



**ANNUAL**  
**REPORT** 98

Polytechnic Shah Alam





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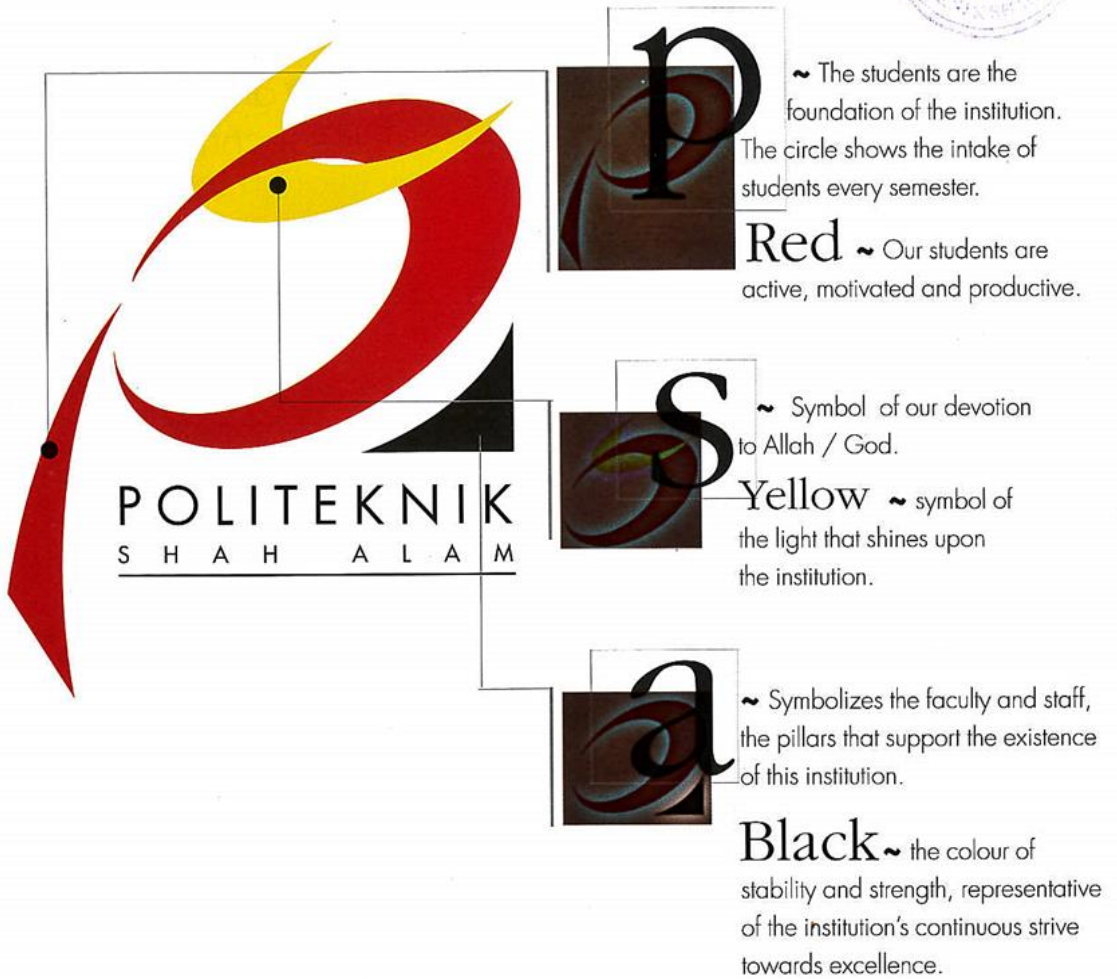


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Our sincere thanks and appreciation to all departments for their contribution and the General Studies Department for the general editing.

# logo design concept



PSA's logo is characteristic of the **dynamism** which lies within the hearts and minds of the group of technocrats who make up the staff of PSA. This group is always aware of current developments and is responsive to the technology of the future.

The contemporary design signifies that PSA is ready to face the challenges of the **new millennium.**



## Vision

to provide **World-Class** standard education and training for sub - professionals in the fields of engineering and business.

## Mission

to provide **Quality Education** and Training, responsive to the ever-changing technological and customer requirements, through teamwork and improvement.

## Philosophy

**Excellence** - our institution values a job well done and encourages each individual to strive for excellence. We instill in our employees a high level of **professionalism, competence, and productivity**. We encourage active **participation** and instill in our students a desire to be high achievers.

## Guiding Principles

towards this end, the following principles have been adopted:

- ~ provide **quality** education and conducive learning environment.
- ~ produce and provide quality graduates and service, oriented towards **customer's needs**, through continuous improvement
- ~ being **proactive** to technological and industrial advancement.
- ~ provides **quality human, financial and physical resources**.
- ~ practise **Total Quality Management (TQM)**
- ~ Instil a **sense of urgency**
- ~ Develop our human resources to the **fullest**.



# principal's review

The year under review, the 2nd year in operation was a year of establishment and system development. Though eager to quantum-leap into the next millennium, we are fully aware of the importance of a sound and strong foundation. We believe that a strong work culture provides the anchor in our quest to achieve excellence. As quoted by Aristotle "We are known by what we do repeatedly. Excellence is not an act, it is a habit." Great efforts have been made to ensure the development of positive attitude towards work, sense of commitment, professionalism and a work culture based on shared values and beliefs. Campus wide staff development programs such as the Induction Course for new staff, PERASA course and the ISO 9000 awareness course, have been implemented for this purpose.



New technology, electronic government, sophisticated quality controls, customer oriented services... The workplace is changing and so are the skills that employees must have in order to change with it. The watch-words of the future; rightsizing, multi skilling, high performance workplace is expected to set into the new career world. The new work environment would be much more demanding and challenging than the traditional work place where specific occupational skills would suffice. This shift in the workplace scenario requires a holistic approach in the educational and training methodology. We believe in preparing the students with the skills employers want;

specific and general occupational skills and employability skills. Students are given the greatest opportunity to develop to their fullest potential in all areas - academic, personality and leadership.

The Polytechnic has embarked on a journey towards the realisation of its vision of achieving world class excellence in training and education. A journey, not a destination, as noted by Dr. Thomas Barry, is a process with a start and no end. It is continuous and on going. We are on course and I believe we are on the right track, constantly aware of the need for continuous improvement. We are where we are today, thanks to the relentless effort of the students, commitment and dedication of the staff, support from the industries and businesses, and the leadership of the Ministry. I believe their exemplary spirit would continue to be the guiding light paving the way in our journey towards excellence.



From left:

Ms.Saadiah Mohd Yasin, Mr. Tung Chee Kuan, Mr. Mohmmad Abu Hasan, Mr. Zolkarnain Hj.Jobshi, Hj.Yusoff Harun(Tuan Pengetua), Mr. Kamaruzaman Ismail, Mr. Azizi Lin, Hj. Lin Husin, Mr. Suhaimi Aminullah, Ms.Lucia Quek Sai Geam.



## **MANAGEMENT**

### **TEAM**

The day-to-day running of Politeknik Shah Alam is carried out through the management team and a set-up of committees. While the management team of Politeknik Shah Alam, comprising the Principal and the Heads of Departments, is the highest decision-making body at the polytechnic level, the set-up of various committees facilitates inter-department co-operation and the task of working towards a common goal. The stakeholder of this educational venture is the Technical Education Department (TED), in particular, the Polytechnic Management Division of the Ministry of Education.

## **PRINCIPAL**

The principal is the person at the helm of Politeknik Shah Alam. He is responsible for managing his team and available resources resulting in the successful realisation of the polytechnic's vision and mission.

*Haji Yusoff bin Harun AMN*, the first principal of PSA, holds a Civil Engineering Degree from the UK, a Masters Degree in Technical Education from USA and a Diploma in Management from the Malaysian Institute of Management (MIM). He has been involved in the field of technical education for the last 26 years. He was the Deputy Director of the Planning and Research Division in TED, Ministry of Education prior to his present appointment.

This exposure has ensured acquisition of a good mix of academic and management skills. His involvement in numerous international conferences, study tours, the National Vocational Training Council, and Inter-Agency Planning Group for Manpower Planning has allowed him to keep abreast with changes in global education and technological development. He was awarded the Ahli Mangku Negara (AMN) in 1995 in recognition of his dedication and commitment.



## **HEADS** of departments

All the Heads of Departments are members of the management team. While the Heads of the four main departments are entrusted with the responsibility of the smooth implementation of the academic programmes, the Heads of the Supporting Departments provide the resources and expertise to produce graduates who are not just armed with the necessary technical know-how but also graduates with character.

## **MECHANICAL** engineering

*Mr. Kamaruzaman Ismail* has 17 years of educational experience. He was the Principal of the Shah Alam Secondary Vocational School prior to his present position in the polytechnic. Mr. Kamaruzaman graduated with a degree in Mechanical Engineering from the UK, a Diploma in Education from University Malaya and a Masters Degree in Human Resource Development from USA. His interest and expertise lies in designing curriculum for human resource development and institutional administration. He has attended a Fellowship Programme in Management in the UK. At present, he heads the Steering Committee on Curriculum.

## **ELECTRICAL** engineering

*Mr. Zolkarnain Haji Jobshi* also has 17 years of educational experience behind him. He was the Principal of the Balik Pulau Secondary Vocational School prior to his present position as Head of the Electrical Engineering Department. Mr. Zolkarnain graduated with a degree in Electrical Engineering and a postgraduate Certificate of Education from the UK. His interest and expertise lies in the area of computing, telecommunications, digital systems and PASCAL programming. He has attended a Fellowship Programme in Telecommunication Engineering, courses in Creating Effective Learning Environment and Forecasting in Vocational and Technical Education. He is the Management Representative for Quality and heads the Examinations Board.

## **CIVIL**

department

*Mr. Azizi Lin*, with 17 years of educational experience, was the Principal of the Mu'adzam Shah Secondary School before becoming the head of this department. Mr. Azizi graduated with a Civil Engineering Degree, a postgraduate certificate in Education and a Masters in Construction Management from the UK. He has attended a course in Management of Technical Institution (Japan). He is in charge of the Development and Maintenance Committee.

## **COMMERCE**

department

*Mr. Mohammad Abu Hassan* has 27 years of experience in the field of education. He was the Head of the Economics Course in Ungku Omar Polytechnic prior to joining this polytechnic. He graduated with an economics degree from Universiti Kebangsaan and a Masters Degree in International Trade from the UK. He has attended a course in Module Development in Canada. He is in charge of the Co-operative and Entrepreneurship programme of PSA.

## **GENERAL STUDIES**

department

*Ms. Lucia Quek Sai Gearn* has 16 years of teaching experience prior to her present posting to PSA. She graduated with a degree in English, Diploma in Education (TESL) from University Malaya and a Master of Arts (TEFL) from the UK. She was a team leader in the 1994 committee responsible for the revamping of the curriculum for English for Polytechnics. She has also attended numerous courses in materials adaption and development in ESP (English for Specific Purposes). She is the Head of the committee for Protocol and Official Functions in PSA.



## **MATHEMATICS, SCIENCE AND COMPUTER**

department

*Mr. Suhaimi Aminullah* has 15 years of teaching experience prior to his present posting in PSA. Mr Suhaimi graduated with a degree in Applied Science from the U.K. Mr Suhaimi has attended a "Data Processing" course in Canada and a Certificate course in "Data Processing and Management" in USA. His interest in the area of counselling has led to his appointment as the Head of the PERASA project - a peer group counselling programme aimed at further enhancing the spirit of tolerance, understanding and teamwork among the staff at PSA.

## **STUDENTS AFFAIRS**

department

*Haji Lin Husin*, with 27 years of experience in the educational field, was an Assistant Director with TED prior to his current posting. Both his first and Masters degree are in Vocational Education. His experience in Vocational Education and the Students Intake Unit in TED is an asset to his present post. He is at present in charge of the Project Tracer Study (a joint project between TED, Ministry of Education and IDP Australia), which traces the career development of polytechnic graduates.

## **TRAINING AND CONTINUING EDUCATION**

department

*Mr. Tung Chee Kuan's* 20 year service in the educational field encompasses both academic and administrative experience. His last position prior to coming to PSA was as an Assistant Director in TED. He graduated with a first class Honours degree in Building Services Engineering from the UK and a Masters degree in Technical Education from the USA. His interest and expertise lies in the areas of research, programme evaluation and Student Tracer Study. He presently heads the Steering Committee on Staff Development in PSA.

## **ADMINISTRATION**

department

*Ms. Saadiyah Mohd. Yasin* has 8 years of experience as a training executive and deputy administrative officer in several government and private agencies. She possesses a Diploma in Public Administration, a Certificate in Personnel Administration from MIM and has completed the third level of the Professional Examination of the Institute of Chartered Secretaries and Administrators.

**Towards**

**MS ISO 9002**

For the year 1998, the Quality Committee of Politeknik Shah Alam has carried out various quality programmes with the aim of instilling awareness on the importance of quality to the PSA community.

An exposure course on MS ISO 9002 has been given to the polytechnic community throughout the year. Special programmes have also been arranged for the students to ensure their involvement and participation.

In line with the need for total quality management, 14 November 1998 has been declared as Politeknik Shah Alam Quality Day. Among the activities carried out on that day were an oath-taking ceremony and a message from the Institution Chief Executive Officer, who is the Principal. The launching of the Quality Guide Book by the Director of Polytechnic Management Division, Dr. Ahamad bin Sipon, was the highlight of the event.

The year 1998 saw PSA carry out various activities as part of their proactive strategies towards acquiring MS ISO 9002 certification by the year 2000. These activities also served as a catalyst and a constant reminder of our commitment towards our goals.

Chronology of PSA's Quality programmes as all systems go ..... heading towards .....MS ISO 9002.

<b>Date</b>	<b>Activity</b>
May 1997	~ PSA's key personnels were exposed to a five day course on MS ISO 9000 by officers from IAB (Institute Aminuddin Baki)
July 1997	~ PSA's key personnels were given a course on Documentation Procedures
August 1997	~ Establishment of PSA's Steering Committee on Quality ~ Members of Steering Committee underwent an exposure course on MS ISO 9002 by officers from IAB. Implementation of documentation procedures commenced based on output from the Strategic Planning Workshop
October 1997	~ Quality Campaign commenced
January 1998	~ Representatives from all departments appointed into the Quality Working Committee PSA's staff were given a briefing on quality
February 1998	~ Q-Week - Members of PSA's Steering Committee on Quality on their tour of duty Q-Day... and the winner is the General Studies Department





- March 1998 ~ Panel of writers meets to inspect documents
- April/May 1998 ~ Documentation Officers meet to inspect and refine documents
- July 1998 ~ New staff given a briefing on Quality
- August 1998 ~ Review of Documentation Procedures
- September 1998 ~ Briefing on quality by officers from SIRIM
- November 1998 ~ Commencement of Q-Week for 1998
- Elocution contest on Quality
  - Q logo competition
  - Establishment of Q-Club for students
  - Q-Day 1998
  - Adequacy Audit by Internal auditors
- December 1998 ~ Director of Polytechnic Management Division and Director of ISO Division, MAMPU visit PSA





**PSA - favourite meeting place of the Big Guns of the Ministry of Education.**

Yg. Bhg. Tan Sri Dr. Johari Bin Mat, Secretary - General of Education (centre) on the occasion of MESCA



Meeting of Principals of Polytechnics, chaired by the Director General of Education (centre). On his left is the Deputy Director-General of Education and on his right is the Director of Polytechnic Management Division.



**Congratulations**



Yg. Bhg. Dato' Dr. Abdul Shukur bin Abdullah - on his appointment as Director-General of Education on 29 April 1998



The sporting side of the Director-General of Education, Yg. Bhg. Dato Dr. Abdul Shukur bin Abdullah



The Deputy Secretary-general of Education (II), Yg. Bhg. Dr. Abdul Rahman Bin Idris

**A familiar figure at PSA's functions:**

-Dr. Ahamad Sipon, Director of Polytechnic Management Division

Quality Day



Chairing a meeting



Launching the TIME CAPSULE



PSA's Annual Dinner



Lights, Camera, Action..... Arrival of 2nd batch of PSA staff Jan 1998

Co-curriculum Day



are in order.....



Yg. Bhg. Dato' Hj. Mohd. Khairuddin bin Mohd. Ashaari - on his appointment as Deputy Director-General of Education on 12 Jun 1998



CEO of PSA flagging off the runners on Co-Curriculum day.



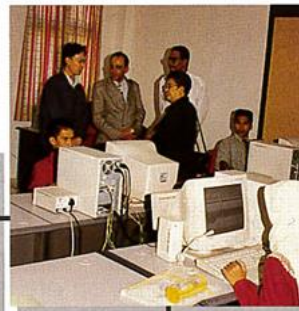
PSA's Students Cultural Night



PSA's Annual Dinner

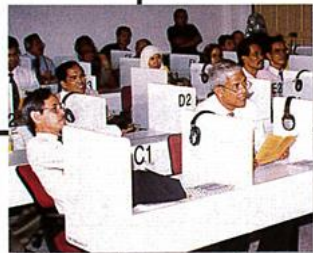
PSA...plays hosts to visitors from far and near

Japan



Egypt

Cambodia



Perak Education Department

the

**CIVIL engineering**

department

The vision of the Civil Engineering Department of PSA is to work closely with industries to develop and train an internationally competitive workforce. This is very timely as the present slow-down in the domestic economy would probably see construction industries consolidating and venturing into the Asia Pacific region and the global market.

The Department at present is conducting courses in two areas namely, Construction and Building Services Engineering. It is anticipated that the Wood-based Technology course would be in the offering by the year 1999. The department which started with a staff strength of 8, 60% of whom possess post-graduate qualifications, has since increased to 22 in order to cope with the 431 Diploma and Certificate course students. The 431 Diploma and Certificate course students are tutored by a team of experienced and dedicated lecturers. They also have the added advantage of hands-on experience on RM 6 million worth of equipment.

These up-to-date equipment, housed in 14 workshops and laboratories, besides being utilized for instructional purposes, can also be used for manufacturing panel products and timber components.

The Building Services Engineering Laboratory has been designed to be in line with the ever changing technology, in particular, the emergence of intelligent buildings. The air-conditioning plant, pump sets and the fire protection system in the laboratory are linked to the BAS and the card access system. This set-up, which is fast becoming a norm in the industry, is testimony of the Civil Engineering Department's strategic planning. The lighting room, solar energy systems, lift model, sophisticated testing equipment such as light meters, acoustic and vibration testers etc. all reflect the curriculum's emphasis on environmental issues.

The Civil Engineering Department, being a strong believer in skills upgrading, is continuously sending its lecturers on numerous short courses on Construction Management, CNC Woodwork and Air Conditioning, in addition to those within the obligations of equipment contract. The department takes pride in the progress made so far. The department strongly believes that as it grows in strength, its vision of producing an internationally competitive construction workforce would become a reality.



the

## **MECHANICAL engineering**

department

PSA's Mechanical Engineering Department's vision is to provide the training ground for semi-professionals in the field of Mechanical Engineering and Packaging Technology courses to be competent and flexible so as to be able to respond to tomorrow's challenge today. Innovative and challenging ways of delivering the curriculum have been adopted to promote and encourage increasing intellectual independence. Flexibility in learning styles obviously needs to be facilitated by a well-equipped and flexible learning environment. All these is evident in the state-of-the-art workshops found in this department.

The total cost of equipping the workshops in this department with sophisticated and high-tech equipment is approximately RM 18.8 million. This is the largest amount spent on an individual department. Lecturers and students in this department are exposed to sophisticated softwares which include CATIA, Master CAM, Solid Work, Auto Cad, Mechanical Desktop and 3D Studio. Students are also given hands-on experience in the use of CNC milling, CNC lathe and wire cut machines. The department's facilities also include workshops and laboratories for welding, machining, moulding, packaging and CAD/CAM.

The pool of experienced academics have also been given intensive training, by the suppliers, in the operation of these machines and equipment. This training is an on-going programme to ensure lecturers are competent in operating these machines, thus facilitating the teaching-learning process.

To date, the department offers Diploma in Mechanical Engineering (General) and Certificate in Mechanical Engineering (General) courses. The total enrolment of this department is 189 students. The total student enrolment is expected to reach 1000 by the year 2000. A number of new courses namely, the Diploma in Mechanical Engineering (Packaging), Certificate in Mechanical Engineering (Packaging), Diploma in Mechanical Engineering (Manufacturing) and Certificate in Mechanical Engineering (Manufacturing) would be introduced in the middle of 1999.

Thus, it can be seen that the workshops and laboratories in PSA's Mechanical Engineering Department can be likened to a 'virtual factory'; offering a spectrum of activities and experience, aimed at providing students with the necessary technical competence to enable them to compete in their field of specialisation.

the

**ELECTRICAL engineering**

department

Today's working environment is characterized by aggressive competition and rapid changes in technology. The electronics and IT industry require high caliber professionals and sub-professionals who have the confidence and knowledge to keep abreast of the technological advances and maximise the opportunities which these new developments offer.

The Electrical Engineering Department of PSA, armed with staff who possess first and post degree qualifications are determined to play their role in helping to meet the man-power requirements of the nation by producing graduates capable of meeting the challenges ahead. The latest intake of Electrical Engineering students (July/December 1998) comprised a total of 457. It is projected that by the year 2000, the total enrolment of this department would increase to 1545, with an annual intake of approximately 600 students.

The department is presently conducting courses in two areas namely, Electronic Engineering (Telecommunications) and Electronics Engineering (Control) at both Certificate and Diploma Level. A new course, Electronic Engineering (Medical) at Certificate and Diploma level would commence in July 1999.

The Electrical Engineering Department has well-equipped laboratories. The telecommunications laboratory is equipped with Computer-Based Trainers (CBT) in Analogue, Digital and Fiber Optics Communication. This vast range of equipment is further enhanced by the availability of trainers in Antenna Modeling, Microwave, Satellite TV, Cellular Telephone, Fascimile, Radar and Pulse Code Switching.

The Data Communication Laboratory is equipped with workstations, complete with network system, capable of running four different operating systems. This laboratory is also equipped with an Integrated Services Digital Network (ISDN) Exchange Trainer. The trainer can be utilized to illustrate and train technicians on how voice and data and image could be transmitted simultaneously over distance. This is in tandem with the latest developments in IT.



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The Instrumentation and Control Laboratory is similarly well-equipped with Process Control Plant, PLC Trainers, Servo Trainers, Transducer Trainers and an Industrial Robot Trainer. All these equipment are meant not only for instructional purposes but can also be used by industries for testing, research and development.

The Programming Laboratory is equipped with workstations and servers and is utilized solely for programming languages such as C, Pascal, Assembler and other high level languages. Besides that, this lab is also equipped with electronic work benches to carry out circuit design and to experiment electronic circuits. All the workstations are linked with a complete LAN network. Despite that, the lab has A3 size Laser plotting facility, in addition to the general purpose printing. The Programming Laboratory is also equipped with facilities for Electronic Computer Aided Design (ECAD).

This state-of-the-art computer laboratory is used for PCB design and fabrication. In addition to that, thin & thick film design can be produced using Mentorgraphics software and SUN unix workstation.

The hands-on experience given to students in the state-of-the-art workshops, the well-planned lectures and tutorials conducted in small classes are part of the Electrical Engineering Department's strategy to provide quality training to its students to enable them to face the challenges in the working world, thus helping Malaysia to achieve its vision to become a fully-industrialized nation by the year 2020.

the

**COMMERCE**

department

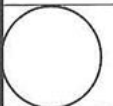
Globalisation, deregulation and liberalisation which ushers in a borderless world is laced with implications, particularly in the world of business. The Commerce Department views this transition seriously and is committed to giving the highest standard of education and training to enable its students to face the challenges which lie ahead.

The curriculum of all its courses, namely Certificate and Diploma in Business Studies, Diploma in Marketing, Insurance and International Trade and the soon to be introduced Diploma in Tourism Management, allows students to develop a technical understanding of marketing principles, documentation, entrepreneurship, research, investment analysis, insurance policies and international trade. Teaching methodology includes case analysis, presentation and project work. An understanding of the practical aspects of business is made possible by the mandatory six-month industrial attachment to appropriate companies in the public and private sectors and also through students' personal involvement in the organisation of activities such as Comfest (Commerce Festival). Seminars such as 'The Role of Freight Forwarder in International Business and its Involvement in Import and Export Documentation' are conducted from time to time to give students a better understanding of the subject.

The Commerce Department is fully aware that exposing its graduates to development in IT in every aspect possible will give its students the competitive edge over their peers. The department has excellent computer support facilities in its accounting laboratories and office simulation rooms.

The present enrolment of approximately 529 students have the advantage of being lectured and tutored by a team of highly educated and experienced local lecturers, 60% of whom possess a Masters Degree. The department also has voluntary lecturers from JICA (Japanese International Corporation Agency). These foreign lecturers have vast experience in the area of corporate management, international trade and investment. They also possess experience as consultants in the labour and foreign trade.

The results of the Commerce students have been most encouraging. For the January 1998 session the overall passes in the final examination was 99%. The department will continue in its efforts to produce graduates who can meet the varied demands of customers as society becomes increasingly sophisticated.





**INDUSTRIAL**

**COLLABORATION**

The concept of Industrial Collaboration was conceived as a result of a government policy which decreed that future skills training would be demand-driven, that is based upon demands of employers rather than labour supply. The implications of this reform is that employers will be playing a very significant role in determining the curricula.

PSA has responded to this paradigm shift by making efforts to form an Advisory Board. Invitations have been sent to CEOs/senior management staff in the public and private sectors. The response has been very favourable and the inaugural meeting is expected in early 1999. It is hoped that the mixed representation would be the start of a harmonious relationship for information exchange on issues related to the labour market, technology transfer, training needs of industries, and also the possibility of financial aid to eligible students. These information will be valuable input for curriculum design, review of existing courses, PSA's formulation of policies and developmental strategies.

In short, it is hoped that the bi-annual meeting would lay the foundation for a smart partnership between PSA, the private sector and other government agencies.

Surveying Practical on Campus



Control Lab:-  
The application of PLC to control processes in an assembly line

Students testing archbridge frame in the RM 1 million Structure Lab



Supplementary Welding Skills



Control Lab -  
Students carrying out an experiment on the application of pneumatic simulation software and pneumatic robot



Students testing soil samples in the RM 1.5 million Soil Mechanics Lab



Students working on the air-conditioning equipment in the Building Services Lab



Simulate for Robotic Arm





'The Aliens are coming'  
communication for the next  
millenium



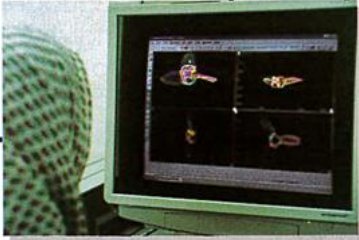
Hands-on experience at the CAD Lab,  
worth approximately RM 1 million



Oral-Aural Session in  
one of the three  
Language Labs,  
installed at acost of  
approximately RM  
380,000



Measurement lab-  
Wheatstone bridge trainer -  
an experiment carries out to  
measure unknown resistance



Video conferencing

The CNC Lab worth RM3.5 million

Simulation  
Meeting in Session



Student's  
Project  
Presentation



*the***ADMINISTRATION**

department

This department is PSA's first tenant as it is the first department to move into the campus. The administration department is the pulse of PSA as it provides the framework to ensure the smooth running of the whole organisation. This department plays three equally important roles. It is PSA's 'financial controller', making sure that the staff are paid on time as well as managing PSA's financial resources. This department also acts as a welfare officer, making sure that all documents related to the staff's official appointments are in order. Last, but not least, it looks into the general administration of the whole organisation.

*the***GENERAL STUDIES**

department

The department comprises three units, namely, the English Language Unit, the Islamic Education Unit and the Moral Education Unit. The English Language Unit concentrates on providing all students with a sound command of the language, both in the oral and written skills. The three sophisticated language laboratories give ample opportunities for the students to practise their oral skills.

A Self-Access Learning Centre has also been set up with the aim of helping the students to become autonomous and independent learners. For this purpose, the English Language lecturers have been inducted to produce self-access teaching materials. In line with instilling new ideas and creativity among lecturers, a workshop on Newspaper in Education was successfully conducted by a facilitator from the New Straits Times.

The Islamic and Moral Education Units facilitate the mission of the Polytechnic in producing graduates equipped, not only with the necessary know-how to take on the challenges in the real world, but also graduates with resilient character. Towards achieving this purpose, the two units have successfully organised several activities such as Islamic Cultural Night, Weekly Islamic/Moral talks, Islamic Day and 'Aqiqah'.

*the***STUDENTS AFFAIRS**

department

The welfare of the students is taken care of by this department. It plans, implements and monitors all programmes involving students from the day they set foot in this campus. Interesting and varied co-curricular activities are also looked into to ensure that 'Jack and Jill will not be dull people.' Hostel accommodation is also under the jurisdiction of this department. Under the mentor-mentee system each lecturer is assigned approximately fifteen students. They have to be responsible for monitoring any emotional or financial problems encountered by the students during their stay at Politeknik Shah Alam.



*the*

## **MATHEMATICS, SCIENCE & COMPUTER**

department

This department is responsible for providing computing service to the citizens of PSA. The mission of the department is to provide quality facilities and training programmes to increase computing competency of both the staff and students of PSA as well as for the public. This department envisages to be an excellent centre for computing education and training, while at the same time, being the channel for the latest innovations in the field of Information Technology.

There are five laboratories each with 45 Pentium - based multimedia computers, multimedia capable, running under Windows NT 4.0 network operating systems.

An Innovation Centre, 'The Link' serves as a centre for the staff to equip themselves with the latest developments in Information Technology through self-directed learning, and tutorials on a one - to - one coaching basis. Tailor-made courses are also available. The knowledge gained will form the basis for the development of instructional materials.

*the*

## **TRAINING AND CONTINUING EDUCATION**

department

This department can be likened to a bridge that connects Politeknik Shah Alam to the world of work. TACED has been entrusted with the responsibility of managing training programmes for its 147 staff; 114 in the management and professional category and the remaining 33 in the support category.

It also supervises students' industrial placement as well as liaise with the public and private sectors under the banner of Time-Sector Privatisation (TSP). The TSP programme represents a smart partnership where outside agencies can utilize the polytechnic's existing facilities and expertise. PSA's lecturers could also be attached to these agencies for a limited period to enable them to be up-dated in the practical aspects of the requirements of the job market.

This department is also the 'public relations department' of PSA. TACED hopes to advertise, publicise and promote PSA to outside agencies via publication of its monthly bulletin and the Annual Report plus taking part in joint exhibitions.

Outing in Port Dickson



Industrial Connection - Students receiving advice on Industrial Training



Training of Trainers - Lecture receiving training



Participants of the PERASA courses  
A peer-group counselling courses aimed at sowing the seeds of understanding and tolerance amongst colleagues.....  
...the result Smiles all round...



Telematches, week-end trips, counselling courses and visits to industries are part and parcel of PSA's staff activities to promote togetherness and widen the staff's horizons.







Visit to Intekma



Visit to MECOM MEDEM



A family that plays together ..stays together  
PSA's Family Day

Tug of War  
"One two pull...  
one two pull..."



Lectures participating  
in the aerobics - during  
Commerce Fest 98





# facilities

PSA's Mini Market -  
The Student's Co-Op



Smile, you're on Candid Camera -  
PSA's own studio



The gourmet square  
of PSA



Photocopying &  
book-binding at  
competitive rates



PSA's library which  
stocks RM 1.2 million  
worth of information



Caring & sharing begins at PSA's nursery

Doctor on call - 12.00  
to 2.00 pm (mon-Fri)



Car wash & vacuum for  
only RM 7.00  
Car wash alone - RM 5.00







The LINK - centre for staff developemnt in the field of IT

The hostel which can accomodate 1272 students



The Multi-purpose hall



The Main Lecture Theatre, with a seating capacity for 300



The Sports Centre which houses the gymnasium

PSA's Lodge - offers 32 single bedrooms with attached bathroom (twin-sharing) and built-in facilities for course participants

**A Quick Glance** at**Students Activities**

The Career Guidance Unit is one of the nine existing units of the Students Affairs Department. Its main function is to provide an avenue for accessing information concerning their future careers through talks, seminars, visits to the industries and participation in exhibitions. It also looks into the academic as well as holistic development of the students. A peer group guidance programme in which selected students were given training in peer group counselling was initiated in July 1998. The short - term objective of this programme is to promote group learning via a system in which a group leader has a maximum of ten students under his/her 'wings'. Desired values are instilled into students through participation in programmes such as the 'Child Adoption Programme' involving the residents of Kampung Endah, Banting. Other activities which are regular items on the agenda are talks / seminars / workshops on motivation, time management, leadership and study skills by professional speakers and motivators.

**Students' Representatives Council** of

PSA

The Students' Representative Council or Jawatankuasa Perwakilan Pelajar (JPP) of Politeknik Shah Alam, on the advice of appointed lecturers, is responsible for organising religious, sports, welfare and social activities as well as society and club activities for the students.

To date, JPP has carried out the following activities:

1. participating in academic exhibitions
2. leasing out stalls during PSA Co-Curriculum Day
3. organising the Students' Annual Dinner
4. providing students with a parking lot
5. providing transportation facilities for non-hostelites
6. launching the 'One-Cent Campaign'
7. publishing the students bulletin

In conclusion, JPP acts as a link between the administration and the students, initiating appropriate clubs and societies whose membership are open to the students, thereby playing a very crucial role in the all-rounded personality development of the students.



## Co-Curriculum Unit

The co-curriculum unit of PSA was established in July 1997 when the first intake of students enrolled. The main objectives of this unit are to enable students to cultivate team spirit and inculcate self discipline. Involvement of students in co-curricular activities will allow students to develop leadership skills and learn the values of co-operation and tolerance with their peers and the community. The co-curriculum unit provides a platform for students to develop further their talents and interests by participating in all the activities available.

Today, 12 societies/clubs come under the co-curriculum unit. They are as follows:

Askar Wataniah Politeknik Shah Alam  
Kadet Pertahanan Awam  
Kadet Bomba Dan Penyelamat  
Kelana Siswa  
Red Crescent Society  
Tae Kwan Do Club

Persatuan Seni Silat Gayung  
Persatuan Seni Silat Cekak  
Kelab Mesra Alam  
Audio Visual Club  
Cultural Club  
Kelab Helwani

In PSA co-curricular activities fall under two categories. They are the uniformed body and the non-uniformed body. However, both categories carry the same objectives.

One of the most memorable activities hosted by this unit was the Co-Curriculum Day held in May this year. This event was very well received by the students and lecturers alike. All the societies and clubs under the co-curriculum unit carried out some activities for the day. This included a march past, self defense demonstrations, a blood donation campaign and exhibitions by the various societies/club.

activities

Co-curricular activities



Mrs. Janet K. Museveni, wife of Uganda President, ushered by PSA students during the Child Adoption Programme at Kampung Endah



125 PSA atudents doing their share of community work

A trip to Tunku Jaafar Generation Station (Port Dickson)



The jubilant look says it all ...yes we love these activities



Sports and games





PSA's holistic approach  
to education and  
training via accessibility  
to a spectrum of activities



An evening with the Islamic Cultural group  
PSA's own Raihan group

Cultural  
Activities



Hands-on experience  
handling the AVA



Adventure

Buiding up team spirit  
and survival skills during  
water tracking



Career Exhibition



## MENTOR

## MENTEE

Mentor-mentee is a programme where lecturers are assigned students as their adopted sisters or brothers. Every lecturer, including the Principal, has about 15 to 20 mentees under his/her supervision. This system is part of PSA's efforts to provide a caring and loving environment, where students can have 'a shoulder to cry on' if the need arises. Statistics valid till December 1998, mentees were supervised by 112 mentors from nine different departments in PSA. Among the activities carried out during the mentor-mentee meetings are birthday celebrations, recreational activities such as picnics and visits.

## CO-OPERATIVE

## OF

## PSA

KOPSA BHD was incorporated on July 30, 1997. It has 1,732 members comprising staff and students of PSA. KOPSA is managed by 15 board of directors, 11 lecturers and 4 students. KOPSA's one year operation has received positive response from all staff and students alike. KOPSA BHD. has shown good progress in terms of sales and shop management. Currently, KOPSA BHD. is running a co-operative store selling students basic necessities. It is also responsible for the purchase and distribution of orientation week's items such as batik dresses, track suits, caps and T-shirts. KOPSA BHD. contributes to PSA's activities by giving donations in terms of goods and money.

## HOSTEL

The three hostels - two for the male students and one for the female students - can accommodate up to 1272 students at any one time. The facilities include a spacious study area, a recreational area equipped with a TV, a laundrette and a cafeteria. Besides providing a conducive environment, various activities are organised to foster closer ties among the hostelites.



**THE**

**ENTERPRENUER CLUB**

PSA's Entrepreneur Club which was formed in October 1997, with the objective of providing guidance and exposure in entrepreneurship, was officially launched and incorporated on August 6, 1998. The principal of PSA is the Registrar of the Company. The initial 75 members has since increased to 266 to-date. Income for the club is generated through membership subscription and an additional fund amounting to RM20,000 was received from the Ministry of Entrepreneur Development.

Students who sit on the Board, manage the affairs of the club, with the guidance of their lecturers. Businesses are either run solely by the club or on a joint venture basis. The 6 businesses currently in operation are The Trillion Entertainment Centre (rental of Audio-Visuals), laundry services, hair cut services, the photocopier & binding services, the car wash and photo studio services. It was also involved in catering food during Orientation Week. The club was the co-ordinator for the Convocation of all kindergartens under KEMAS (Subang Jaya). The club has plans to diversify into nursery and fishery related projects.

**LIBRARY**

The Politeknik Shah Alam library was officially opened by the principal, Tuan Hj. Yusoff b. Harun on October 12, 1998. The library can accommodate up to 706 students and lecturers at any one time. To date, membership is restricted to students and staff of Politeknik Shah Alam. Approximately RM 1.2 million has been spent on reading materials which covers a wide range of topics on Engineering, Commerce, Accountancy, Religious Studies, Mathematics, English, Education and Sports. There are plans to set up cybernet kiosks in the library so that users can access the Internet.

**THE**

**ISLAMIC CENTRE**

This centre works closely with the Islamic Education unit to instill values into the students. The centre now conducts the weekly Friday prayers for the polytechnic community. Members of the public have also graced these Friday prayers. The teaching of the Quran is held every day at the centre.

## MONTHLY

## ASSEMBLY

PSA's monthly assembly was conceived with the aim of promoting an effective two-way communication between top-level management and staff at grass-root levels. It is here that the CEO of PSA shares his thoughts and plans for PSA with all his staff. These monthly assemblies also provide an avenue for staff of various departments to be acquainted with one another. Joyous occasions such as weddings, the birth of a new baby and birthdays are celebrated during these assemblies as part of PSA's on-going efforts to inculcate the spirit of sharing and caring among its staff. Fourteen monthly assemblies, hosted by different departments on a rotation basis, have been held to date.

## STAFF

## DEVELOPMENT

PSA firmly believes that human resource development is an integral part of an organisation's strategic planning towards achieving its objectives. Comprehensive staff development programmes are carried out to ensure the best available human resource to staff its organisation. Here, at PSA every opportunity is given to its staff to update and upgrade themselves. Staff's areas of interests are identified through a Needs Analysis and this is monitored yearly. All new staff are orientated into the new environment via an induction and TQM course where the CEO of PSA provides an insight into the organisation's vision and mission. Numerous courses in the fields of management, electronics and computers have been made available to PSA's staff through concerted efforts between the Technical Education Division of the Ministry of Education and institutions such as IAB (Institut Aminuddin Baki), ITTHO (Institut Teknologi Tun Hussein Onn) and INTAN (Institut Tadbir Awam Negara). A number of technical courses, sponsored by the Colombo Plan Staff College, SEAMEO-VOTEC, the Japanese and Singapore government are also available for the staff of PSA. It is evident that PSA is committed in its efforts to provide every opportunity to its staff to better themselves at all times through internal, external as well as overseas courses.

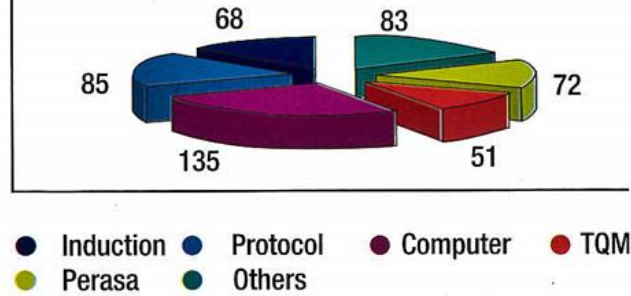


Staff

**development**

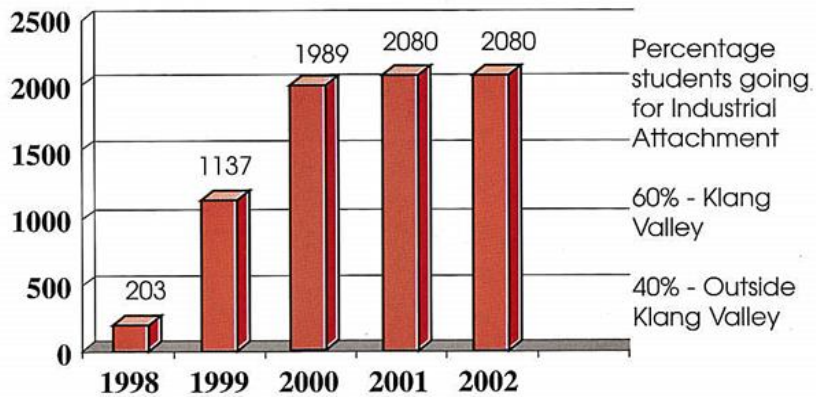
programme

No. of candidates



Number of students on

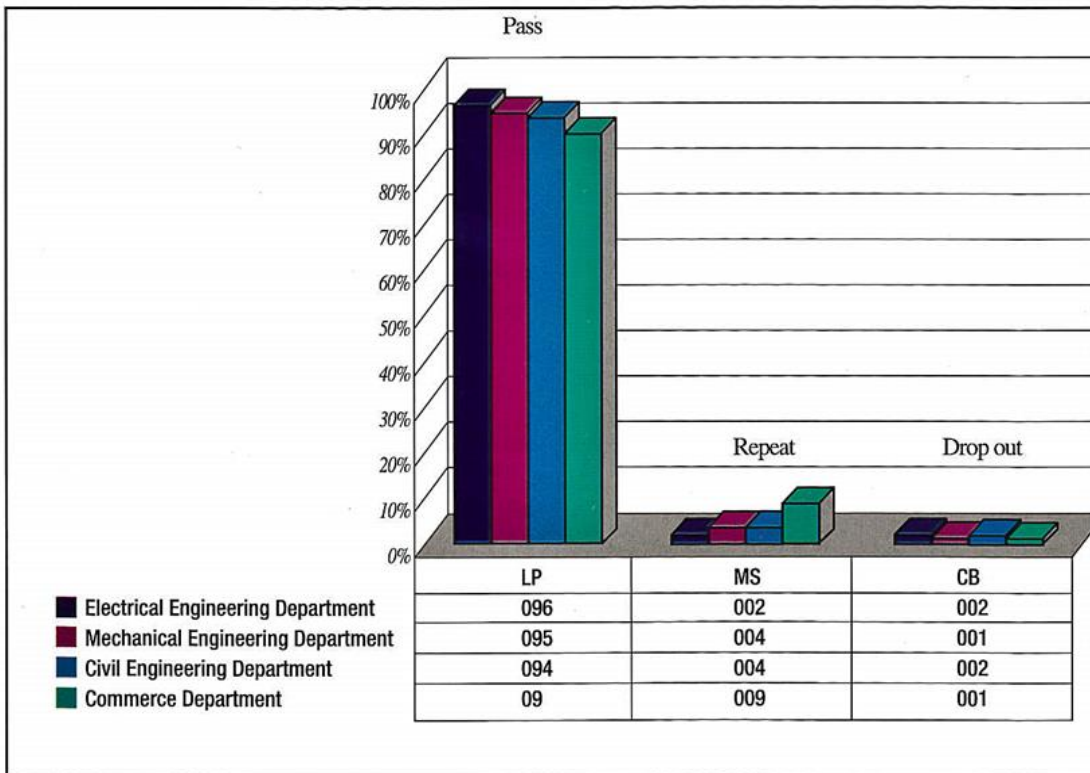
**Industrial Attachments**



	1997	1998	1999
Students	539	1693	*3693
Staff	52	147	*315
Budget	RM 1.7 million	RM 4.92 million	RM*6.7 million

\*Projected / approved

**Examination Results for Dec 1997 to 1998**





Prudent fiscal and monetary policies are vital in the management of the finances of any organisation. The same golden rule applies to PSA.

The information below shows the income and expenditure for PSA for the financial year 1998.

- Government Allocation /Warrants RM 4,922,049.00
- Expenditure RM 4,711,482.47
- Direct delivery of general equipment and furniture from the Ministry of Education* RM 2,400,000.00

**INCOME**

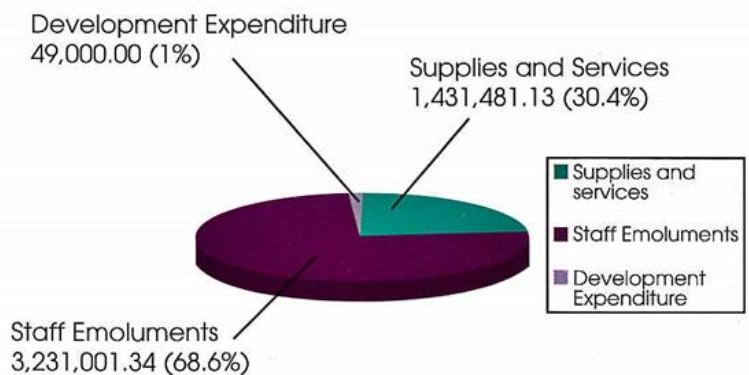
Academic Fees	*506,800.00
Hostel Fees	*110,580.00
Time Sector Privatisation	**43,922.20
<b>Total Income</b>	<b>5,583,351.20</b>

\* Fees collected from students are credited into Bank Negara and accounted as government revenue.

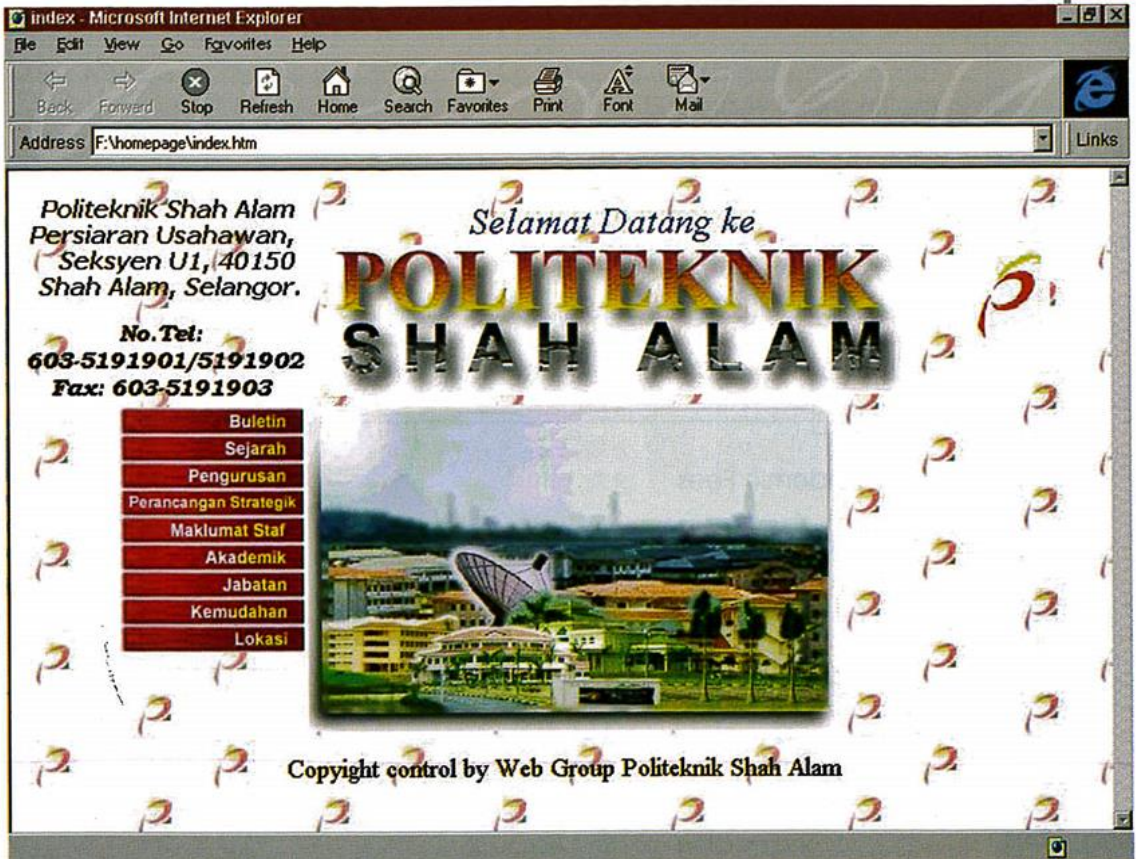
\*\* Income through facilities rented and staff services to outside agencies and credited into 'Trust Account'.

**BREAKDOWN**

**ANNUAL EXPENDITURE 1998**



.....Visit our web site.....



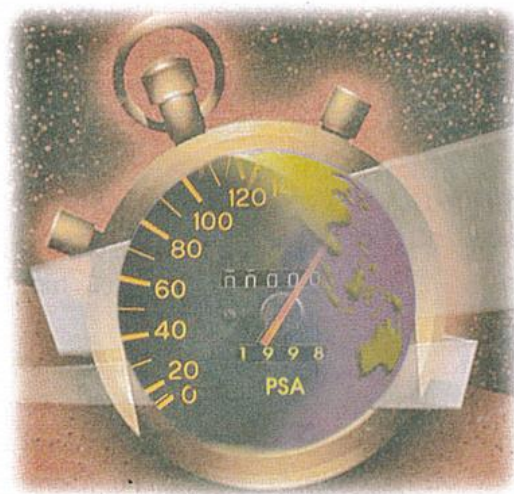
Internet

Revolution

The waves created by the Internet revolution has hit the shores of countries the world over. The MSC is a manifestation of Malaysia's determination to be part of this tidal wave so that it can reap the rewards of this revolution. PSA's pro-active strategic planning has catapulted itself into the era of cyber-technology, resulting in the birth of its own home page, allowing easy accessibility to information concerning PSA's growth and development. We, at PSA cordially invite all to visit us at <http://kdp.ppk.kpm.my/psa/>



# Appendices



# Staff Qualifications

## Electrical engineering department

<i>Names</i>	<i>Qualifications</i>
Zolkarnain Hj. Jobshi	Pg.Dip.(Electro Eng.) B.Eng (Electro Eng.) P.G.C.E., O.N.D.
Zarinah Awang	BSc. in Electric. Eng.
Kenneth Michael Pereira	M.Ed. BSc.(Hons) Med. Elect.
Nik Roslini Nik Ibrahim	B Sc.Electric Eng.(Electro & Syst)
Hamzah Othman	Dip. Ed (Electric Eng.)
Mohd Jamhari Ismail Md. Tokit	Dip. Med. Electro,Cert. Electri Eng. (Power)
Saliza Hanim Leman	Dip. Electric Eng.
Rasidah Sidek	Dip. Med. Electro & Ed.Cert. Elec. (Power)
Roslina Mas'ud	Dip. Electric Eng. (Comm)
Hayati Mohd Yasi	Dip. Electric Eng. (Comm.)
Noor Aidi Nadzri	B. Sc. Electric Eng. (Comm)
Roziah Abdul Latiff	B. Sc. Tech. & Ed. , Dip. Electric Eng. (Comm.)
Norsham Hasan	B. Sc. Electric Eng. (Digital)
Zailawati Othman	B. Sc. Tech. & Ed., Dip. Electric Eng. (Comm.)
Roshidi Zakaria	M. Ed. B. Sc. Medic Electro, Dip. Elec. Mech Eng.
Rahmat Jamil	B. Sc. Electric & Electro Eng.Dip.Electric Eng. (Comm.)
Puah Sew Leng	B. Sc. Electric Eng. (Comm.)
Rozima Khalid	Dip. Electric Eng. (Comm.)
Alimin Shafie	B. Sc. Electric Eng., M. M. Dip.Ed.
Ahamd Nasharuddin A. Rashid	Dip. Med. Electro & Ed., Cert. Electro Eng. (Comm.)
SubashneeA/P Manimuthu	Dip. Med. Electro & Ed. Cert. Electro Eng. (Comm.)
Norhayati Che Husin	Dip. Electric Eng. (Comp. Tech. & Ed.) Cert. Electro Eng. (Comm.)
Mohd Safari Jaafar	B. Sc. Electric Eng.(Comp), Cert. Electro Eng. (Comm.)
Annamalay A/L Munusamy	M. Sc, B. Sc. Electro Com.
Roziyani Zaidon	B. Sc. Electric Eng. (Comm), Dip. Electric Eng. (Comm.)



### Mechanical engineering department

<i><b>Names</b></i>	<i><b>Qualifications</b></i>
Kamaruzaman Hj. Ismail Shuhaimi Zahari	Mech Eng.Human Resource M. Ed. B. (Hons.) Mech. Eng. (Manufact.Tech. & Mgt)
Abd. Razaki Senan Kamaruddin Md. Tamin	B. Sc. Mech. Eng. (Gen) Cert. Metal Fabric& Welding, Dip. Mech. Eng.
Nik Zaleha Nik Manap Norhayati Ibrahim Taufek Omar Norkamal Jaafar Azman Arshad Sulaini Besar Rudy Adrie Idris Mohd Fuaad Fesul Mohd Fahmi Hamid	M. Mechatronic,B.Sc.Prod Eng. & Mgt. B. Sc. Agricultural Eng. & Mgt Dip. Mech. Eng. (General) Agricultural Eng. Mechanical (Textile) B. Sc. Mech. Eng. (Manufact. Tech.) B. Sc. Mech. Eng. (Manufact. Tech.) M.Ed. B.Sc. Ind.Product Design Dip. Mech. Eng. (Metallurgy)

### Civil engineering department

<i><b>Names</b></i>	<i><b>Qualifications</b></i>
Azizi Lin Guan Eng Chan Maznah Othman Abdul Halim Yusoff Mohd Ibrahim Allapitchay Mohd Nasir Ahmad Azizi Rosnani Hj Ahmad Norhayati Zakaria Abdul Ghafar Maafor Rozimah Tahir Tuan Noor Laily Tuan Mamat Azlin Ismail Effendi Suzana Husin Azizi Ahmad Ishamuddin Ishak Roseman Mat Jidin Zulzana Zulkarnain Fawi Samad Zaleha Abdullah Siti Salbiah Ahmad Shariff Arduuniwati Hj Ahmad	M.Sc (Const) B.Sc (Civil) P.G.C.E. M.Sc (Votec) B.Tech &Ed. IEM/BEM B.Sc (Civil) M.Sc(HRD) B.E (Civil) B.Sc (Civil) Dip.Ed B.Sc (Civil) M. Tech& Mgt B.Sc (Civil) B.Sc (Civil) B.Sc ( Arch).M.Ed B.Sc (Arch) Dip.Ed B.Sc (Civil) B.Tech.Ed Dip.(Arch) Dip.(Civil) M.Ed B.Sc.(Forest) Dip. (Forest) B.Sc Building Servies B.Sc (Civil) Dip. Quantity . Cert Ed Dip. Civil Cert Ed. B.Sc (Civil) M.Mgt Dip.Civil and Ed Dip.Civil and Ed

**Commerce department****Names****Qualifications**

Mohammad Abu Hassan	M. Sc. Int. Marketing. B. Econ. Cert. Ed.
Habsah Atan	M.Mgt. B. Sc.(Econ. Resources) Dip.Ed.
Ruslan Salikin	B. Acc. Cert.Insurance. BBA. Mgt. Dip. Bus. Studies
Norlia Ismail	MBA. BBA.(Hons)
Aziyah Abd Aziz	Dip. H&Catering Mgt. Dip. Ed.(TESL)
Arfah Kassim	M.Ed. B.A. (Hons) Tourism Studies
Hamidah Zaaba	BBA Hons. Cert. Ed.
Rubiah Ismail	B.A. (Econs & Business)
Muhammad Fauzi Mokhtar	M.Ed. B.Sc. (Hospitality) Dip. Inst & Mgt.
Suriyani Saad @ Abd. Samad	MBA. B. Sc. (Acc) Dip. Ed
Aziam Mustafa	BBA. (Hons) Dip. Bus. Studies
Haliza Udin	M.Ed. B. Sc. (Hons) Hotel Mgt. Dip. Inst. & Mgt.
Mazilah Abdullah	M.Ed. B. Acc. (Hons) Dip. Acc
Nurulhuda Md. Saad	M.Ed. B. Acc. (Hons) Dip. Acc.
Hasniza Abdullah	M.Ed. BBA (Hons) Dip. Bus. Studies
Azfaedahanim Azis	M.Ed. BBA (Hons).Dip. Bus .Studies
Zalina Ismail	M.Ed. BBA (Hons)
Salwana Yusof	M. Ed. BBA (Hons)
Salehan Marsim	M. Ed. Adv. Dip. Bus. Studies Dip. Inst Analysis
Sulaiman Aris	B.Acc. (Hons) Cert. Ed
Yusminar Yusoff	B.A (Hons) Dip. Inst Analysis. Cert. Ed.
Rosmini Omar	M. Mgt. BBA (Hons) Dip. Ed.

**Computer, math and science department****Names****Qualifications**

Mohamed Suhaimi Aminullah	B.Sc. (Applied Science)
Chan Siew Meng	M.Sc.(HRM)B.Sc. (Civil Eng.)
Azimah Ghazali	B.Sc.(Comp. Sc.)
Jailani Mohideen	B.Sc. (Acc)
Sahalani Basar	B.Mgt. Dip Ed.
Amidah Ujang	B.Sc. (Civil Eng). Dip Ed.
Bryan Hee Tze Keon	M.Ed B. Sc.(Product Design)
Siti Noridah Ali	M.Ed B. Sc. (Comp)
Norhayati Che Husin	Dip.Electric Eng.(Tech. with Ed.)
Abdul Razak Zainuddin	GCE



**General studies department****Names****Qualifications**

Lucia Quek Sai Gearn	B.A (Hons) English. Dip.(TESL) M.A (TEFL)
Susila Devi a/p Gnasagaram	B.Ed (TESL). Cert. Ed.
Sharifah Sheha Syed Aziz Baftim	M.A (TESL).
Mohammad Shukri Deraman	B.A (Hons)Islamic Studies. Dip.Ed.
Mohd. Azli Adnan	B.A (Hons). Dip. Ed
Suriati Abdullah	B.A (Hons)
Rosiah Abu Bakar	B.A (English). M.A (English)
Wan Nooraini Wan Kamaruddin	B.Sc.(Econs). Dip. Ed. M. Ed
Zainoren Mohamed	B.A. Al Azhar, KPLI Arabic
Rosana Ahmad Nordin	B.A (TESL)
Khor Tsui Ping	B.Sc. (Hons). Dip. Ed. (TESL)
Khasniyati Sallehuddin	B.Ed (TESL)

**Student affairs department****Names****Qualifications**

Lin b. Husin	M.Ed B.Ed (Voc. Ed.)
Mohd Shahroni Ismail	B.A. (Hons) Islamic Studies, M.Ed (Ed. Mgt)
Nazri Idris	B.Econ (Hons). Dip. Ed.
Badariah Mohd. Saad	M.Ed (Econ. Ed). B.Sc. (Hons)
Salizahanim Leman	Dip.Elec Eng.(Power)
Norni Abd Wahab	B.A. (Hons) Islamic Studies, Dip. Ed.
Hasnida Ismail	M.Ed Adv. Dip.(Bus. Studies), Dip.Banking
Norbaya Hj. Sidek	Dip.Civil Eng.
Azlida Abdullah	M.Ed BBA.(Hons) Finance. Dip.Inst. Analysis
Nor Aidah Hassan	B.Econ. (Hons). Post Graduate Dip. Econ. Cert Ed.

**Training and continuing education department)****Names****Qualifications**

Tung Chee Kuan	M.Sc.Ind. Ed. & Tech B.E (Hons) Building Services Eng. Dip In Civil Eng.
Zainah Rujihan	M.Mgmt. B.Sc(Hons)Ind.Eng. Dip.Ed
Ong Tit Suen	B.a.ELT(Hons) E.S.P Birmingham
Lim Peng Peng	B.Sc.(Civil) Eng.
Siti Safiah Marzuki	B. (Hons) Tech. & Ed. (Electrical Eng.)
Mohd Rizuan Mat Ramli	M.Ed. B.A (Graphic Design). Cert. Arch.
Norzuwana Sumarjan	M.Ed. B.A. (Hons) Tourism Studies

# Partners in Training

Politeknik Shah Alam wishes to thank the following companies and government bodies for their support and close co-operation in providing training places to our students during the years 1997 to 1998.

## a

ABB INDUSTRIAL & BUILDING SYSTEM SDN BHD  
 ABDA AIRFREIGHT SDN. BHD.  
 ABE CONSULTING GROUP SDN. BHD.  
 ABLE FREIGH FORWARDING SDN. BHD.  
 ADVANCED MICRO DEVICES EXPORT SDN BHD  
 AERO PRECISION RESOURCES SDN BHD  
 AETNA UNIVERSAL INSURANCE BHD  
 AFFORDABLE TECHNOLOGY SDN BHD  
 AGENSI PENGHANTARAN SETIA JASA  
 AIMA CONSTRUCTION SDN. BHD.  
 AIR BRIDGE (M) SDN. BHD.  
 AIR EXPRESS INTERNATIONAL (M) SDN. BHD.  
 AIRCRAFT ENGINE REPAIR AND OVERHAUL SDN BHD  
 AIRLIFF ASSOCIATED SDN. BHD.  
 AIWA ELECTRONICS (M) SDN BHD (TRAINING SECTION)  
 AL-JEFFRI & CO, PUBLIC ACCOUNTANTS  
 AL-NAMAL CORP SDN BHD  
 ALEXENDER & ALEXENDER (M) SDN. BHD.  
 AMAN FREIGHT (M) SDN. BHD.  
 AMAN SELAMJA SDN. BHD  
 AMERICAN HOME ASSURANCE CO.  
 AMERICAN INTERNATIONAL ASSURANCE  
 AMERICAN INTERNATIONAL ASSURANCE CO. LTD.  
 AMOCO CHEMICAL (M) SDN. BHD.  
 AMSTEEL MILLS SDN BHD  
 ANG AH CHIN SDN. BHD  
 ANGKASA JURUTERA PERUNDING SDN BHD  
 ARAB MALAYSIAN ASSURANCE BERHAD  
 ASIA PACIFIC FRIEGH SDN. BHD.  
 ASJ AGENCY SDN BHD  
 ATL ELECTRONICS (M) SDN BHD  
 ATNA COMMUNICATIONS AND SERVICES  
 AYAMAS FOOD CORP. BHD

## b

B PLUS Q SDN BHD  
 BANDA RAYA DEVELOPMENTS BHD  
 BANK BUMIPUTRA M'SIA BHD, CAW. MASJID TANAH  
 BANK BUMIPUTRA M'SIA BHD-CAW. ALOR SETAR  
 BANK BUMIPUTRA M'SIA BHD-CAW. KOTA TINGGI, JOHOR  
 BANK BUMIPUTRA MALAYSIA BHD  
 BANK BUMIPUTRA MALAYSIA BHD, CAW. BUTTERWORTH  
 BANK INDUSTRI MALAYSIA BERHAD  
 BANK ISLAM MALAYSIA BERHAD  
 BANK PEMBANGUNAN (M) BHD.  
 BANK PERTANIAN MALAYSIA  
 BANK PERTANIAN MALAYSIA  
 BARISAN JURUTERA PERUNDING (PENANG) SDN BHD  
 BATU TIGA TRADING SDN BHD  
 BATUTA TRAVEL & TOURS SDN BHD  
 BBN DEVELOPMENT SDN. BHD.  
 BELL & ORDER BHD

BERJAYA GENERAL INSURANCE SDN. BHD.  
 BERJAYA PRUDENTIAL ASSURANCE  
 BORNEO SAMUDERA SDN. BHD.  
 BOUSTEAD HOLDINGS BERHAD  
 BRIDGECON ENGINEERING SDN. BHD.  
 BRIGHT FORMULA  
 BRIGHTTECH MARKETING ENTERPRISE  
 BSL ASSEMBLY SDN. BHD  
 BI TECHNOLOGIES CORPORATION SDN BHD  
 BINAAN DESJAYA SDN. BHD  
 BINADARA SDN. BHD  
 BINARAYA PKINK SDN. BHD  
 BMG MUSIC (M) SDN. BHD.  
 BONAZA EXPRESS TRAVEL & TOURS SDN BHD

## c

CASIO(M) SDN BHD  
 CASUARINA PARKROYAL IPOH  
 CELCOM MALAYSIA SDN. BHD.  
 CELCOM SDN. BHD., CENTRAL BUSINESS CENTRE  
 CHIANG JIANG ALUMINIUM SDN BHD  
 CITY LINK AIR CARGO SDN. BHD.  
 CNO SELANGOR BARAT IBUSAWAT KUALA SELANGOR  
 COMPUTER RESOURCES CENTRE  
 COMPUTER SYSTEMS ADVISERS (M) BHD  
 CONCORDE HOTEL SHAH ALAM  
 CONTERM MULTIMODAL SERVICES SDN. BHD.  
 COOLINE ENGINEERING SDN BHD  
 COPAL PRECISION (M) SDN BHD  
 CRYSTAL CROWN HOTEL HARBOUR VIEW  
 CURIO PACK SDN BHD

## d

DAIMIK ELECTRONIC INDUSTRI CO SDN BHD (DAI  
 DARTAIR EXPRESS (M) SDN. BHD.  
 DARUL AMAN REALTY SDN. BHD  
 DARUL KARISMA (M) SDN BHD  
 DAYA URUS SDN BHD  
 DAYABUMI  
 DELTA LOGISICS (M) SDN. BHD.  
 DELTA PARADISE LAGOON HOTEL  
 DHL WORLDWIDE EXPRESS SDN. BHD.  
 DIAMOND PUTERI HOTEL  
 DIESEL ENGINEERING SERVICE  
 DIMERCO EXPRESS (M) SDN. BHD.  
 DIPERDANA KONTENA SDN BHD  
 DITALI SDN BHD  
 DORSETT REGENCY KUALA LUMPUR  
 DREXEL BAKTI OILFIELD SERVICES  
 DUTA NILAI DEVELOPMENT SDN BHD  
 DYNASTY HOTEL KUALA LUMPUR

## e

EAST ASIA CAPITAL SDN. BHD.  
EASTERN CARGO EXPRESS (M) SDN. BHD.  
EASTREX SHIPPING SDN. BHD.  
EDARAN OTOMOBIL NASIONAL BHD.  
EIKO ELECTRONICS PRODUCTION (M) SDN BHD  
ELKAT ELECTRONICS (M) SDN BHD  
EMBASSY FREIGHT SERVICES SDN. BHD.  
EMERY WORLDWIDE (M) SDN. BHD.  
ENKEI (M) SDN. BHD.  
EON CMG LIFE ASSURANCE BERHAD  
EPSON PRECISION (M) SDN. BHD  
ER MEKATRON SDN. BHD  
ERICSON

## f

FAR-GO JASA FREIGHT SERVICES SDN. BHD.  
FAST AIRFREIGHT & FORWARDING SDN. BHD.  
FEDERAL EXPRESS SERVICES (M) SDN. BHD.  
FELCRA BERHAD  
FELCRA BERHAD, IPOH  
FELCRA SEBERANG PERAK BHD  
FELDA , KILANG SAWIT JERANGAU BARAT  
FELDA , KILANG SAWIT KAHANG  
FELDA PALM INDUSTRIES SDN BHD, IBU PEJABAT  
FIMAS ELECTRONICS SDN. BHD.  
FIRESHIELD EQUIPMENT SDN. BHD  
FJ TECHNOLOGIES SDN BHD  
FM AIRFREIGHT SDN. BHD.  
FOSTER THERMAL ENGINEERING (M) SDN BHD  
FRANCIS TAN & CO  
FREIGHT MANAGEMENT (M) SDN. BHD.  
FREIGHT MASTERS  
FRELANC CORPORATION

## g

G-TEK ELECTRONICS SDN BHD  
GE ENGINE SERVICE, M'SIA.  
GENERAL MICROSYSTEMS SDN. BHD.  
GENTING SANYEN POWER SDN BHD  
GEOFOUND CONSTRUCTION SDN BHD  
GEORGE KENT (M) BHD  
GOLDEN ANCHOR SHOES (M) SDN BHD  
GOLDEN CLAY INDUSTRIES SDN. BHD  
GOLDEN HOPE PLANTATION BHD  
GOODYEAR (M) BHD.  
GOPS EQUIPMENT DESIGNER (M) SDN BHD  
GPQ SDN BHD  
GRAND ASSOCIATES CORPORATION SDN. BHD.  
GRAND FRONTIER TECHNOLOGY (KEDAH)  
GREAT EASTERN LIFE ASSURANCE CO. LTD.  
GREAT SAMA ELECTRICAL ENGINEERING SDN BHD  
GROUP FREIGHT FORWARDING SDN. BHD.  
GUAN GUAN SHIPPING SDN. BHD.  
GUAN JOO HIN CONSTRUCTION  
GUARDIAN INSURANCE  
GUILD OF BUMIPUTRA CONTRACTORS  
GULA PADANG TERAP BERHAD  
GULF INDUSTRIES (M) SDN. BHD.  
GUMI ASLI ELEKTRIKAL SDN BHD

## h

HACNY TRANSPORTATION (M) SDN. BHD.  
HAJI EMBONG SDN. BHD  
HALAMAN GEMILANG SDN BHD  
HARA ELECTRICAL & CONSTRUCTION  
HARRIS ADVANCED TECHNOLOGY M. S/B  
HARTRODT AIR SERVICES ( M) SDN. BHD.  
HASANI MANAGEMENT SDN. BHD.  
HASU INDUSTRIES SDN. BHD  
HEAD ,INTERNATIONAL AFFAIRS & BUSINESS OPERATIONS  
HECH-ZEQ MARKETING SDN BHD  
HEWLETT-PACKARD (M) SDN. BHD.  
HIJRAH UNIT TRUST MANAGEMENT BHD  
HILLCITY HOTEL MANAGEMENT SDN BHD  
HITACHI CHEMICAL (JOHORE) SDN BHD  
HITACHI ELECTRONIC DEVICES (M) SDN. BHD.  
HITACHI SEMICONDUCTOR (M) SDN BHD  
HOLIDAY INN CROWNE PLAZA JOHOR BAHRU  
HOLIDAY INN SHAH ALAM  
HOTEL EQUATORIAL KUALA LUMPUR  
HOTEL GRAND CONTINENTAL  
HOTEL ISTANA  
HOTEL NIKKO KUALA LUMPUR  
HOTEL PERDANA SDN BHD  
HYATT REGENCY JOHOR BAHRU  
HYATT REGENCY SAUJANA

## i

IME TECHNOLOGY SDN BHD  
INDKOM ENGINEERING SDN BHD  
INTACS MANAGEMENT  
INTACS MANAGEMENT  
INTEGRATED WOODWORK SDN BHD  
INTELLIGENCE TECHNOLOGY SERVICES SDN. BHD.  
INTERGRATED LOGISTICS BERHAD, JAB. SUMBER MANUSIA  
IPOH CARGO TERMINAL SDN BHD  
ISI CONTROL SDN BHD  
ISYODA (M) SDN. BHD

## j

JAB. K/ RAYA KOTA SETAR/PADANG TERAP  
JABATAN KERJA RAYA (JKR) KEDAH  
JABATAN KERJA RAYA (JKR) KERIAN  
JABATAN KERJA RAYA AIR KEDAH TENGAH  
JABATAN KERJA RAYA BESUT  
JAB. K/ RAYA KOTA SETAR/PADANG TERAP  
JABATAN KERJA RAYA (JKR) KEDAH  
JABATAN KERJA RAYA (JKR) KERIAN  
JABATAN KERJA RAYA AIR KEDAH TENGAH  
JABATAN KERJA RAYA BESUT  
JABATAN KERJA RAYA CAW. KEJ. MEKANIKAL SHAH ALAM  
JABATAN KERJA RAYA HULU LANGAT  
JABATAN KERJA RAYA HULU SELANGOR  
JABATAN KERJA RAYA JOHOR  
JABATAN KERJA RAYA KELANTAN  
JABATAN KERJA RAYA KENINGAU  
JABATAN KERJA RAYA KLANG  
JABATAN KERJA RAYA KUALA LANGAT  
JABATAN KERJA RAYA KUALA SELANGOR  
JABATAN KERJA RAYA KUBANG PASU  
JABATAN KERJA RAYA KULIM



## j

JABATAN PENYIARAN-RTM-BAH. KEJURUTERAAN  
JABATAN PERUMAHAN NEGARA WILAYAH TIMUR  
JACK CHIA & CO (M) SDN. BHD.  
JAFILA TRAVEL AND TOURS  
JAMIL GHANI CONSTRUCTION SDN. BHD  
JASMINE FOOD (JOHOR BAHRU) SDN BHD  
JB KULIM DEVELOPMENT SDN BHD  
JERAI TIMUR ENGINEERING SDN BHD  
JOHAWAKI SDN BHD  
JSI SHIPPING (M) SDN. BHD.  
JURUTERA DAERAH-JKR KUBANG PASU  
JURUTERA PERUNDING SEPADU  
JURUTERA TEKNIK DAN RAKAN-RAKAN  
JVC ELECTRONIC (M) SDN BHD  
JABATAN KERJA RAYA MUAR  
JABATAN KERJA RAYA PERLIS  
JABATAN KERJA RAYA SABAK BERNAM  
JABATAN KERJA RAYA SARAWAK  
JABATAN KERJA RAYA SELANGOR  
JABATAN KERJA RAYA SEPANG  
JABATAN KERJA RAYA TERMERLOH  
JABATAN KERJA RAYA, NEGERI SEMBILAN

## k

K-LINE AIR SERVICE (M) SDN. BHD.  
K.B PILING (M) SDN. BHD  
KARUDA SERVICES SDN. BHD.  
KEDAI TELEKOM KUALA SELANGOR  
KEDAI TELEKOM KUALA SELANGOR  
KEDAI TELEKOM PERAK UTARA  
KEE HIN INDUSTRIES SDN BHD  
KEJURUTERAAN PESONA MAJU SDN BHD  
KEJURUTERAAN TECS SDN. BHD.  
KELANG CONTAINER TERMINAL BHD  
KELANG CONTENTA TERMINAL BHD.  
KELANG PORT MANAGEMENT  
KELKON SDN. BHD  
KEMAYAN BINA SDN. BHD.  
KERIS LAGENDA SDN. BHD.  
KILANG SAWIT FELCRA BUKIT KEPONG  
KILANG SAWIT WAHA  
KIM SENG PERABUT  
KINTETSU INTERGRAD AIR SVCS SDN. BHD.  
KINTRON BHD  
KL AIR FREIGH (M) SDN. BHD.  
KL HILTON  
KLCC URUSHARTA SDN  
KLK KONTRAK BINA SDN. BHD.  
KOI KIM SENG DEVELOPMENT SDN BHD  
KOLEJ TEKNOLOGI BERTARI  
KONG KONG ELECTRICAL WORKS  
KOPERASI PEKEBUN KECIL (DAERAH K. KANGSAR BHD)  
KOPERASI POLITEKNIK SHAH ALAM  
KOSJAYA DIDATIC SDN BHD  
KREANER PROCESS SYSEM, ASIA PACIFIC SDN. BHD.  
KRIS PAHLAWAN  
KTA (SARAWAK) SDN. BHD  
KTA TENAGA SDN BHD

## m

MARIMAS SDN. BHD  
MARUBENI CORPORATION.  
MAS AEROTECHNOLOGIES  
MATSHUSHITA COMPRESSOR AND MOTOR SDN BHD  
MATSHUSHITA TELEVISION CO. (M) SDN. BHD  
MATSHUSHITA ELECTRONIC COMPONENTS (M) SDN BHD  
MATSHUSHITA ELECTRONIC MOTOR (M) SDN BHD  
MAZ AGENCY  
MCGREGOR SEA & AIR SERVICES (M) SDN. BHD.  
MCIS INSURANCE  
MEGALEISURE SDN BHD  
MEIDEN QUARTZ (M) SDN. BHD  
MENANG INTAN SDN BHD  
METRO KAJANG HOLDINGS BHD.  
MEWAH KOTA SDN. BHD.  
MNI CAWANGAN KOTA BAHRU  
MOCCIS COMPUFORM SDN. BHD.  
MOHD LATIP & ASSOCIATES  
MOKHTAR CONSULT & ASSOCIATES  
MONIER (MALAYSIA) SDN. BHD.  
MOTOROLA SDN BHD  
MOTOROLA SEMICONDUCTOR SDN BHD  
MSAS CARGO INTERNATIONAL (M) SDN. BHD.  
MSC/PJ/SB NETWORK DEVELOPMENT  
MSS AGENCY MAA ASSURANCE BHD  
MULTI CARGO EXPRESS SDN. BHD.  
MULTI TRANS SDN. BHD.  
MULTI-PURPOSE INSURANS BHD.  
MULTIMODAL FREIGHT SDN BHD  
MUTIARA MUKARA SDN. BHD.  
MY FURNITURE EXPORT SDN BHD  
MYDIN WHOLESALE EMPORIUM

## n

NADA CEKAL SDN BHD  
NAFAS ABADI HOLDING SDN. BHD  
NASIONAL PANASONIC (M) SDN. BHD.  
NATEX RUBBER TRADING  
NATIONAL LAND FINANCE  
NATIONAL SEMICONDUCTOR SDN. BHD.  
NATSEVEN TV SDN. BHD.  
NEC SEMICONDUCTORS (M) SDN. BHD.  
NISHIMATSU-CORPOR CONSTRUCTION (M) SDN BHD  
NJ METAL STAMPING SDN BHD  
NORA FREIGHT SERVICES SDN. BHD.  
NORTHERN TELECOM INDUSTRI SDN BHD  
NUSANTARA WORLDWIDE INSURANCE (M) BHD

## o

OAS AIRFREIGHT SYSTEMS (M) SDN. BHD.  
OMMANI SERVICE & TRADING SDN. BHD.  
ONGKUS ENTERPRISE  
ONKYO ELECTRIC (M) SDN BHD  
ORIENTRAX SDN. BHD.  
OYL MANUFACTURING COMPANY

P

PACIFIC & ORIENT INSURANCE CO. SDN. BHD.  
 PADIBERAS NASIONAL BERHAD  
 PADIBERAS NASIONAL BERHAD  
 PAN EAST WIND FORWARDERS (M) SDN BHD  
 PANWATER ENGINEERING SDN BHD  
 PARADISE TANJUNG BUNGAH  
 PASIR PUTEH DEV. CORP. SDN. BHD  
 PEJABAT JABATAN KERJA RAYA DAERAH KOTA TINGGI  
 PEJABAT PERTANIAN DAERAH BATU PAHAT  
 PEJABAT SETIAUSAHA KERAJAAN NEGRI SEMBILAN  
 PEJABAT WILAYAH FELCRA PERAK  
 PELANGI BEACH RESORT  
 PELANGI FORWARDING SDN. BHD.  
 PEMBINAAN ANZ SDN. BHD  
 PEMBINAAN DIN IBRAHIM SDN BHD  
 PEMBINAAN HUP TAI SDN BHD  
 PEMBINAAN NIDZAHAM SENDIRIAN BERHAD  
 PEMBINAAN PUNCA CERGAS SDN. BHD.  
 PENANG MUTIARA BEACH RESORT  
 PENANG SEAGATE INDUSTRI SDN. BHD.  
 PENGANGKUTAN KARGO UDARA MAS SDN. BHD.  
 PENTAMASTER TECHNOLOGY SDN BHD  
 PERBADANAN PEMBANGUNAN PULAU PINANG  
 PERBANDARAN PERWIRA HARTA MALAYSIA  
 PERCETAKAN NASIONAL (M) BHD.  
 PERDANA CIGNA INSURANCE BHD.  
 PERNAMA  
 PERNEC ADVANCED NETWORK SDN BHD  
 PERNIAGAAN CHING WAH  
 PERUNDING AMANAH  
 PERUNDING DAYA MAJU  
 PERUNDING IKATAN  
 PERWIRA AL-SHURA CONSULTING ENGINEERS SDN BHD  
 PETRONAS  
 PETRONAS GAS BHD.  
 PHILI ORIENT LINES SDN. BHD.  
 PIZ DEVELOPMENT CORPORATION SDN. BHD  
 PKNS  
 PKNS INFRA SDN BHD  
 PLUSMORE SDN BHD  
 POLYTOOL INDUSTRIES  
 POLYTRON RESOURCES SDN BHD  
 POR OOI & CO, PUBLIC ACCOUNTANTS  
 PROGRESSIVE INSURANCE BHD.  
 PROJEK USAHASAMA TRANSIT RINGAN AUTOMATIK SDN  
 BHD  
 PROKEL MANAGEMENT SDN BHD  
 PUNCAK NIAGA (M) SDN. BHD.  
 PUSAT LATIHAN PERWAJA, PERWAJA STEEL SDN BHD  
 PUSAT ZAKAT SELANGOR  
 PERPEL TRAVEL & TOURS SDN BHD  
 PERTAM PROPERTIES SDN BHD  
 PERTIMA TERENGGANU SDN. BHD.  
 PERNIAGAAN MOHD SAPAK SDN BHD  
 PERTUBUHAN PELADANG KAWASAN LABIS  
 PERUNDIND IMS  
 PERUNDING AJZ SDN. BHD.

R

RAAZ'TA ADVERTISING & CONSULTANTS SDN BHD  
 RADISSON HOTEL & CONVENTION CENTRE S.ALAM  
 RAMLI CONSTRUCTION SDN BHD  
 RAYVEST FORWARDING (M) SDN. BHD.  
 RENAISSANCE PALM GARDEN HOTEL  
 RENTAS SENI SDN BHD  
 RESEARCH & SOLUTION MASTERS  
 RESIDENCE INN CHERATING  
 RESIDENCE RESORT PAKA TERENGGANU  
 RESORTS WORLD BERHAD  
 RIFA INSTITUTE OF ENGINEERING TECH

S

S.E.H. SDN. BHD.  
 S.T.OOI & ASSOCIATES  
 SABAH ELECTRICITY SDN BHD  
 SAMSUNG ELECTRON DEVICES (M) SDN. BHD.  
 SAPURA HOLDINGS SDN BHD  
 SASA AIR CARGO EXPRESS SDN. BHD.  
 SBBU SDN BHD  
 SCOTT PAPER (M) SDN. BHD.  
 SEA INSURANS-SOUTH EAST ASIA INSURANCE BERHAD  
 SEALAND AIR FREIGHT EXPRESS SDN. BHD.  
 SEAWAY CONSOLIDATED (M) SDN. BHD.  
 SELANGOR INDUSTRIAL CORPORATION SDN. BHD.  
 SELANGOR MEDICAL CENTRE SDN BHD  
 SENI KEMBARA CONSTRUCTION SDN BHD  
 SEPEKAN SDN BHD  
 SETIAKAWAN ELEKTRIK  
 SHAPADU-BAL TRANSPORT (M) SDN. BHD.  
 SHARP (M) SDN BHD  
 SHARP-ROXY ELECTRONICS CORPORATION (M) SDN.  
 BHD  
 SHELL REFINING CO (FOM) BHD  
 SHERMONT BUSINESS ACADEMIC SDN. BHD.  
 SHINCA SDN. BHD.  
 SIEMENS COMPONENTS (ADVANCED TECHNOLOGY)  
 SDN. BHD  
 SILVERON BUILDERS SDN BHD  
 SIME AXA ASSURANCE BERHAD  
 SIME BANK BERHAD  
 SIME DARBY BERHAD  
 SIME INAX SDN BHD  
 SIME TYRES INTERNATIONAL (M) SDN BHD  
 SINMAH FOOD SERVICES SDN BHD (IPOH DEPOT)  
 SIRIM BERHAD  
 SISMA TECH (M) SDN. BHD.  
 SOLECTRON TECHNOLOGIES SDN. BHD  
 SONY ELECTRONICS (M) SDN BHD  
 SONY MECHATRONIC PRODUCTS (M) SDN BHD  
 SONY TV INDUSTRIES (M) SDN BHD  
 SSA CONSULTANT & MANAGEMENT SDN BHD  
 STEELFORM INDUSTRIES (M) SDN BHD  
 STRAITS & ISLAND GENERAL INSURANCE SDN. BHD.  
 STRAITS ELECTRICAL SDN BHD

SUGA ELECTRON (M) SDN BHD  
 SUMIPUEH STEEL CENTRE SDN. BHD  
 SUN ALLIANCE MALAYSIA (M) SDN. BHD.  
 SUNGAI HARMONI SDN BHD  
 SUNGAI WAY CONSTRUCTION BHD  
 SUTERA INN SDN. BHD  
 SWISS GARDEN HOTEL  
 SWITCHING 1, SCHOOL OF TELECOMUNICATION (SOT)  
 SYARIKAT DAGANG BAHANAN SDN. BHD.  
 SYARIKAT SHARIFF DIN SDN. BHD  
 SYARIKAT SULAIMAN DAUD SDN BHD  
 SYARIKAT TAKAFUL MALAYSIA BHD, J.B.  
 SYARIKAT TAKAFUL MALAYSIA BHD, K.L.  
 SYARIKAT TAKAFUL MALAYSIA BHD, TAIPING  
 SYARIKAT TAKAFUL MALAYSIA, CAWANGAN BUTTER-  
 WORTH  
 SYARIKAT TAKAFUL MALAYSIA, SG. PETANI  
 SYARIKAT TAKAFUL MALAYSIA, SHAH ALAM  
 SYARIKAT YUSOF YASIN SDN BHD  
 SYKT MEGAT AHMAD SHAHRANI SDN. BHD

## t

T&K AUTOPART SDN. BHD.  
 T.A.E. ENGINEERING WORKS SDN. BHD.  
 T.C.LIEW & CO PUBLIC ACCOUNTANTS  
 TACTECH INDUSTRIES (M) SDN BHD  
 TAG MARKETING SDN BHD  
 TAN CHONG EXPRES AUTO SERVIS S/B  
 TAN RADIO/TV SERVICES  
 TEAM AIR EXPRESS (M) SDN. BHD.  
 TEAMWORK CORP SDN BHD  
 TECHNIP GEOPRODUCTION (M) SDN BHD  
 TEE CONSULTANTS  
 TEE CONSULTANTS  
 TELEKOM MALAYSIA BERHAD  
 TELEKOM MALAYSIA BERHAD, ALOR SETAR  
 TELEKOM MALAYSIA BERHAD, KOTA BAHRU  
 TELEKOM MALAYSIA BERHAD, MELAKA  
 TELEKOM MALAYSIA BHD, JOHOR BAHRU  
 TELEKOM MALAYSIA BHD, TAIPING  
 TELEKOM MALAYSIA BHD, TERENGGANU  
 TELEKOM MALAYSIA BHD, UNIT SUMBER MANUSIA  
 TELEKOM MULTIMEDIA, TELEKOM MALAYSIA BHD  
 TENAGA NASIONAL BHD  
 TENAGA SWITCHGEAR SDN BHD  
 TENGGARA CEMENT MANUFACTURING SDN. BHD.  
 TEONG HOE CONSTRUCTION SDN BHD  
 TERAS JENANG HOLDING BERHAD  
 THE ASIA INSURANCE CO. LTD.  
 THE LEGEND HOTEL AND APARTMENTSS

THE MALAYSIAN INSURANCE INSTITUTE  
 THE MASTER AIRFREIGHT SDN. BHD.  
 THE PAN PACIFIC GLENMARIE RESORT  
 THE PEOPLE'S INSURANCE CO. (M) SDN. BHD.  
 THE SOUTHERN HOSPITAL  
 TIME CONTROL SDN BHD  
 TIME REACH SDN. BHD  
 TITIMAS SHIPPING TRADING SDN BHD  
 TMB. PEMBANGUNAN HARTANAH SERVICES CO.  
 TNT EXPRESS WORLDWIDE (M) SDN. BHD.  
 TOP THERMO MFG (M) SDN BHD  
 TOSHIBA ELECTRONICS MALAYSIA S/B  
 TRACTORS MALAYSIA (1982) SDN. BHD.  
 TRANSCOMODITIES FUTURES (M) SDN BHD  
 TRANSFLEET HOLDING SDN. BHD.  
 TRAVELLODGE PERLIS  
 TRENOLLO RESOURCES SDN BHD  
 TRI-MODE LINES SDN. BHD.  
 TRUST INTERNATIONAL INSURANCE (M) SDN BHD  
 TUBULAR METAL FORMS SB  
 TV3 SDN BHD

## u

UB USAHABINA SDN. BHD.  
 UBF ENGINEERING SDN BHD  
 UDA-MURNI DEVELOPMENT SDN BHD  
 ULTVICTORY SDN BHD  
 UMBC INSURANS SDN. BHD.  
 UMW  
 UNIMARINE FORWARDING & SHIPPING SDN. BHD.  
 UNIQUE WIRE CUT SDN BHD  
 UNIT SOMA DUNGUN  
 UNITATA BERHAD  
 UNIVERSAL ENGINEERING WORKS  
 URUSAN SINAR SDN BHD, SRI KEMBANGAN  
 URUSAN SINAR SDN. BHD, TTDI JAYA  
 URUSWAJAR SDN BHD  
 USAMA BINANIAGA  
 UTUSAN MELAYU (M) BHD

## v

V-BUILD CORP. SDN BHD  
 VELOCITY ELECTRICAL ENGINEERING  
 VISION ZONE (M) SDN BHD



**W**

WALTER AIRFREIGHT AGENCY  
WAN HAI LINES (M) SDN. BHD.  
WCT ENGINEERING BERHAD.

**V**

Y.T. CHOONG & CO, PUBLIC ACCOUNTANTS  
YAMAHA ELECTRONICS  
YANG'S STEEL  
YEE LEE TRADING CO. SDN. BHD.  
YEOH OON HOR & CO  
YOKOGAWA CONTROL (M) SDN BHD.  
YS CORPORATE MANAGEMENT SDN BHD  
YUNILETRIK SDN BHD  
YUSIA JAYA SDN BHD  
Y.K. HOH FURNITURE

**Z**

ZENBES SDN BHD  
ZIMA PROPERTIES SDN BHD (TAPAK BINA SG. BESI, K.L)  
ZIMA PROPERTIES SDN. BHD  
ZNA ENGINEERING SDN. BHD.  
ZURICH INSURANCE

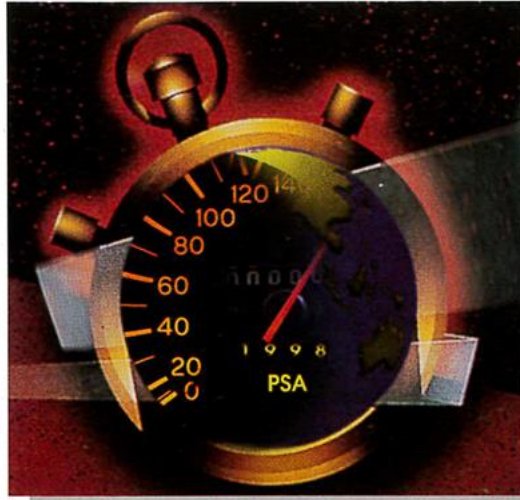
**NAMES** of  
**SPONSORSHIP**

- ~PUBLIC SERVICE DEPARTMENT
- ~MINISTRY OF EDUCATION (for Certificate Students)
- ~KEDAH SCHOLARSHIP COUNCIL
- ~SELANGOR STATE GOVERNMENT
- ~PERAK FOUNDATION
- ~LEMBAGA PEMEGANG AMANAH P.PINANG
- ~TERENGGANU FOUNDATION
- ~JOHOR FOUNDATION
- ~SELANGOR FOUNDATION
- ~NEGERI SEMBILAN FOUNDATION
- ~MELAKA FOUNDATION
- ~KUOK FOUNDATION BERHAD
- ~PERKESO
- ~KOPERASI KEBANGSAAN PERMODALAN TANAH BERHAD
- ~MCEF
- ~MAJU INSTITUTE OF EDUCATIONAL DEVELOPMENT
- ~GOLDEN HOPE PLANTATIONS
- ~SYSTEM CONSULTANCY SERVICES



# Rationale

cover



**...On Course**

**...towards...**

## **EXCELLENCE**

- The floating glass is the mirror reflecting PSA's progress and performance
- The timepiece is a constant reminder of PSA's pace through time in its journey towards excellence
- The stars are the guiding light, steering PSA towards its goals





**UNIT PENERBITAN**

**JABATAN LATIHAN DAN PENDIDIKAN LANJUTAN**

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