) KTV Reddy was installed as the new President who outlined his dream-vision for future strides by the institution, namely setting up of the IETE University.

The IETE Best Centre awards were also given away on this occasion: 1st Position- Delhi; 2nd Position: Bangalore; Best Sub-Centre: 1st Position- Yavatmal.

Prof (Dr) M S Ali, Principal Prof Ram Meghe College of Engineering and Management, Amravati, delivered inspiring 50th Bhabha Memorial Lecture after the inaugural session.

Prof (Dr) K P Rai of DAIT Pune, while delivering 41st IETE Ram Lal Wadhwa Award Lecture elucidated the innovations in the field of Microwave and antenna for various non-conventional applications. The use of microwave for communication is the leading role of the communication

engineers however **Prof (Dr) K P Rai** introduced to the audience that these developments in the field of Microwave lead to the huge saving of foreign exchange in last decade. **Dr N N Kasat** conducted this award lecture session which was appreciated by all.

Technical sessions were managed by **Prof S V Dhopte** and **Prof Sangram Dandage**. Presentations of contributed papers in the technical sessions by scholars elicited lively response. All the papers went through the plagiarism check and the double review process before they were selected for presentations. Total of 102 papers were received out of that 91 papers were selected for presentation.



Welcome to the Guest by the Hands of Dr. Nitinji Dande

Valedictory session consisted of conferment of wide range of IETE National level awards to recognize excellence in scientific endeavor.



Technical Paper presentation sessions

UG Students conference was organized for the young graduating students and it received a huge response. The presentations were primarily based upon the innovative project ideas on which the final year students are doing their Projects. **Prof S S Mungona** and **Prof V R Raut**

managed various sessions.

In order to inculcate the spirit of science and technology among the young ones a competition of science and technology based project models was organized for school students. School students from grade 5th to 10th participated in it and it received a huge response. **Prof Dr K T V Reddy**, President IETE, **Dr Chandrkanta Kumar**, Director Chandrayan Project, ISRO Scientist and Hari Ramji Toshniwal Award winner, and **Dr T S Rathod** Retd Prof of IIT Bombay presented the awards to the students. This award event was managed by **Prof S V Patalwar** and **Prof Abhijit Kalbande**.



IETE awards to recognize excellence in scientific endeavor



UG Students conference



Project models competition for school students

Workshop on “Outcome Based Learning Teaching Process In NBA Evaluation”

Department of Information Technology, Prof. Ram Meghe Institute of Technology & Research, Badnera has organized two days' workshop on “Outcome Based Learning Teaching Process In NBA Evaluation” on 22nd and 23rd June 2018 for the faculty members from Engineering in Association with The Institution of Electronics and Telecommunication Engineers (IETE) & Institution of Engineers (IEI).

Aim of the workshop was to introduce new NBA format imperatives and sensitize teaching faculty regarding quality improvement and setting processes of continuous assessment in Outcome Based Education (OBE). For accreditation, institute need to follow certain processes for improving the quality of education. The teachers need to understand and then implement the various processes required to improve the quality of teaching learning. This workshop was primarily designed to provide platform to the teachers of engineering colleges to understand various processes of teaching learning and participate in the innovations. Dr. Sachin Sakhare , Professor & Head (IT) , VIIT , Pune was the resource person for these two days workshop. Two days sessions followed by exercises that were carried out under the themes of New NBA Imperatives, Program Level Perspective, Defining Course Outcomes and Mapping COs with PO/PSOs, and Course Planning. Principal Dr. A. P. Bodkhe inaugurated the workshop and underlined the importance of accreditation in the overall quality improvement efforts. Dr. Sachin Sakhare, resource person discussed on all themes and also conducted interactive sessions for these two days. Dr. P.V. Ingole, HOD, IT department gave his remarks on the need of defining Program Specific Outcomes adequately reflecting the stakeholders' interests. Prof. S. V. Dhopte , Prof. S. S. Kulkarni , Dr. A. S. Alvi , HODs of all Departments , Deans and faculty participants from college and outside colleges were present for this two days workshop. The workshop was attended by 163 faculty participants.



Expert Lecture delivered by Dr. Sachin Sakhare

Ethical week Celebration

Department of Information Technology, Prof. Ram Meghe Institute of Technology & Research, Badnera decided to start new activity in the department called “Ethical Week”. This was the different activity than other technical and nontechnical activities. Dr. P. V. Ingole HOD IT put up this thought in front of all faculty members and all faculty members delighted to conduct this ethical week along with teaching schedule.

On 16th July 2018:- Ethical week was inaugurated at the hands of HOD Dr. P. V. Ingole and all Faculty members and students were present there. First activity was Ethical movie playing and students should write and present reviews on it. To make this activity more interesting coordinators have selected one group from each section and formed total 6 groups. It was the competition amongst groups on the quality of review generation and presentation. Clips from three movies were played and participants prepared reviews and presented the same in front of Judges. The Judges evaluated the groups on the basis of their reviews, ethical thinking and presentation skills.



Activity done by the students

On 17th July 2018:- On second day, under ACM student chapter, very interesting activity was planned for each class. The Roll play is effective activity to understand the ethical practices in day to day life and educational organization. Faculty Coordinators & students team decided the theme for role play , individual from group played the different role in drama and remaining audience prepared the views on it and presented the same. Judges observed role play in each class and decided the winner on the basis of role play theme, act, ethical views and presentation by the students.

The benefits and skills offered to students during these activities include communication, collaboration, reading, writing, general speaking, quick decision making, questions and answers, giving and following directions, and physical response.



Role play Activity done by the students

18th July 2018:- On the third day under IEEE student chapter faculty coordinators and student coordinators organized poster presentation and debate competition. For poster presentation broad topic "Ethics" was decided. Students from all years participated in this activity and submitted meaningful posters. All the posters were displayed on Wall Magazine board for sharing & judging purpose.

20th July 2018:- Expert lecture on "Ethical Hacking & Cyber Security" was organized under IEEE student chapter. Mr. Aniket Bhalerao, Chief Security Specialist, MSP1 Services, Mumbai was the expert for the lecture. Dr. P. V. Ingole welcomed the guest with bouquet.



Guest Lecture delivered by Mr. Aniket Bhalerao

21st July 2018: It was last day of "Ethical week", under IEI student chapter Faculty Coordinator and Student coordinators arranged visit to Old Age Home at "Madhuban Vrudhashram". Objectives of this visit was to create awareness among students about the neighborhood, to sensitize students to social work, to sensitize students to the predicament and problems of aged people, to become aware of the joy of serving and being with the aged, to understand the ethical values while living in society. Students from B. E Third year and all faculty members reached morning 9.00 am at "Madhuban Vrudhashram", Kondenshwar road, Amravati, which is only 1.6 km from our college. All the old ladies & gents gathered in the open ground of

Vrudhashram. First of all we all greeted them and they also welcomed us. Students distributed the breakfast to them and greeted them with self-made bouquets. After that student coordinators started the entertainment program for old people. Some of the students sang songs, played some games with them, played skits. All old people enjoyed and some of them sang filmy songs, bhajans. Faculty and students distributed towels and cloths to all old people which they were really in need of. At the end of the visit we have taken group photos with them. It was nice experience for students as well as faculties.



Visit at Old Age Home

Hardware & Networking Workshop

The Department of Information Technology, Prof. Ram Meghe Institute of Technology and Research, Badnera has organized two day's Workshop on "Computer Hardware & Networking" on 31st August & 1st September 2018 as contents beyond syllabi. This is an in-house activity meticulously planned and effectively executed by the departmental faculties. All B. E Third year students participated in this workshop. The main objective of the workshop was to acquaint the participant with issues of "Computer Hardware". The Trainers for the course were Prof. R. M. Hushangabade, Prof. A. A. Gulhane, Prof. A. S. Mahalle, Prof. P. R. Nerkar, Prof. R. R. Papalkar & Prof. N. S. Wadhe. The workshop gave the detailed description about computer hardware. The trainers gave detailed information about computer hardware such as monitor, keyboard, Computer Data storage, Hard disk Drive, Graphics cards, Sound Cards, Memory, Motherboard, etc.

The workshop covered detail information and insight of computer hardware. The hands-on sessions were arranged for the students to get practical knowledge of hardware and networking. Students interacted with faculty regarding various aspects of computer hardware.



Hands on Session Conducted by Prof. R. M. Hushangabade

Engineers Day Celebration

Department of Information Technology, Prof. Ram Meghe Institute of Technology & Research, Badnera organized movie making and quiz competition events on the eve of Engineer's Day. Every year 15th september is celebrated as the Engineer's day in India to give a tribute to the greatest Indian Engineer, Sir Mokshagundam Visvesvaraya who also received India's highest honour, the Bharat Ratna in 1955. He holds some remarkable engineering constructions in his name. He was the chief engineer of the Mysore state, Vrindavan Garden, Krishna Raja Sagar dam etc. He was also the chief designer of the food protection system for the city of Hyderabad.

Program started with lamp lighting ceremony and garlanding photos of Maa Sarswati and Sir Mokshagundam Visvesvaraya.

Two parallel programs Movie making and Quiz completion were arranged for B. E students. The Theme of movie making was "Effects of Social Networking". Program Inaugurated at the hands of Dr. P. V. Ingle HOD IT department and all senior faculty members of IT department. Participants played movies and presented the message which they want to give to audience. The Movies were well planned and designed by students. The Movies have shown positive as well negative side of social networking. Activity got huge response from students.

The Quiz competition was based on general as well technical topics. The rapid questions were asked to students and winner is finalized on the basis of highest marks. At the end of the program winners were declared of all competition and prizes were given to winners.



Trophy Distribution to the Winning Team

Wall Magazine

Department of Information Technology organized an event Wall Magazine under IEI & ACM student chapters on the eve of Engineer's day on 15th September 2018. The theme of this year Wall Magazine was "Effects of Social Networking".

Students had designed posters showing positive as well as negative side of the social media. Some of the poster depicted that balance use of social network will definitely help for development and connect to people but addiction can lead to isolation and depression also. Event got overwhelming response from students of all years. Total 70 students participated in this activity. They submitted posters, articles, drawings, paintings etc. on the theme.



Inauguration of Wall Magazine by the hands of Dr. A. P. Bodkhe, Principal PRMIT&R, Badnera

Teachers Day Celebration

On the occasion of Teacher's day the students of the department organized a teacher's day programme on 5th September 2018 for the faculty members of IT department. The students honored all faculty members by offering bouquets. Second and third year girls students prepared beautiful greeting for HOD and presented him on the eve of Teacher's day. Students expressed their feelings & respect towards teachers through poems and speeches. Second year students played good comedy drama on college life and examination. All students and faculty members enjoyed drama. Some students sang songs in group and individually.

Dr. P. V. Ingole (HOD) also expressed his views and expectations from students for their future development. All faculties gave best wishes to all students. All faculties enjoyed the arrangement and snacks offered by students.



Felicitation of Faculty at the hands of Students



Greetings Received by Dr. P. V. Ingole by the Students

Yoga Day Celebration

June 21st is celebrated as The International Yoga Day all over the world. This idea was proposed by our Prime Minister, Mr. Narendra Modi. He said, "Yoga is an invaluable gift of India's ancient tradition. It embodies unity of mind and body; thought and action; restraint and fulfillment; harmony between man and nature; a holistic approach to health and well-being. It is not about exercise but to discover the sense of oneness with you, the world and the nature. By changing our lifestyle and creating consciousness, it can help in well being."

International Yoga Day was celebrated by the students & faculty members in Information Technology Department with great enthusiasm. Faculties & students demonstrated various asanas followed by Omkar chanting. Warm up exercises were taken and all the faculties performed sitting and standing asanas, importance of these were explained simultaneously. The celebration concluded with synchronized recitation of shlokas and speech by our HOD. He encouraged faculties & students to practice regular yoga to remain fit and improve concentration.

Regular practice of yoga will surely help faculties as well as students achieve a better life, physically, mentally and spiritually as well.



Yoga Day Celebration in Department



Parents Meet

The parent meet was organized on 18th August 2018 by the Department of Information Technology, PRMIT&R, Badnera with the objective of discussing parents regarding their ward's performance and trying to settle their queries & inquiries. The motive behind the meet is to discuss all measures to be taken for the overall growth and development of the students so that they meet and cop up with the present day challenges. Parent of many students actively participated in the events with the positive approach & also offered some valuable suggestion with respect to operational issues.

The meet began with a warm welcome to the parents followed by a presentation from Head of Department, Dr. Prashant V. Ingole. The presentation cover details regarding infrastructure, academics, placements, library facilities, academic profile of faculty, results of students, co-curricular and extracurricular activities organized within the department and training and placement activities. Sir further insisted on the responsibilities of parents along with the overall development of the students. Sir further elaborated that every faculty member is dedicated to strive for the overall personality development of student so as to nurture not only professionals but also responsible citizens. Some of the parents put their views and their expectation from students and college. The parents then had a protracted discussion with the class teachers and noted academic progress of their wards. The university Topper students from B. E second, third and final year were felicitated along with their parent by HOD and all senior faculty members. Program ended with delicious refreshment for parent and all faculty members.

The event was organized by Prof. Ms. M. S. Deshmukh and Prof. S. P. Thakare along with class teachers and other faculty members in department.



Felicitaton of the Students and Parents by the Hands of Dr. P. V. Ingole

Technical program for Titan's School

Department of Information Technology conducted technical activity on 1st September 2018 for the Titan school students to transfer technical knowledge to next generation. The Faculty members conducted hands-on practice on HTML (Hypertext markup language) in lab session. Total 60 students from Titan's Public school of Vidharbha Youth Welfare Society participated in this activity. Titan's School teachers were also present and supported to faculty members in conduction of lab session. Prof. Ankur Mahalle, IT department taught all important tags from HTML and also simple programming based on that. Prof. Maithili Deshmukh, Prof. P. V. Dudhe, Prof. S. N. Sarda, Prof. N. V. Kadam conducted lab session for students. Prof. S. S. Kulkarni took students to visit server room and explained working of server and networking to them. School students had implemented tags and created beautiful static web pages. Some students added more innovative and self-ideas in web pages.



Faculty Gives the Information to the School Students

Research Publication

1) Ms. Preeti V. Dudhe, Prof. M. S. Deshmukh, Prof. Ms.N.V.Kadam ,Prof. R. M. Hushangabade, “**A Review paper on various applications of Big data**”, presented at National Conference at AIC 2018 organized By IETE center Amravati at PRMIT& R, Badnera ,29th & 30th Sep. 2018

2) Pranjali P. Deshmukh “**Virtual Memory optimization Techniques in cloud computing**”, presented and published in IEEE Xplore digital library 3rd International IEEE conference on Research in Intelligent & computing in Engineering at Prof. Ram Meghe College Of Engg.and management with Universidad Son Bosco El. Salvador, Central America 20 Aug.2018

3) Saleha saudagar , Sonika Chorey, Priyanka Chore, ” **Anticipation of Distributed denial of service Attack Using Four-Tier CAPTCHA** “ presented at National Conference at AIC 2018 organized By IETE center Amravati at PRMIT& R, Badnera, 29th & 30th Sep. 2018

4) Radhika Fuke, Prof. Nikhil V. Raut “**Neural Signal Compression Using Advanced Video Compression Techniques**” presented at National Conference at AIC 2018 organized By IETE center Amravati at PRMIT& R, Badnera, 29th & 30th Sep. 2018

5) Shailesh P. Thakare, Sanjay V. Dhopte ” **Study of sentiment analysis in twitter data using Hadoop**”, National Conference at AIC 2018 organized By IETE center Amravati at PRMIT& R, Badnera, 29th & 30th Sep. 2018

6) Rahul R. Papalkar, Nikhil S. Band , Pravin R. Nerkar , Gaurav K. Wadnere ” **Privacy issue in Mobile cloud computing-Review**” , National Conference at AIC 2018 organized By IETE center Amravati at PRMIT& R, Badnera, 29th & 30th Sep. 2018

7) Nikhil S Band , P.R Nerkar, R.R Papalkar , S.P Thakare ” **Role of Artificial Intelligence ,Cloud and Internet of Hings to become city secure and safe -A Review**” National Conference at AIC 2018 organized By IETE center Amravati at PRMIT& R, Badnera, 29th & 30th Sep. 2018

8) Gaurav K. Wadnere, Aditya O. Sable,” **Recovery of Image by object & Noise Removal by using enhanced inpainting technique**”, National Conference at AIC 2018 organized By IETE center Amravati at PRMIT& R, Badnera, 29th & 30th Sep. 2018

9) Pravin R. Nerkar, R. R. Papalkar, N. S. Band “**Enhance Energy Efficiency In Smart Phone**” National Conference at AIC 2018 organized By IETE center Amravati at PRMIT& R, Badnera, 29th & 30th Sep. 2018

10) Ankur Mahalle , Snehal Kuche , Sneha Kalbande, Rupesh Hushangabade ”**Multi Access Edge Computing Technologies for Internet of Things**” National Conference at AIC 2018 organized By IETE center Amravati at PRMIT& R, Badnera, 29th & 30th Sep. 2018

11) Harshal D. Misalkar , Umesh Nikam , Anup Burange ”**Implementation of Security Algorithm and Achieving Energy Efficiency for Increasing Lifetime of Wireless Sensor Network**” , 1st International Conference on Communication, Networks & Computing CNC-2018 Proceedings in Springer (Scopus Indexed)Organized By ITM University Gwalior 2018.

12) Anup W. Burange , Yugandhara A. Thakare , Harshal D. Misalkar ” **Survey of intelligent chat bots using machine learning**” National Conference at AIC 2018 organized By IETE center Amravati at PRMIT& R, Badnera, 29th & 30th Sep. 2018

13) Harshal D. Misalkar , Omprakash Jaisinghani ”**Machine Learning in Big Data Analytics With Blockchain Based Security**” National Conference at AIC 2018 organized By IETE center Amravati at PRMIT& R, Badnera, 29th & 30th Sep. 2018

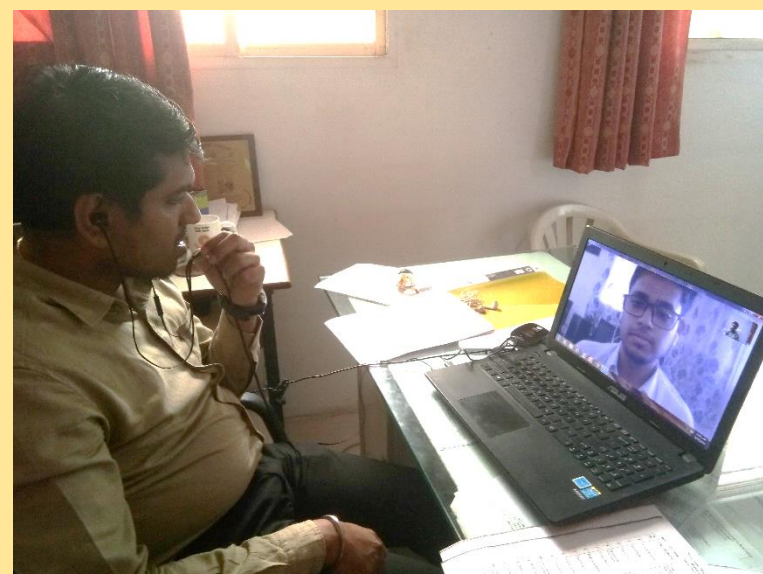
14) A. A. Gulhane , N.S. Wadhe, S. N. Sarda ,”**IoT Based model for the implementation of smart city**” , National Conference at AIC 2018 organized By IETE center Amravati at PRMIT& R, Badnera , 29th & 30th Sep. 2018

15) S. N. Sarda ,A. A. Gulhane , N.S. Wadhe, S. D. Thakur, ”**A Review on tenders of genetics algorithm plus fuzzy logic in temporary memory storage**” , National Conference at AIC 2018 organized By IETE center Amravati at PRMIT& R, Badnera , 29th & 30th Sep.

16) Shailesh Thakare ,”**Data, Data Analysis and Data Science , A Need Review**” , National Conference at AIC 2018 organized By IETE center Amravati at PRMIT& R, Badnera , 29th & 30th Sep. 2018



Cleaning Activity Done by Faculty & Students



Mock interview for TCS shortlisted students taken by Prof. S. D. Thakur

Guest Lecture

1. The Department of Information Technology organized "Induction program" for B.E Second year students by Head of Department Dr. P. V. Ingole, on date 25th June 2018.
2. The Department of Information Technology organized guest lecture on "GATE preparation & opportunities" by Director, GATE Forum for B. E. Third year A & B section, on date 18th July 2018.
3. The Department of Information Technology organized guest lecture on "Machine Learning" for B. E. Third year by Mr. Suyash Zawar , Director Visit Fresh Pvt Ltd, Amravati on date 19th July 2018.
4. The Department of Information Technology organized guest lecture on "GATE preparation & opportunities" for B. E Third year Students by Mr. J. K. Reddy IES Officer, Hyderabad on date 25th July 2018.
5. The Department of Information Technology organized guest lecture on "Hackathon preparation and Industrial level programming" for B. E Third year students Lecture by Mr. Lankesh Dhandale, Oxybills Services India Pvt. Ltd. On date 26th July 2018.
6. The Department of Information Technology organized guest lecture on Resume building for B. E. final year students by Prof. Pranjali P. Deshmukh on date 9th August 2018.
7. The Department of Information Technology organized guest lecture on recent technologies and Python by Mr. Rushikesh Dhande, Director Itrons Technologies on date 22nd Sep. 2018.
8. The Department of Information Technology organized guest lecture on and internship drive by ICEICO group Nagpur on date 26th Sep. 2018.
9. The Department of Information Technology organized guest lecture on "Opportunities for Abroad Education" by Mr. Aswhin Alsi and Ms. Gauri Kale Directors Proficient Test Prep, on date 3rd Aug. 2018.



Guest Lecture Delivered by GATE Forum



Guest Lecture Delivered by Mr. J. K. Reddy IES Hyderabad



Guest Lecture Delivered by Mr. Rushikesh Dhande



Guest Lecture Delivered by Mr. Aswhin Alsi and Ms. Gauri Kale Directors Proficient Test Prep